Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022321\
Data File : BF123283.D
Acq On : 23 Feb 2021 16:24
Operator : JU/CG
Sample : M1452-13MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

Quant Time: Feb 23 23:52:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 19 16:08:53 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.857	152	110924	20.00	ng		0.00
21) Naphthalene-d8	8.145	136	460985	20.00	ng		0.00
39) Acenaphthene-d10	9.904	164	243261	20.00	ng		0.00
64) Phenanthrene-d10	11.392	188	460080	20.00	ng		0.00
76) Chrysene-d12	14.045	240	376223	20.00	ng		0.00
86) Perylene-d12	15.515	264	312605	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.481	112	811511	105.31	ng		0.00
7) Phenol-d6	6.498	99	1065985	101.82	ng		0.00
23) Nitrobenzene-d5	7.422	82	714747	70.98	ng		0.00
42) 2,4,6-Tribromophenol	10.698	330	264348	106.72	ng		0.00
45) 2-Fluorobiphenyl	9.222	172	1100504	64.98	ng		0.00
79) Terphenyl-d14	12.980	244	1210723	61.88	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.622	88	129152	29.04	ng	#	90
3) Pyridine	3.381	79	379548	35.03	ng		95
4) n-Nitrosodimethylamine	3.328	42	197784	39.47	ng		84
6) Aniline	6.522	93	287359	23.24	ng		95
8) 2-Chlorophenol	6.645	128	380237	45.92	ng		94
9) Benzaldehyde	6.404	77	146471	24.05	ng		91
10) Phenol	6.510	94	606910	53.19	ng		96
11) bis(2-Chloroethyl)ether	6.592	93	374848	45.81	ng		96
12) 1,3-Dichlorobenzene	6.798	146	384228	44.62	ng	#	93
13) 1,4-Dichlorobenzene	6.875	146	393676	44.85	ng		95
14) 1,2-Dichlorobenzene	7.028	146	378252	46.33	ng		95
15) Benzyl Alcohol	7.004	79	376068	46.07	ng		93
16) 2,2'-oxybis(1-Chloropr...	7.134	45	498435	44.40	ng		98
17) 2-Methylphenol	7.116	107	318357	45.72	ng		94
18) Hexachloroethane	7.369	117	152274	48.03	ng		91
19) n-Nitroso-di-n-propyla...	7.275	70	290465	46.63	ng		95
20) 3+4-Methylphenols	7.269	107	401457	43.90	ng	#	85
22) Acetophenone	7.269	105	538505	45.03	ng	#	91
24) Nitrobenzene	7.439	77	451364	42.51	ng		89
25) Isophorone	7.681	82	791329	42.02	ng		95
26) 2-Nitrophenol	7.757	139	203697	45.80	ng	#	87
27) 2,4-Dimethylphenol	7.798	122	318090	46.20	ng		93
28) bis(2-Chloroethoxy)met...	7.892	93	475498	48.25	ng		100
29) 2,4-Dichlorophenol	8.004	162	312411	43.95	ng		96
30) 1,2,4-Trichlorobenzene	8.086	180	338492	43.79	ng		100
31) Naphthalene	8.163	128	1073185	42.48	ng		99
32) Benzoic acid	7.934	122	238209	46.90	ng	#	84
33) 4-Chloroaniline	8.210	127	87087	8.47	ng	#	91
34) Hexachlorobutadiene	8.281	225	184488	42.32	ng		99
35) Caprolactam	8.586	113	110134m	46.17	ng		
36) 4-Chloro-3-methylphenol	8.704	107	387042	45.80	ng		90
37) 2-Methylnaphthalene	8.857	142	732440	43.52	ng		99
38) 1-Methylnaphthalene	8.957	142	685952	43.58	ng		98
40) 1,2,4,5-Tetrachloroben...	9.028	216	320282	44.06	ng	#	97
41) Hexachlorocyclopentadiene	9.016	237	327201	96.08	ng		98
43) 2,4,6-Trichlorophenol	9.139	196	222216	43.10	ng		92

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022321\
Data File : BF123283.D
Acq On : 23 Feb 2021 16:24
Operator : JU/CG
Sample : M1452-13MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

Quant Time: Feb 23 23:52:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 19 16:08:53 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	240464	43.59	ng	#	92
46) 1,1'-Biphenyl	9.322	154	889792	44.09	ng		100
47) 2-Chloronaphthalene	9.351	162	680420	42.73	ng		100
48) 2-Nitroaniline	9.445	65	259898	45.56	ng	#	79
49) Acenaphthylene	9.763	152	1053136	43.61	ng		100
50) Dimethylphthalate	9.628	163	854655	46.98	ng		100
51) 2,6-Dinitrotoluene	9.686	165	186185	44.41	ng	#	76
52) Acenaphthene	9.939	154	788914m	47.37	ng		
53) 3-Nitroaniline	9.857	138	95136	20.45	ng		90
54) 2,4-Dinitrophenol	9.963	184	187015	84.92	ng	#	77
55) Dibenzofuran	10.110	168	950755	42.17	ng		95
56) 4-Nitrophenol	10.028	139	322983	87.10	ng	#	63
57) 2,4-Dinitrotoluene	10.092	165	253439	44.95	ng	#	87
58) Fluorene	10.457	166	769751	43.38	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.228	232	200341	45.52	ng	#	86
60) Diethylphthalate	10.328	149	811792	45.07	ng		99
61) 4-Chlorophenyl-phenyle...	10.445	204	371471	43.98	ng		98
62) 4-Nitroaniline	10.475	138	192314	41.06	ng		86
63) Azobenzene	10.604	77	871915	42.01	ng		95
65) 4,6-Dinitro-2-methylph...	10.504	198	136775	44.16	ng		93
66) n-Nitrosodiphenylamine	10.563	169	669838	42.10	ng		99
67) 4-Bromophenyl-phenylether	10.933	248	221230	44.11	ng	#	87
68) Hexachlorobenzene	11.004	284	235870	44.64	ng		93
69) Atrazine	11.092	200	197902	39.36	ng		98
70) Pentachlorophenol	11.198	266	286726	85.94	ng		99
71) Phenanthrene	11.422	178	1182129	43.45	ng		99
72) Anthracene	11.469	178	1214257	44.73	ng		100
73) Carbazole	11.627	167	1067596	41.76	ng		99
74) Di-n-butylphthalate	11.957	149	1282296	44.86	ng		99
75) Fluoranthene	12.610	202	1293074	44.84	ng		99
77) Benzidine	12.727	184	355788	29.28	ng		99
78) Pyrene	12.839	202	1308493	44.55	ng		99
80) Butylbenzylphthalate	13.457	149	561966	45.26	ng		88
81) Benzo(a)anthracene	14.033	228	1114224	43.58	ng		98
82) 3,3'-Dichlorobenzidine	13.992	252	224635	26.43	ng	#	97
83) Chrysene	14.074	228	1079284	42.98	ng		100
84) Bis(2-ethylhexyl)phtha...	14.021	149	768629	44.97	ng		99
85) Di-n-octyl phthalate	14.639	149	1288563	44.12	ng		97
87) Indeno(1,2,3-cd)pyrene	17.004	276	900853	41.70	ng		98
88) Benzo(b)fluoranthene	15.092	252	1045575	47.62	ng		98
89) Benzo(k)fluoranthene	15.121	252	960987	48.28	ng		99
90) Benzo(a)pyrene	15.457	252	879381	44.92	ng		99
91) Dibenzo(a,h)anthracene	17.021	278	748433	40.38	ng		98
92) Benzo(g,h,i)perylene	17.451	276	717520	42.03	ng		98

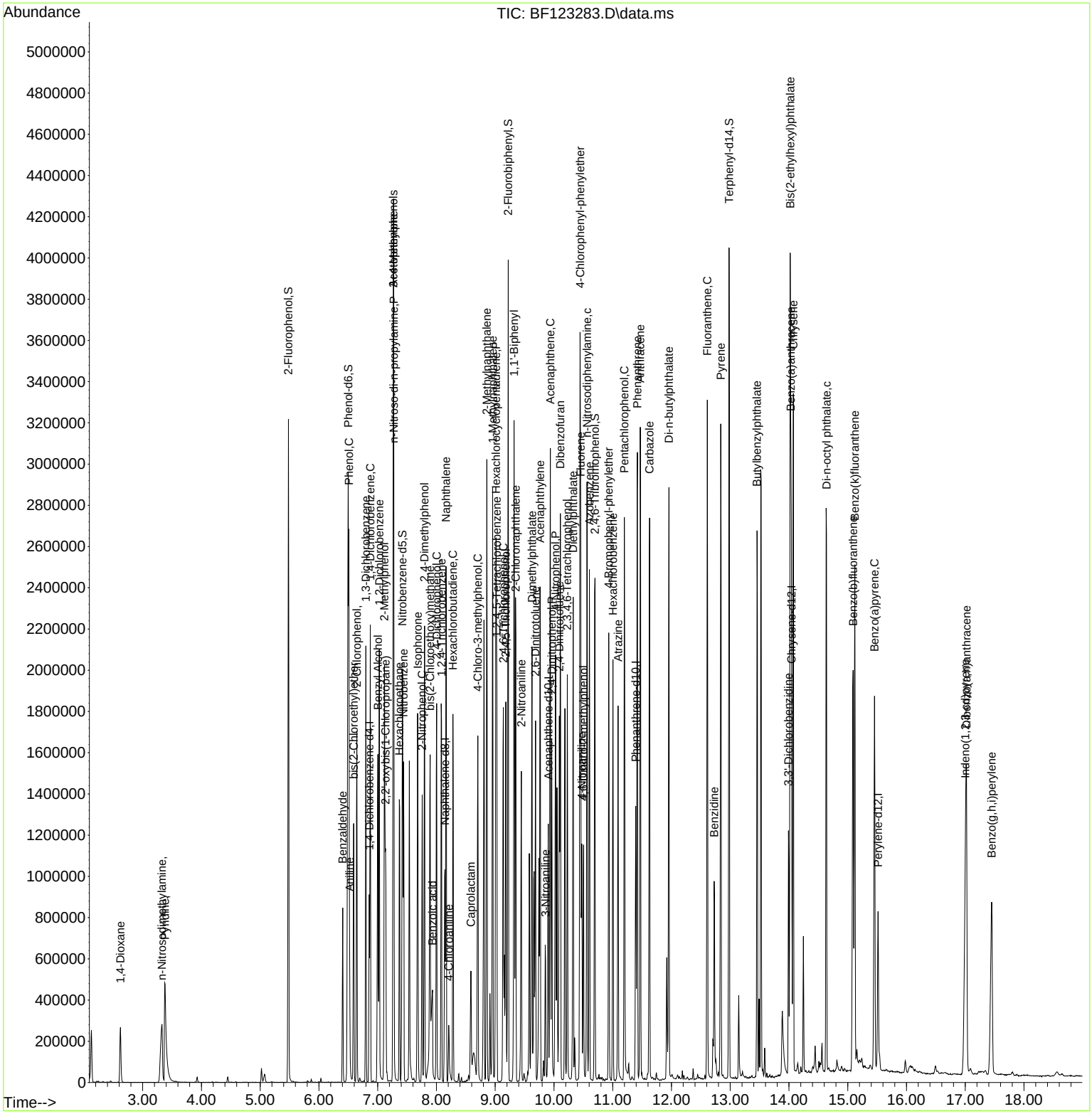
(#) = qualifier out of range (m) = manual integration (+) = signals summed

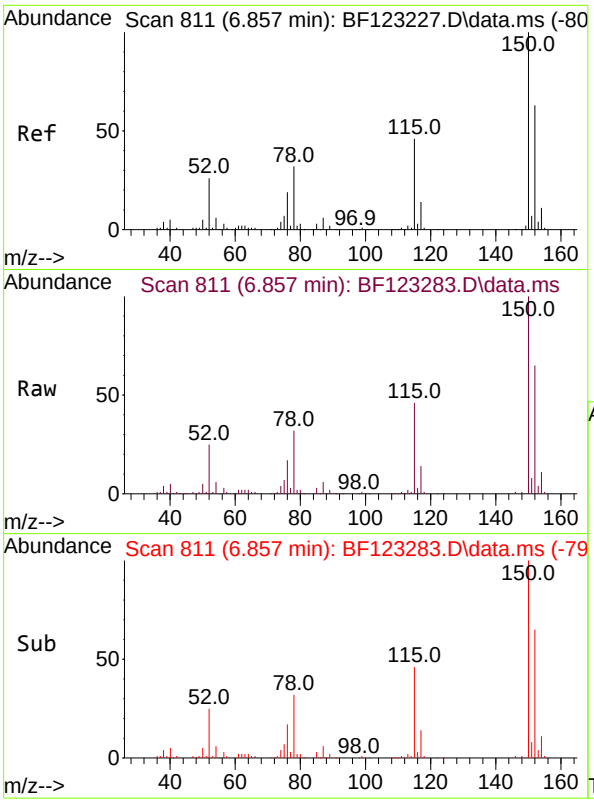
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022321\
Data File : BF123283.D
Acq On : 23 Feb 2021 16:24
Operator : JU/CG
Sample : M1452-13MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 23 23:52:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 19 16:08:53 2021
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

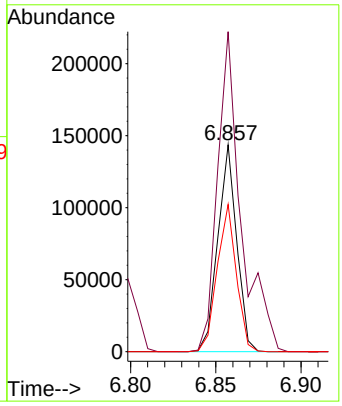


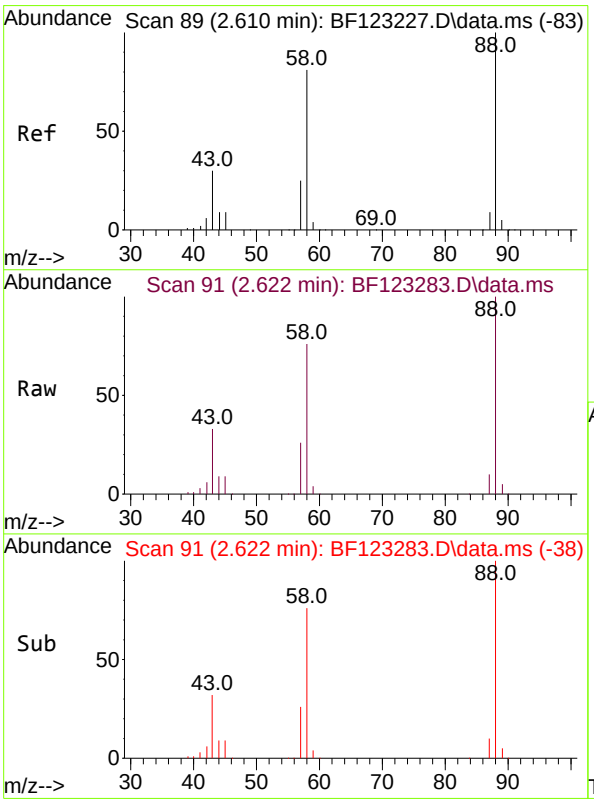


#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:152 Resp: 110924

Ion	Ratio	Lower	Upper
152	100		
150	154.7	125.8	188.6
115	71.1	49.3	73.9

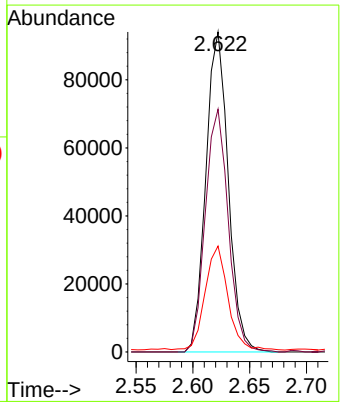




#2
1,4-Dioxane
Concen: 29.04 ng
RT: 2.622 min Scan# 91
Delta R.T. 0.012 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

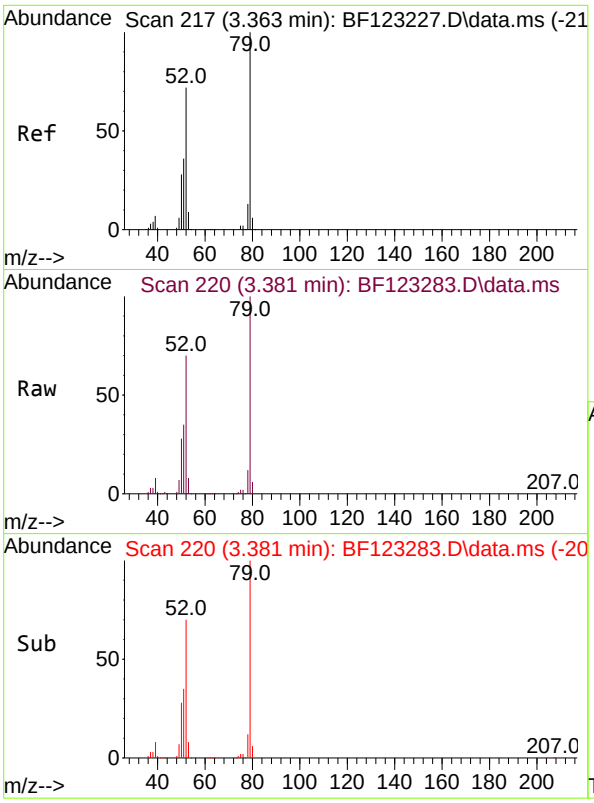
Tgt Ion: 88 Resp: 129152

Ion	Ratio	Lower	Upper
88	100		
58	77.7	56.2	84.2
43	33.1	21.8	32.6#



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

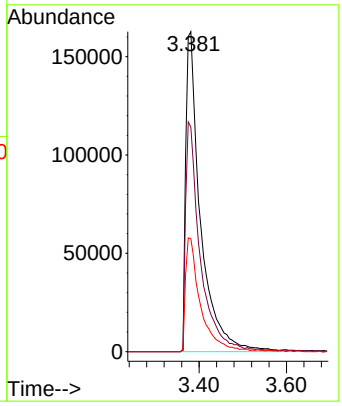
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM



#3
Pyridine
Concen: 35.03 ng
RT: 3.381 min Scan# 220
Delta R.T. 0.018 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

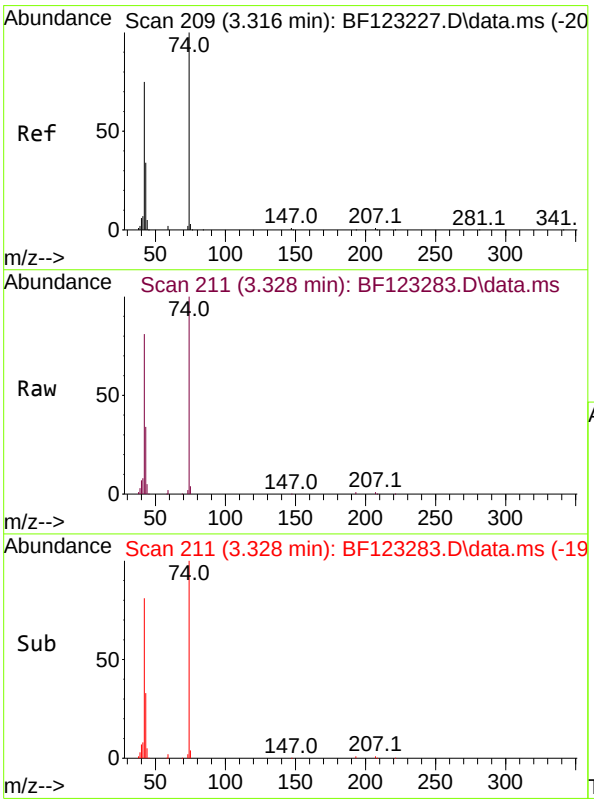
Tgt Ion: 79 Resp: 379548

Ion	Ratio	Lower	Upper
79	100		
52	70.2	53.0	79.4
51	35.3	26.6	39.8



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

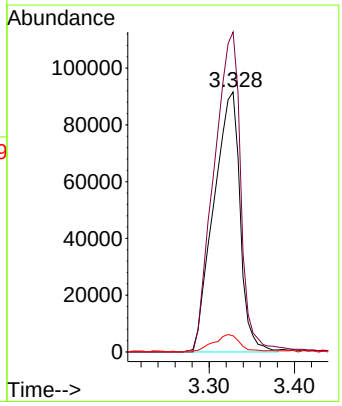
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

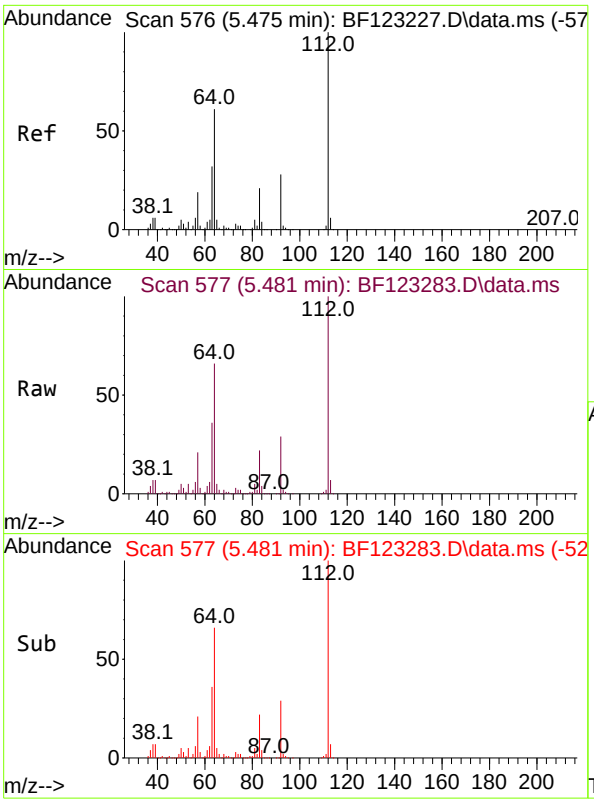


#4
n-Nitrosodimethylamine
Concen: 39.47 ng
RT: 3.328 min Scan# 211
Delta R.T. 0.012 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion: 42 Resp: 197784

Ion	Ratio	Lower	Upper
42	100		
74	123.1	115.2	172.8
44	6.2	5.4	8.0

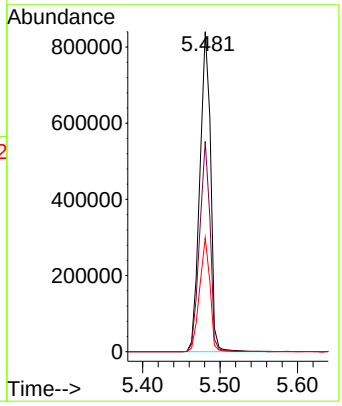




#5
2-Fluorophenol
Concen: 105.31 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

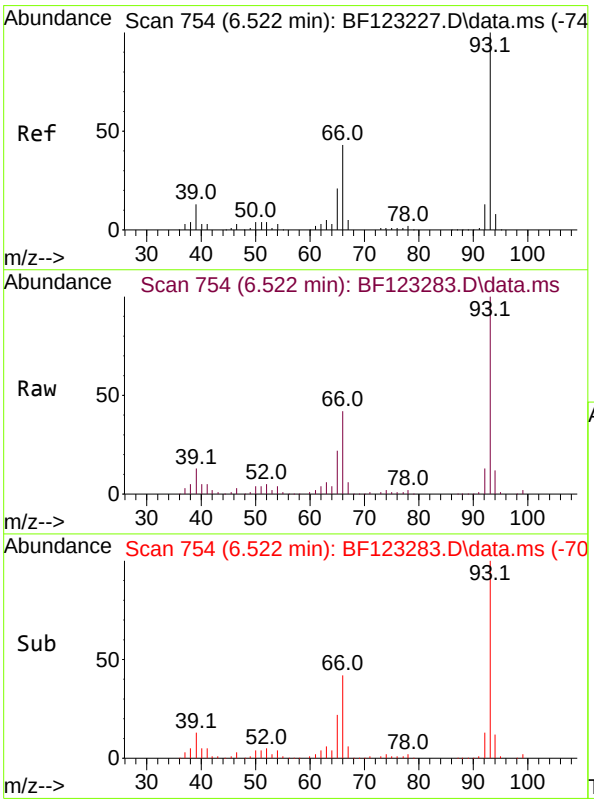
Tgt Ion:112 Resp: 811511

Ion	Ratio	Lower	Upper
112	100		
64	65.7	46.9	70.3
63	35.5	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

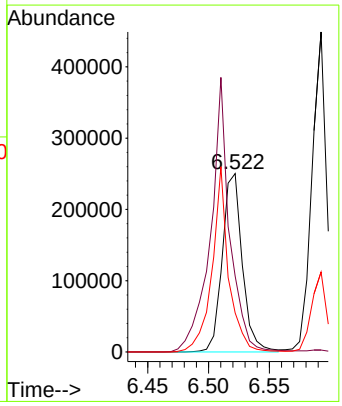
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

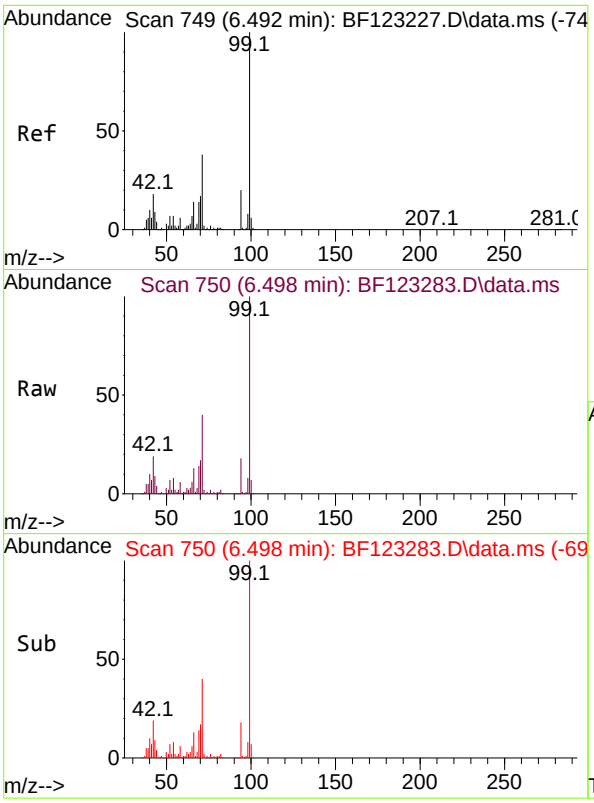


#6
Aniline
Concen: 23.24 ng
RT: 6.522 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion: 93 Resp: 287359

Ion	Ratio	Lower	Upper
93	100		
66	42.5	31.3	46.9
65	21.9	15.6	23.4

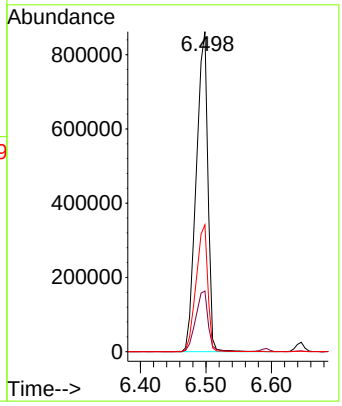




#7
Phenol-d6
Concen: 101.82 ng
RT: 6.498 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

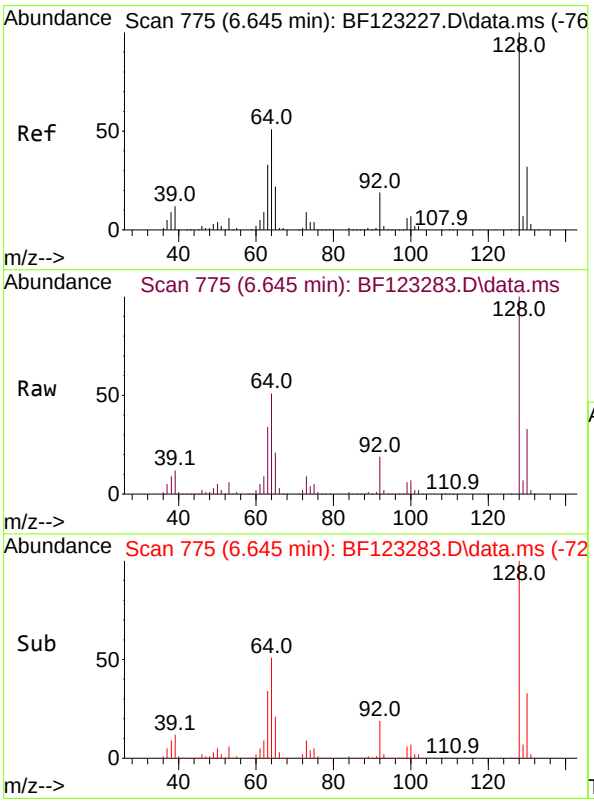
Tgt Ion: 99 Resp: 1065985

Ion	Ratio	Lower	Upper
99	100		
42	19.0	13.8	20.6
71	39.7	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

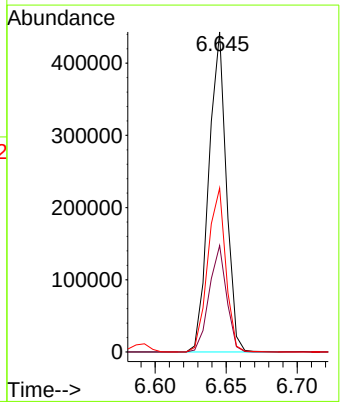
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

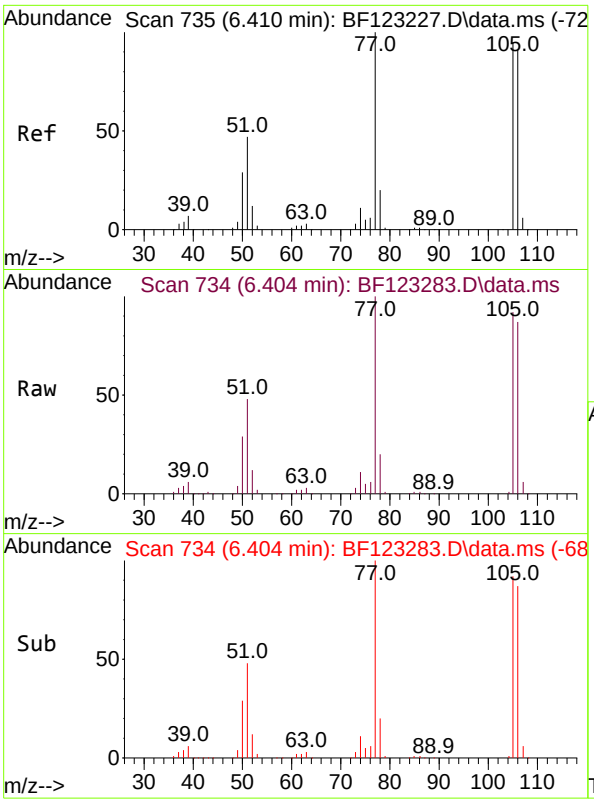


#8
2-Chlorophenol
Concen: 45.92 ng
RT: 6.645 min Scan# 775
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:128 Resp: 380237

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.3	52.3
64	51.2	25.5	65.5

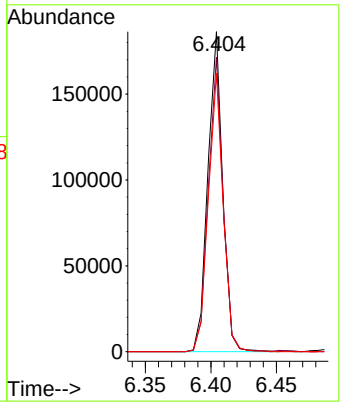




#9
Benzaldehyde
Concen: 24.05 ng
RT: 6.404 min Scan# 734
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

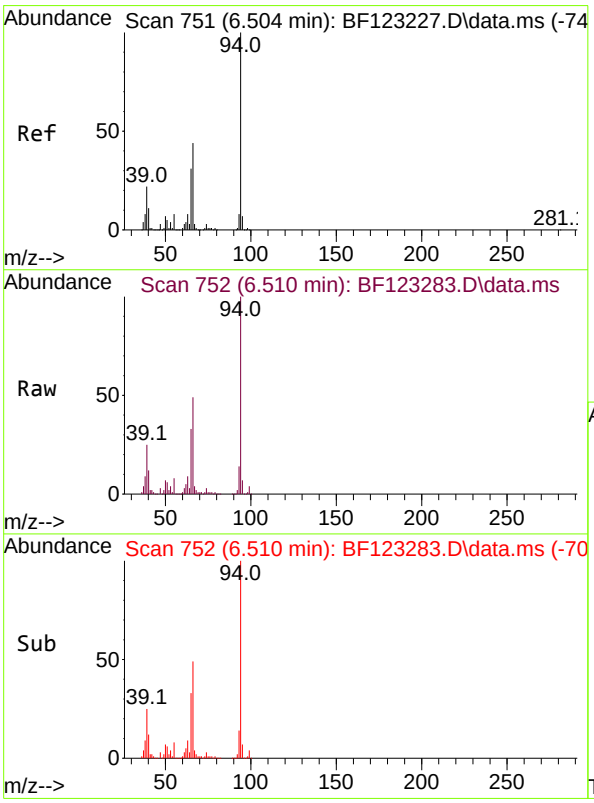
Tgt Ion: 77 Resp: 146471

Ion	Ratio	Lower	Upper
77	100		
105	92.0	80.6	120.6
106	87.1	77.2	117.2



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

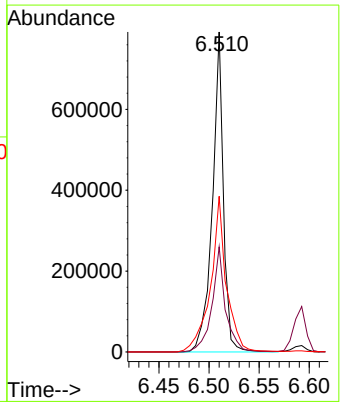
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM



#10
Phenol
Concen: 53.19 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

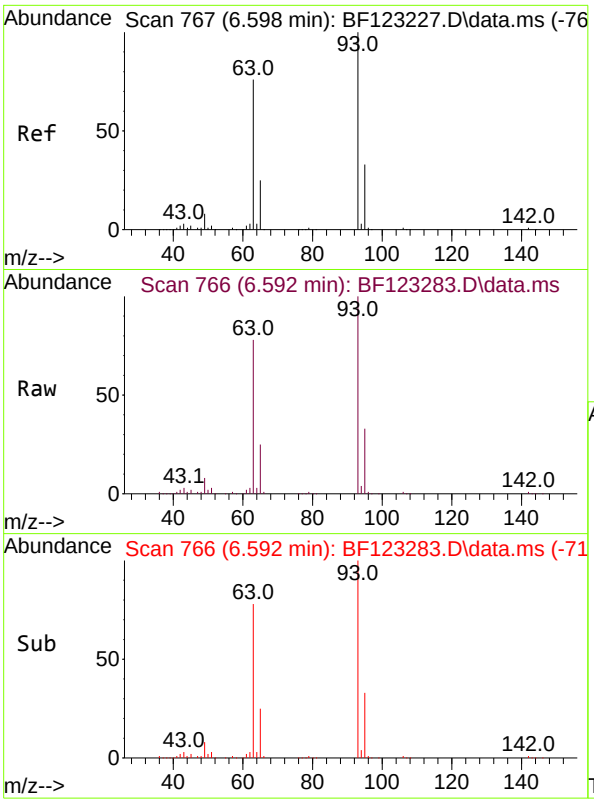
Tgt Ion: 94 Resp: 606910

Ion	Ratio	Lower	Upper
94	100		
65	32.8	11.2	51.2
66	48.7	25.8	65.8



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

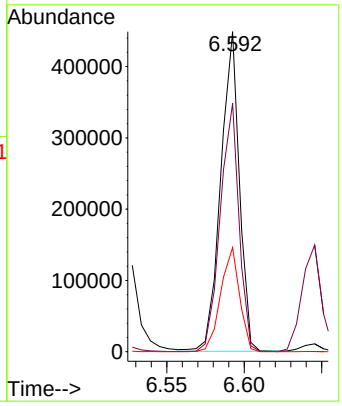
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

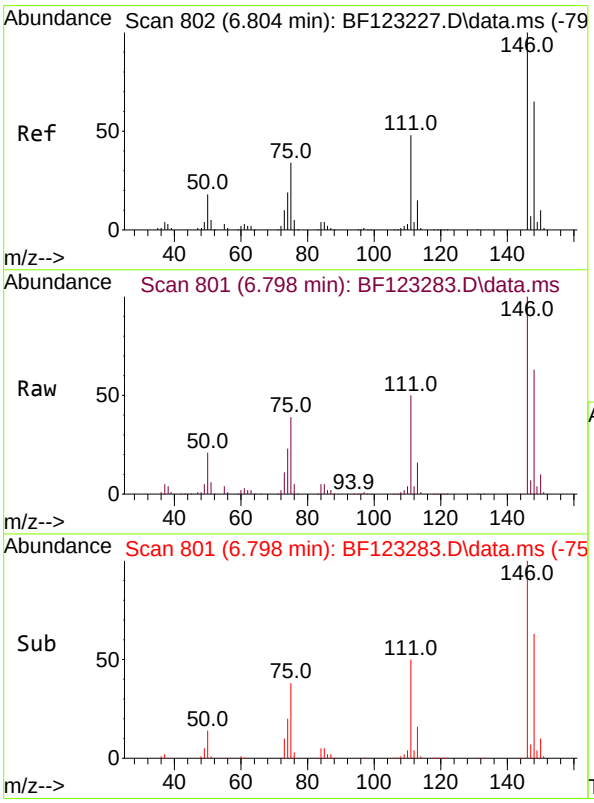


#11
bis(2-Chloroethyl)ether
Concen: 45.81 ng
RT: 6.592 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion: 93 Resp: 374848

Ion	Ratio	Lower	Upper
93	100		
63	77.6	52.6	92.6
95	32.6	12.6	52.6

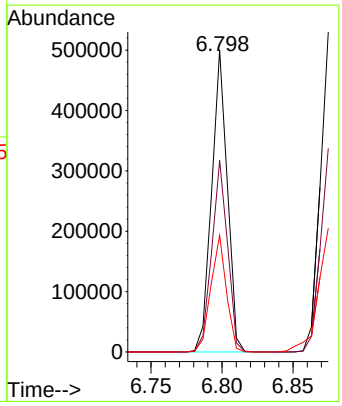


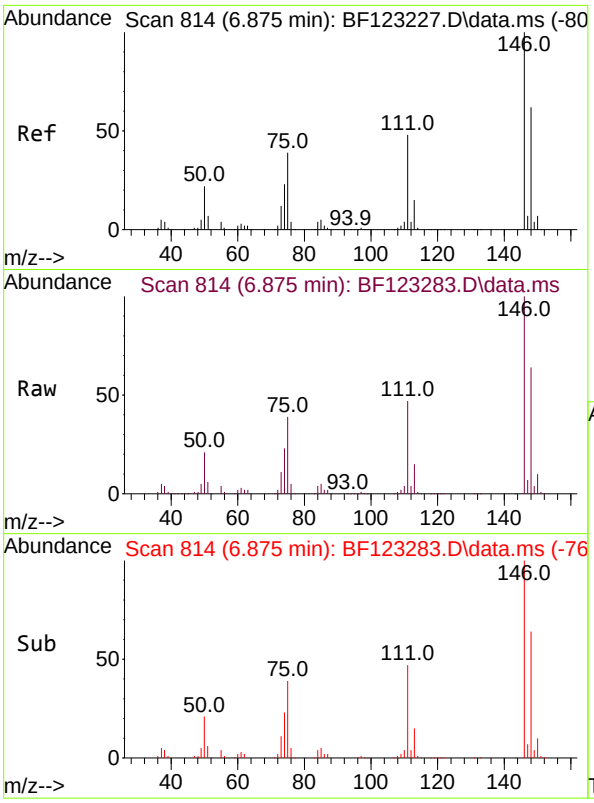


#12
1,3-Dichlorobenzene
Concen: 44.62 ng
RT: 6.798 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:146 Resp: 384228

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.8	77.8
75	38.6	22.5	33.7#

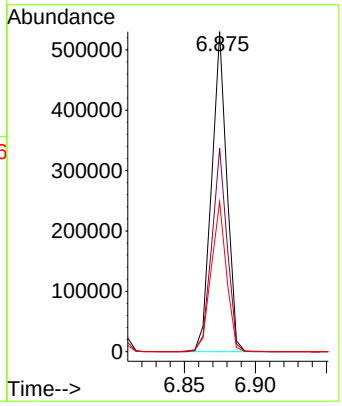


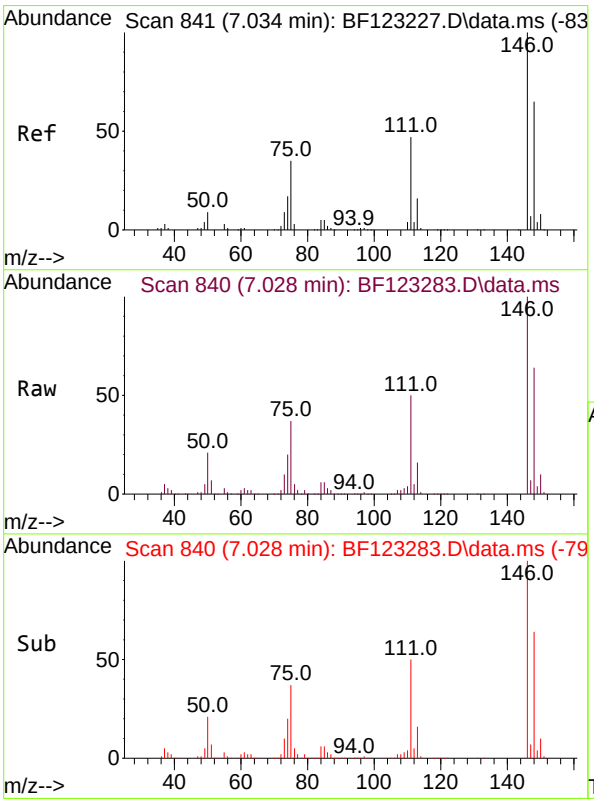


#13
1,4-Dichlorobenzene
Concen: 44.85 ng
RT: 6.875 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:146 Resp: 393676

Ion	Ratio	Lower	Upper
146	100		
148	63.7	52.0	78.0
111	46.9	32.3	48.5

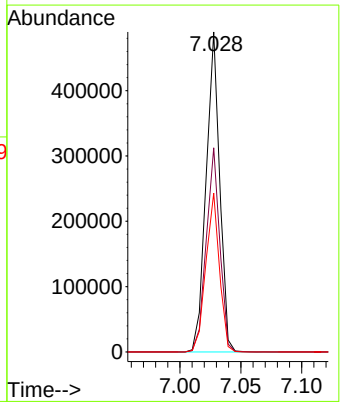




#14
1,2-Dichlorobenzene
Concen: 46.33 ng
RT: 7.028 min Scan# 840
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

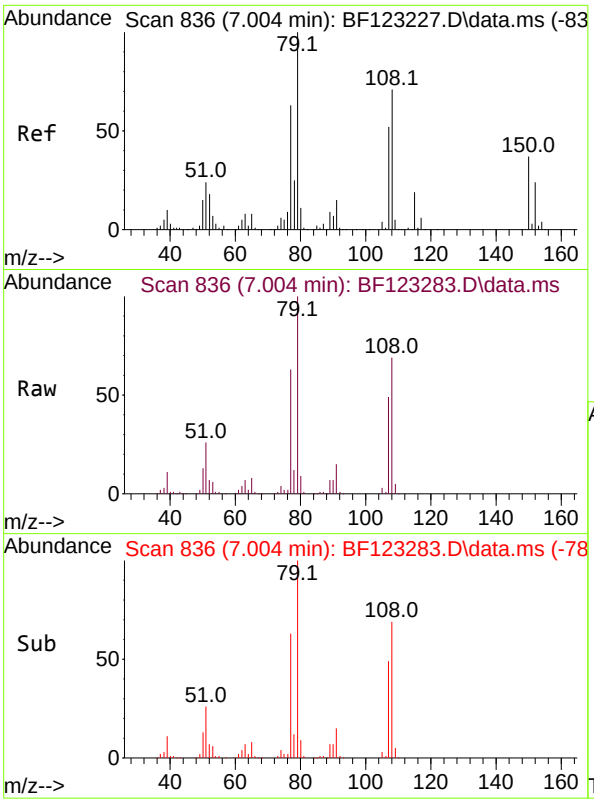
Tgt Ion:146 Resp: 378252

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.5	77.3
111	49.7	34.2	51.2



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

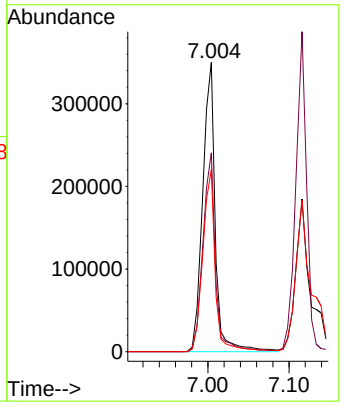
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM



#15
Benzyl Alcohol
Concen: 46.07 ng
RT: 7.004 min Scan# 836
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

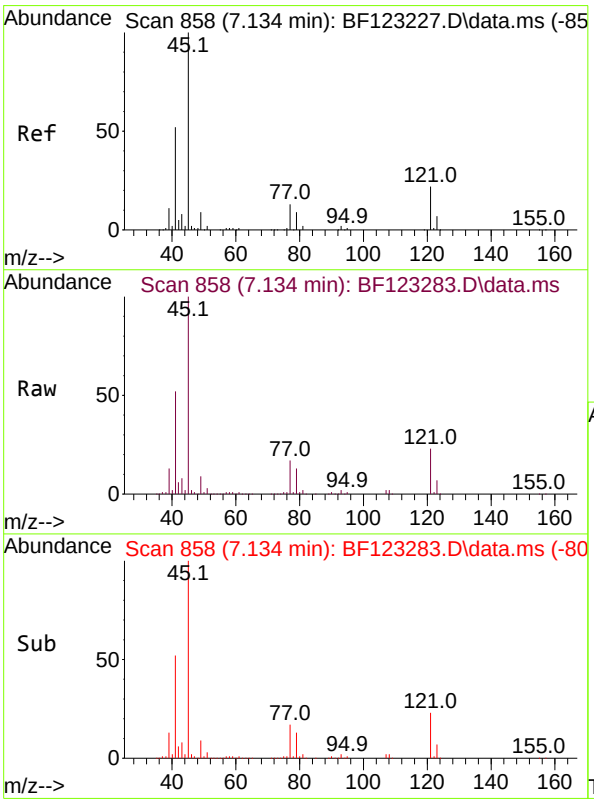
Tgt Ion: 79 Resp: 376068

Ion	Ratio	Lower	Upper
79	100		
108	68.8	62.4	93.6
77	62.8	49.0	73.6



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

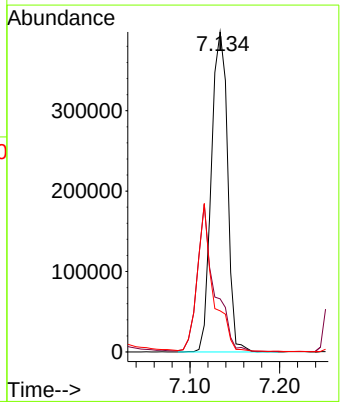
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.40 ng
RT: 7.134 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

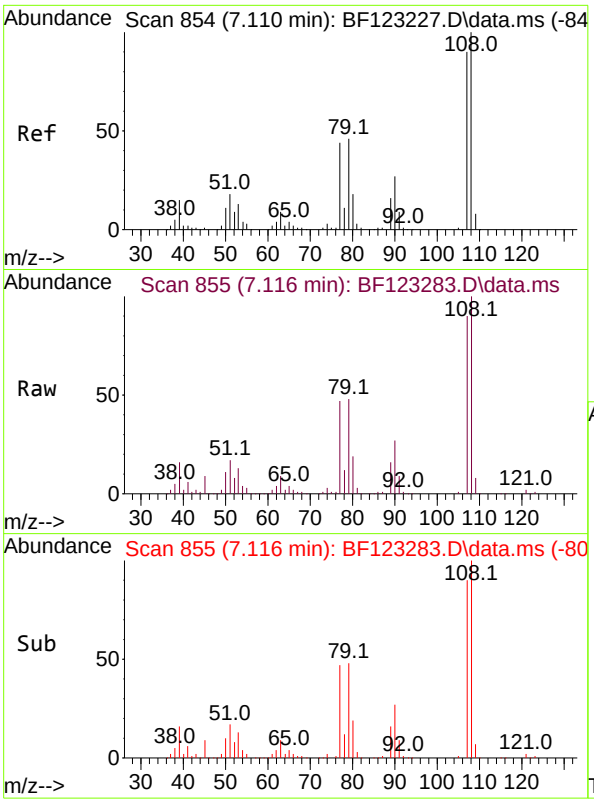
Tgt Ion: 45 Resp: 498435

Ion	Ratio	Lower	Upper
45	100		
77	16.6	0.0	35.6
79	12.8	0.0	32.4



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

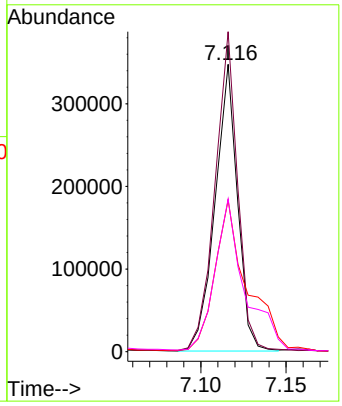
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

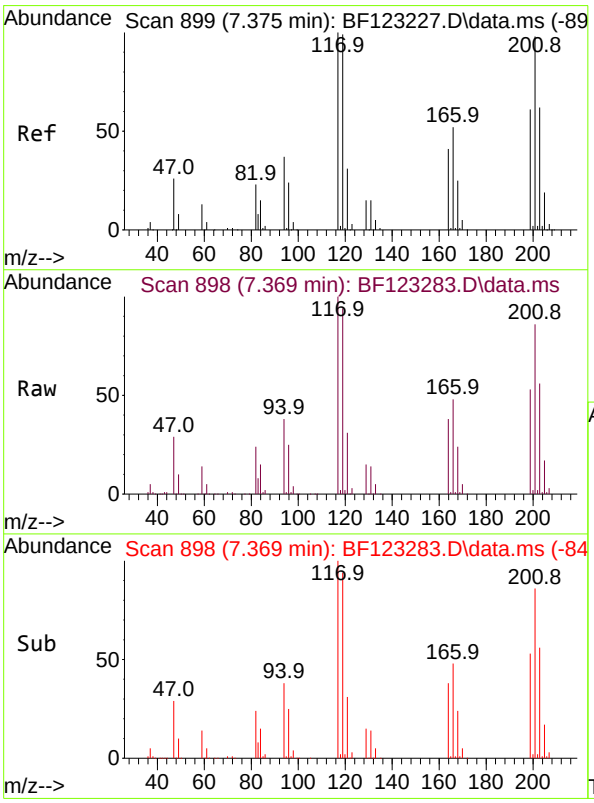


#17
2-Methylphenol
Concen: 45.72 ng
RT: 7.116 min Scan# 855
Delta R.T. 0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:107 Resp: 318357

Ion	Ratio	Lower	Upper
107	100		
108	111.4	91.1	136.7
77	52.8	36.3	54.5
79	53.1	36.8	55.2

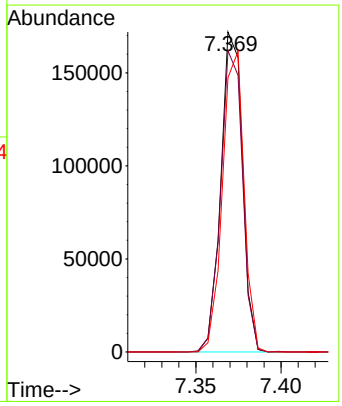


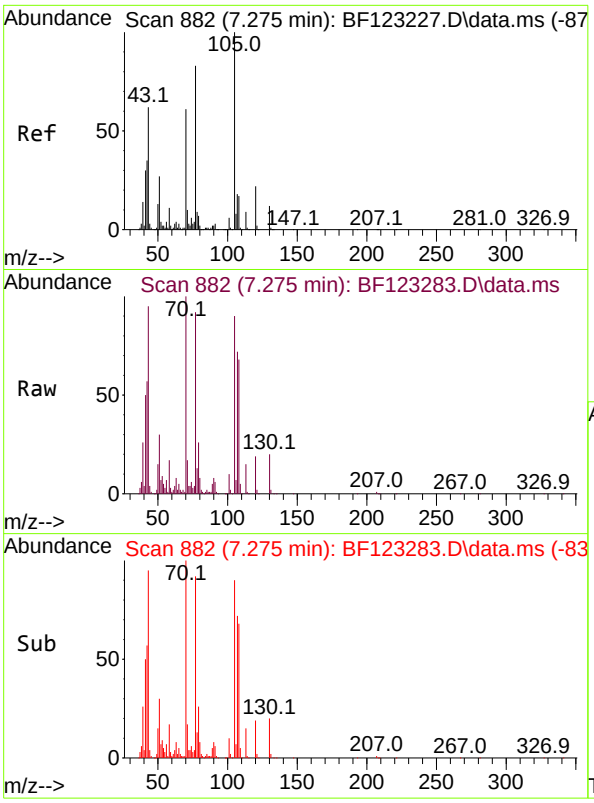


#18
Hexachloroethane
Concen: 48.03 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:117 Resp: 152274

Ion	Ratio	Lower	Upper
117	100		
119	94.2	78.4	117.6
201	85.7	79.6	119.4

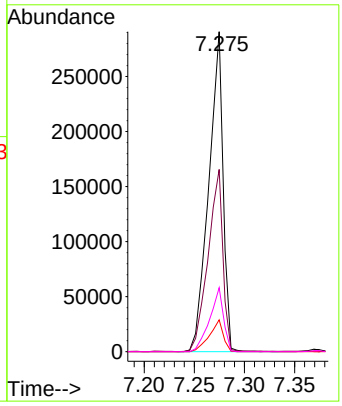




#19
n-Nitroso-di-n-propylamine
Concen: 46.63 ng
RT: 7.275 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

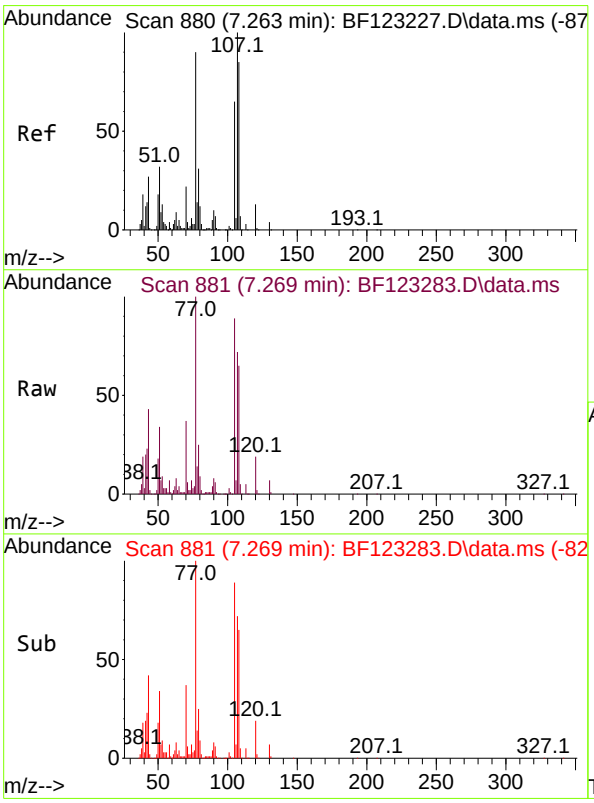
Tgt Ion: 70 Resp: 290465

Ion	Ratio	Lower	Upper
70	100		
42	56.9	43.0	64.4
101	10.0	7.9	11.9
130	20.0	18.5	27.7



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

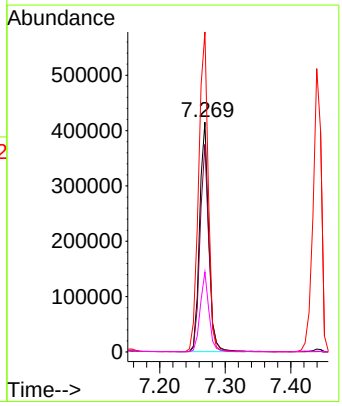
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

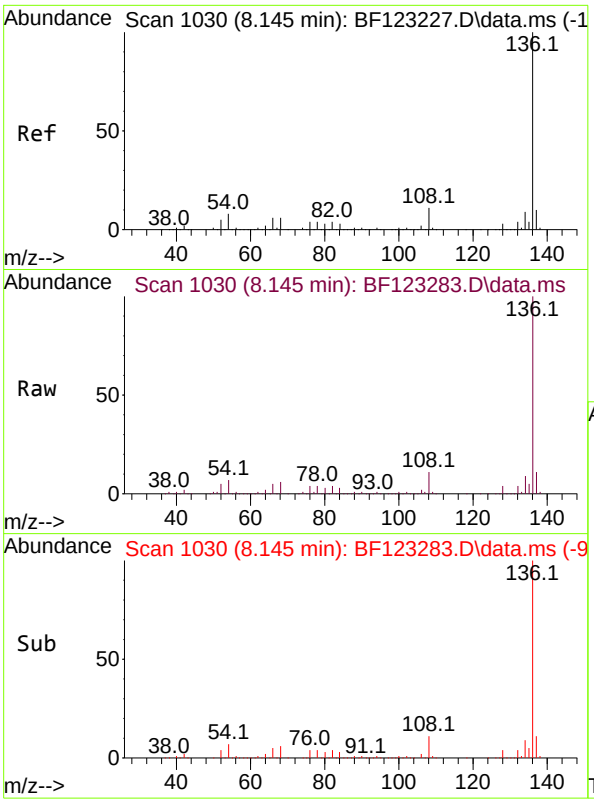


#20
3+4-Methylphenols
Concen: 43.90 ng
RT: 7.269 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:107 Resp: 401457

Ion	Ratio	Lower	Upper
107	100		
108	90.3	68.7	108.7
77	139.3	89.8	129.8#
79	34.8	9.8	49.8

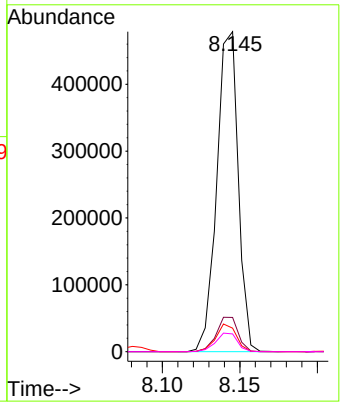


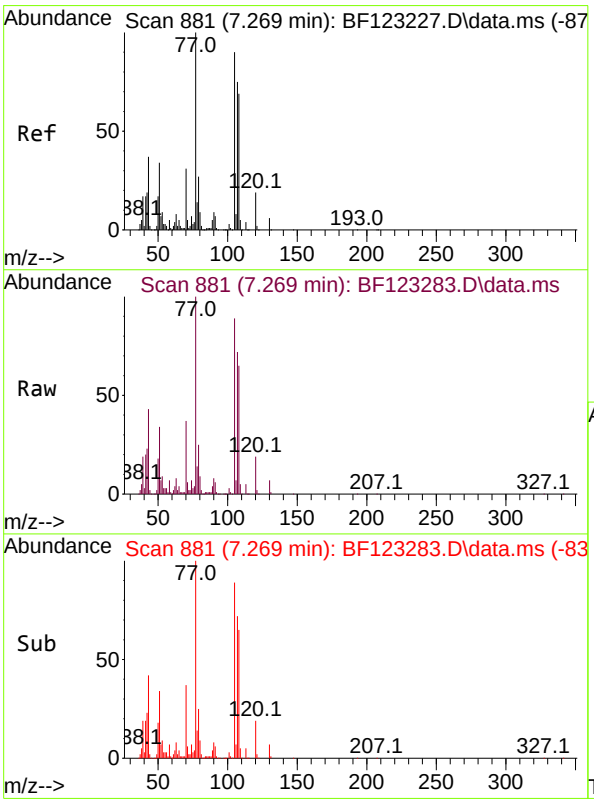


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:136 Resp: 460985

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.3	5.5	8.3
68	5.5	4.6	6.8

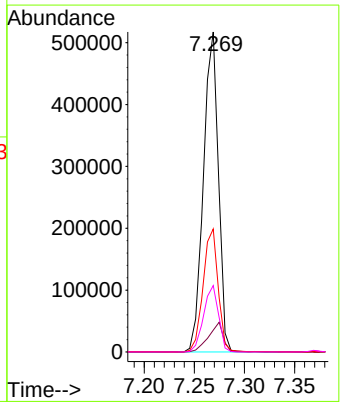




#22
Acetophenone
Concen: 45.03 ng
RT: 7.269 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

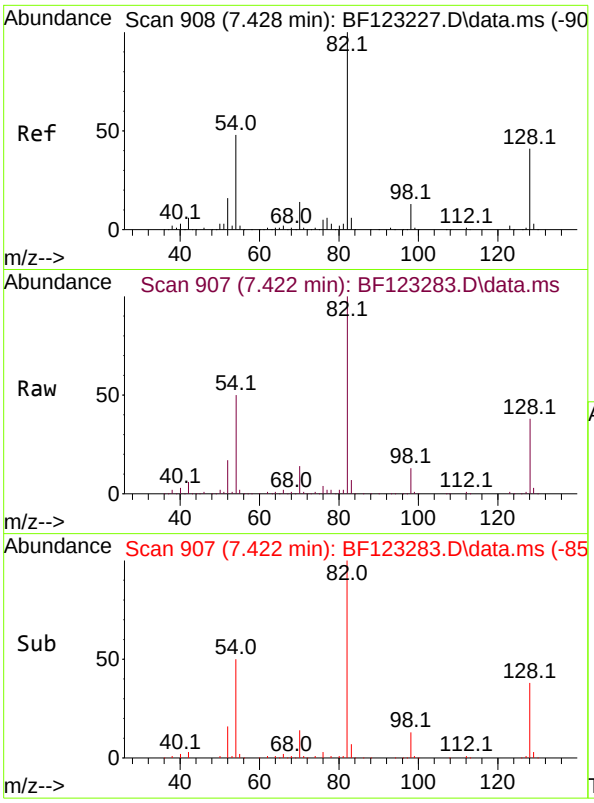
Tgt Ion:105 Resp: 538505

Ion	Ratio	Lower	Upper
105	100		
71	6.8	6.5	9.7
51	38.5	24.3	36.5#
120	20.7	18.1	27.1



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

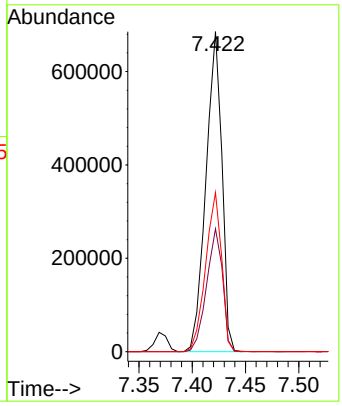
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

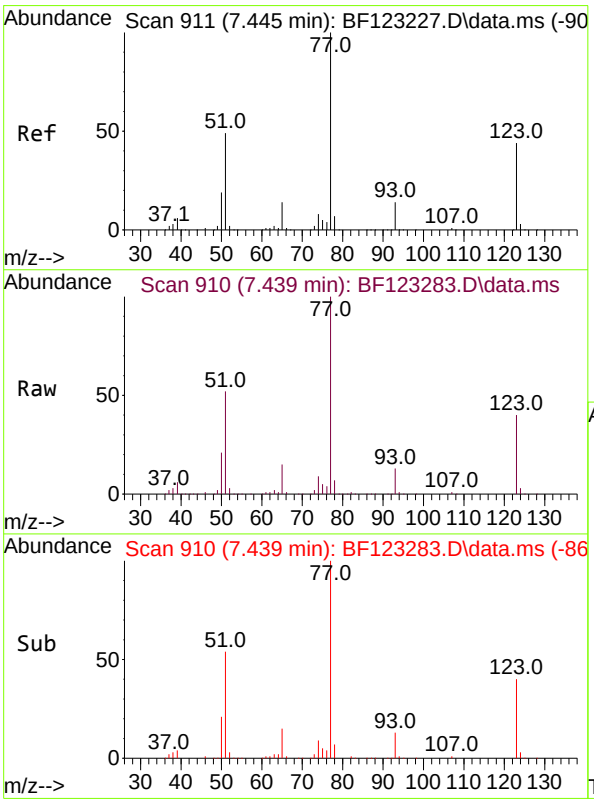


#23
Nitrobenzene-d5
Concen: 70.98 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion: 82 Resp: 714747

Ion	Ratio	Lower	Upper
82	100		
128	38.4	37.0	55.4
54	49.7	38.4	57.6

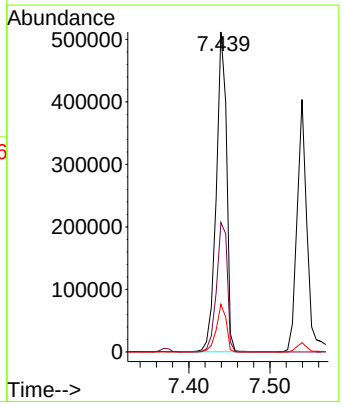




#24
Nitrobenzene
Concen: 42.51 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

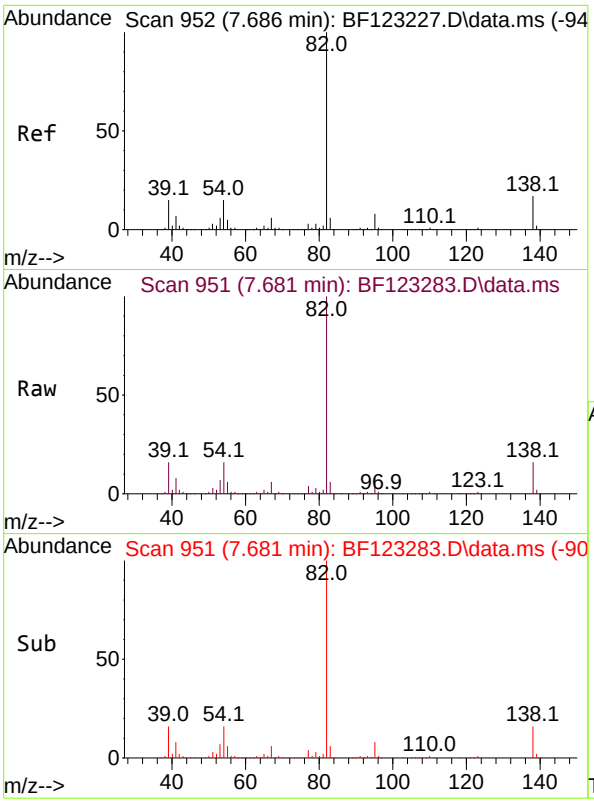
Tgt Ion: 77 Resp: 451364

Ion	Ratio	Lower	Upper
77	100		
123	40.5	39.3	58.9
65	14.9	10.6	15.8



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

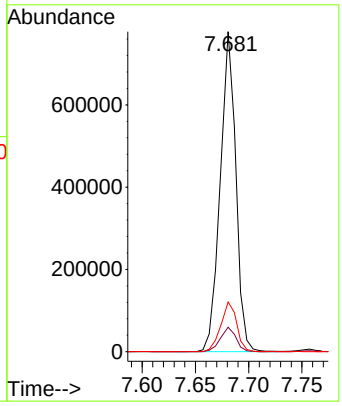
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM



#25
Isophorone
Concen: 42.02 ng
RT: 7.681 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

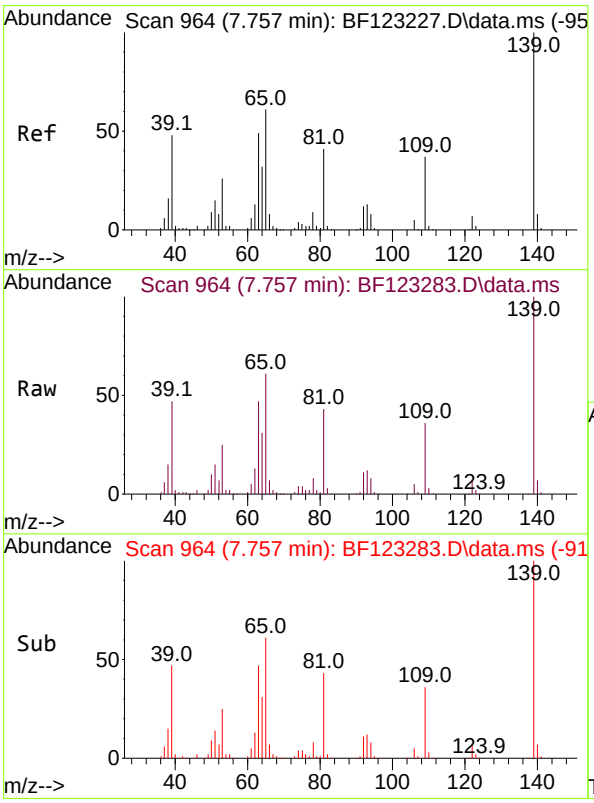
Tgt Ion: 82 Resp: 791329

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.8	8.6
138	15.5	14.6	21.8



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

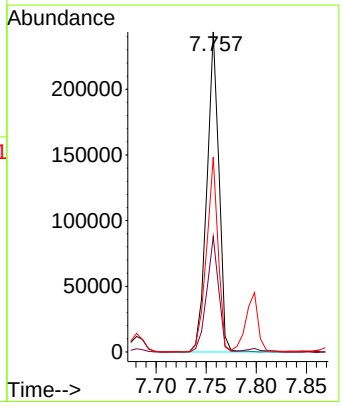
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

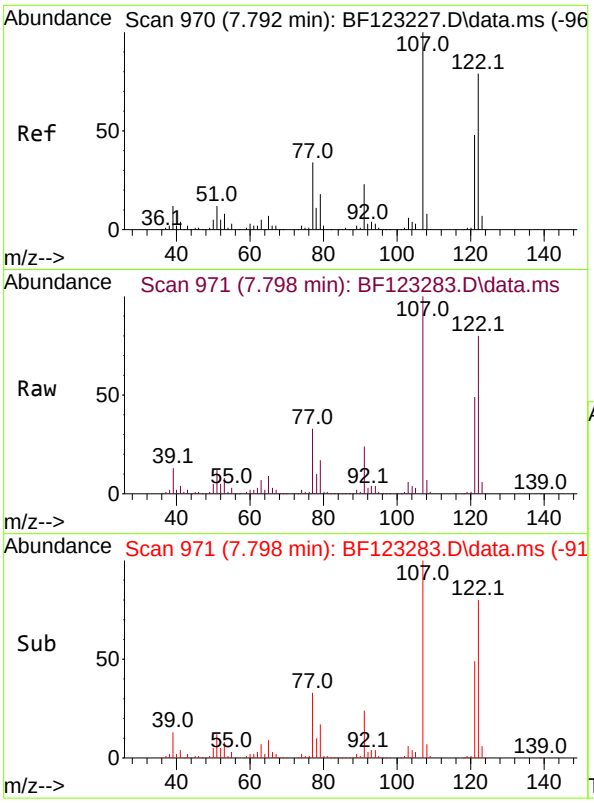


#26
2-Nitrophenol
Concen: 45.80 ng
RT: 7.757 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:139 Resp: 203697

Ion	Ratio	Lower	Upper
139	100		
109	36.1	24.0	36.0#
65	60.9	40.9	61.3

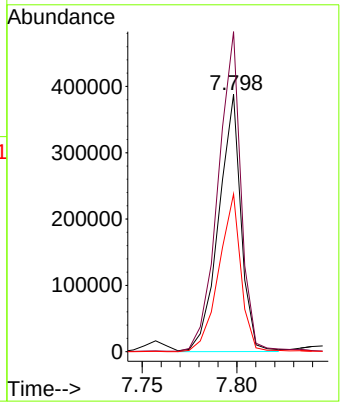


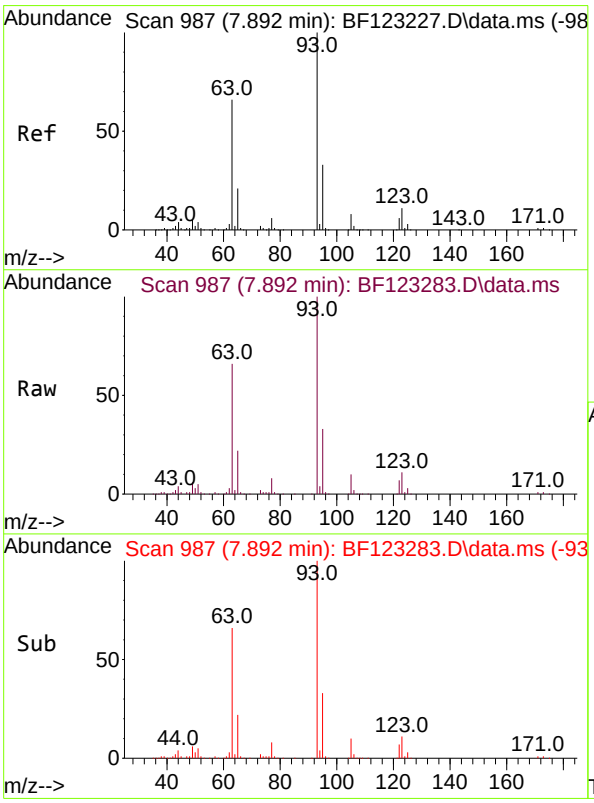


#27
2,4-Dimethylphenol
Concen: 46.20 ng
RT: 7.798 min Scan# 971
Delta R.T. 0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:122 Resp: 318090

Ion	Ratio	Lower	Upper
122	100		
107	124.4	91.8	137.8
121	61.2	47.3	70.9

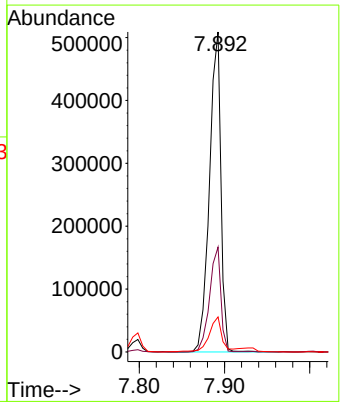




#28
bis(2-Chloroethoxy)methane
Concen: 48.25 ng
RT: 7.892 min Scan# 987
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

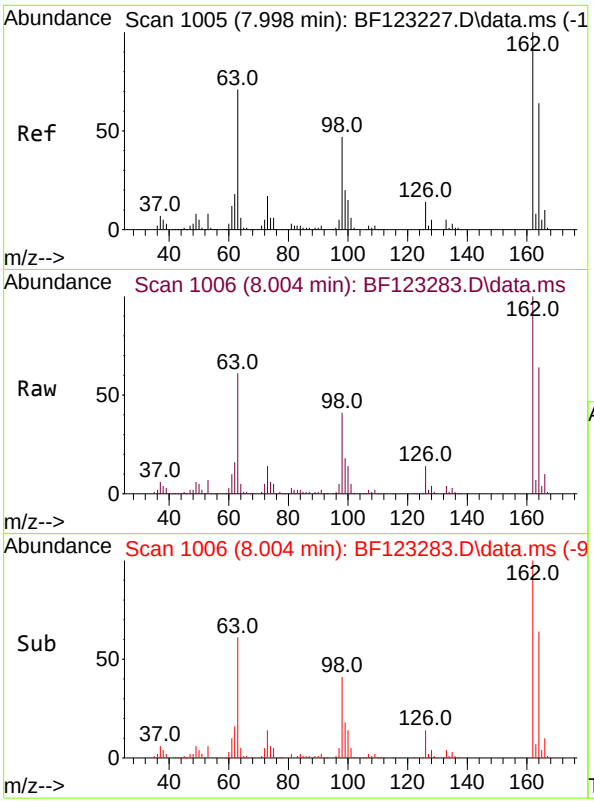
Tgt Ion: 93 Resp: 475498

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.2
123	11.0	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

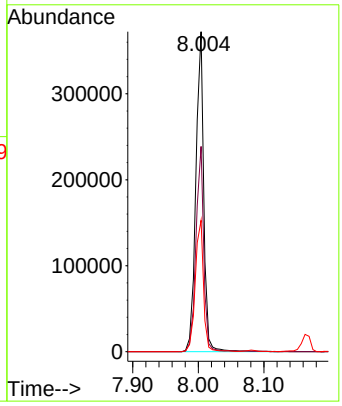
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

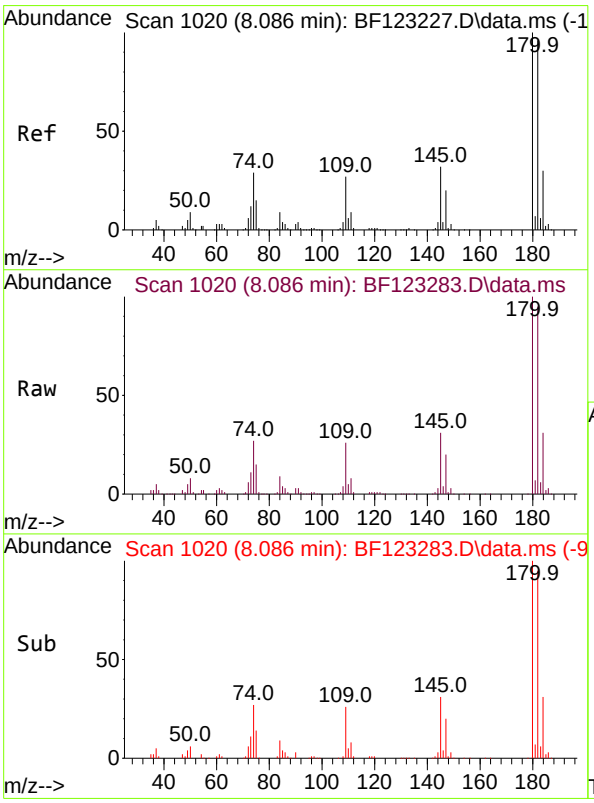


#29
2,4-Dichlorophenol
Concen: 43.95 ng
RT: 8.004 min Scan# 1006
Delta R.T. 0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:162 Resp: 312411

Ion	Ratio	Lower	Upper
162	100		
164	64.1	43.2	83.2
98	41.0	15.2	55.2

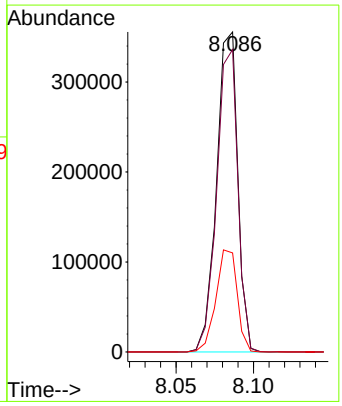




#30
1,2,4-Trichlorobenzene
Concen: 43.79 ng
RT: 8.086 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

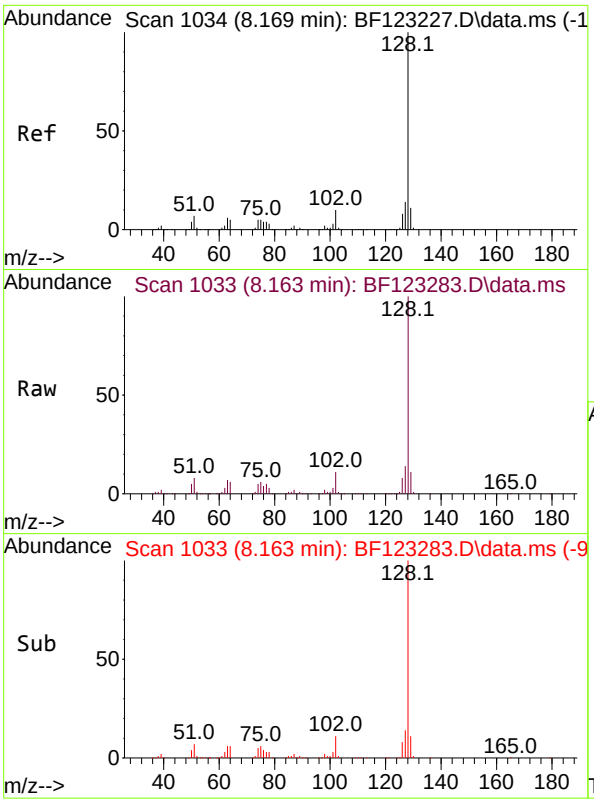
Tgt Ion:180 Resp: 338492

Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.7	113.5
145	31.0	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

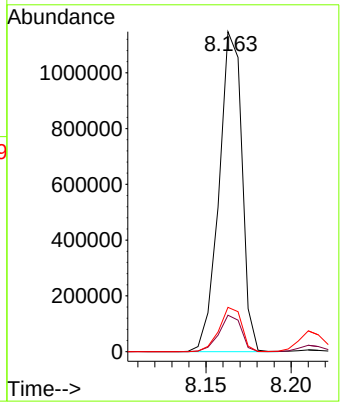
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

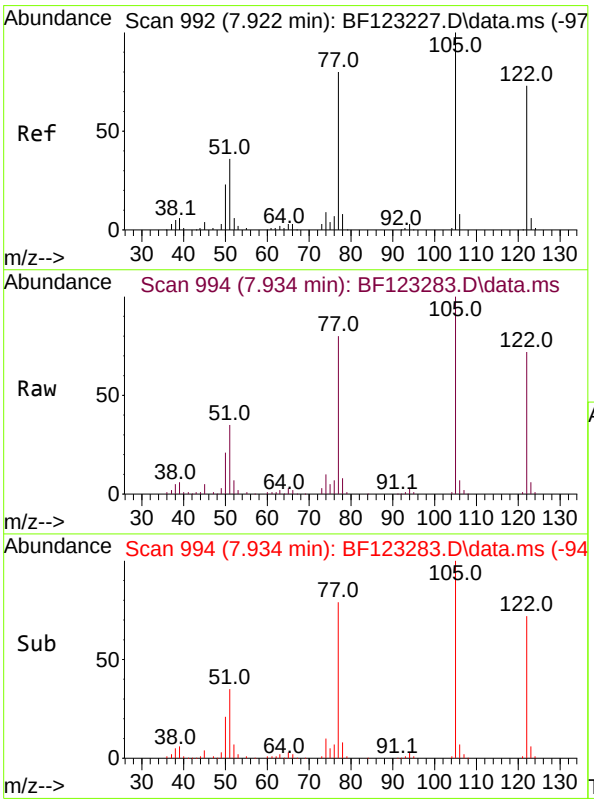


#31
Naphthalene
Concen: 42.48 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:128 Resp: 1073185

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.8	10.7	16.1

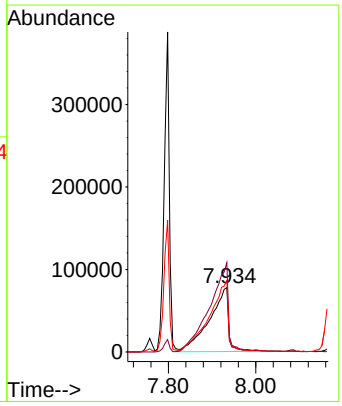




#32
Benzoic acid
Concen: 46.90 ng
RT: 7.934 min Scan# 994
Delta R.T. 0.012 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

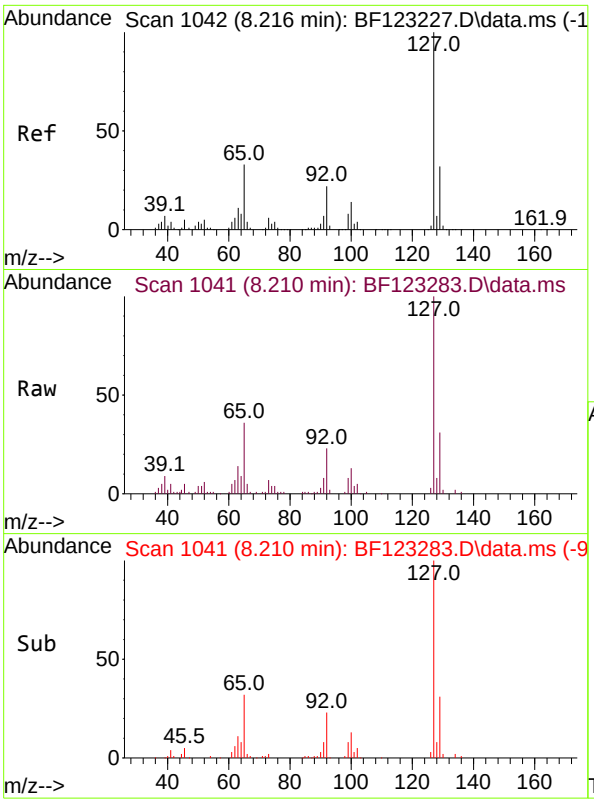
Tgt Ion:122 Resp: 238209

Ion	Ratio	Lower	Upper
122	100		
105	138.9	104.8	144.8
77	111.1	71.0	111.0#



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

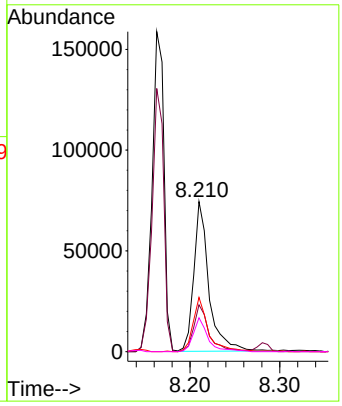
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM



#33
4-Chloroaniline
Concen: 8.47 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

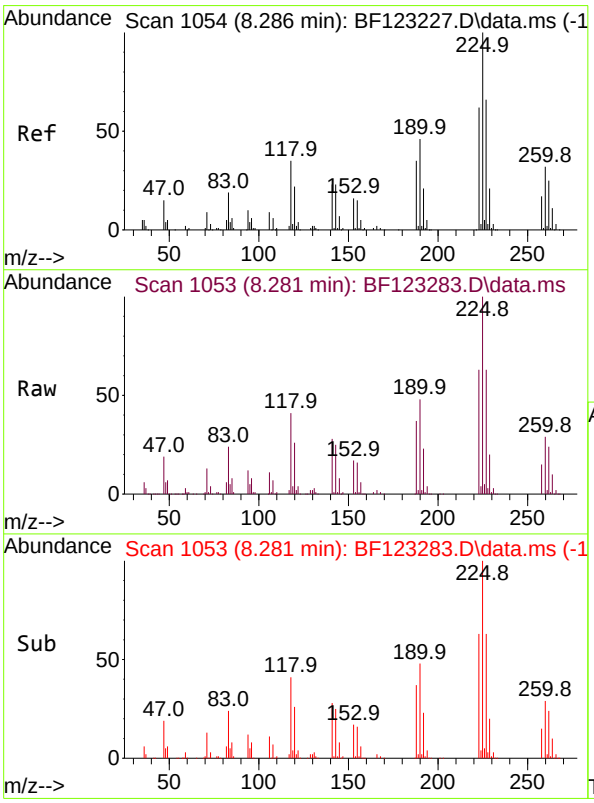
Tgt Ion:127 Resp: 87087

Ion	Ratio	Lower	Upper
127	100		
129	31.2	26.2	39.2
65	36.1	22.2	33.2#
92	22.6	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

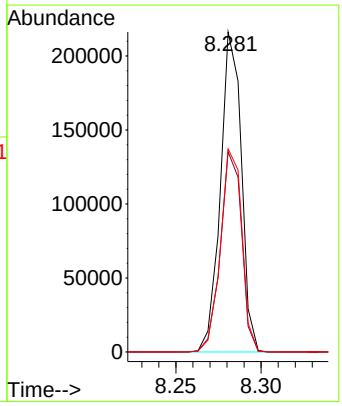
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

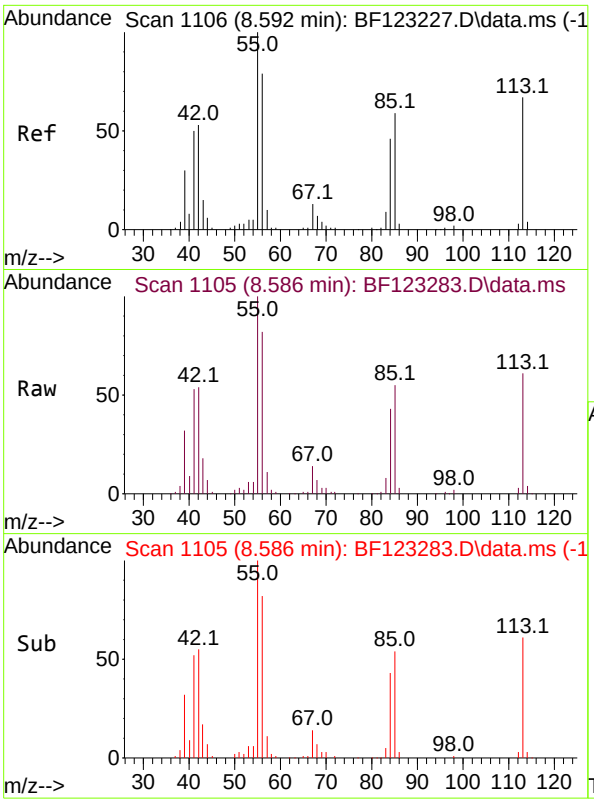


#34
Hexachlorobutadiene
Concen: 42.32 ng
RT: 8.281 min Scan# 1053
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:225 Resp: 184488

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.7	76.1
227	63.5	51.7	77.5

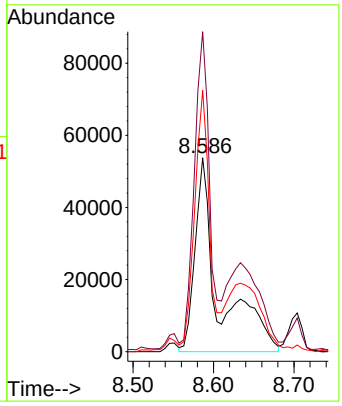




#35
Caprolactam
Concen: 46.17 ng m
RT: 8.586 min Scan# 1105
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

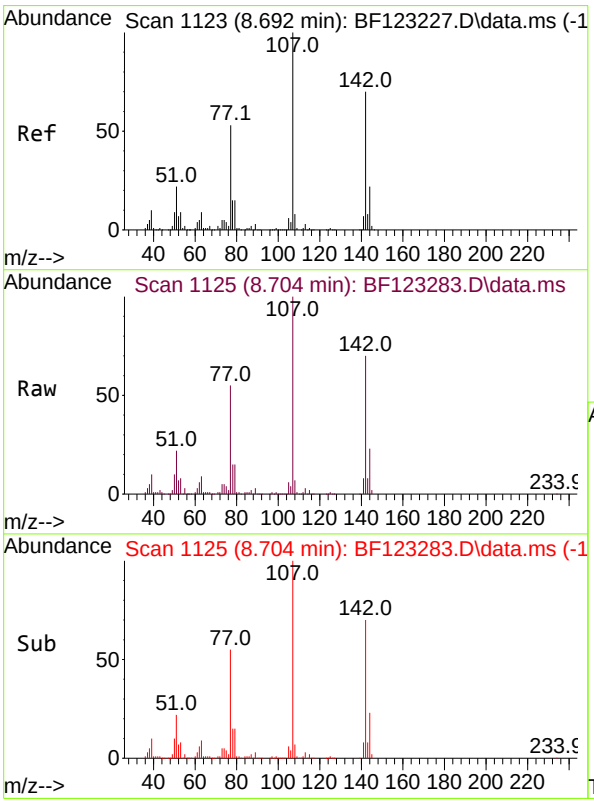
Tgt Ion:113 Resp: 110134

Ion	Ratio	Lower	Upper
113	100		
55	165.0	133.7	173.7
56	134.7	95.3	135.3



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

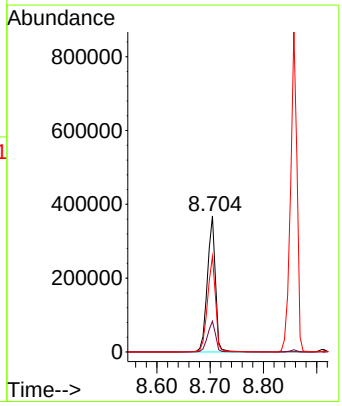
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

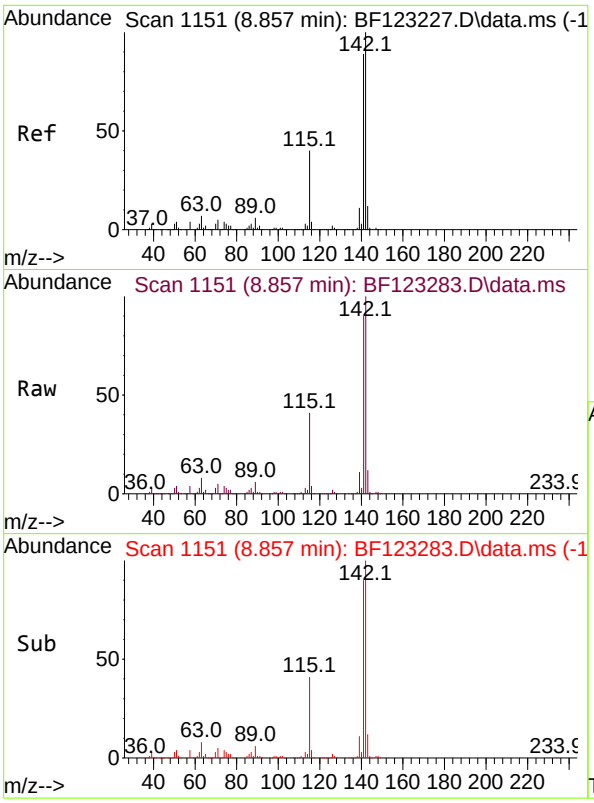


#36
4-Chloro-3-methylphenol
Concen: 45.80 ng
RT: 8.704 min Scan# 1125
Delta R.T. 0.012 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:107 Resp: 387042

Ion	Ratio	Lower	Upper
107	100		
144	22.6	20.2	30.2
142	70.4	64.4	96.6

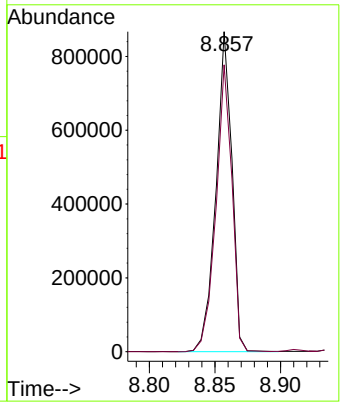




#37
2-Methylnaphthalene
Concen: 43.52 ng
RT: 8.857 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

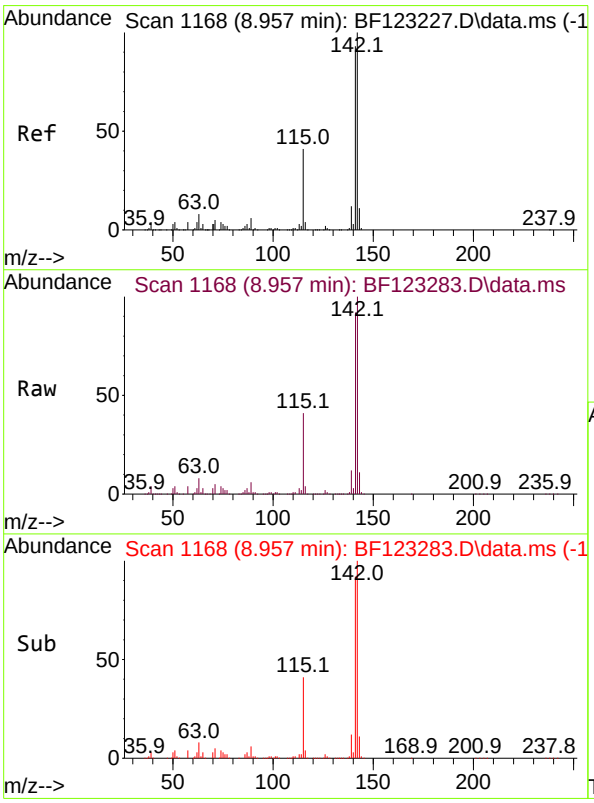
Tgt Ion:142 Resp: 732440

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.6	106.0



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

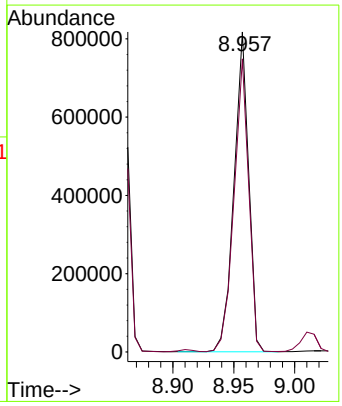
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

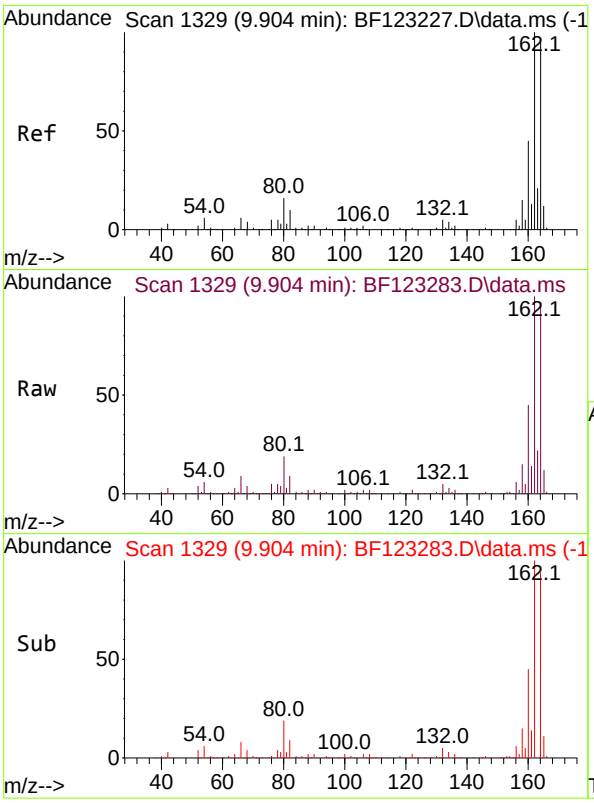


#38
1-Methylnaphthalene
Concen: 43.58 ng
RT: 8.957 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:142 Resp: 685952

Ion	Ratio	Lower	Upper
142	100		
141	91.6	74.5	111.7

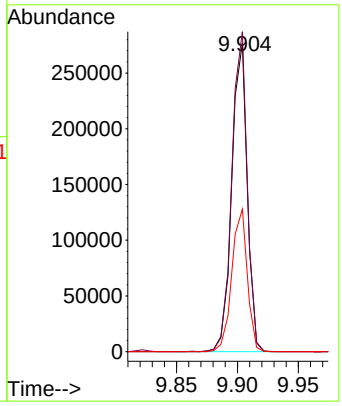


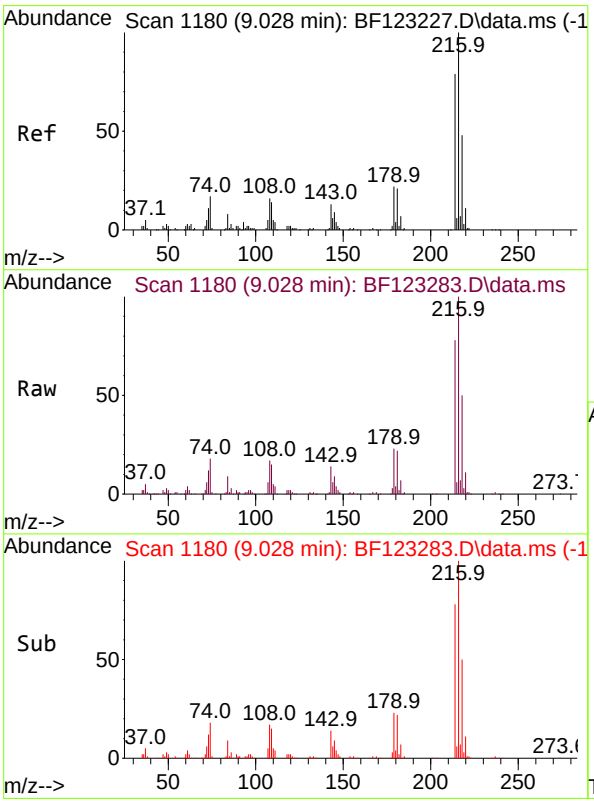


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:164 Resp: 243261

Ion	Ratio	Lower	Upper
164	100		
162	103.6	80.8	121.2
160	46.2	35.4	53.0

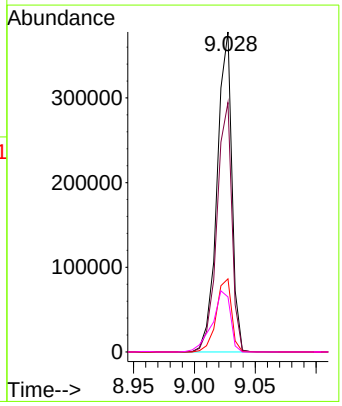




#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.06 ng
RT: 9.028 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

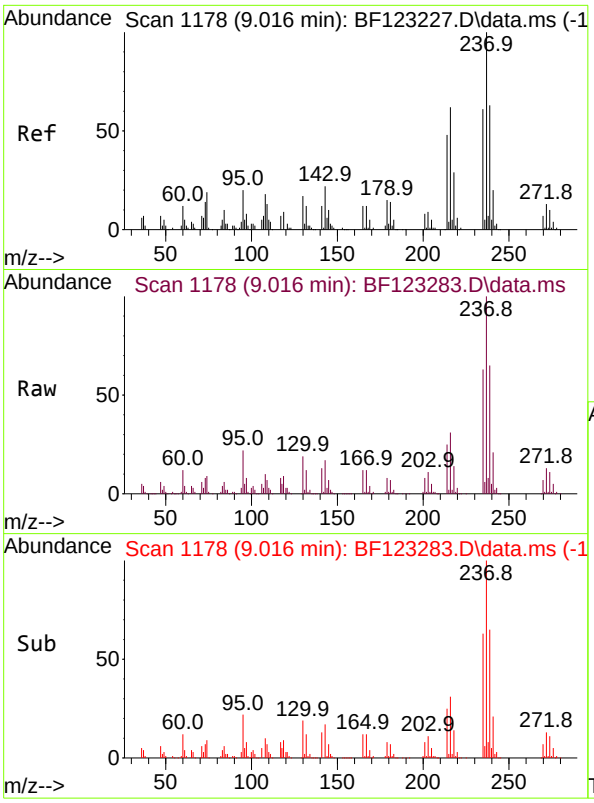
Tgt Ion:216 Resp: 320282

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.1	94.7
179	23.6	17.1	25.7
108	23.5	14.6	21.8#



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

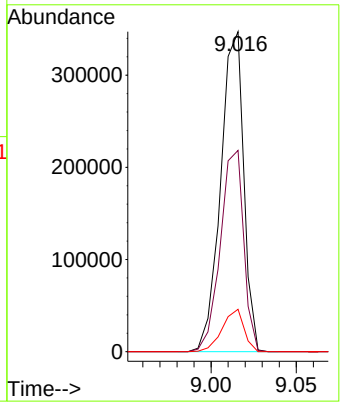
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM



#41
Hexachlorocyclopentadiene
Concen: 96.08 ng
RT: 9.016 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

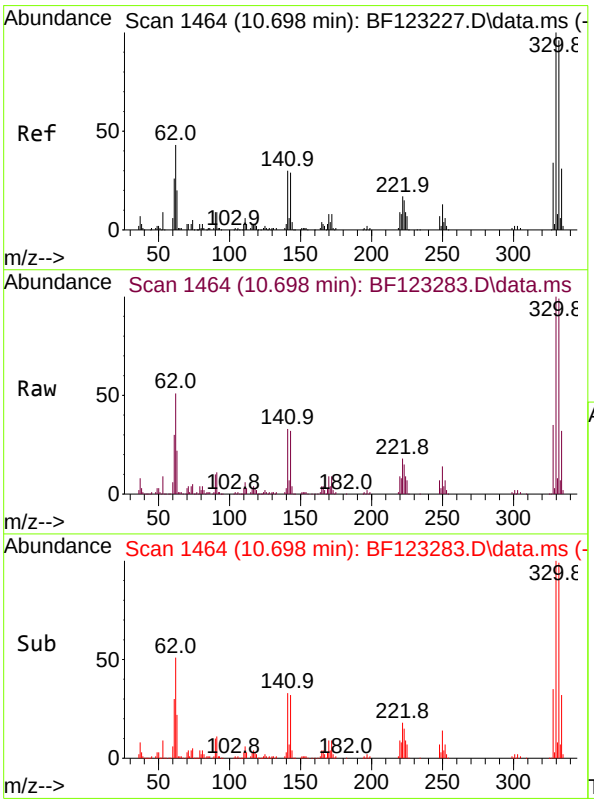
Tgt Ion:237 Resp: 327201

Ion	Ratio	Lower	Upper
237	100		
235	62.9	40.9	80.9
272	13.3	0.0	33.4



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

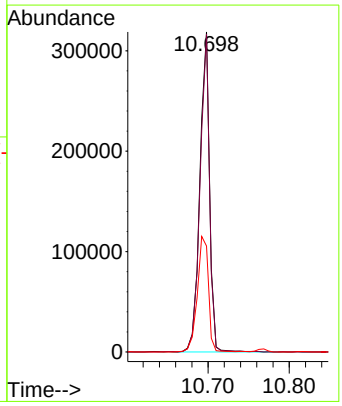
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

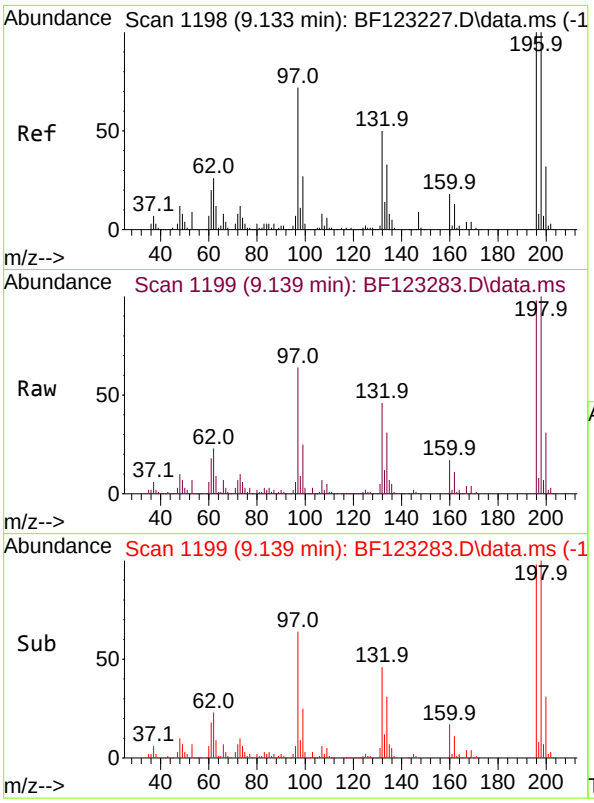


#42
2,4,6-Tribromophenol
Concen: 106.72 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:330 Resp: 264348

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.5	116.3
141	41.5	23.8	35.8#

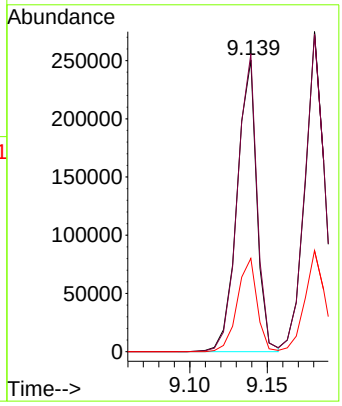


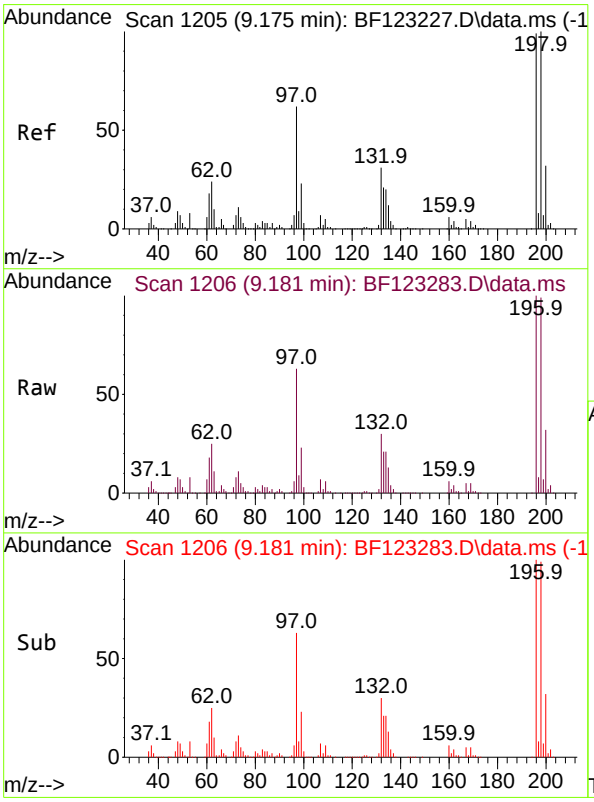


#43
2,4,6-Trichlorophenol
Concen: 43.10 ng
RT: 9.139 min Scan# 1199
Delta R.T. 0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:196 Resp: 222216

Ion	Ratio	Lower	Upper
196	100		
198	102.2	75.1	112.7
200	32.0	23.7	35.5

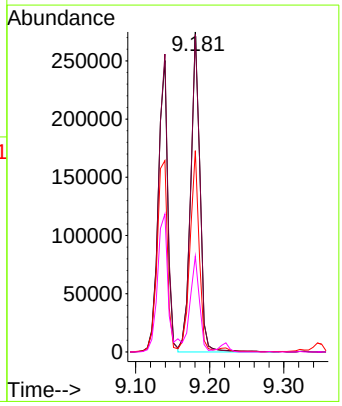




#44
2,4,5-Trichlorophenol
Concen: 43.59 ng
RT: 9.181 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

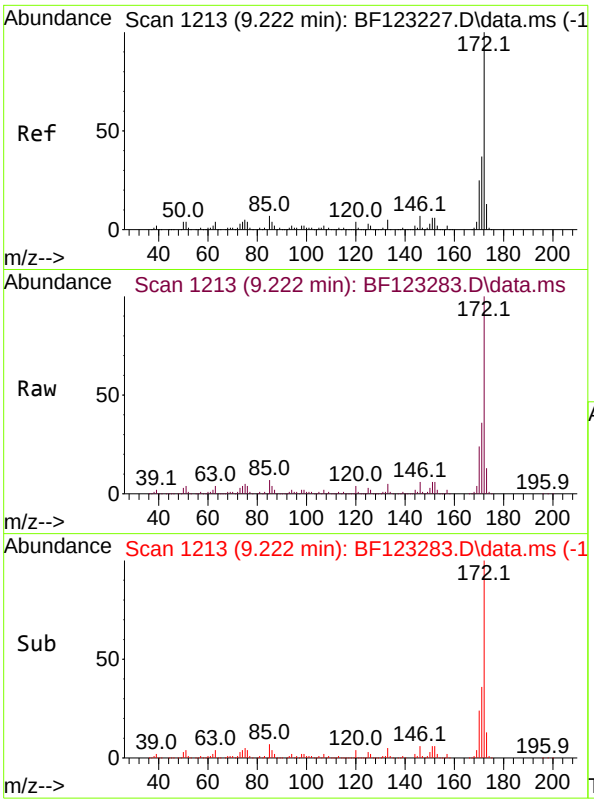
Tgt Ion:196 Resp: 240464

Ion	Ratio	Lower	Upper
196	100		
198	99.2	76.5	114.7
97	62.9	40.1	60.1#
132	29.9	23.3	34.9



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

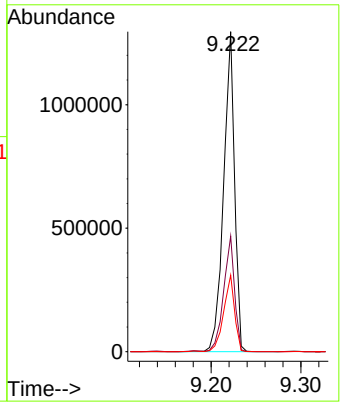
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

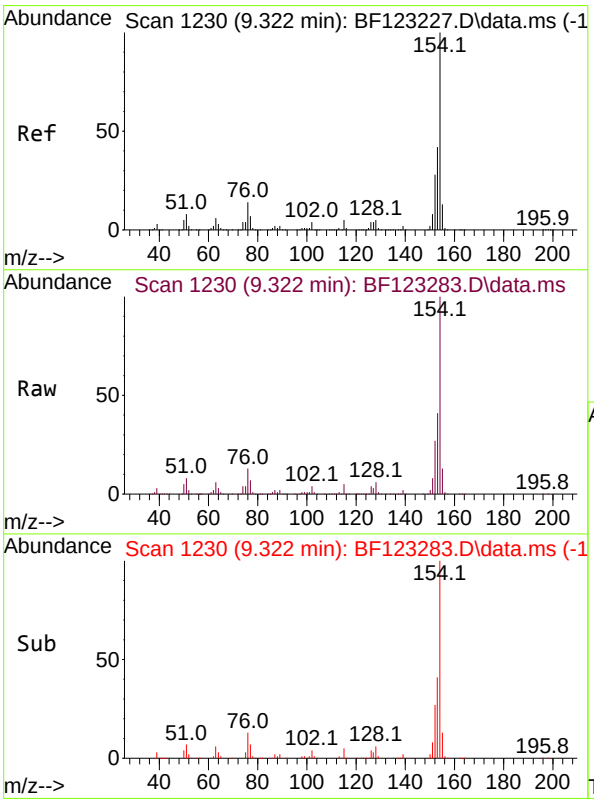


#45
2-Fluorobiphenyl
Concen: 64.98 ng
RT: 9.222 min Scan# 1213
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:172 Resp: 1100504

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.9	19.5	29.3

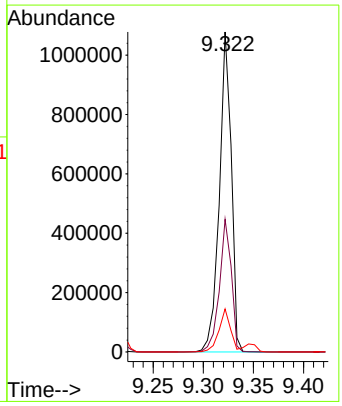




#46
1,1'-Biphenyl
Concen: 44.09 ng
RT: 9.322 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

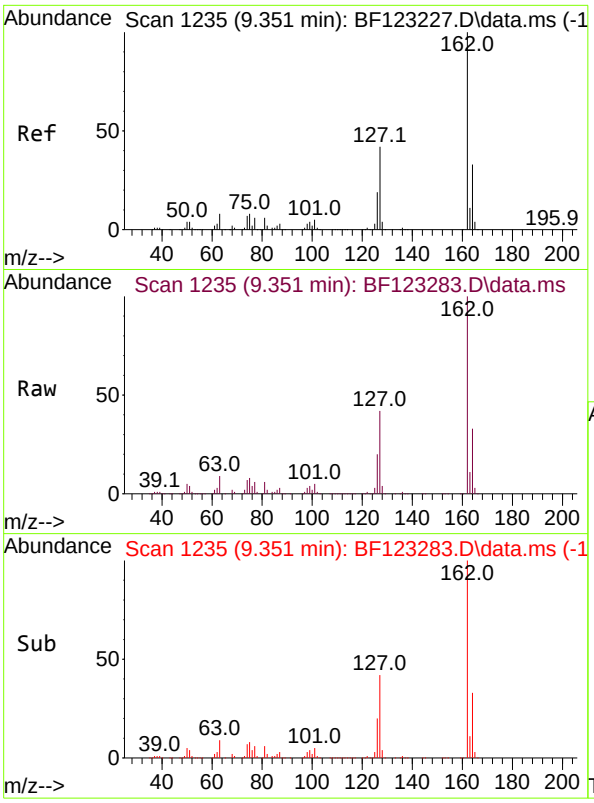
Tgt Ion:154 Resp: 889792

Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.8	61.8
76	13.5	0.0	33.4



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

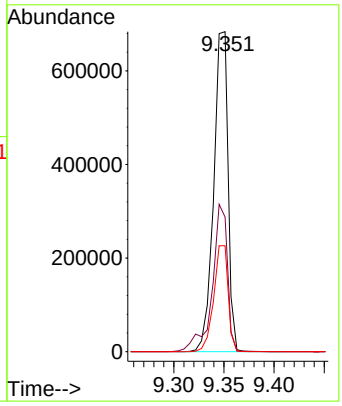
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM



#47
2-Chloronaphthalene
Concen: 42.73 ng
RT: 9.351 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

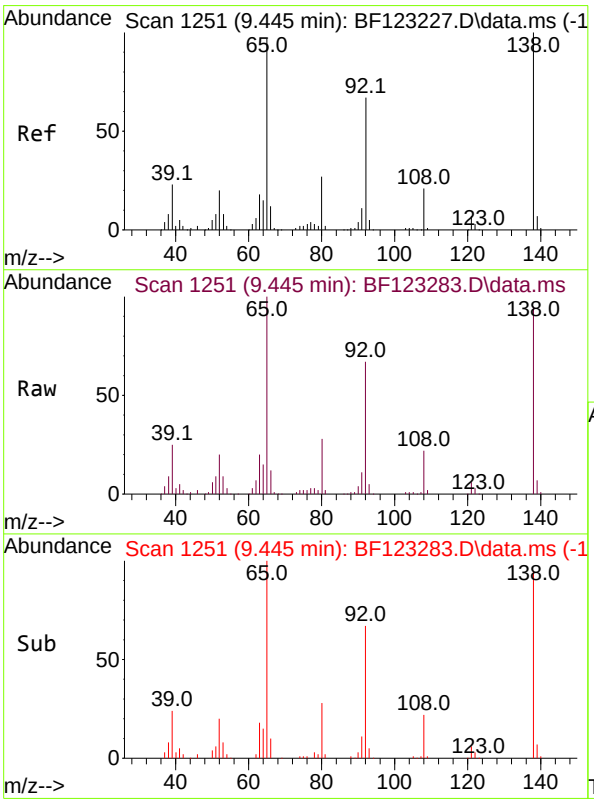
Tgt Ion:162 Resp: 680420

Ion	Ratio	Lower	Upper
162	100		
127	42.0	33.8	50.8
164	33.1	26.5	39.7



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

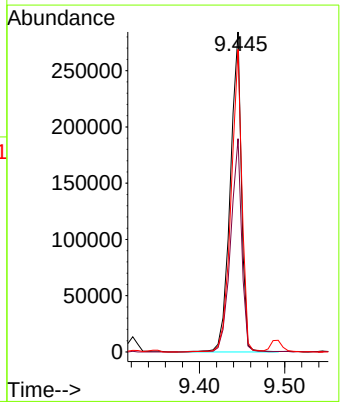
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

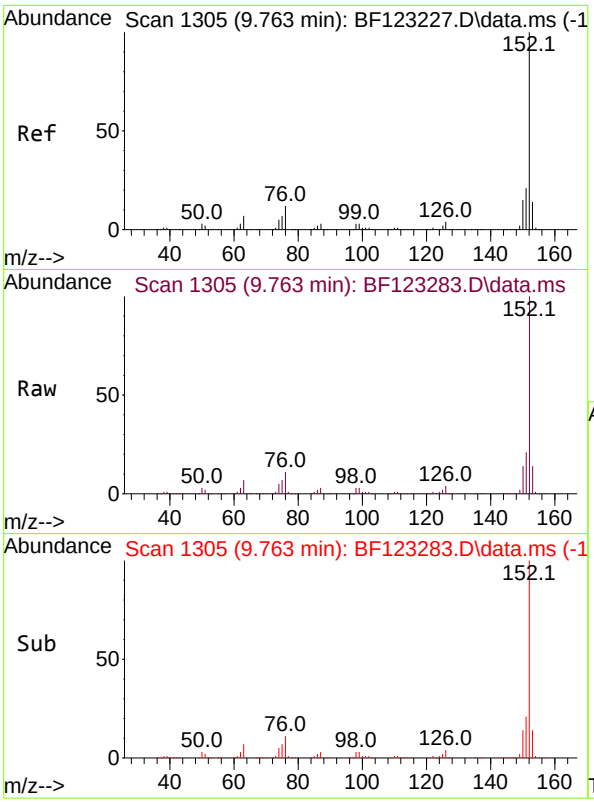


#48
2-Nitroaniline
Concen: 45.56 ng
RT: 9.445 min Scan# 1251
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion: 65 Resp: 259898

Ion	Ratio	Lower	Upper
65	100		
92	66.6	60.0	90.0
138	94.5	100.6	151.0#

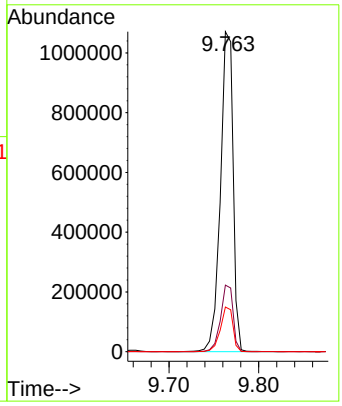


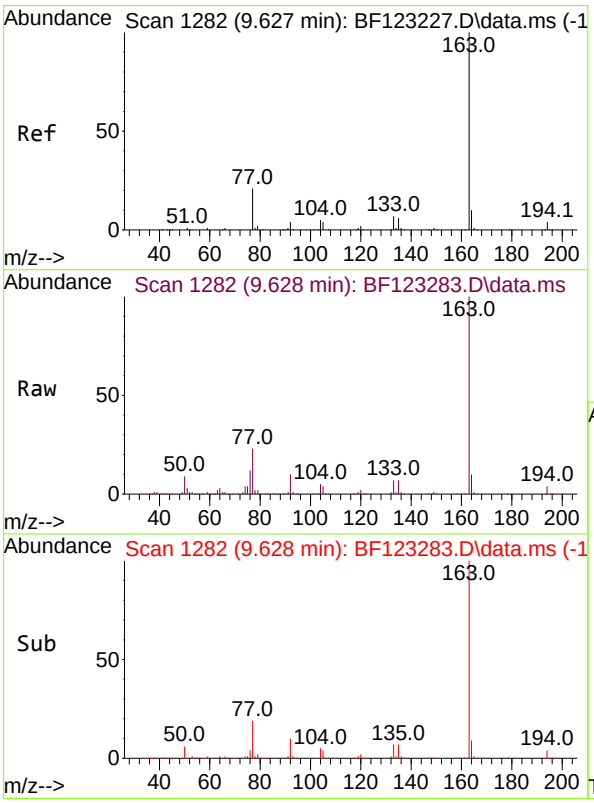


#49
Acenaphthylene
Concen: 43.61 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:152 Resp: 1053136

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	25.0
153	14.0	10.9	16.3

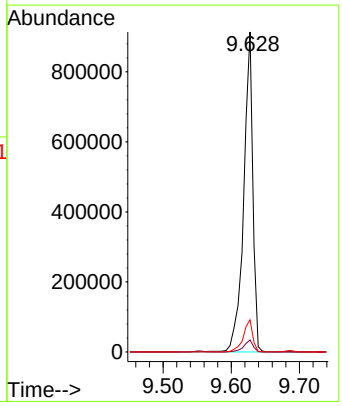




#50
Dimethylphthalate
Concen: 46.98 ng
RT: 9.628 min Scan# 1282
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

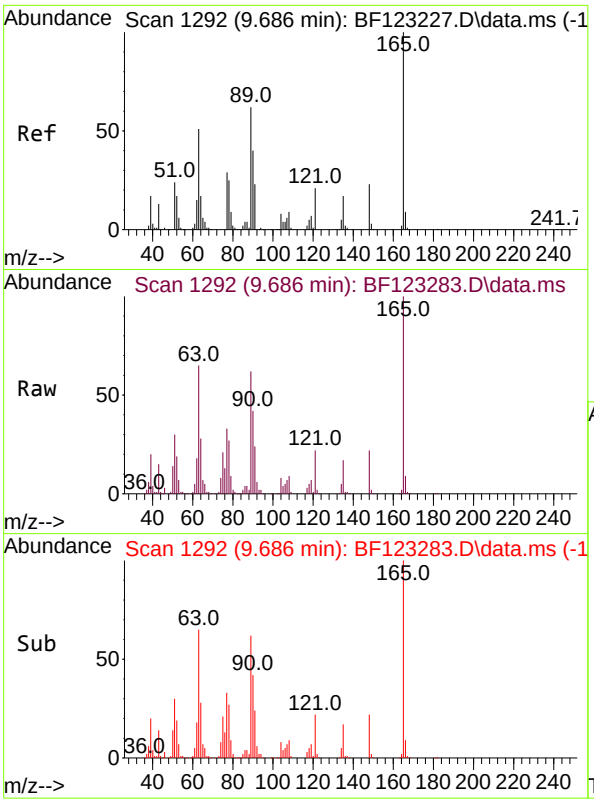
Tgt Ion:163 Resp: 854655

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.0
164	10.1	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

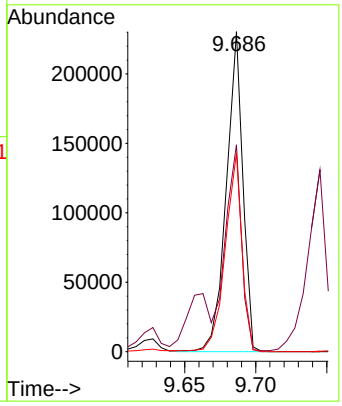
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

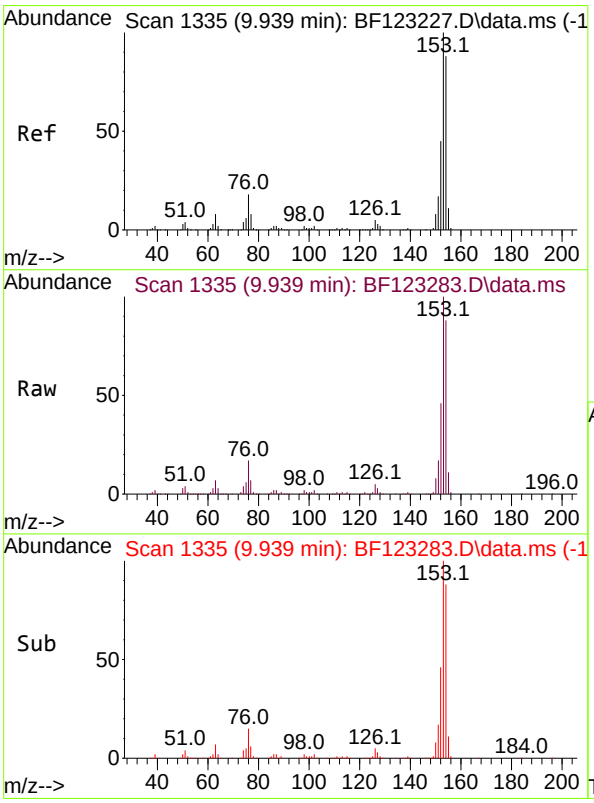


#51
2,6-Dinitrotoluene
Concen: 44.41 ng
RT: 9.686 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:165 Resp: 186185

Ion	Ratio	Lower	Upper
165	100		
63	64.6	36.6	55.0#
89	62.1	39.4	59.0#

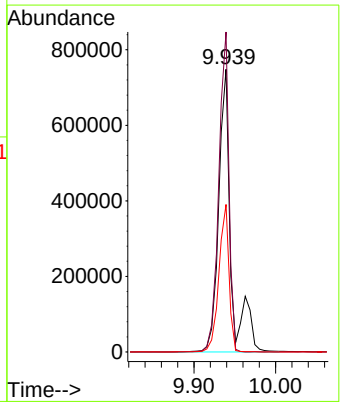




#52
Acenaphthene
Concen: 47.37 ng m
RT: 9.939 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:154 Resp: 788914

Ion	Ratio	Lower	Upper
154	100		
153	113.2	89.0	133.6
152	52.2	42.7	64.1

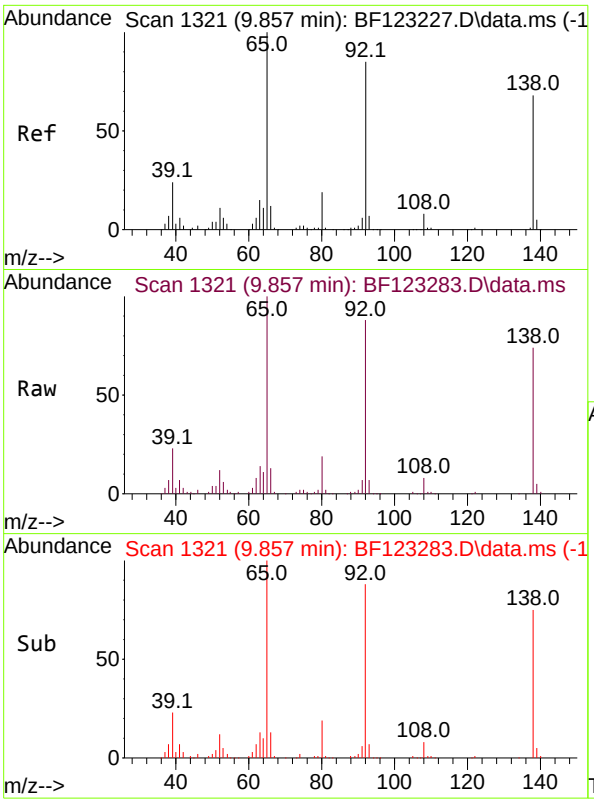


Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

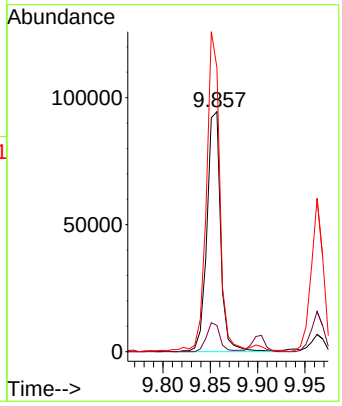
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

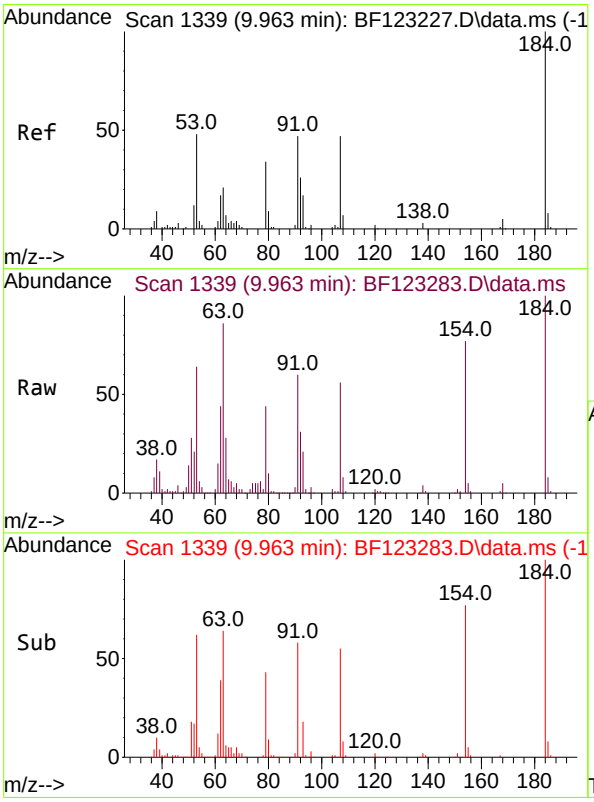


#53
3-Nitroaniline
Concen: 20.45 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:138 Resp: 95136

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.2	12.2
92	118.4	85.4	128.2

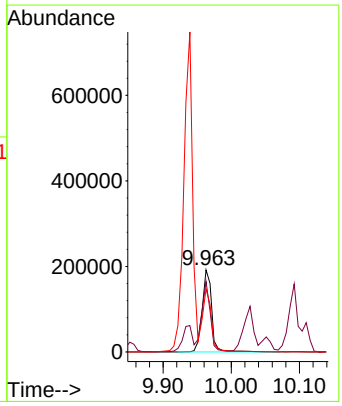


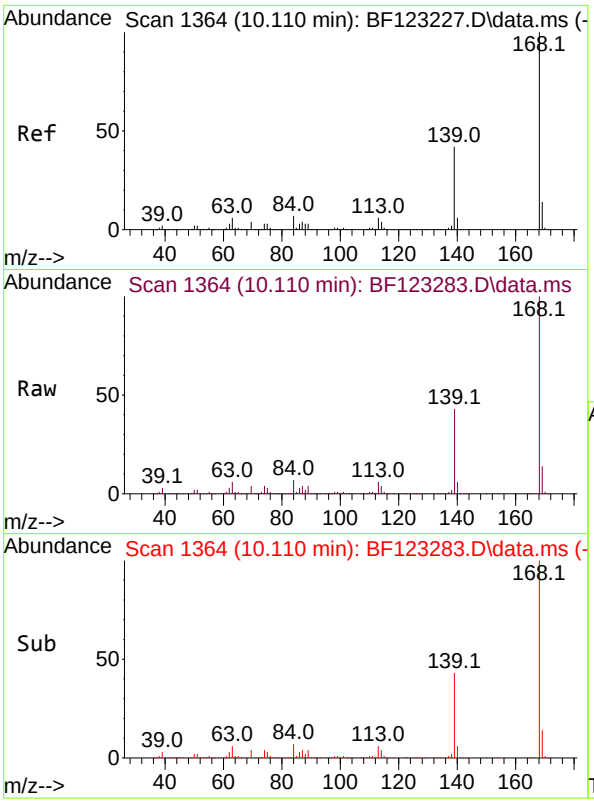


#54
2,4-Dinitrophenol
Concen: 84.92 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:184 Resp: 187015

Ion	Ratio	Lower	Upper
184	100		
63	85.7	51.4	77.2#
154	76.9	49.7	74.5#

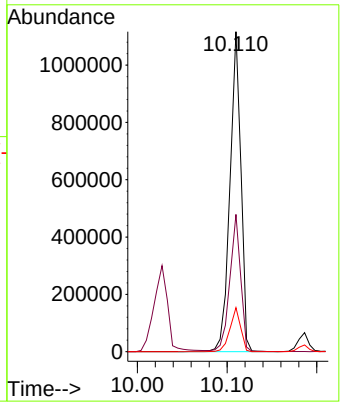


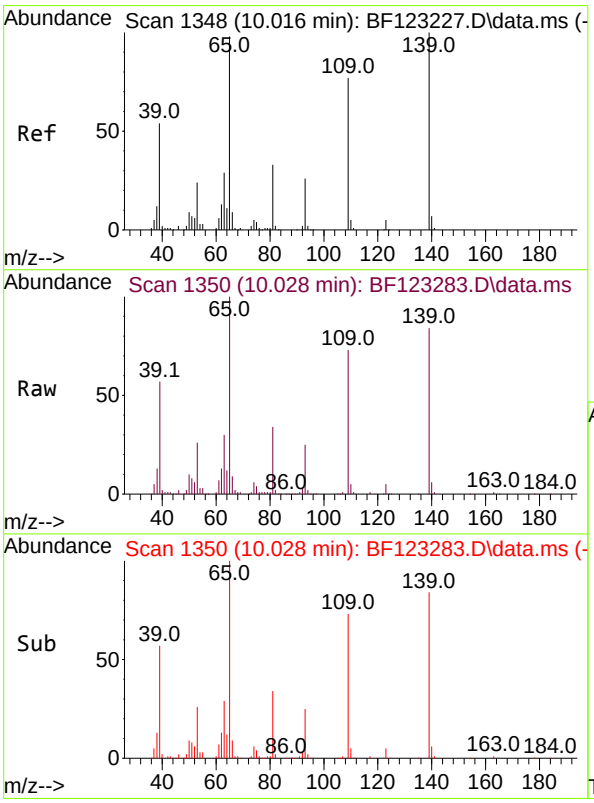


#55
Dibenzofuran
Concen: 42.17 ng
RT: 10.110 min Scan# 1364
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:168 Resp: 950755

Ion	Ratio	Lower	Upper
168	100		
139	42.9	31.3	46.9
169	13.7	11.2	16.8

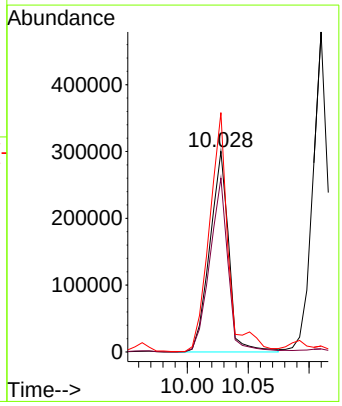




#56
4-Nitrophenol
Concen: 87.10 ng
RT: 10.028 min Scan# 1350
Delta R.T. 0.012 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

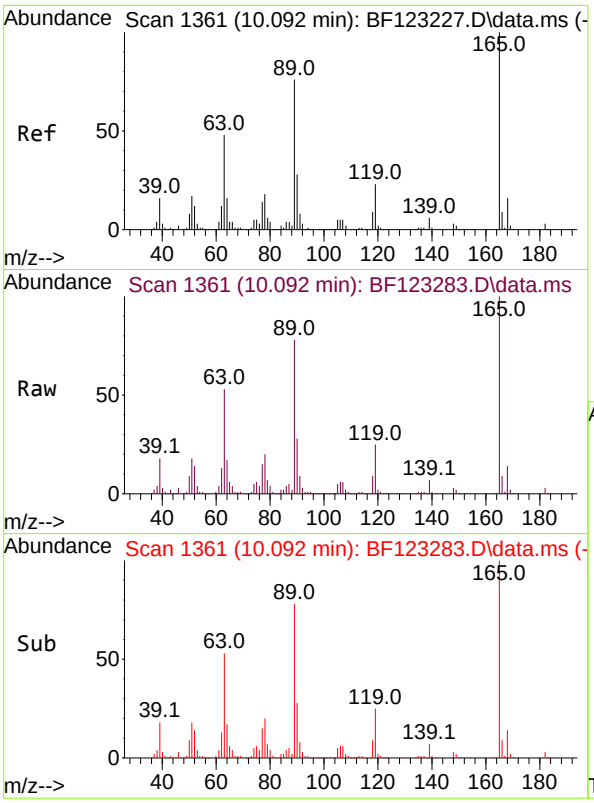
Tgt Ion:139 Resp: 322983

Ion	Ratio	Lower	Upper
139	100		
109	86.7	45.1	85.1#
65	119.4	59.2	99.2#



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

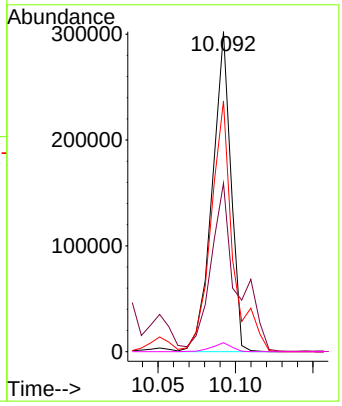
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

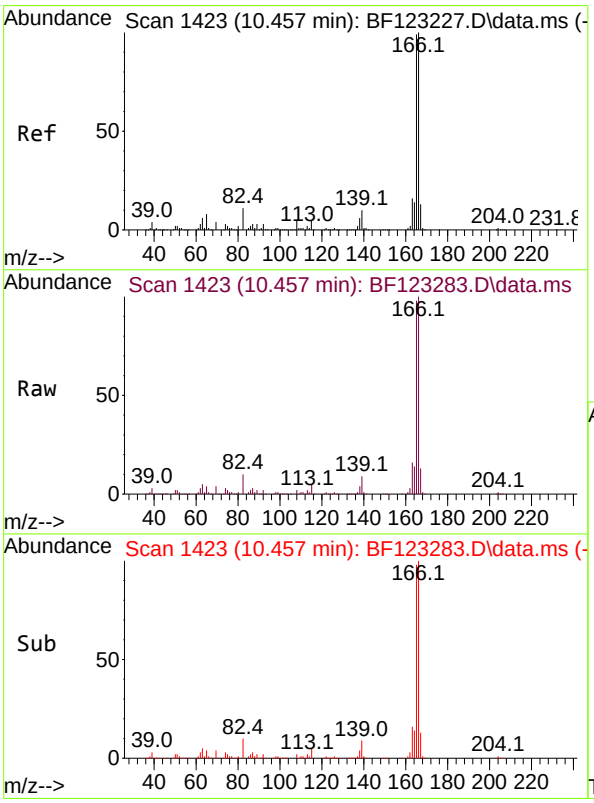


#57
2,4-Dinitrotoluene
Concen: 44.95 ng
RT: 10.092 min Scan# 1361
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:165 Resp: 253439

Ion	Ratio	Lower	Upper
165	100		
63	52.6	34.3	51.5#
89	78.3	55.2	82.8
182	2.8	2.2	3.2

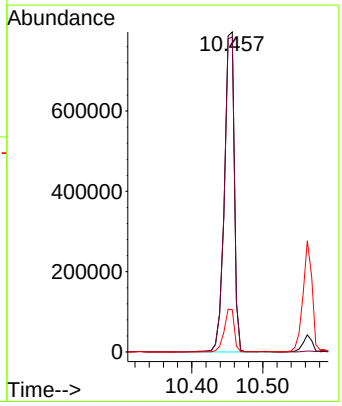




#58
Fluorene
Concen: 43.38 ng
RT: 10.457 min Scan# 1423
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:166 Resp: 769751

Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.4	119.0
167	13.2	10.9	16.3

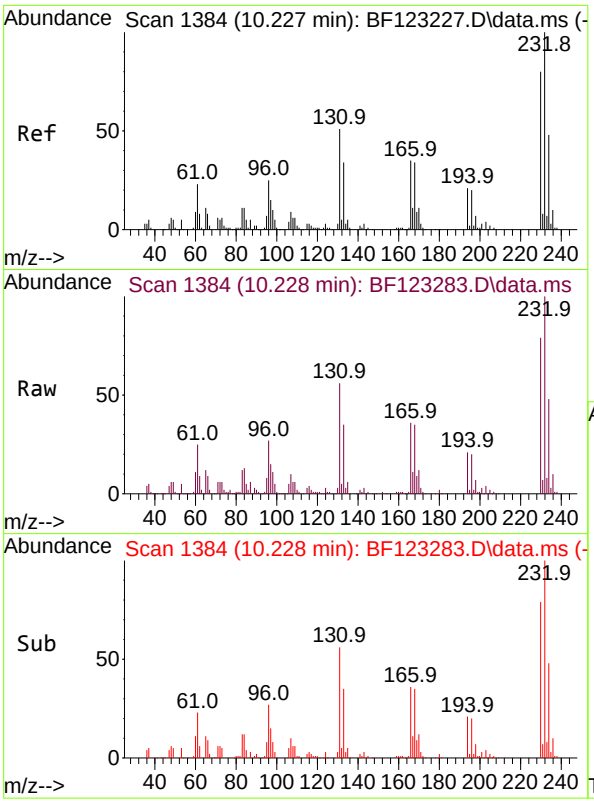


Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

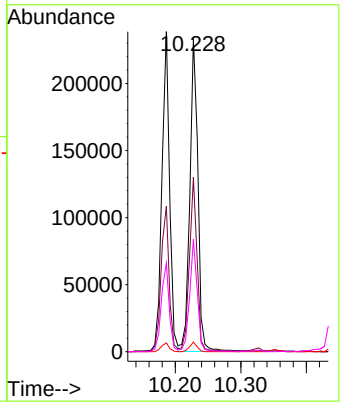
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

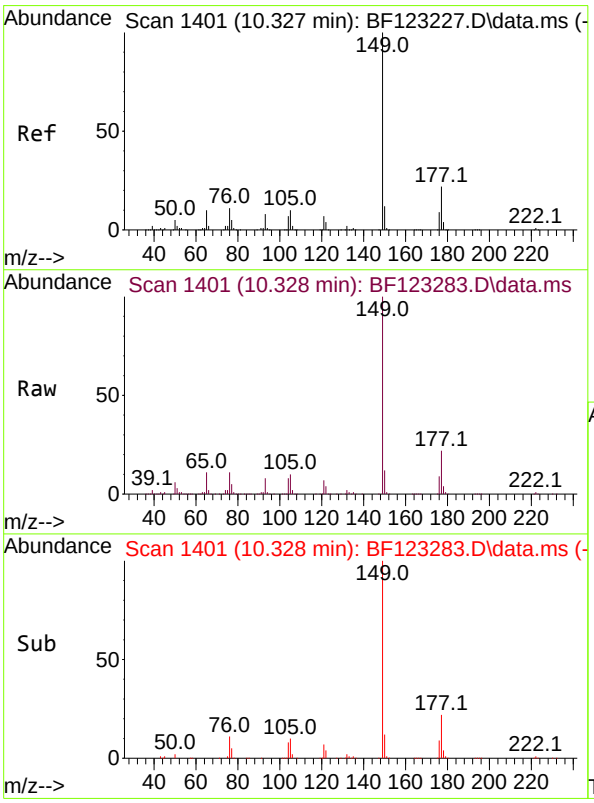


#59
2,3,4,6-Tetrachlorophenol
Concen: 45.52 ng
RT: 10.228 min Scan# 1384
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:232 Resp: 200341

Ion	Ratio	Lower	Upper
232	100		
131	52.7	33.0	49.4#
130	2.8	1.7	2.5#
166	33.9	23.0	34.4

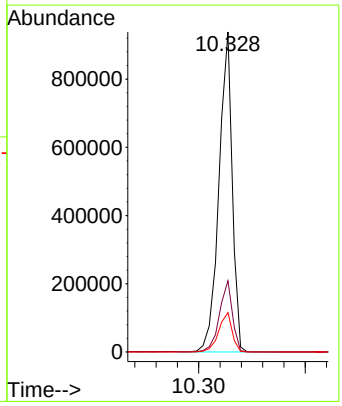


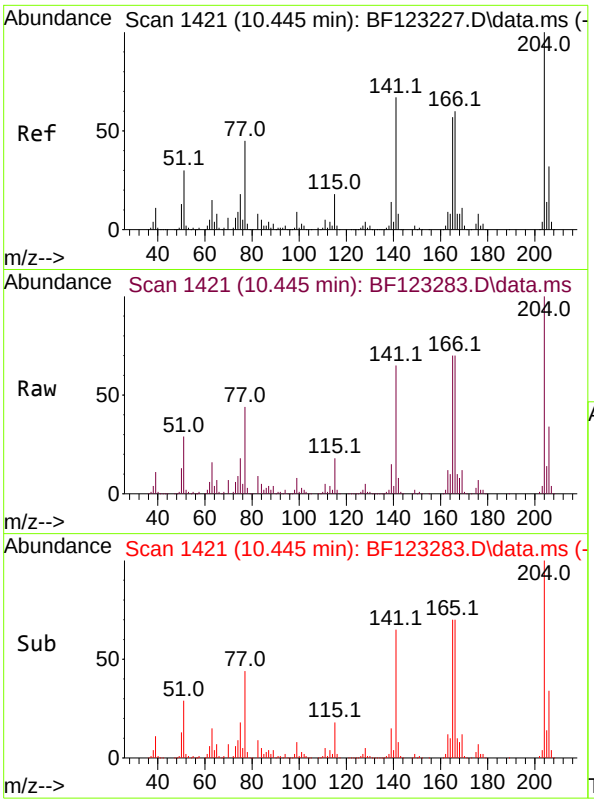


#60
Diethylphthalate
Concen: 45.07 ng
RT: 10.328 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:149 Resp: 811792

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.2	27.4
150	12.3	10.1	15.1

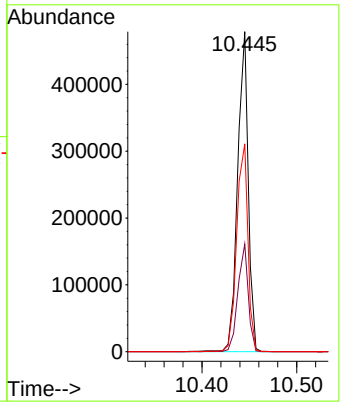


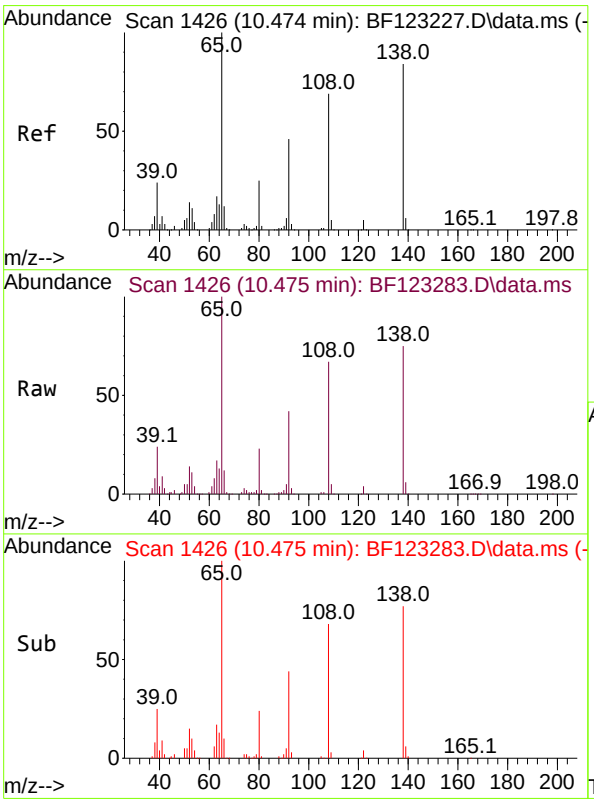


#61
4-Chlorophenyl-phenylether
Concen: 43.98 ng
RT: 10.445 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:204 Resp: 371471

Ion	Ratio	Lower	Upper
204	100		
206	33.7	27.0	40.4
141	64.9	50.4	75.6

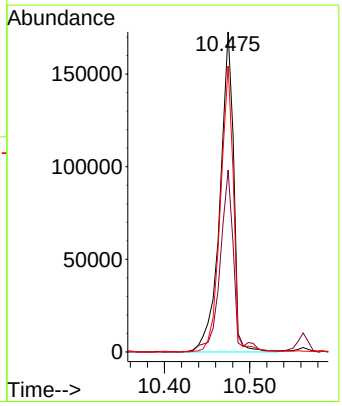




#62
4-Nitroaniline
Concen: 41.06 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

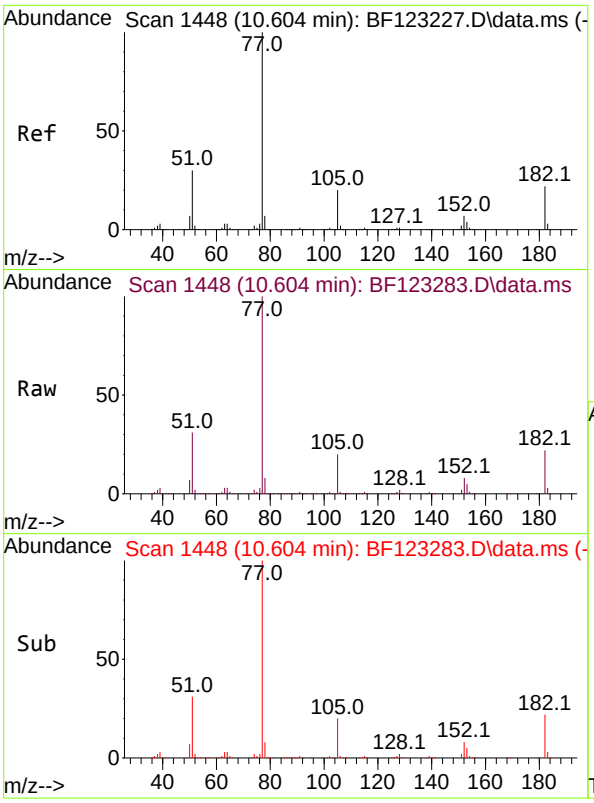
Tgt Ion:138 Resp: 192314

Ion	Ratio	Lower	Upper
138	100		
92	56.8	31.0	71.0
108	89.3	54.8	94.8



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

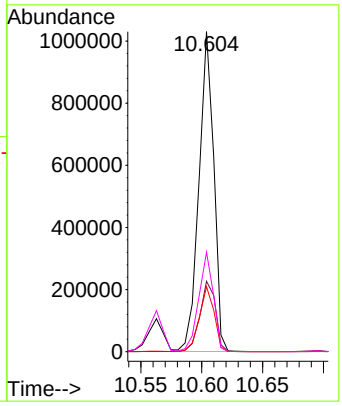
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

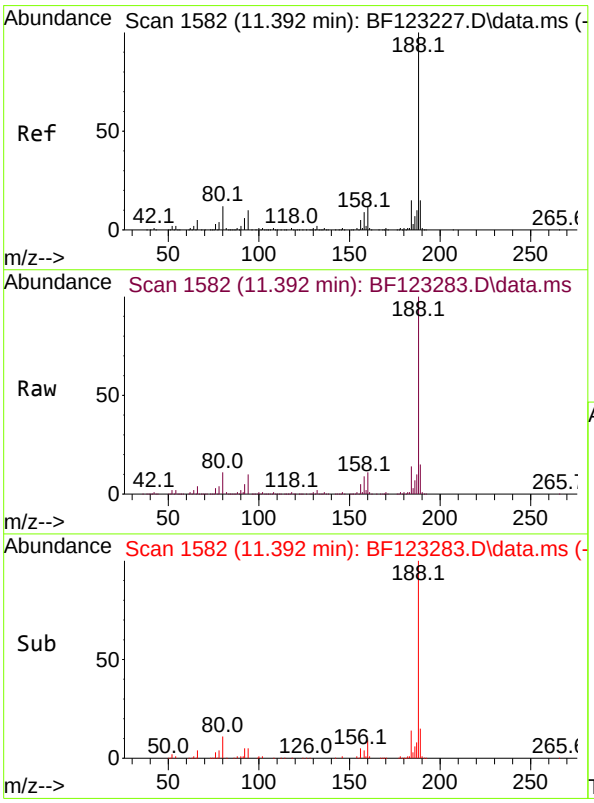


#63
Azobenzene
Concen: 42.01 ng
RT: 10.604 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion: 77 Resp: 871915

Ion	Ratio	Lower	Upper
77	100		
182	22.0	5.6	45.6
105	20.3	1.8	41.8
51	31.1	8.3	48.3

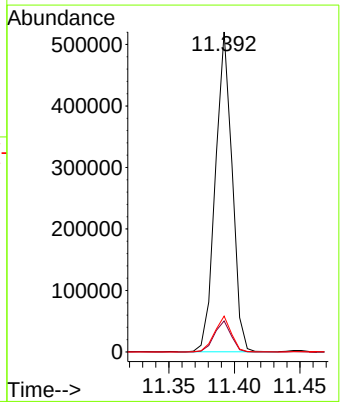




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

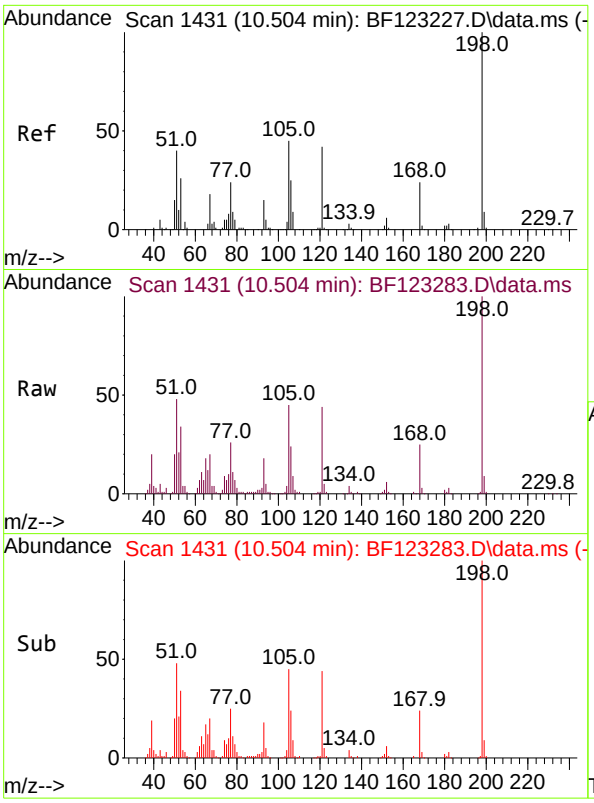
Tgt Ion:188 Resp: 460080

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.4	11.2
80	11.2	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

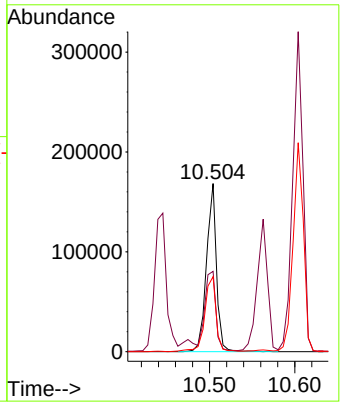
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM



#65
4,6-Dinitro-2-methylphenol
Concen: 44.16 ng
RT: 10.504 min Scan# 1431
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

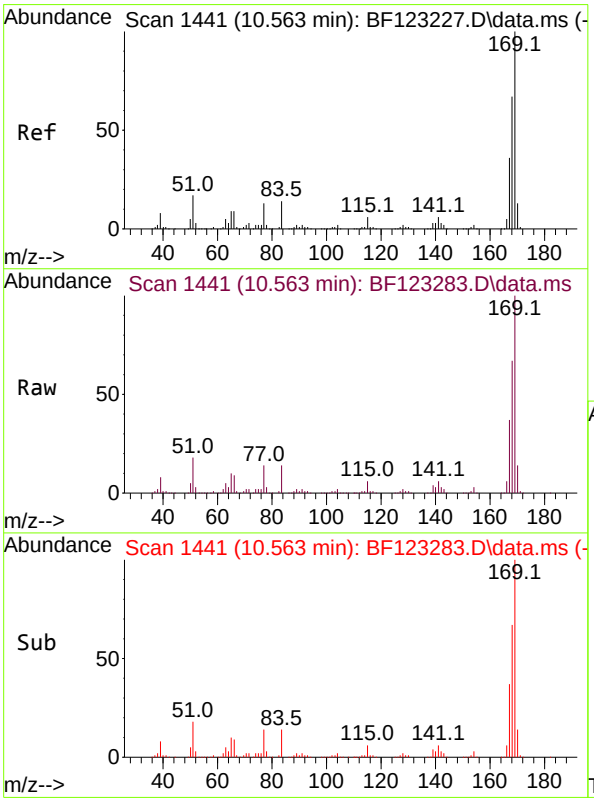
Tgt Ion:198 Resp: 136775

Ion	Ratio	Lower	Upper
198	100		
51	47.8	20.3	60.3
105	44.6	23.0	63.0



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

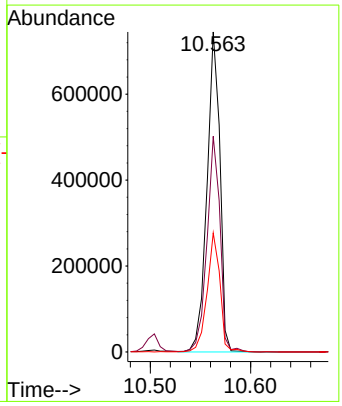
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

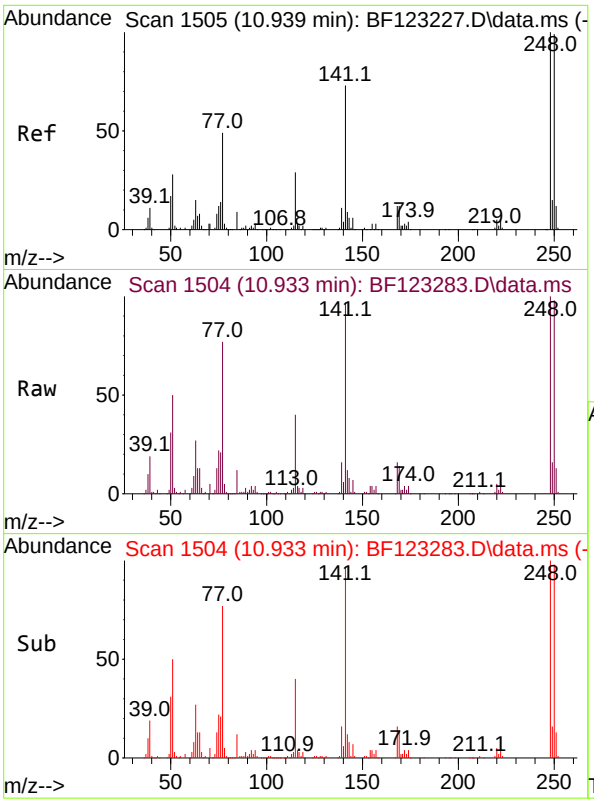


#66
n-Nitrosodiphenylamine
Concen: 42.10 ng
RT: 10.563 min Scan# 1441
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:169 Resp: 669838

Ion	Ratio	Lower	Upper
169	100		
168	67.4	54.2	81.2
167	37.2	29.2	43.8

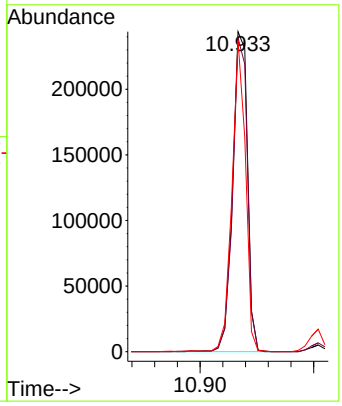


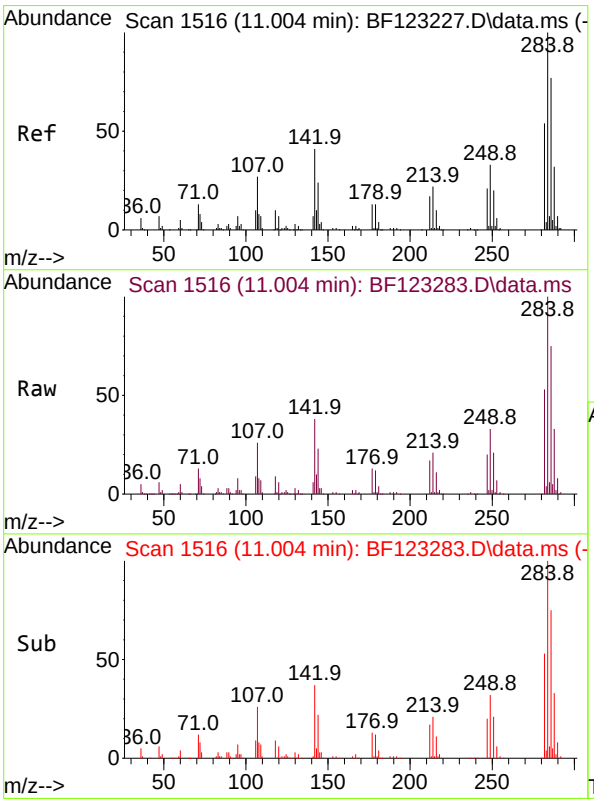


#67
4-Bromophenyl-phenylether
Concen: 44.11 ng
RT: 10.933 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:248 Resp: 221230

Ion	Ratio	Lower	Upper
248	100		
250	98.0	76.8	115.2
141	97.2	59.8	89.8#

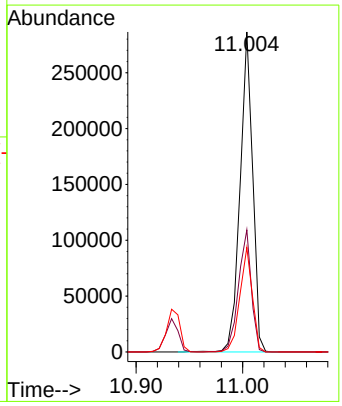




#68
Hexachlorobenzene
Concen: 44.64 ng
RT: 11.004 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:284 Resp: 235870

Ion	Ratio	Lower	Upper
284	100		
142	38.2	25.6	38.4
249	32.7	25.1	37.7

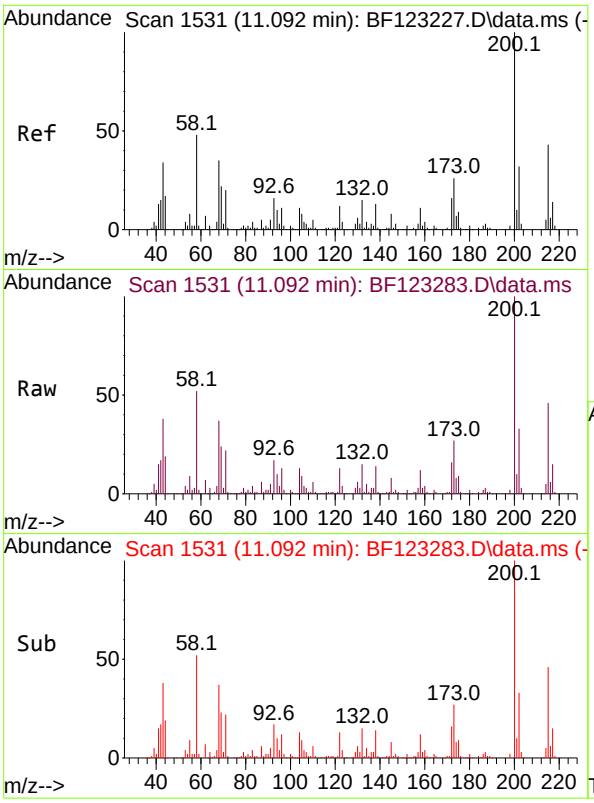


Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

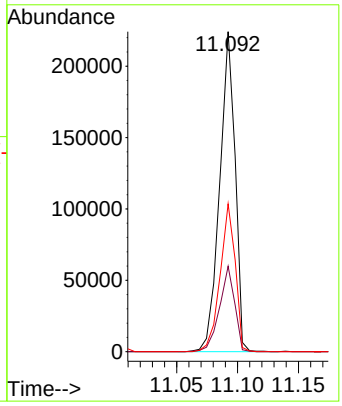
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

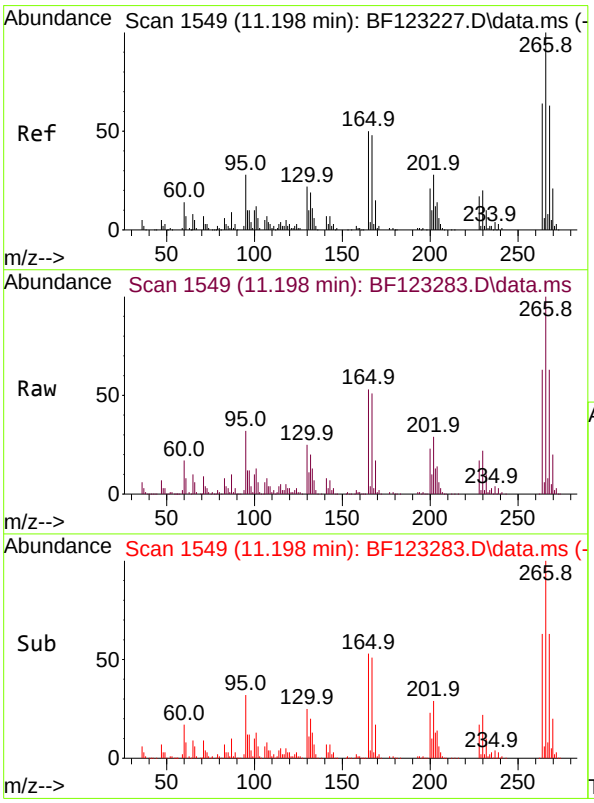


#69
Atrazine
Concen: 39.36 ng
RT: 11.092 min Scan# 1531
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:200 Resp: 197902

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.6	46.6
215	46.2	28.1	68.1

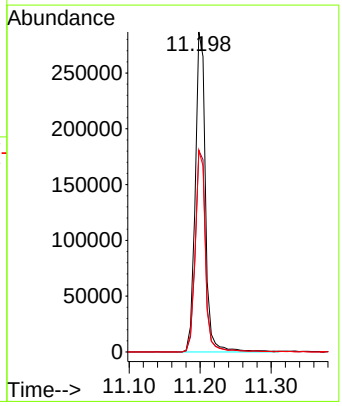


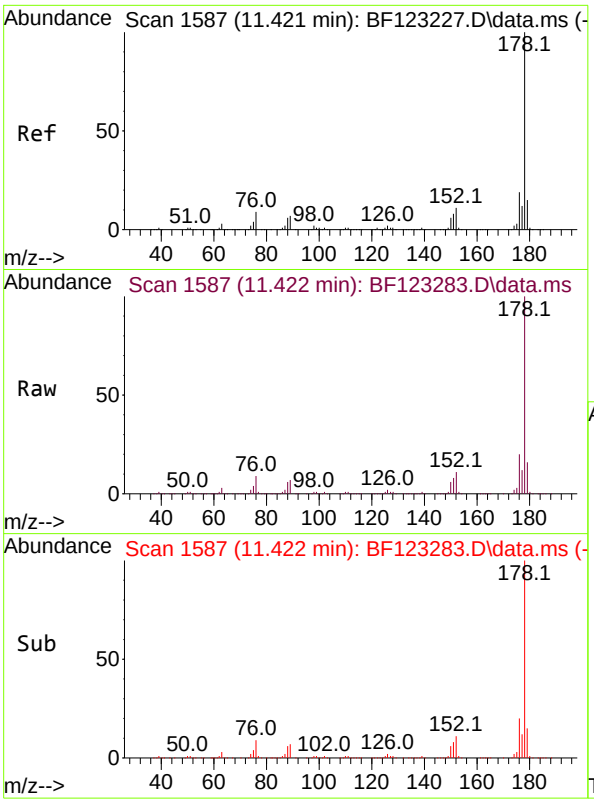


#70
Pentachlorophenol
Concen: 85.94 ng
RT: 11.198 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:266 Resp: 286726

Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.5	75.7
264	63.0	49.8	74.8

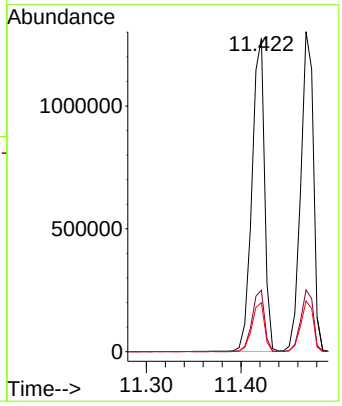




#71
Phenanthrene
Concen: 43.45 ng
RT: 11.422 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

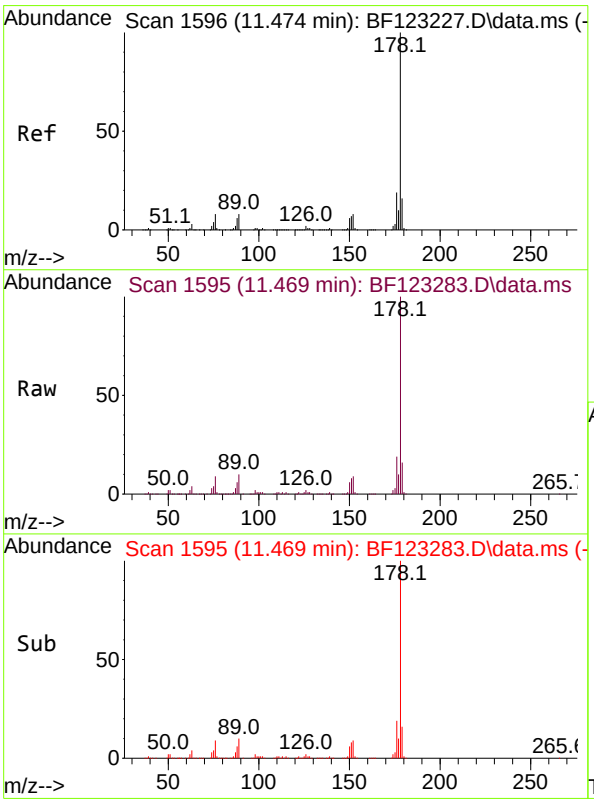
Tgt Ion:178 Resp: 1182129

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.2
179	15.6	12.7	19.1



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

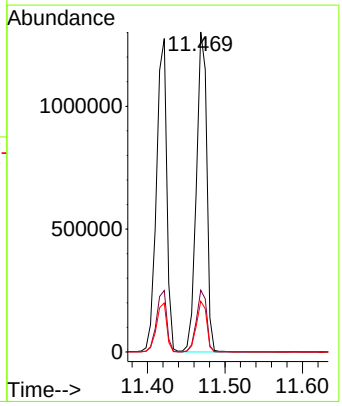
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

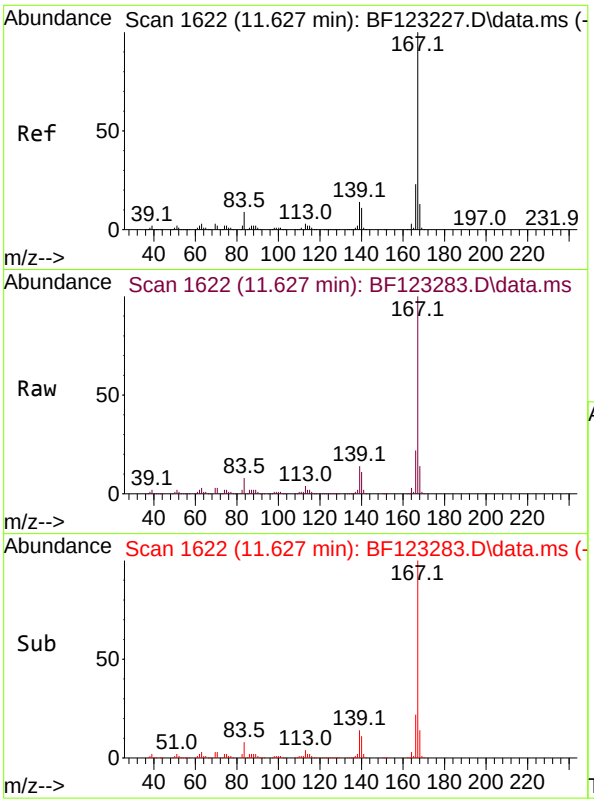


#72
Anthracene
Concen: 44.73 ng
RT: 11.469 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:178 Resp: 1214257

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	15.9	12.8	19.2

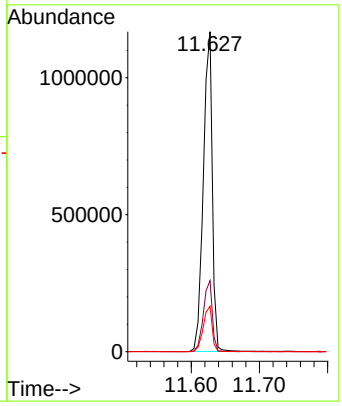




#73
Carbazole
Concen: 41.76 ng
RT: 11.627 min Scan# 1622
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

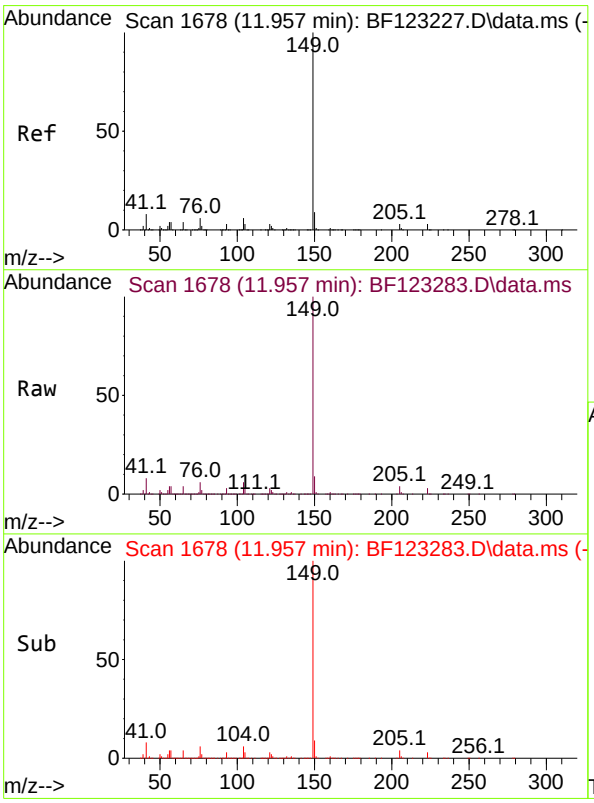
Tgt Ion:167 Resp: 1067596

Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.0	27.0
139	14.2	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

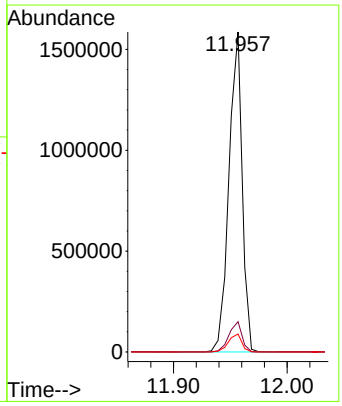
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

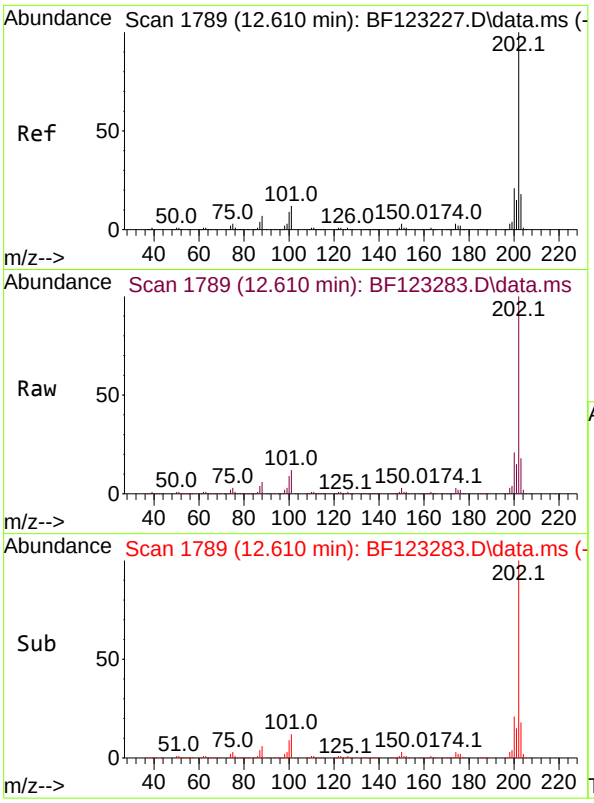


#74
Di-n-butylphthalate
Concen: 44.86 ng
RT: 11.957 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:149 Resp: 1282296

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.8	11.6
104	5.6	4.2	6.4

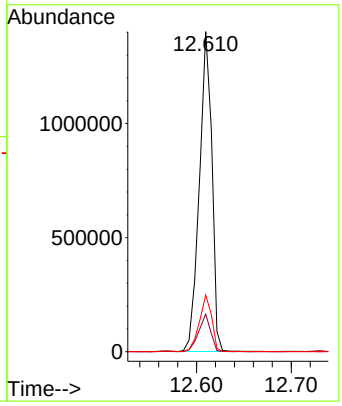


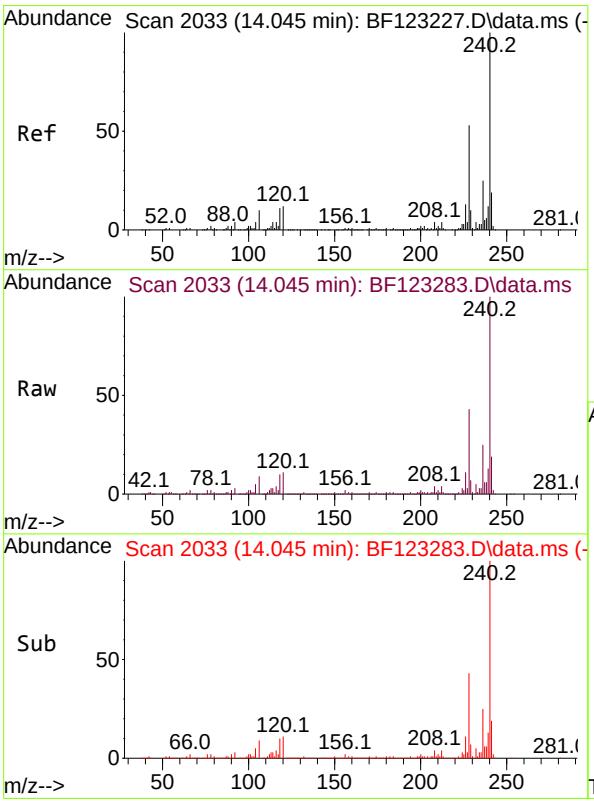


#75
Fluoranthene
Concen: 44.84 ng
RT: 12.610 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:202 Resp: 1293074

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.2
203	17.7	0.0	38.1

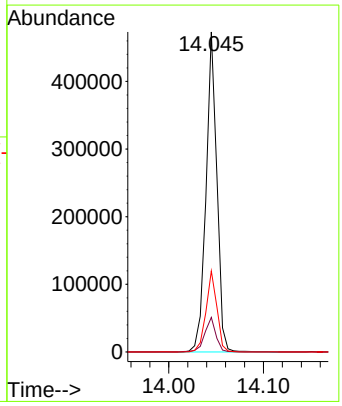




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

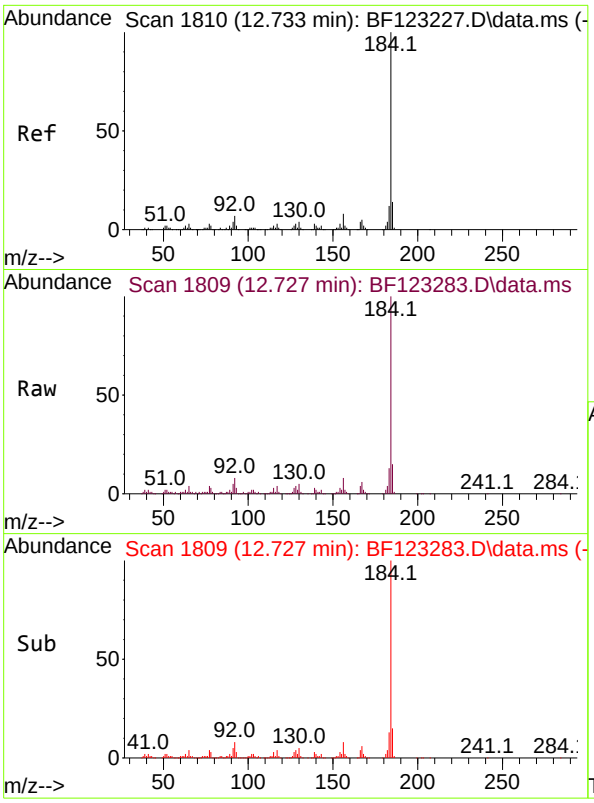
Tgt Ion:240 Resp: 376223

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.6	12.8
236	25.3	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

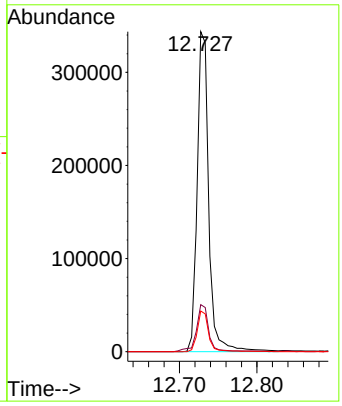
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

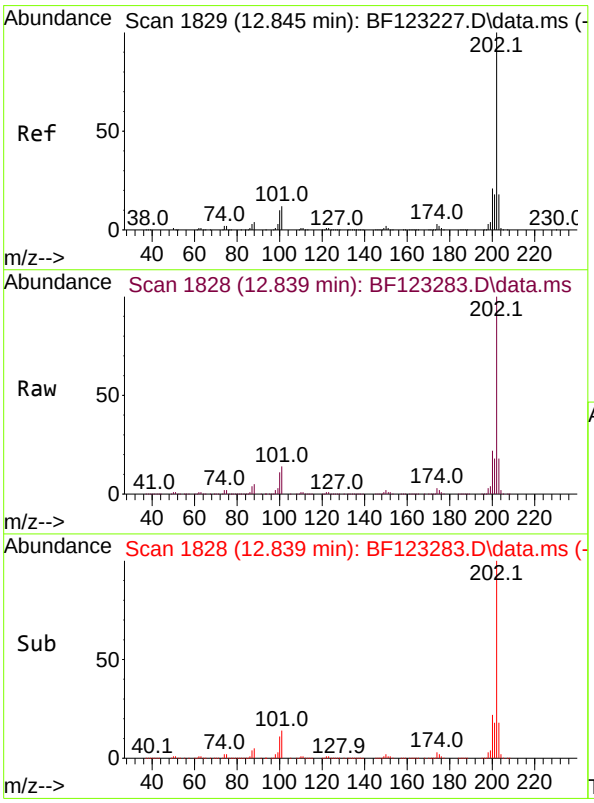


#77
Benzidine
Concen: 29.28 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:184 Resp: 355788

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.8	17.6
183	12.7	9.7	14.5

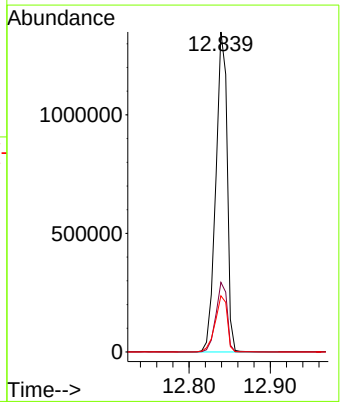




#78
Pyrene
Concen: 44.55 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:202 Resp: 1308493

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.6	26.4
203	17.6	14.6	21.8

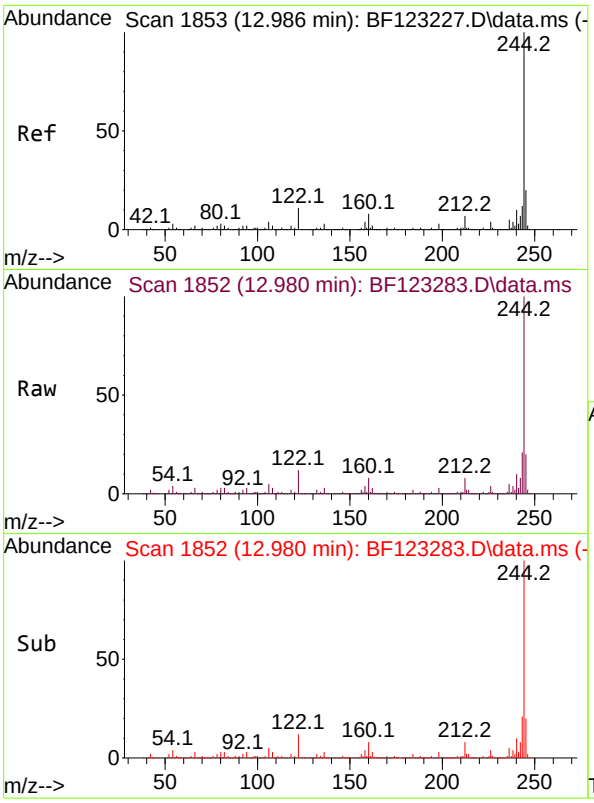


Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

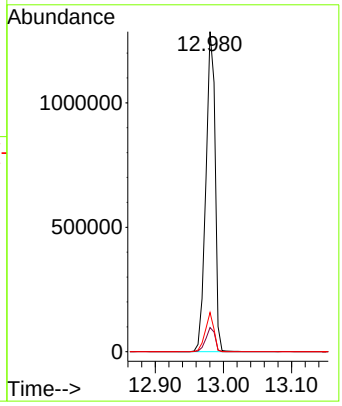
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

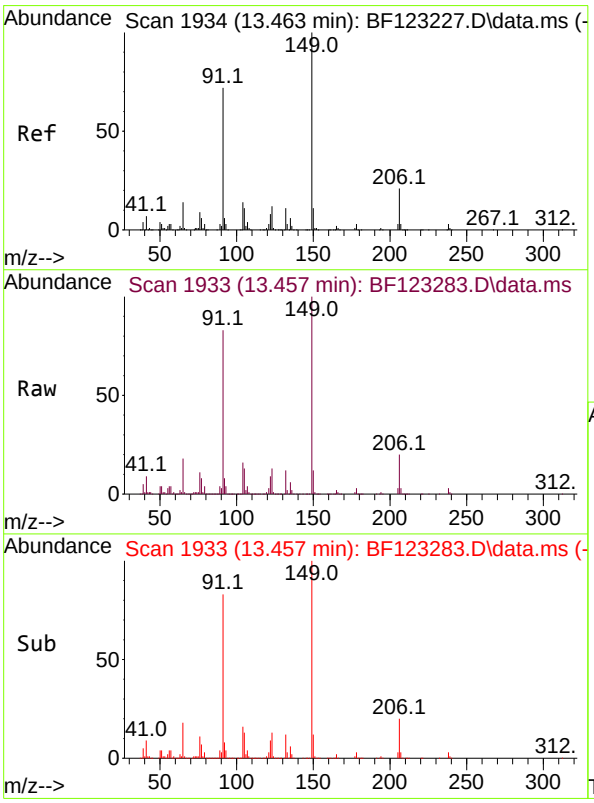


#79
Terphenyl-d14
Concen: 61.88 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:244 Resp: 1210723

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.7	8.5
122	12.2	8.3	12.5

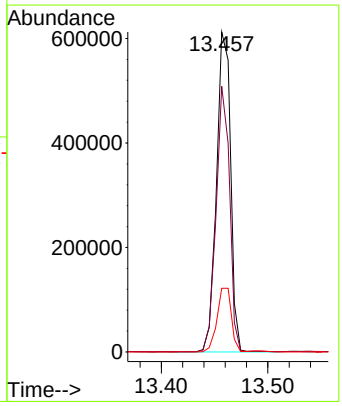




#80
Butylbenzylphthalate
Concen: 45.26 ng
RT: 13.457 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

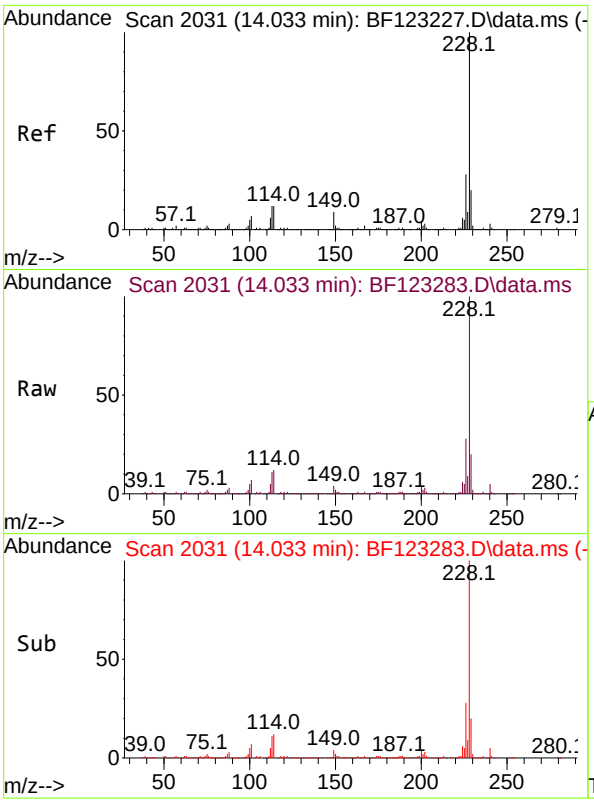
Tgt Ion:149 Resp: 561966

Ion	Ratio	Lower	Upper
149	100		
91	83.0	56.5	84.7
206	19.9	17.0	25.6



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

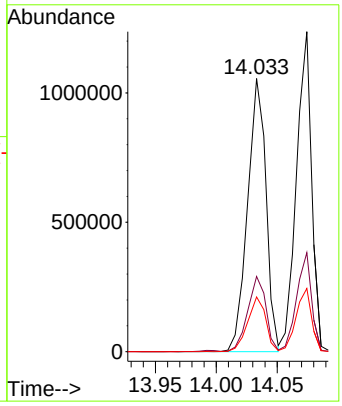
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

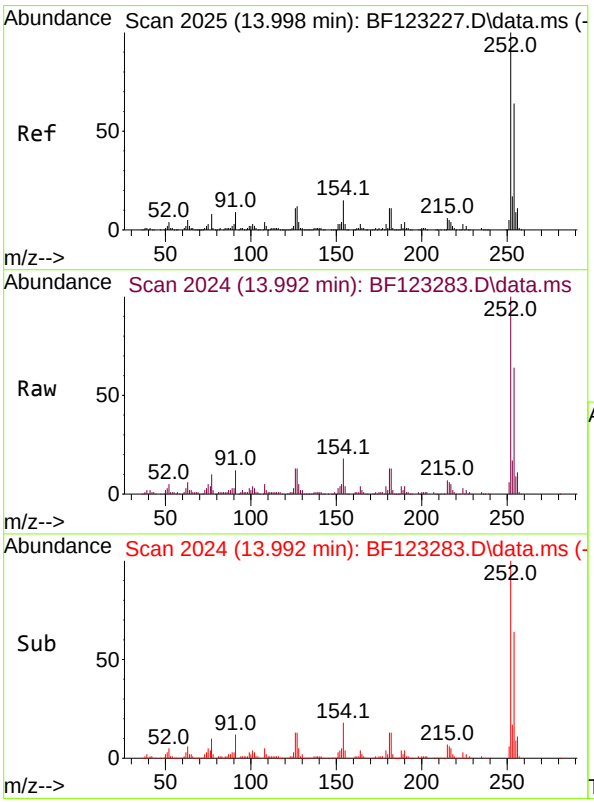


#81
Benzo(a)anthracene
Concen: 43.58 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:228 Resp: 1114224

Ion	Ratio	Lower	Upper
228	100		
226	27.5	23.0	34.4
229	20.1	16.6	24.8

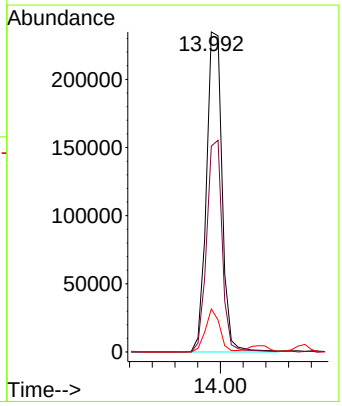


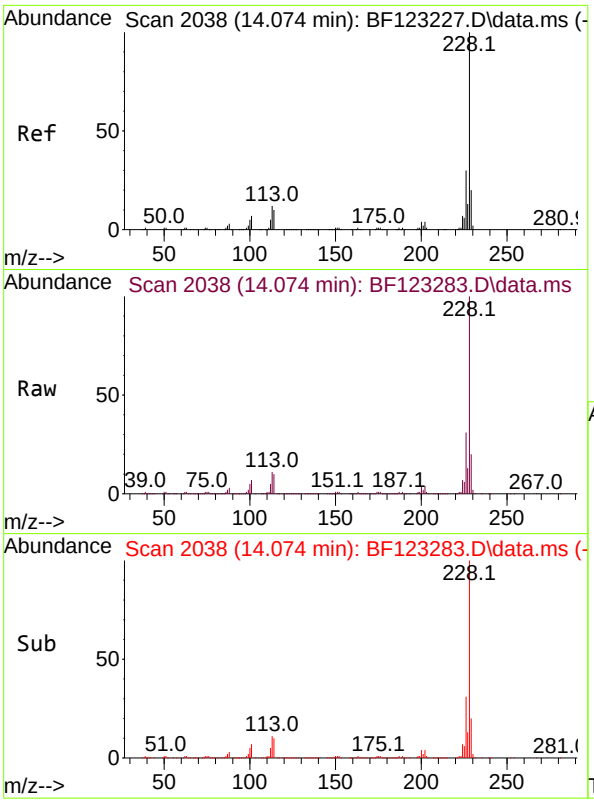


#82
3,3'-Dichlorobenzidine
Concen: 26.43 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:252 Resp: 224635

Ion	Ratio	Lower	Upper
252	100		
254	64.3	52.7	79.1
126	13.5	8.0	12.0#

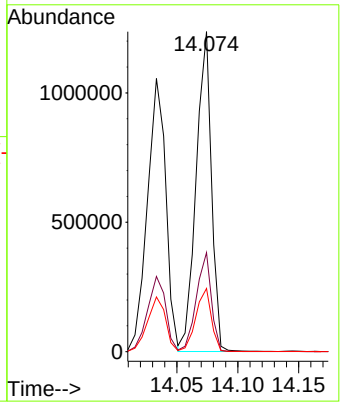




#83
Chrysene
Concen: 42.98 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

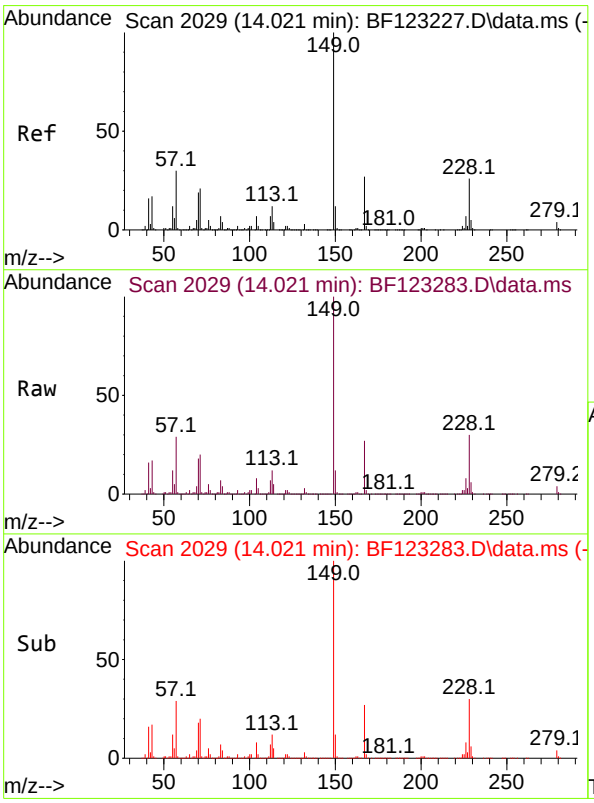
Tgt Ion:228 Resp: 1079284

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.6	36.8
229	19.7	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

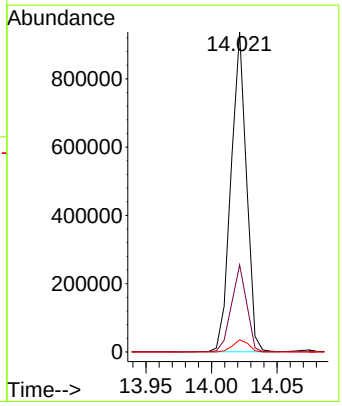
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

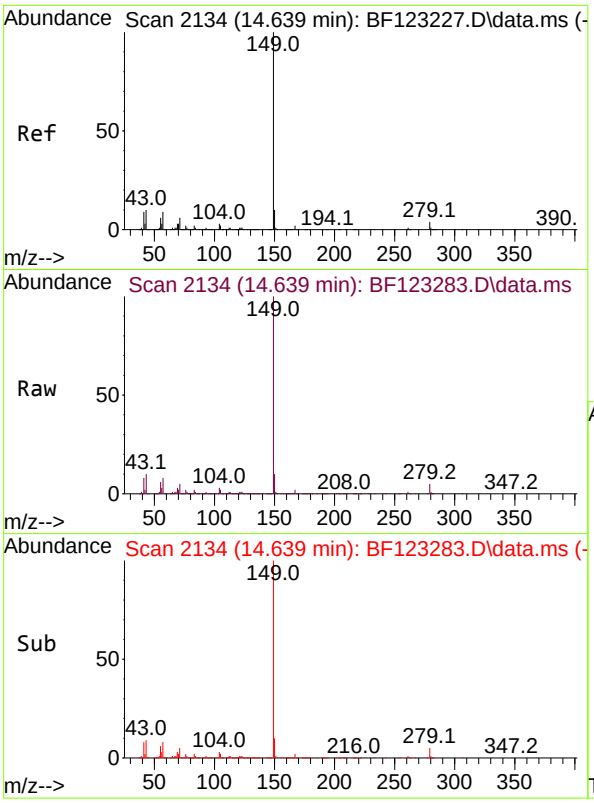


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.97 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:149 Resp: 768629

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.4	32.2
279	3.8	3.4	5.0

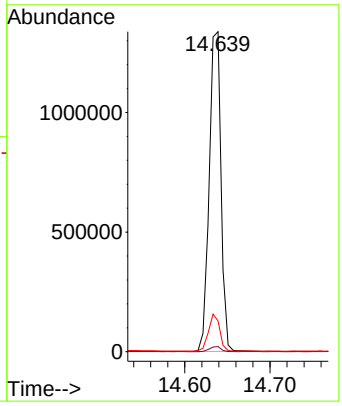


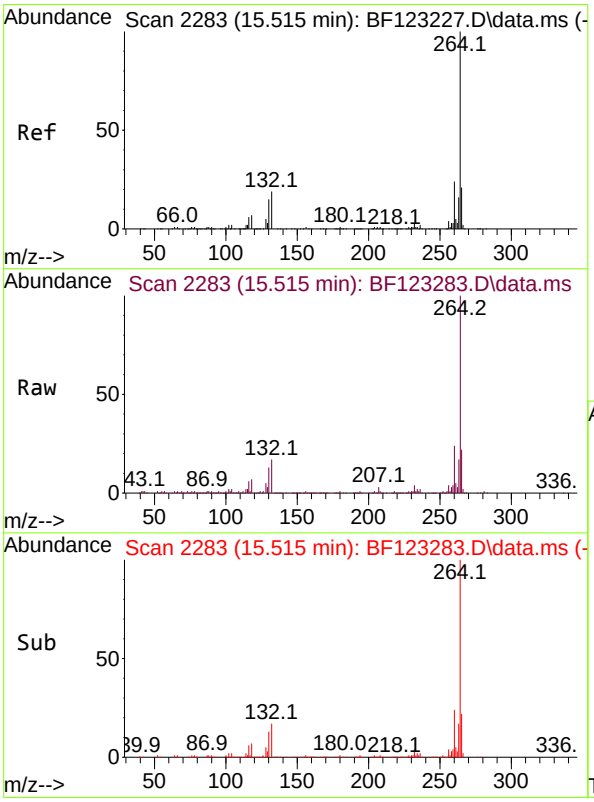


#85
Di-n-octyl phthalate
Concen: 44.12 ng
RT: 14.639 min Scan# 2134
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:149 Resp: 1288563

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.0	7.6	11.4

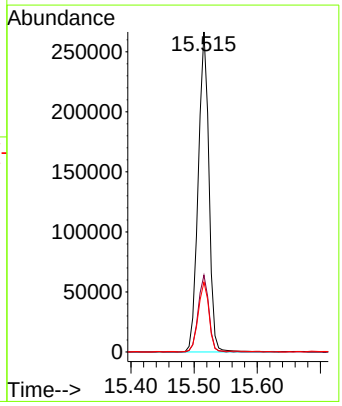




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

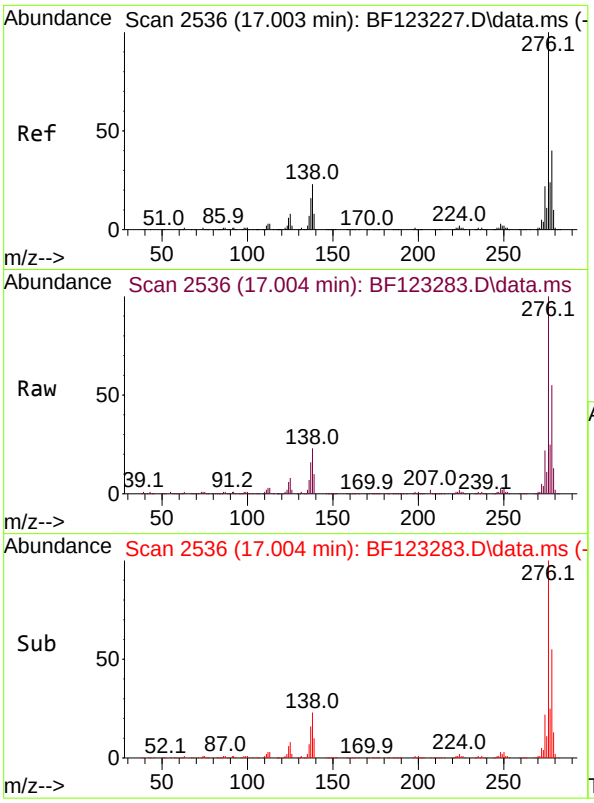
Tgt Ion:264 Resp: 312605

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	28.0
265	21.8	17.0	25.6



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

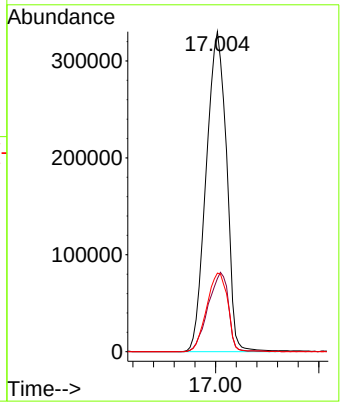
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

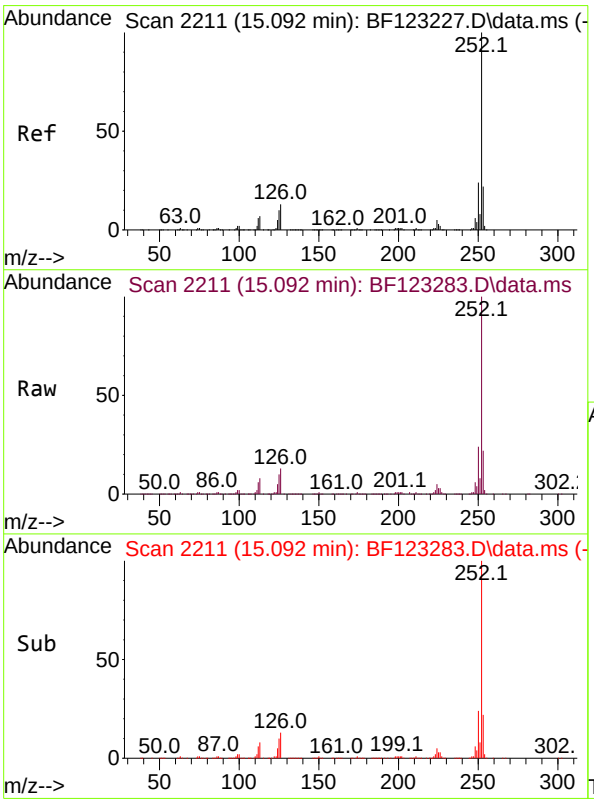


#87
Indeno(1,2,3-cd)pyrene
Concen: 41.70 ng
RT: 17.004 min Scan# 2536
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:276 Resp: 900853

Ion	Ratio	Lower	Upper
276	100		
138	24.9	18.7	28.1
277	25.5	20.2	30.4

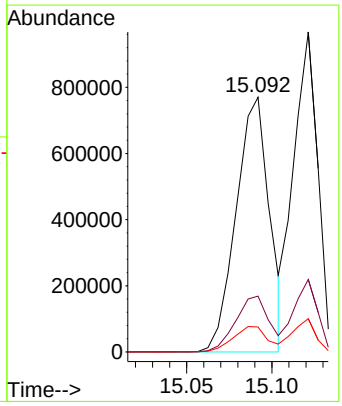




#88
Benzo(b)fluoranthene
Concen: 47.62 ng
RT: 15.092 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

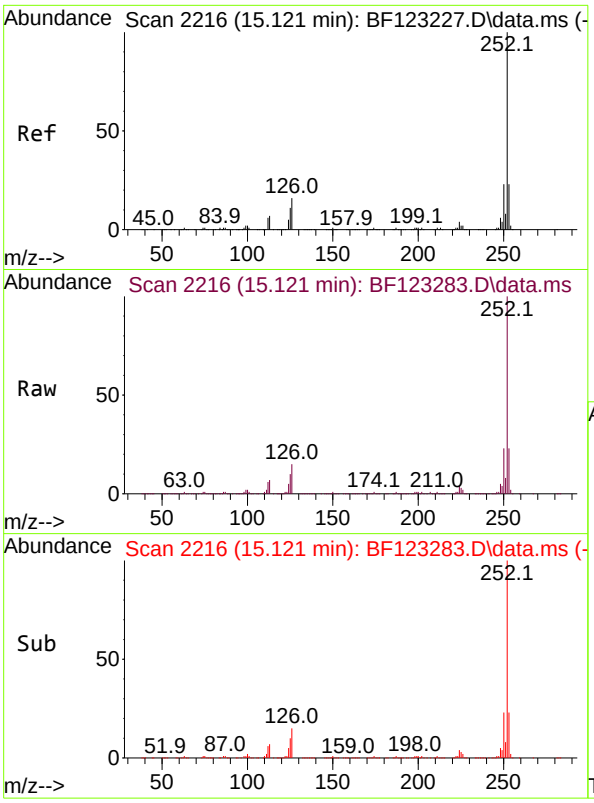
Tgt Ion:252 Resp: 1045575

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.3	27.5
125	9.8	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

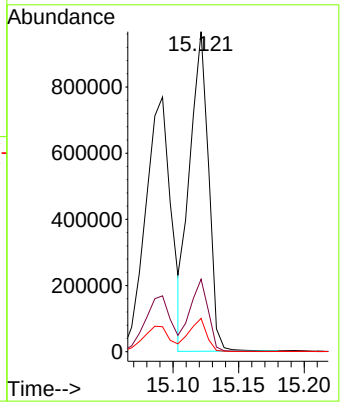
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

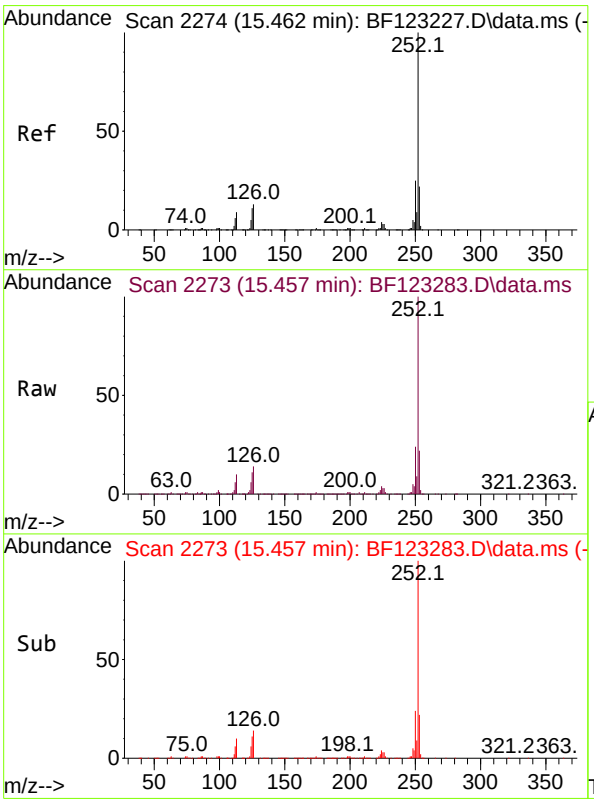


#89
Benzo(k)fluoranthene
Concen: 48.28 ng
RT: 15.121 min Scan# 2216
Delta R.T. 0.000 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:252 Resp: 960987

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	10.4	8.4	12.6

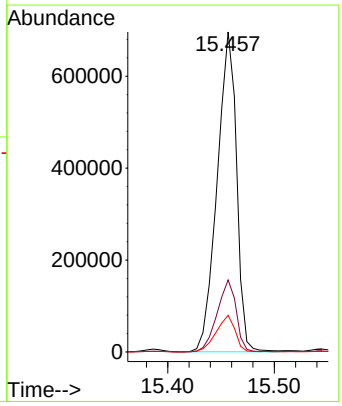




#90
Benzo(a)pyrene
Concen: 44.92 ng
RT: 15.457 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

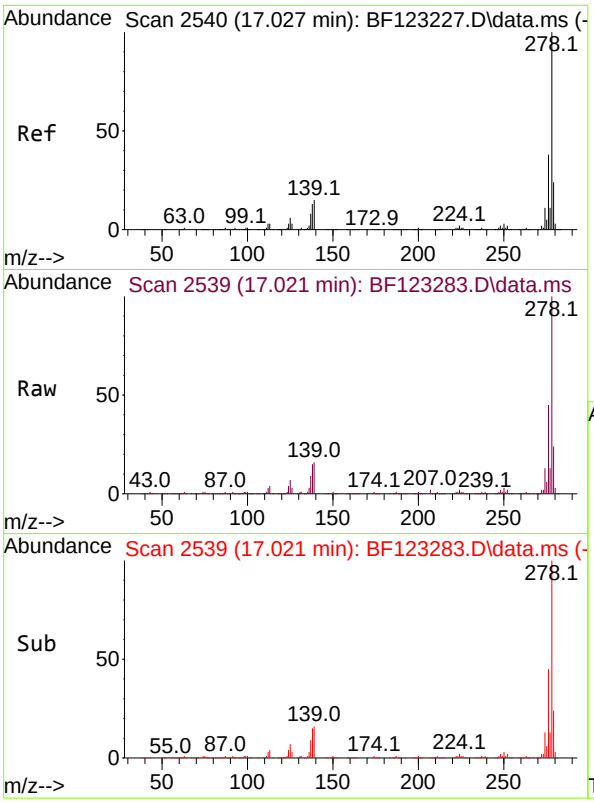
Tgt Ion:252 Resp: 879381

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	11.4	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

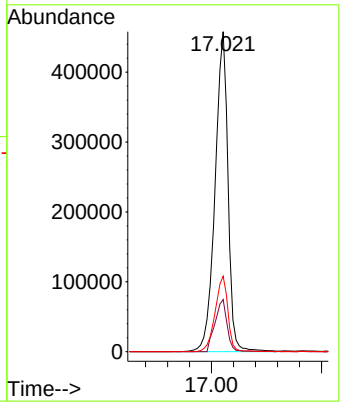
Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM

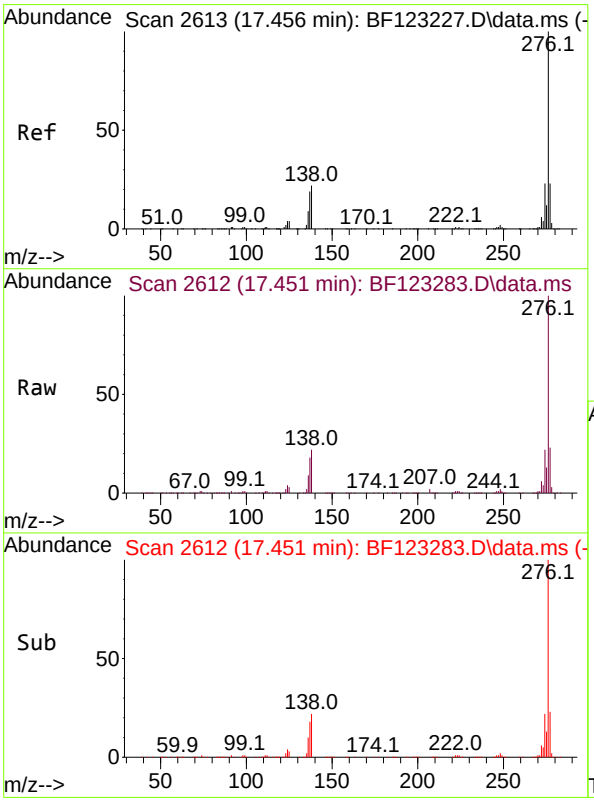


#91
Dibenzo(a,h)anthracene
Concen: 40.38 ng
RT: 17.021 min Scan# 2539
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:278 Resp: 748433

Ion	Ratio	Lower	Upper
278	100		
139	16.3	12.0	18.0
279	23.6	19.4	29.2

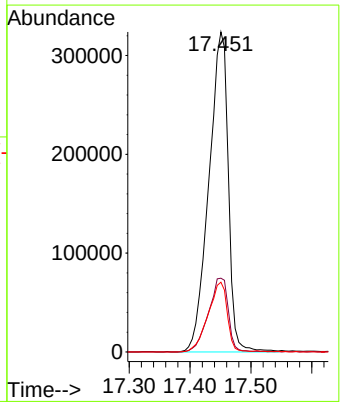




#92
Benzo(g,h,i)perylene
Concen: 42.03 ng
RT: 17.451 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF123283.D
Acq: 23 Feb 2021 16:24

Tgt Ion:276 Resp: 717520

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.3	28.9
138	21.8	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Manual Integrations APPROVED
mohammad
2/24/2021 10:19:35 AM