

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116010.D
 Acq On : 6 Aug 2019 13:55
 Operator : HP/JU
 Sample : K4135-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-A1-A4-COMP-(0-1)

Manual Integrations
 APPROVED

mohammad
 8/7/2019 4:41:47 PM

Quant Time: Aug 07 03:23:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	130437	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	506428	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	263155	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	422559	20.00	ng	-0.02
76) Chrysene-d12	14.01	240	266891	20.00	ng	-0.02
87) Perylene-d12	15.47	264	345329	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	768198	98.59	ng	0.00
7) Phenol-d6	6.47	99	1015345	103.28	ng	-0.01
23) Nitrobenzene-d5	7.40	82	653774	74.52	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	254222	99.64	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1114499	79.33	ng	-0.02
79) Terphenyl-d14	12.95	244	896148	70.75	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.32	88	120	0.030	ng	# 25
6) Aniline	6.62	93	1103	0.078	ng	# 1
9) Benzaldehyde	6.47	77	1732	0.255	ng	# 1
10) Phenol	6.49	94	9277	0.801	ng	# 37
11) bis(2-Chloroethyl)ether	6.62	93	1103	0.130	ng	# 1
15) Benzyl Alcohol	7.00	79	10521	1.410	ng	# 46
24) Nitrobenzene	7.40	77	2000	0.211	ng	# 37
31) Naphthalene	8.15	128	2971	0.125	ng	# 95
33) 4-Chloroaniline	8.15	127	117	0.011	ng	# 13
37) 2-Methylnaphthalene	8.94	142	628	0.040	ng	# 95
38) 1-Methylnaphthalene	8.94	142	628	0.042	ng	# 92
46) 1,1'-Biphenyl	9.30	154	2258	0.122	ng	# 95
47) 2-Chloronaphthalene	9.59	162	339	0.022	ng	# 1
48) 2-Nitroaniline	9.59	65	1079	0.211	ng	# 1
49) Acenaphthylene	9.74	152	831	0.037	ng	# 63
50) Dimethylphthalate	9.59	163	101853	5.684	ng	# 100
51) 2,6-Dinitrotoluene	9.59	165	1196	0.307	ng	# 1
52) Acenaphthene	9.91	154	11112	0.803	ng	# 99
53) 3-Nitroaniline	9.83	138	111	0.023	ng	# 4
55) Dibenzofuran	10.09	168	6736	0.335	ng	# 97
56) 4-Nitrophenol	10.09	139	3003	0.974	ng	# 53
57) 2,4-Dinitrotoluene	10.22	165	1460	0.282	ng	# 23
58) Fluorene	10.43	166	10663	0.689	ng	# 96
59) 2,3,4,6-Tetrachlorophenol	10.35	232	114	0.027	ng	# 1
60) Diethylphthalate	10.29	149	4764	0.285	ng	# 80
61) 4-Chlorophenyl-phenylether	10.39	204	111	0.014	ng	# 37
62) 4-Nitroaniline	10.33	138	2108	0.424	ng	# 91
63) Azobenzene	10.57	77	340	0.020	ng	# 47
65) 4,6-Dinitro-2-methylphenol	10.66	198	563	0.251	ng	# 1
66) n-Nitrosodiphenylamine	10.53	169	2177	0.171	ng	# 77
67) 4-Bromophenyl-phenylether	10.90	248	593	0.131	ng	# 1
69) Atrazine	11.06	200	115	0.027	ng	# 1
71) Phenanthrene	11.39	178	201208	9.314	ng	# 98
72) Anthracene	11.44	178	63978m	2.926	ng	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

73) Carbazole	11.60	167	13413	0.676	nq	# 52
74) Di-n-butylphthalate	11.91	149	11145	0.482	nq	# 28
75) Fluoranthene	12.58	202	335664	14.842	nq	97
77) Benzidine	12.73	184	1671	0.185	nq	# 1
78) Pyrene	12.81	202	310280m	15.423	nq	
80) Butylbenzylphthalate	13.53	149	1402	0.165	nq	# 39
81) Benzo(a)anthracene	14.00	228	157343	9.224	nq	96
82) 3,3'-Dichlorobenzidine	13.95	252	309	0.052	nq	# 20
83) Chrysene	14.03	228	130785	7.897	nq	97
84) Bis(2-ethylhexyl)phthalate	13.97	149	5705	0.516	nq	# 71
86) Indeno(1,2,3-cd)pyrene	16.93	276	93721	6.738	nq	95
88) Benzo(b)fluoranthene	15.04	252	191420m	9.587	nq	
89) Benzo(k)fluoranthene	15.07	252	59682m	3.069	nq	
90) Benzo(a)pyrene	15.41	252	138193	7.742	nq	98
91) Dibenzo(a,h)anthracene	16.93	278	22127	1.432	nq	# 77
92) Benzo(g,h,i)perylene	17.37	276	89102	5.872	nq	99

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

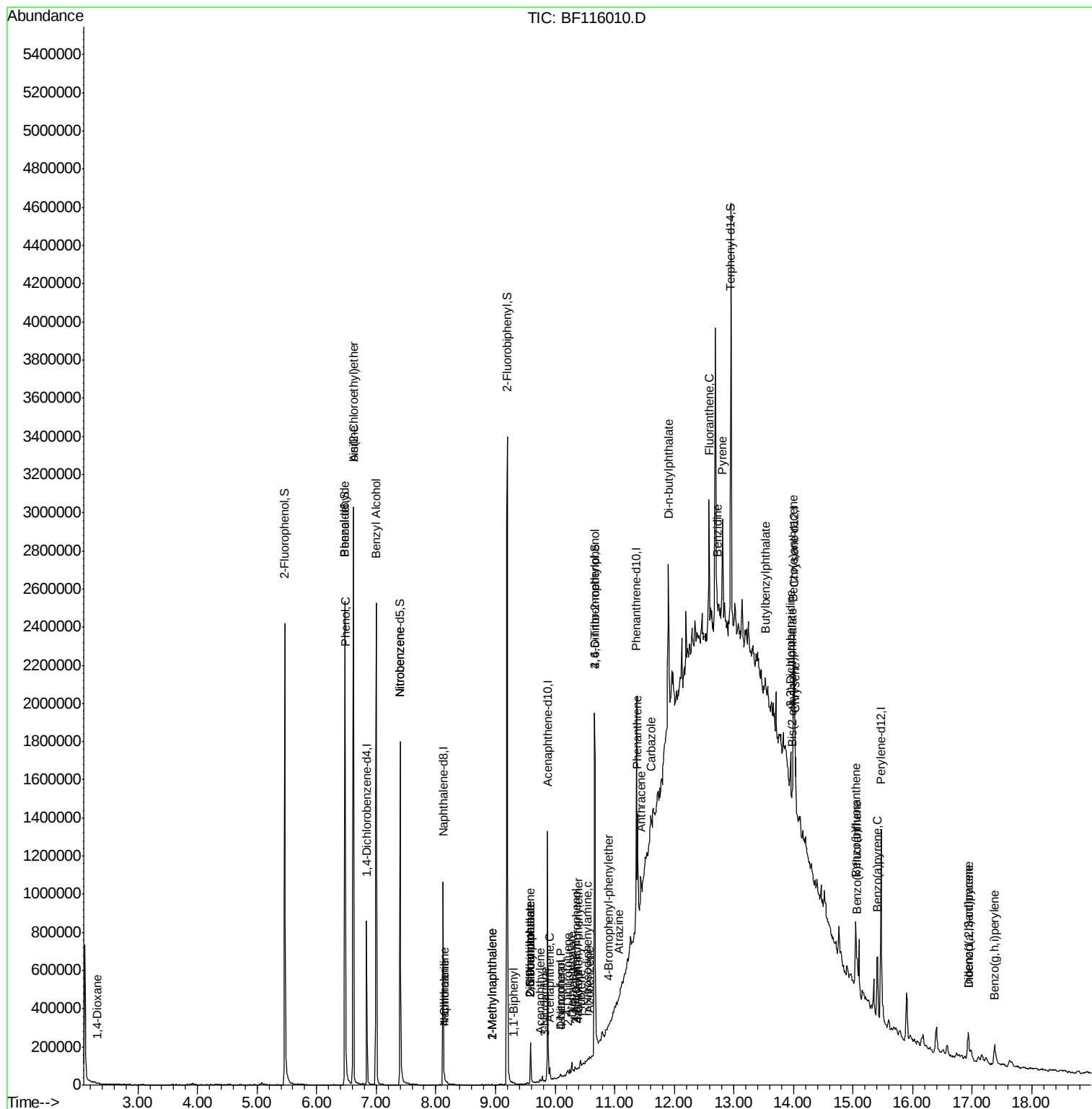
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#1

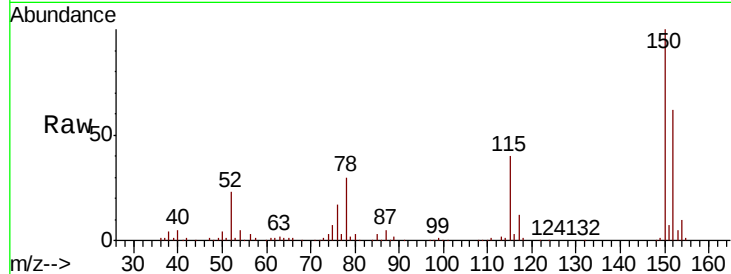
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	127.4	191.0
115	64.9	51.8	77.8

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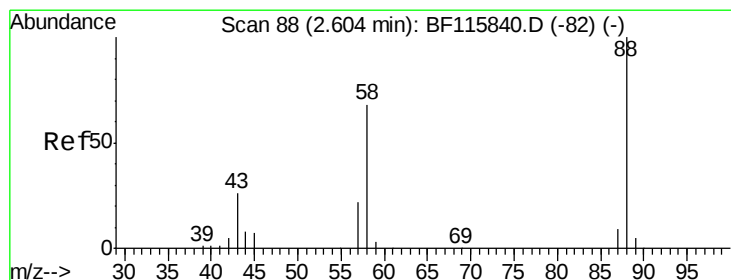
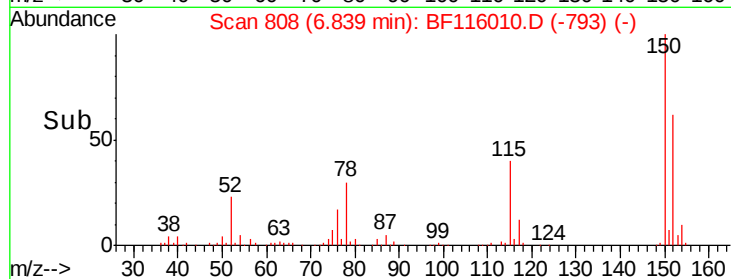
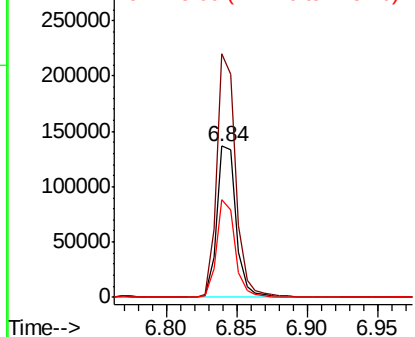


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

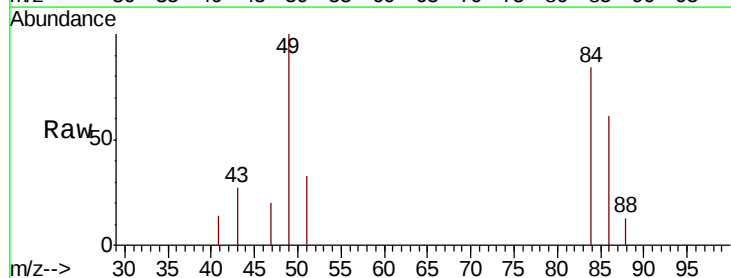
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 0.030 ng
RT: 2.32 min Scan# 39
Delta R.T. -0.29 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	54.1	81.1#
43	0.0	20.7	31.1#

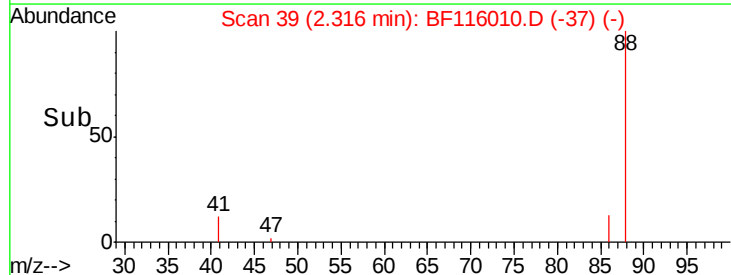
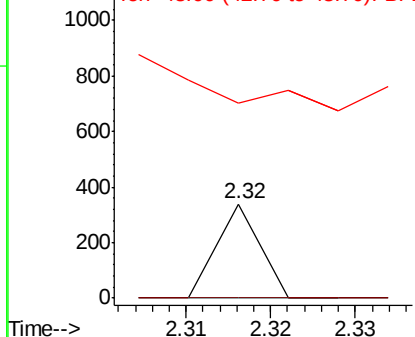


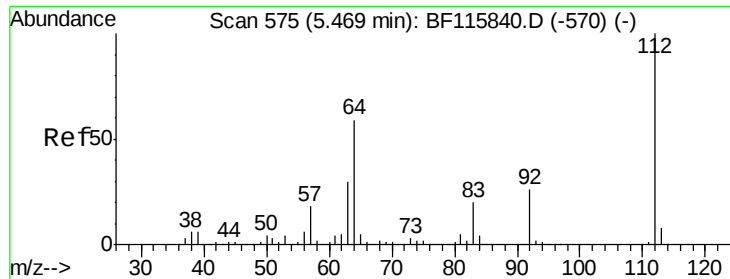
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 98.592 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.00 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

Instrument :

BNA_F

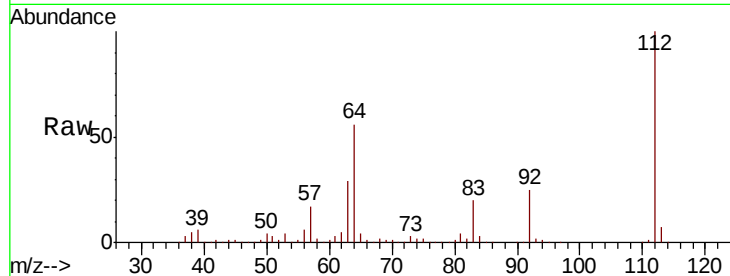
ClientSampleId :

1S-A1-A4-COMP-(0-1)

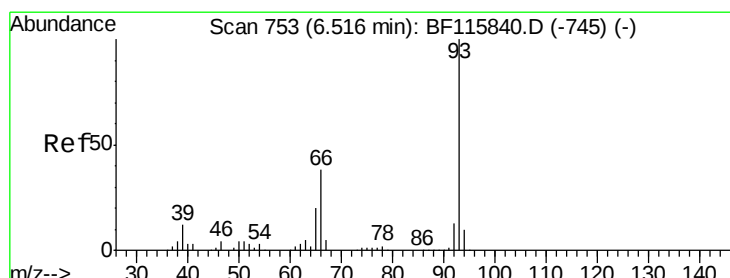
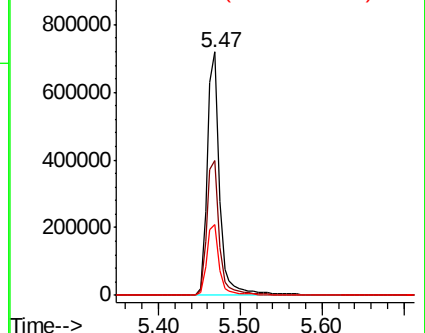
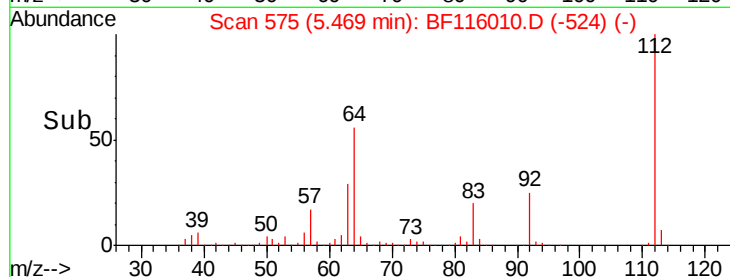
Tot Ion:	112	Resp:	768198
Ion Ratio	Lower	Upper	
112	100		
64	55.6	46.8	70.2
63	29.2	24.2	36.2

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Abundance Ion 112.00 (111.70 to 112.70): BF116010.D (-524) (-)



#6

Aniline

Concen: 0.078 ng

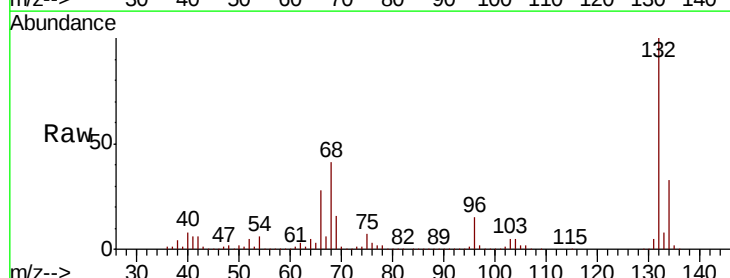
RT: 6.62 min Scan# 770

Delta R.T. 0.10 min

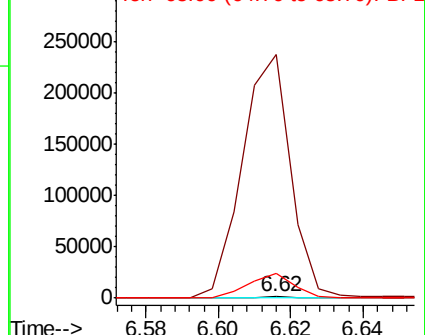
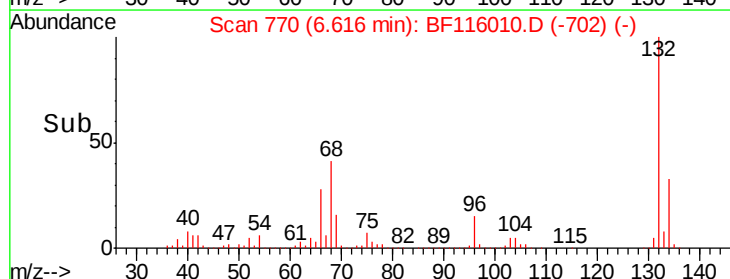
Lab File: BF116010.D

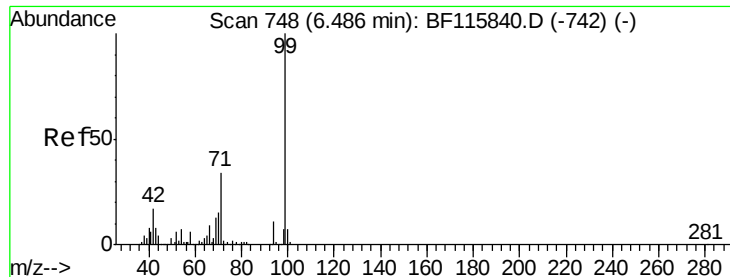
Acq: 6 Aug 2019 13:55

Tgt Ion:	93	Resp:	1103
Ion Ratio	Lower	Upper	
93	100		
66	18327.3	31.4	47.0#
65	1857.0	16.5	24.7#



Abundance Ion 93.00 (92.70 to 93.70): BF116010.D (-702) (-)





#7

Phenol-d6

Concen: 103.285 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

Instrument :

BNA_F

ClientSampleId :

1S-A1-A4-COMP-(0-1)

Tot Ion: 99 Resp: 1015345

Ion Ratio Lower Upper

99 100

42 17.3 13.8 20.6

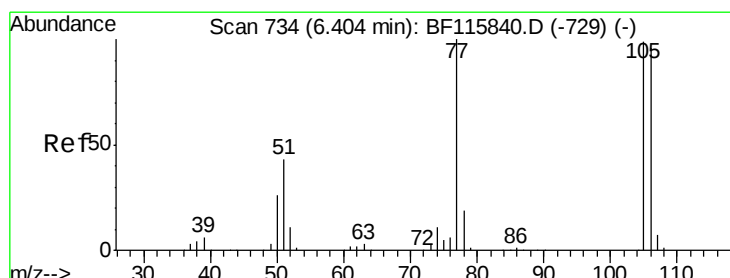
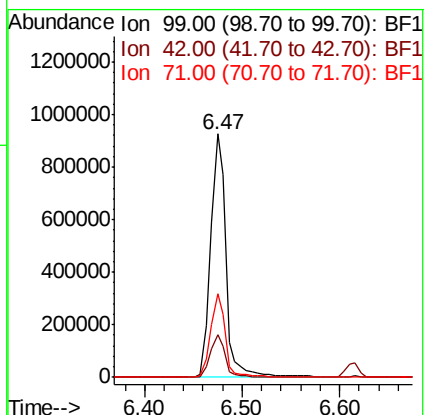
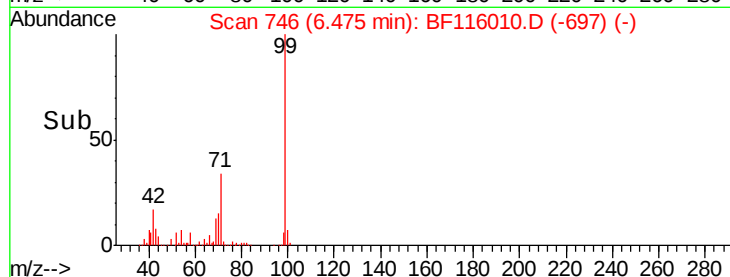
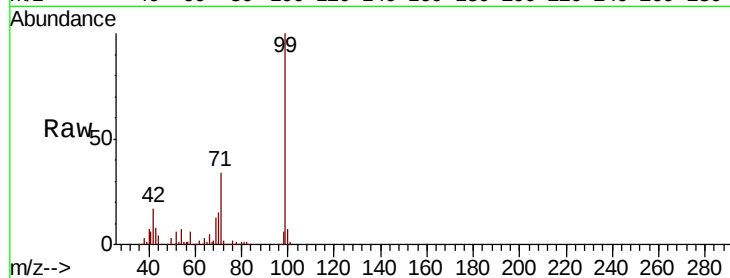
71 34.4 27.1 40.7

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#9

Benzaldehyde

Concen: 0.255 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.07 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

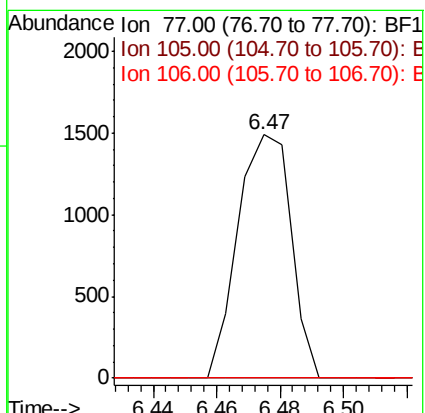
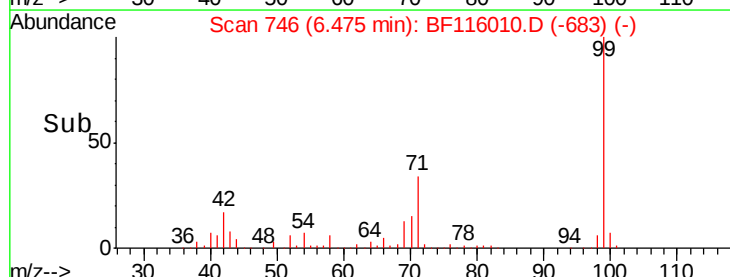
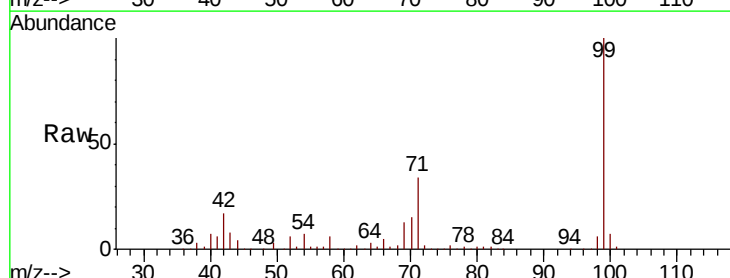
Tgt Ion: 77 Resp: 1732

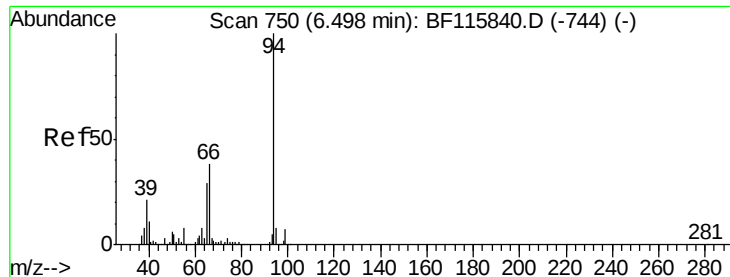
Ion Ratio Lower Upper

77 100

105 0.0 79.0 119.0#

106 0.0 76.2 116.2#





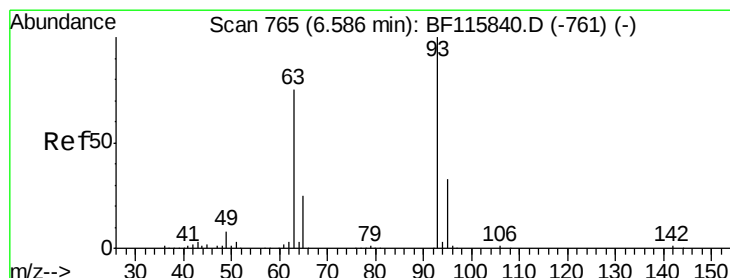
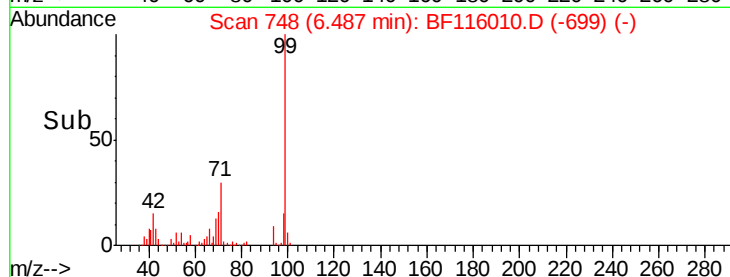
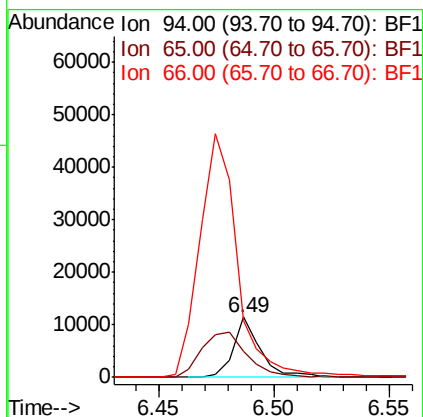
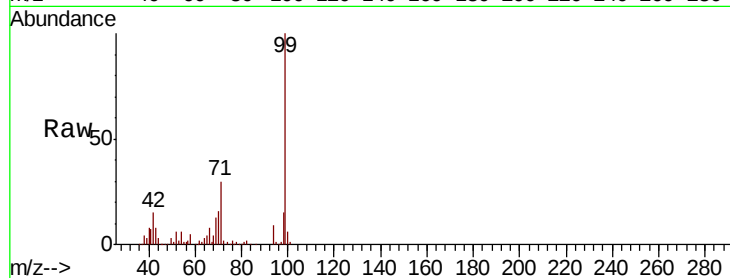
#10
Phenol
Concen: 0.801 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
94	100		
65	42.0	8.9	48.9
66	93.3	18.0	58.0#

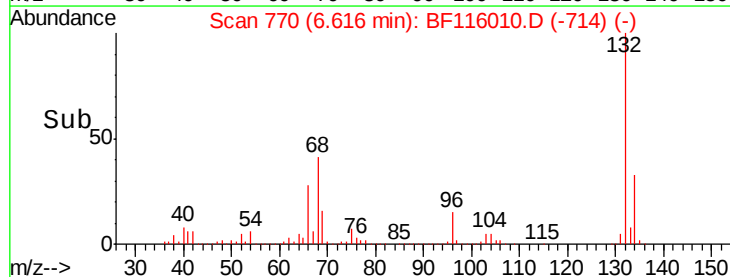
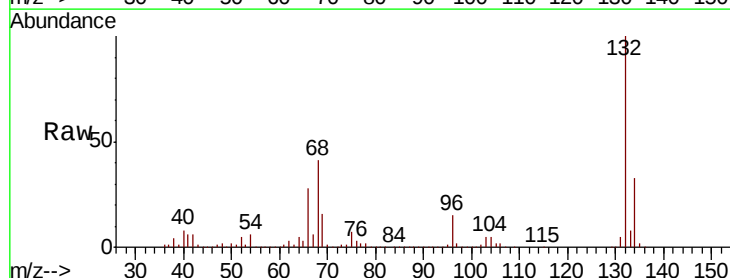
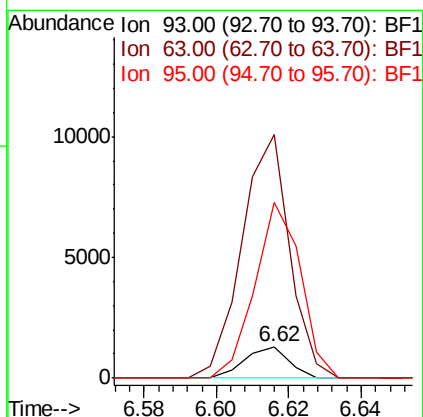
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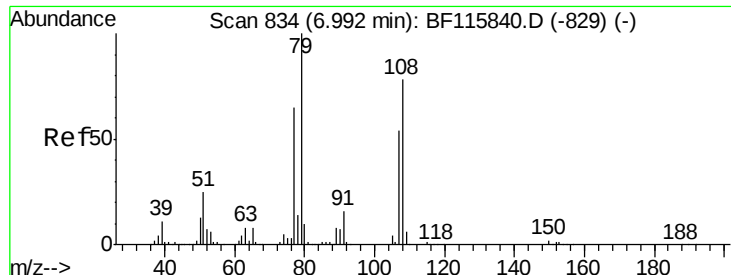
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#11
bis(2-Chloroethyl)ether
Concen: 0.130 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.03 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
93	100		
63	777.1	54.9	94.9#
95	561.9	13.3	53.3#





#15

Benzyl Alcohol

Concen: 1.410 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.01 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

Instrument :

BNA_F

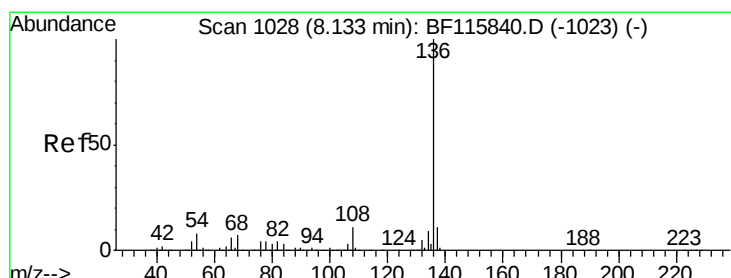
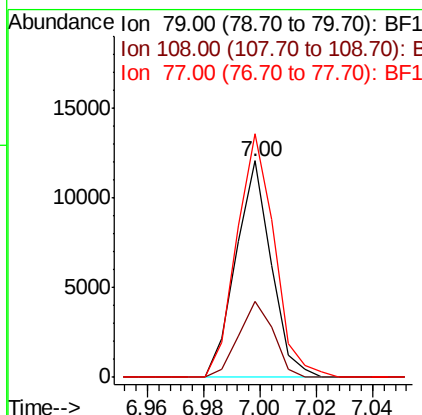
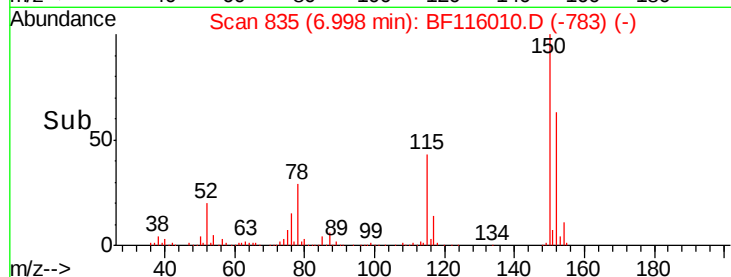
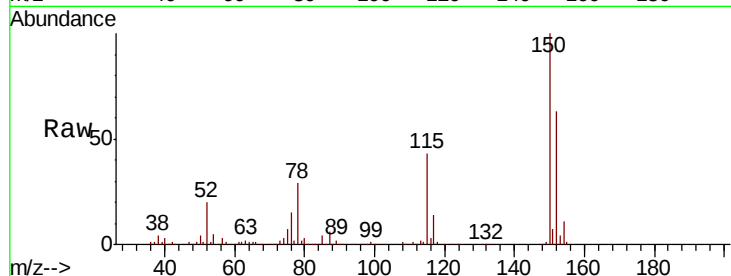
ClientSampleId :

1S-A1-A4-COMP-(0-1)

Tot Ion:	79	Resp:	10521
Ion Ratio	Lower	Upper	
79	100		
108	35.0	62.8	94.2#
77	112.4	52.0	78.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

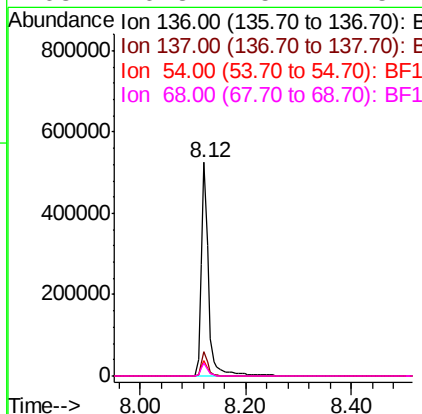
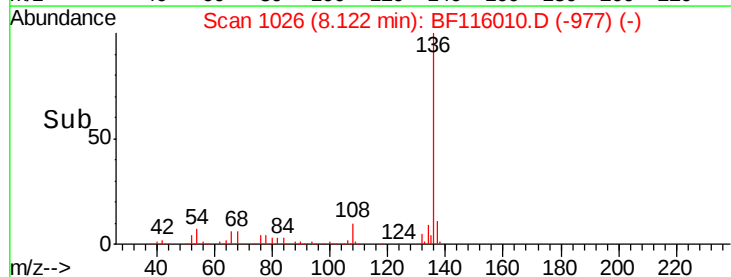
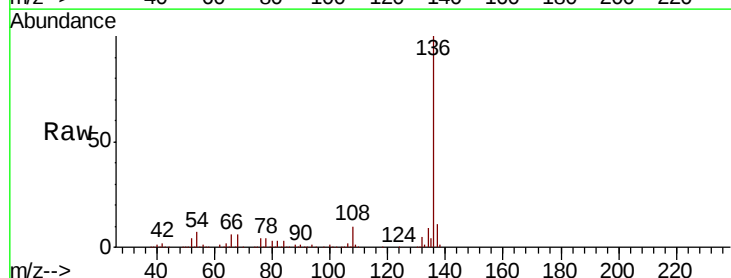
RT: 8.12 min Scan# 1026

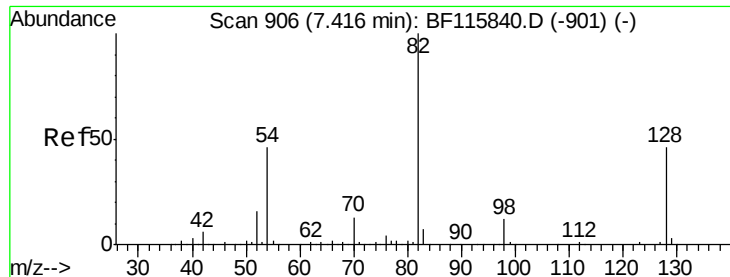
Delta R.T. -0.01 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

Tgt Ion:	136	Resp:	506428
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	7.3	6.1	9.1
68	6.3	5.4	8.2





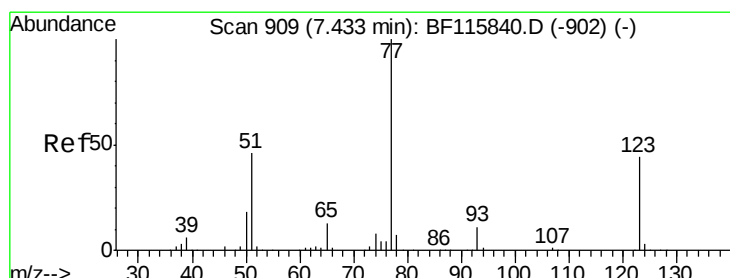
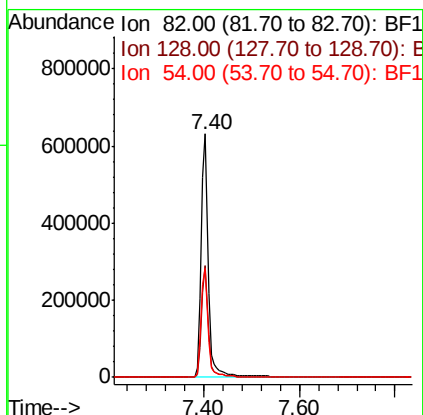
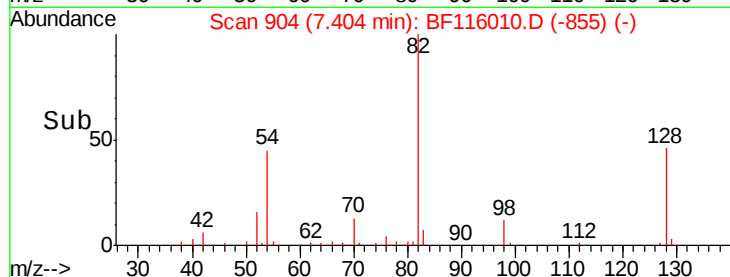
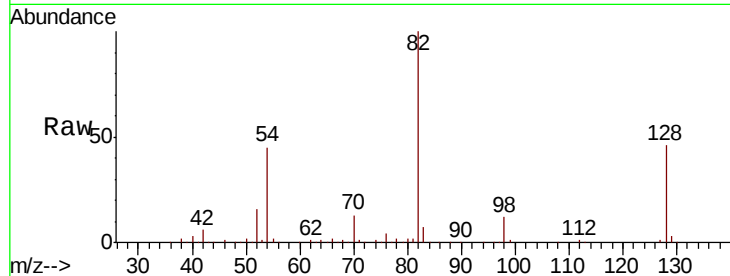
#23
Nitrobenzene-d5
Concen: 74.518 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.6	55.0
54	45.0	36.6	55.0

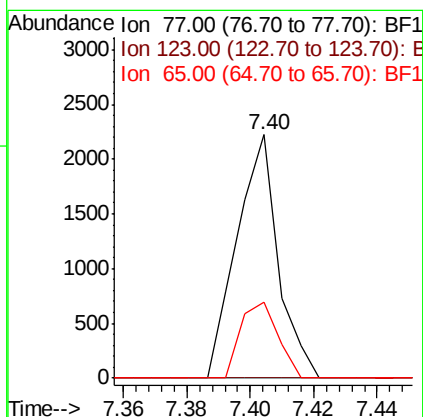
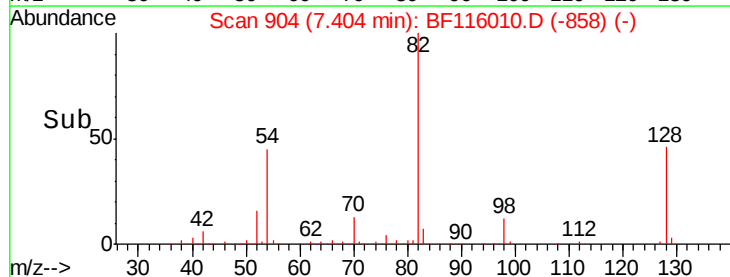
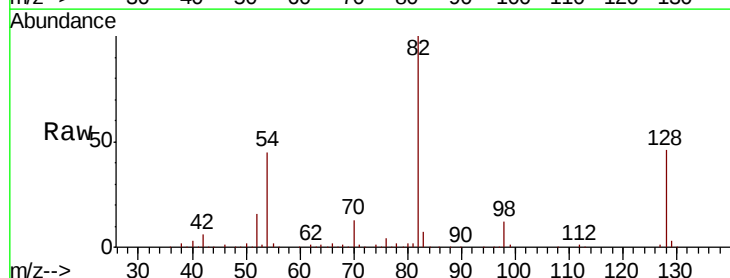
Manual Integrations
APPROVED

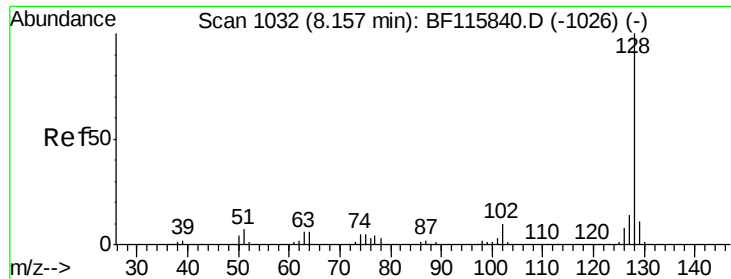
mohammad
8/7/2019 4:41:47 PM



#24
Nitrobenzene
Concen: 0.211 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.03 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	35.5	53.3#
65	31.1	10.6	15.8#





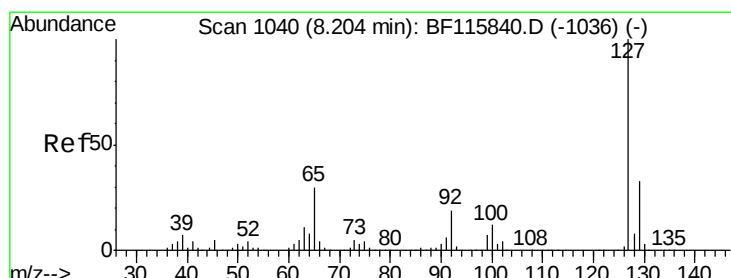
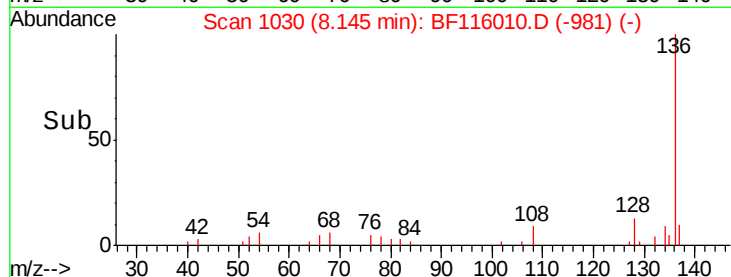
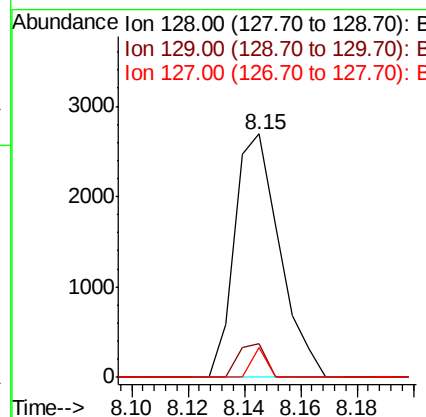
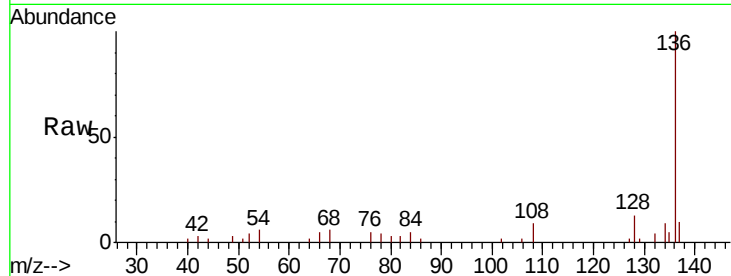
#31
Naphthalene
Concen: 0.125 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.8	9.2	13.8
127	12.3	11.0	16.4

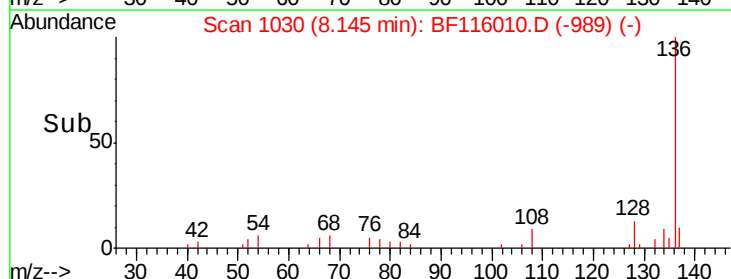
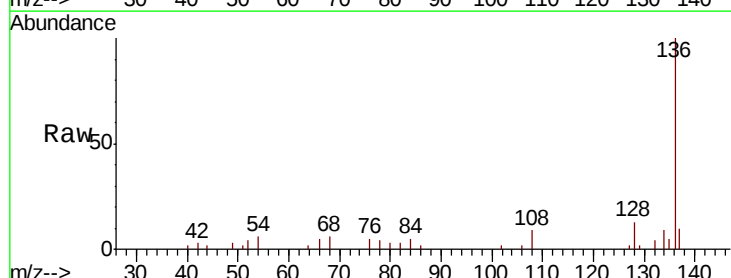
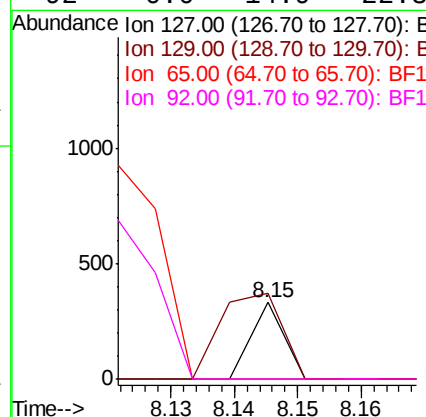
Manual Integrations
APPROVED

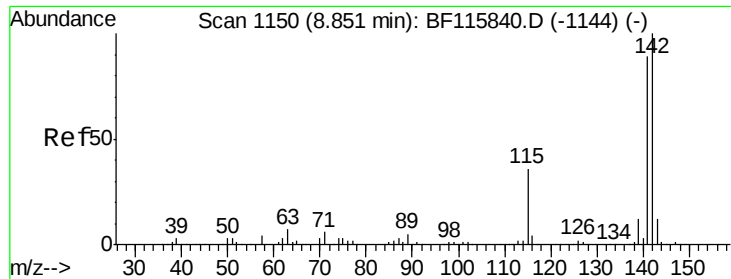
mohammad
8/7/2019 4:41:47 PM



#33
4-Chloroaniline
Concen: 0.011 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.06 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
127	100		
129	111.7	26.0	39.0#
65	0.0	23.9	35.9#
92	0.0	14.9	22.3#





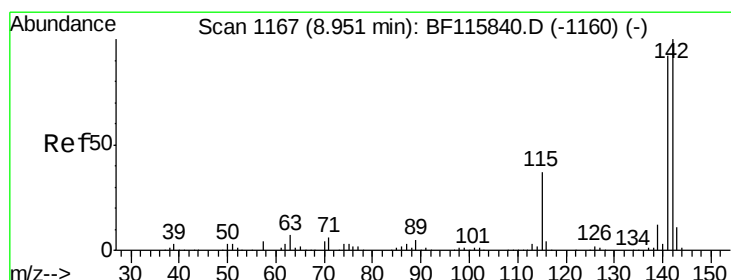
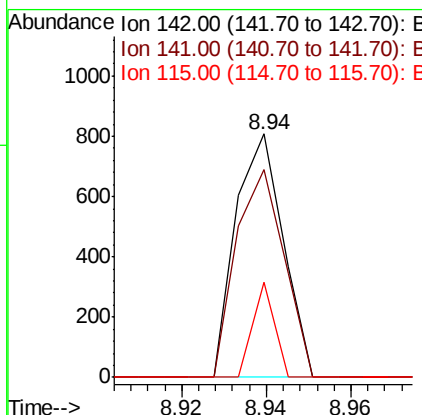
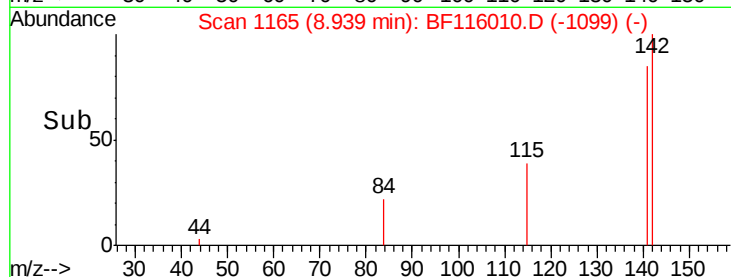
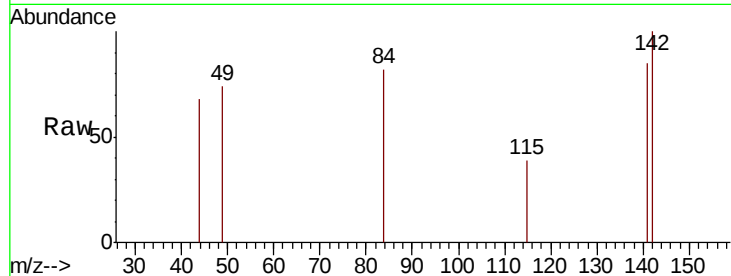
#37
2-Methylnaphthalene
Concen: 0.040 ng
RT: 8.94 min Scan# 1165
Delta R.T. 0.09 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion:142 Resp: 628
Ion Ratio Lower Upper
142 100
141 85.1 71.4 107.2
115 39.2 28.9 43.3

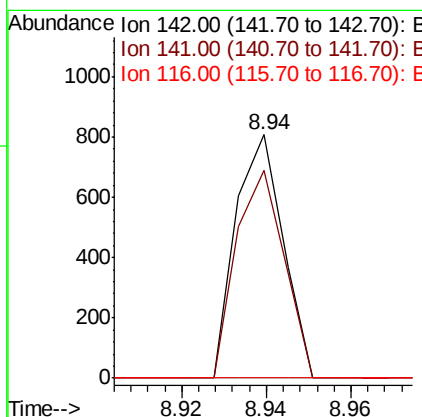
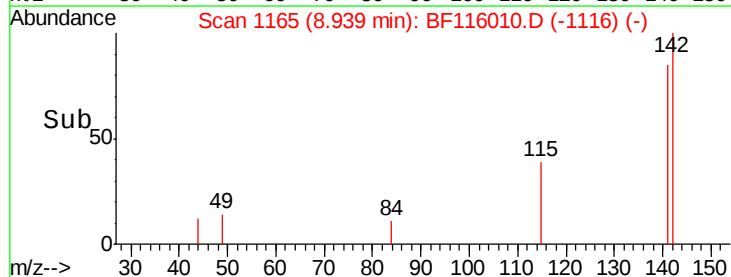
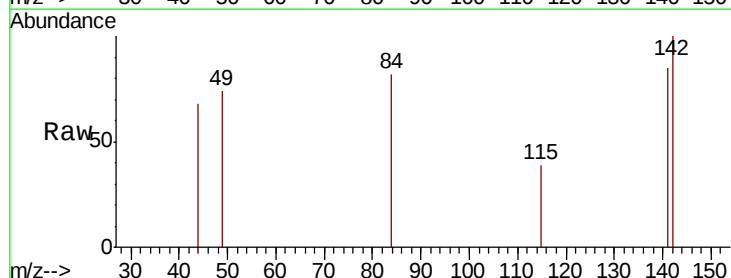
Manual Integrations
APPROVED

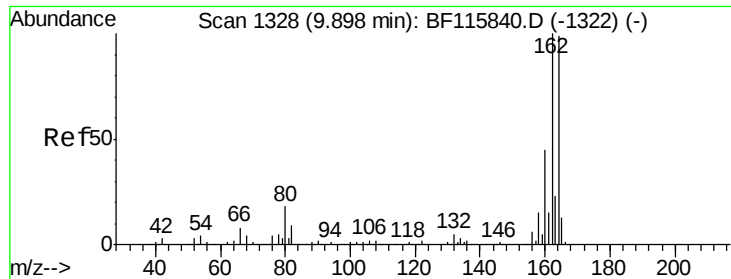
mohammad
8/7/2019 4:41:47 PM



#38
1-Methylnaphthalene
Concen: 0.042 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion:142 Resp: 628
Ion Ratio Lower Upper
142 100
141 85.1 73.8 110.6
116 0.0 3.1 4.7#





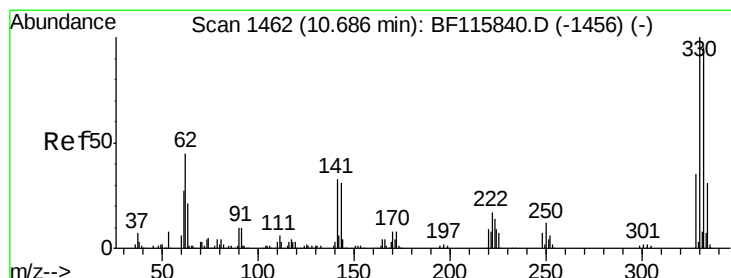
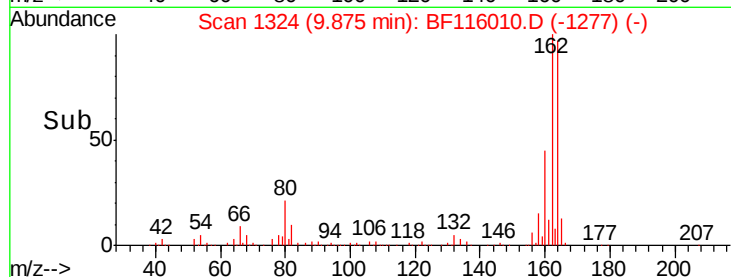
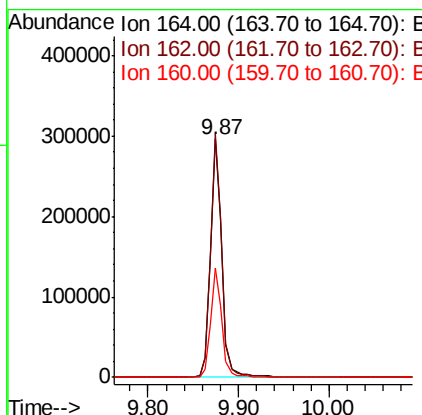
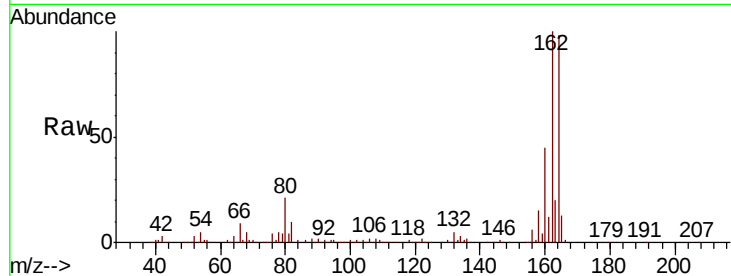
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.2	80.8	121.2	
160	45.6	36.2	54.4	

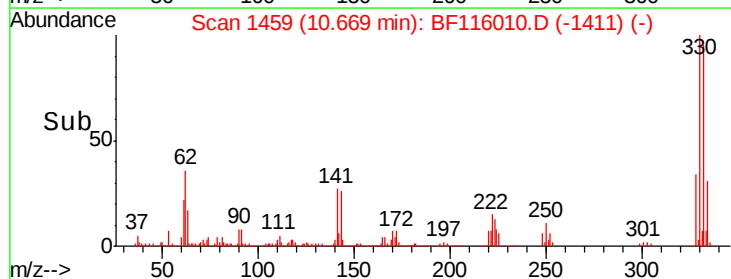
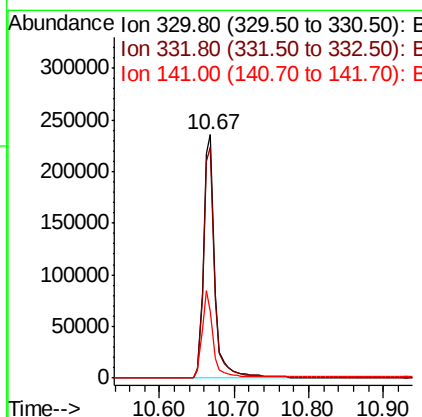
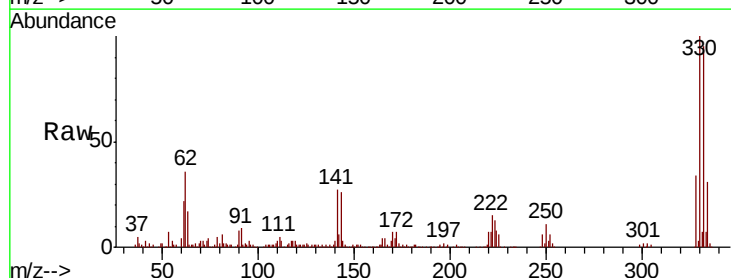
Manual Integrations
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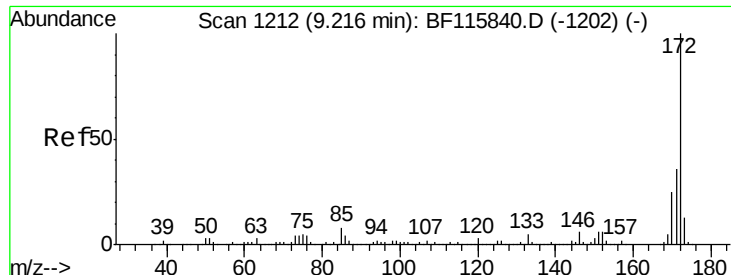
mohammad
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#42
2,4,6-Tribromophenol
Concen: 99.642 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.3	77.7	116.5	
141	34.7	28.1	42.1	





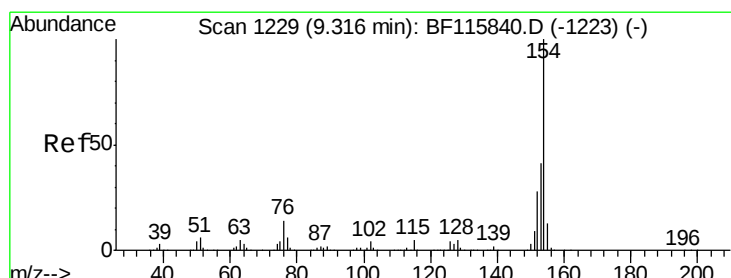
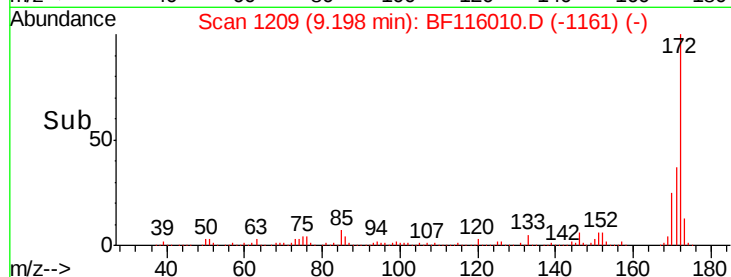
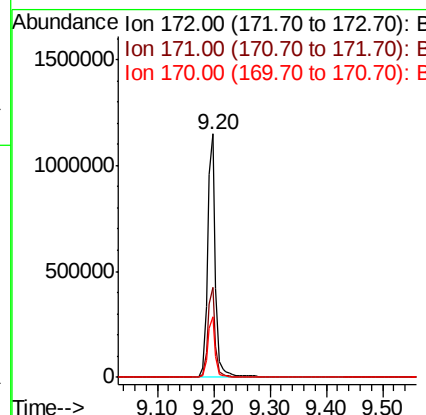
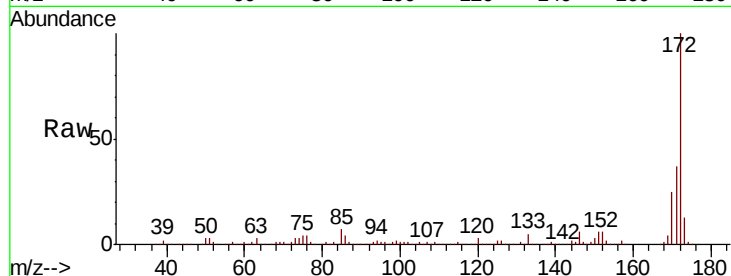
#45
2-Fluorobiphenyl
Concen: 79.327 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.1	43.7
170	24.7	20.1	30.1

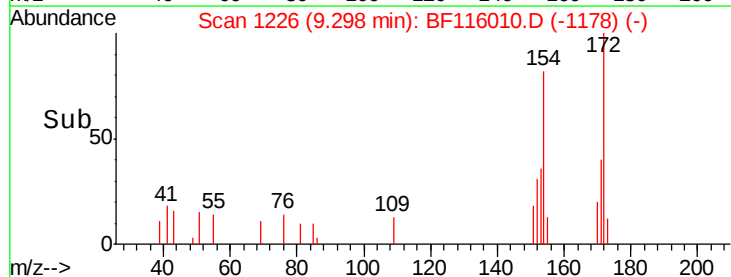
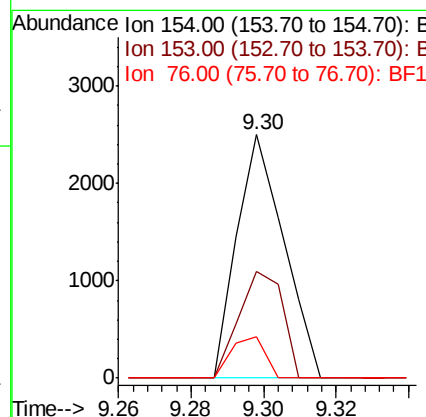
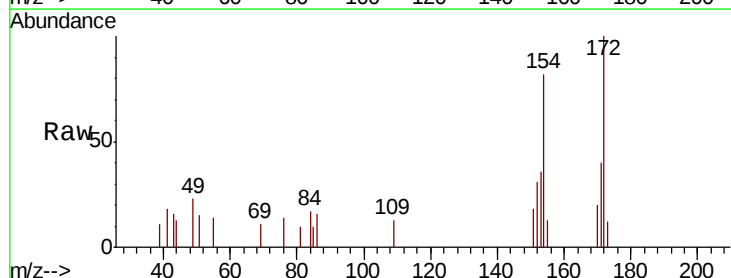
Manual Integrations
APPROVED

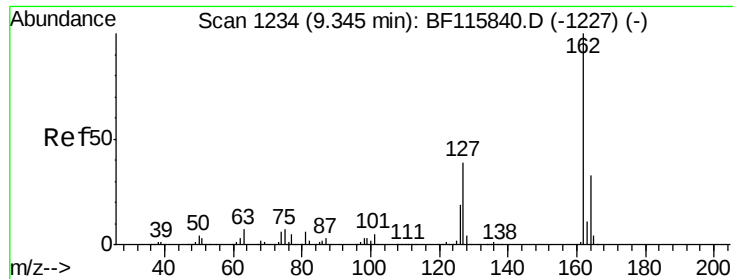
mohammad
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#46
1,1'-Biphenyl
Concen: 0.122 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.8	20.9	60.9
76	16.7	0.0	34.3





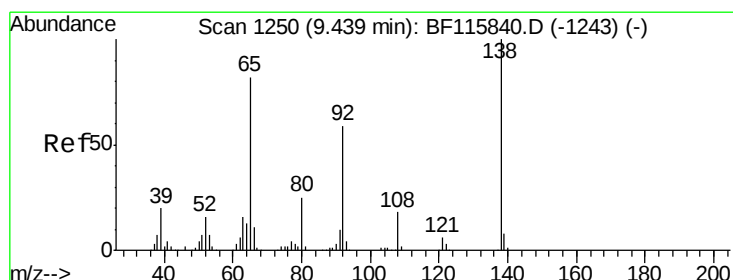
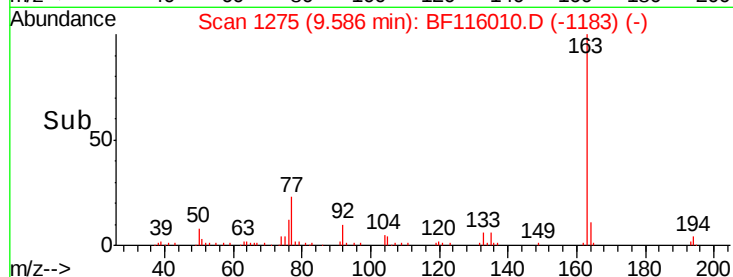
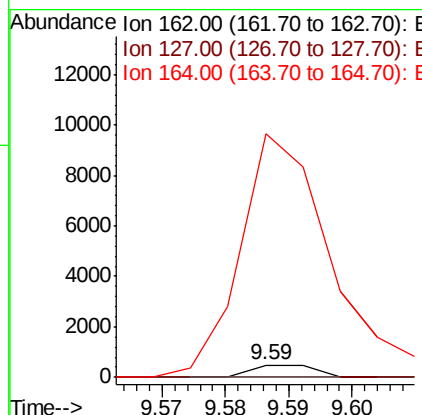
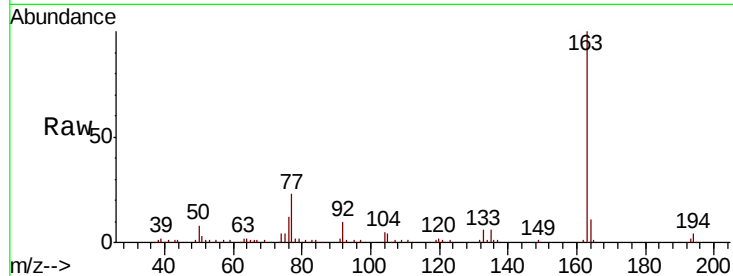
#47
2-Chloronaphthalene
Concen: 0.022 ng
RT: 9.59 min Scan# 1275
Delta R.T. 0.24 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion: 162 Resp: 339
Ion Ratio Lower Upper
162 100
127 0.0 31.3 46.9#
164 1970.0 26.6 40.0#

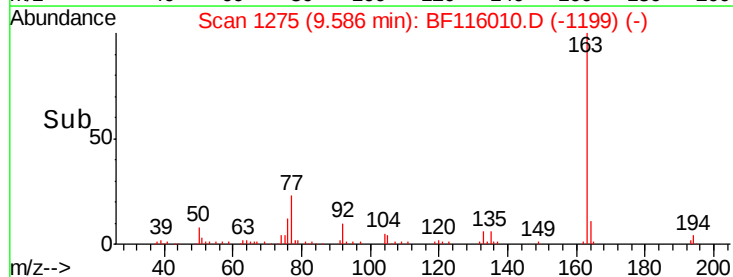
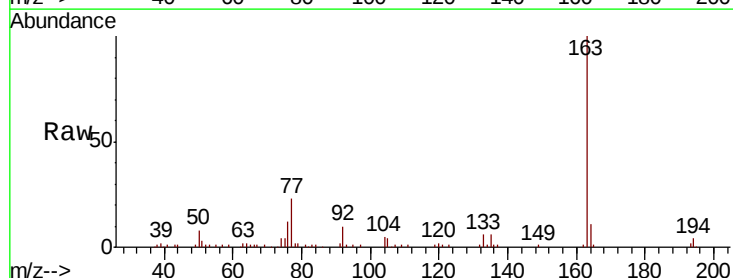
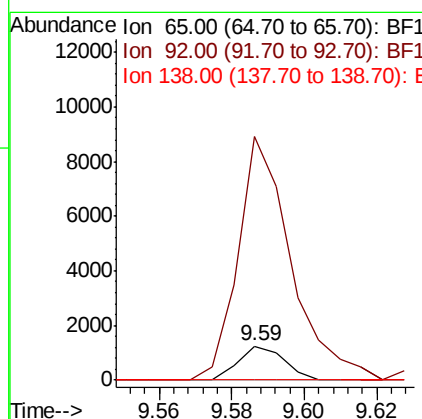
Manual Integrations
APPROVED

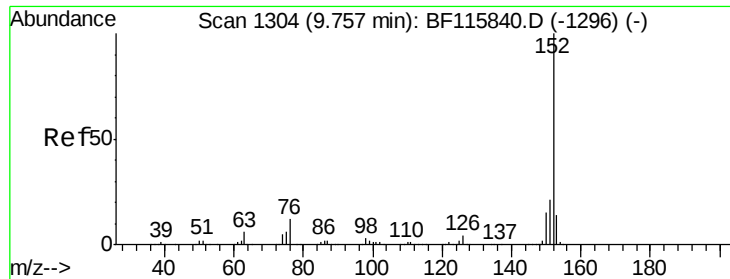
mohammad
8/7/2019 4:41:47 PM



#48
2-Nitroaniline
Concen: 0.211 ng
RT: 9.59 min Scan# 1275
Delta R.T. 0.15 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion: 65 Resp: 1079
Ion Ratio Lower Upper
65 100
92 714.1 57.1 85.7#
138 0.0 97.1 145.7#





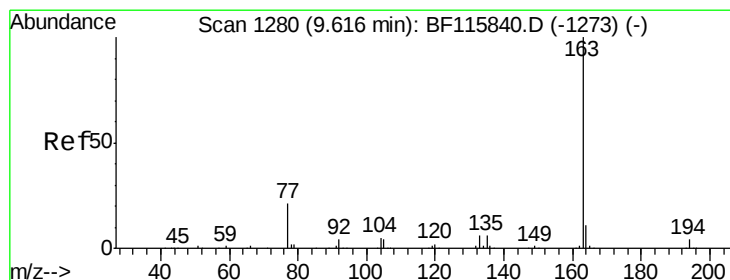
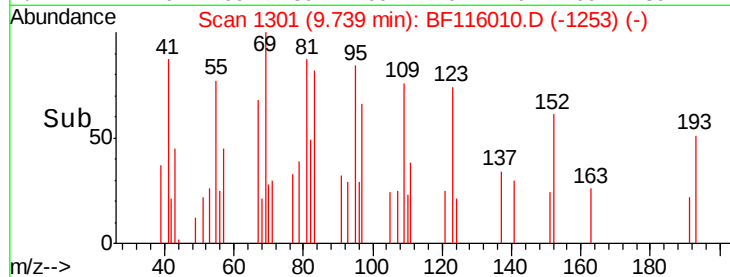
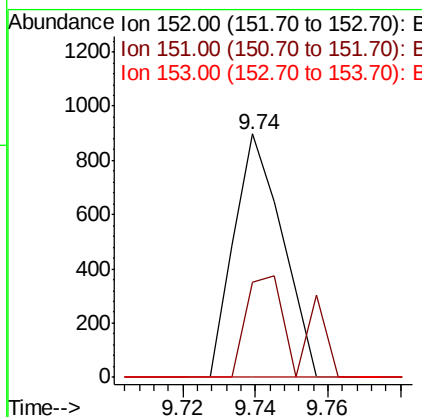
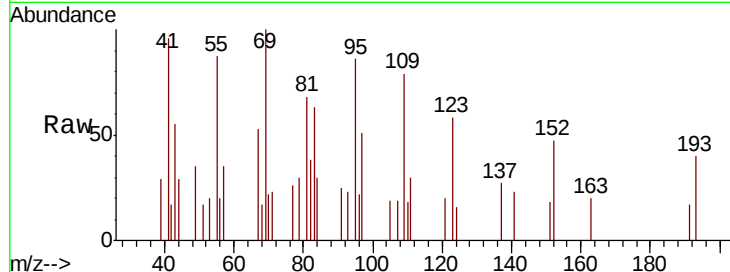
#49
Acenaphthylene
Concen: 0.037 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
151	38.9	16.8	25.2#
153	0.0	11.6	17.4#

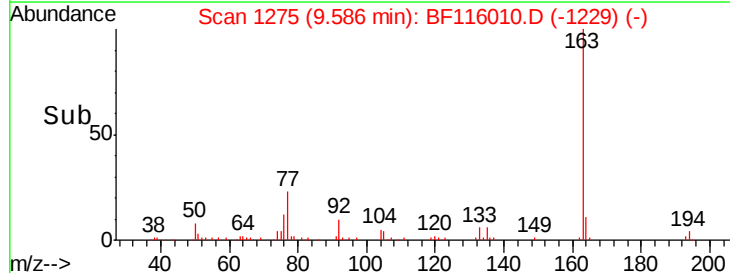
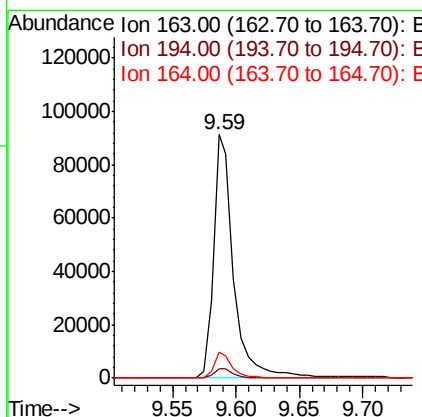
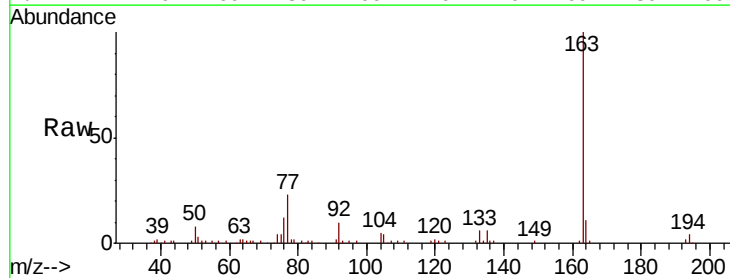
Manual Integrations
APPROVED

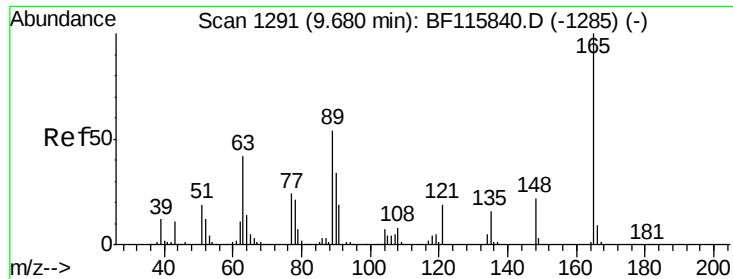
mohammad
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#50
Dimethylphthalate
Concen: 5.684 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.03 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.6
164	10.6	8.4	12.6





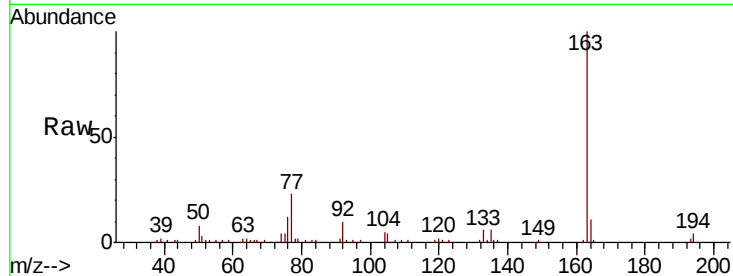
#51
 2,6-Dinitrotoluene
 Concen: 0.307 ng
 RT: 9.59 min Scan# 1275
 Delta R.T. -0.09 min
 Lab File: BF116010.D
 Acq: 6 Aug 2019 13:55

Instrument :
 BNA_F
 ClientSampleId :
 1S-A1-A4-COMP-(0-1)

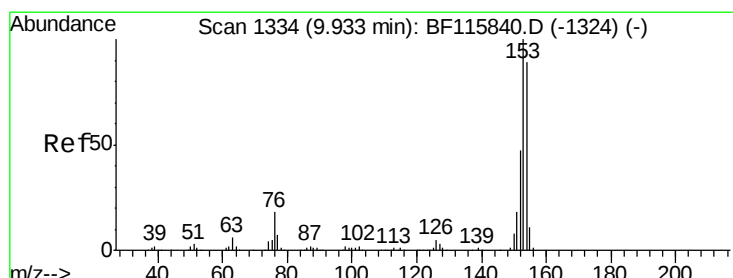
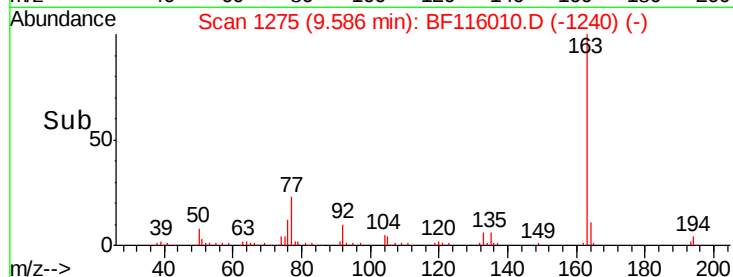
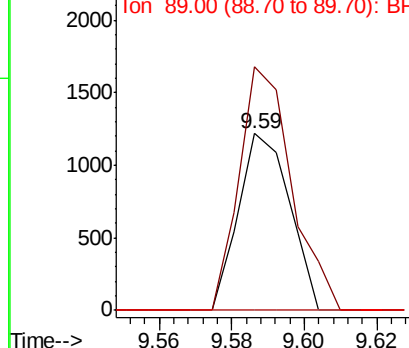
Tot Ion	Ratio	Resp	Lower	Upper
165	100	1196		
63	137.5		39.4	59.2#
89	0.0		43.0	64.6#

Manual Integrations
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 8/7/2019 4:41:47 PM



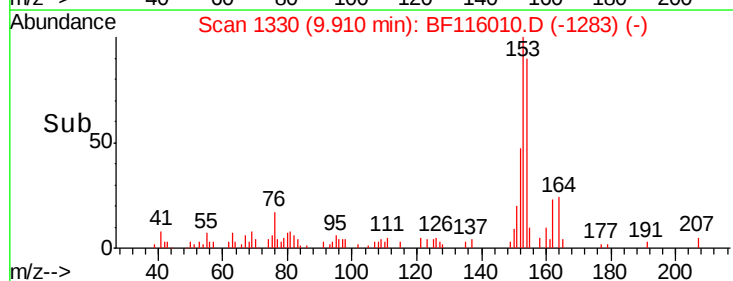
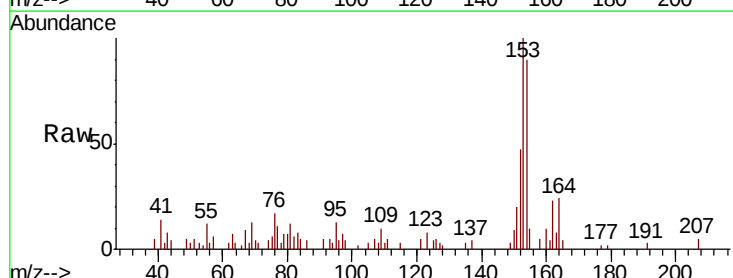
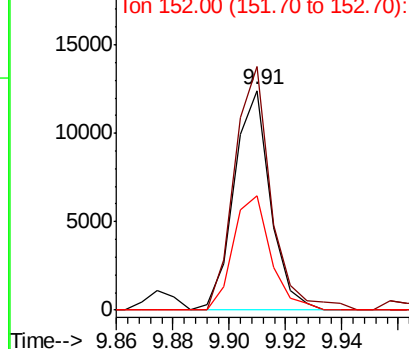
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

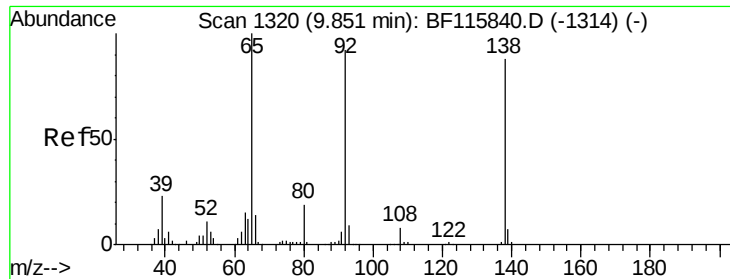


#52
 Acenaphthene
 Concen: 0.803 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.02 min
 Lab File: BF116010.D
 Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	11112		
153	111.0		90.1	135.1
152	52.4		42.6	63.8

Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E





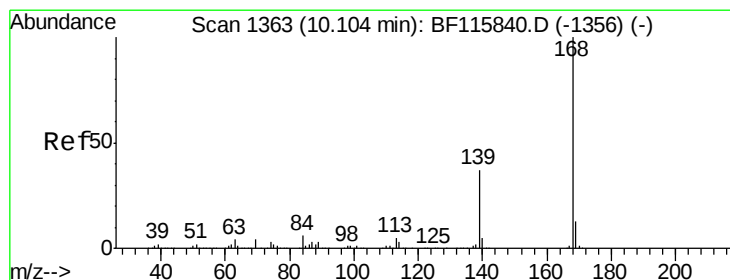
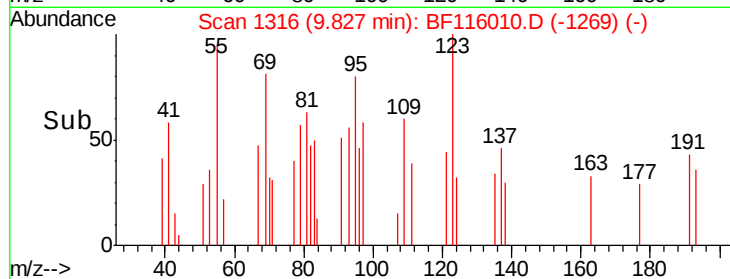
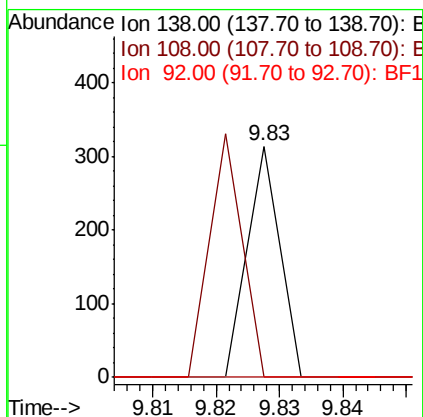
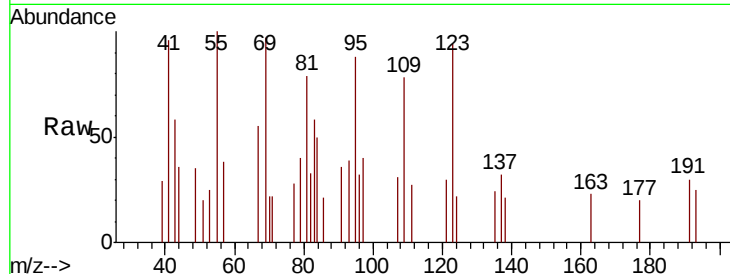
#53
3-Nitroaniline
Concen: 0.023 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
138	100		
108	0.0	7.4	11.2#
92	0.0	83.9	125.9#

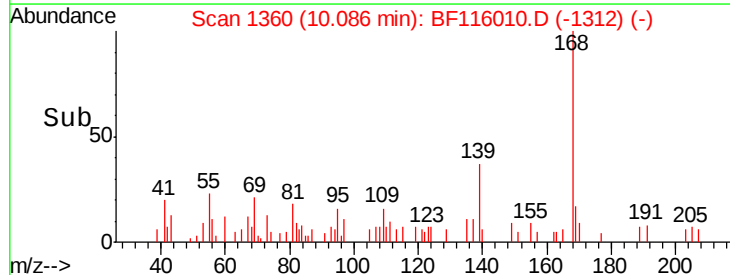
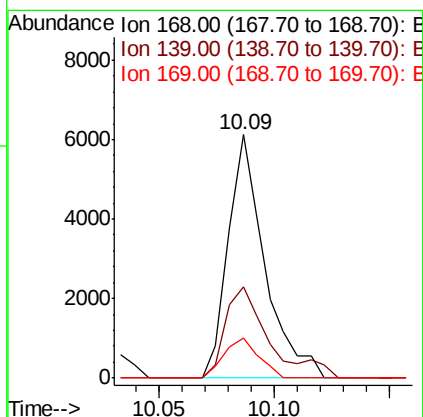
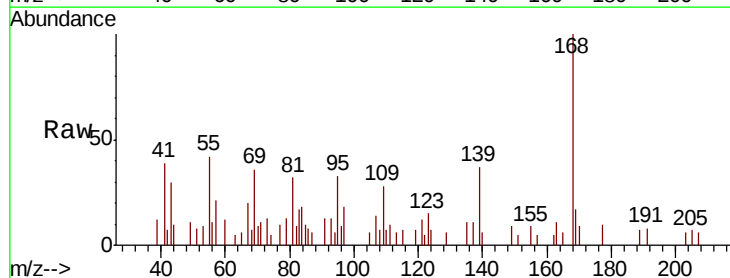
Manual Integrations
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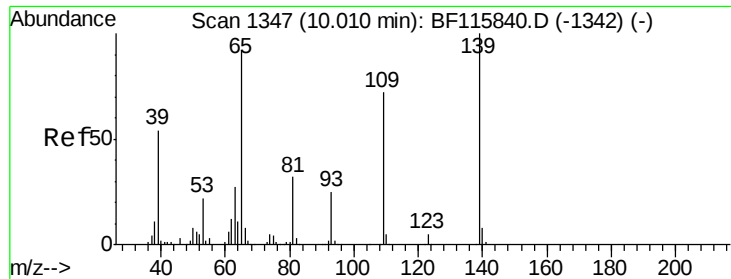
mohammad
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#55
Dibenzofuran
Concen: 0.335 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.2	45.2
169	16.6	10.8	16.2#





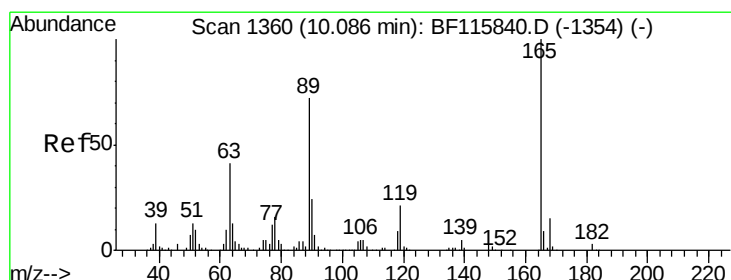
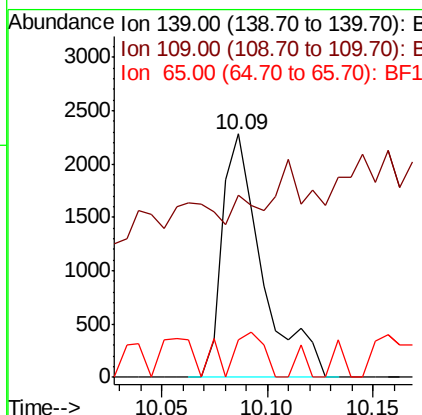
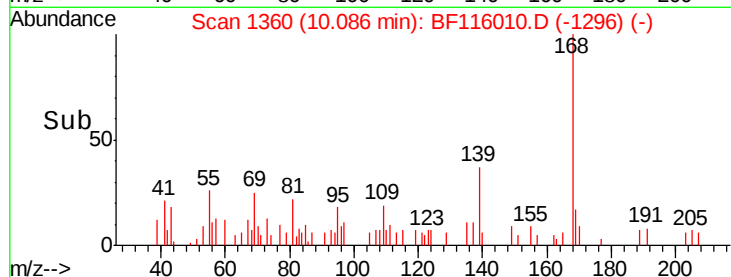
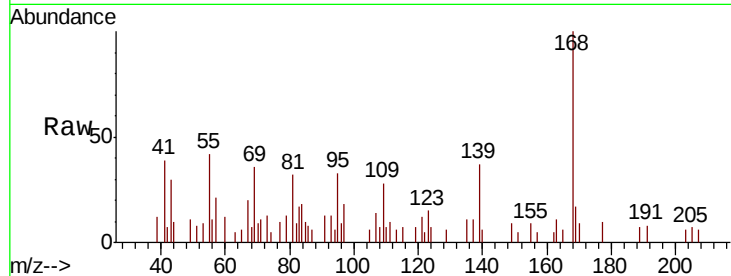
#56
4-Nitrophenol
Concen: 0.974 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.08 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
139	100		
109	74.8	52.0	92.0
65	15.6	72.6	112.6

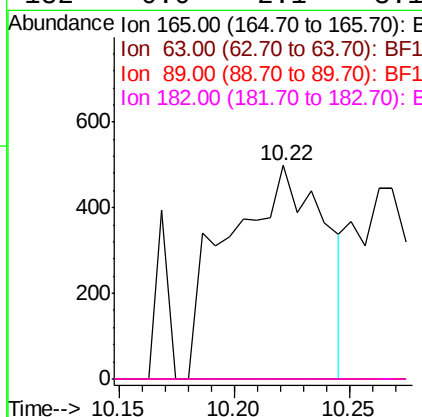
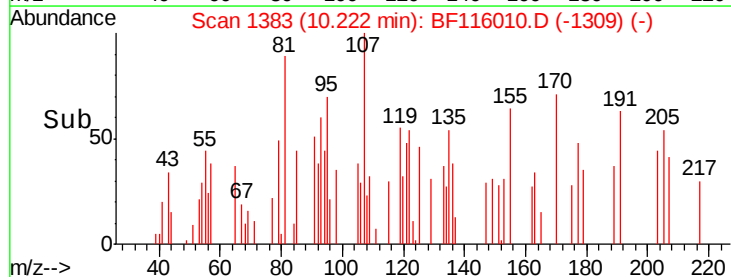
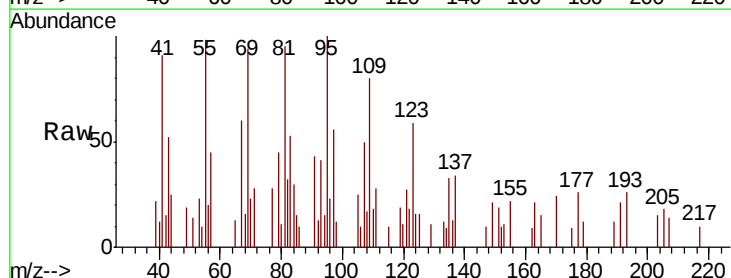
Manual Integrations
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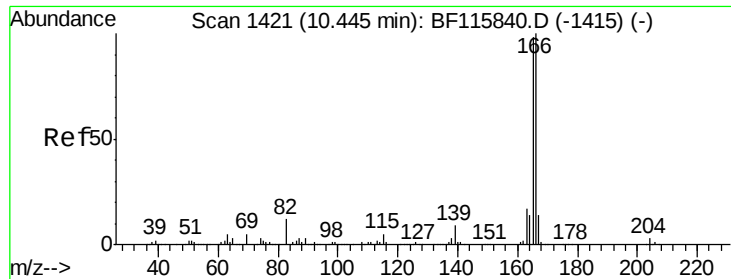
mohammad
8/7/2019 4:41:47 PM



#57
2,4-Dinitrotoluene
Concen: 0.282 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.14 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.2	49.8
89	0.0	57.3	85.9
182	0.0	2.1	3.1





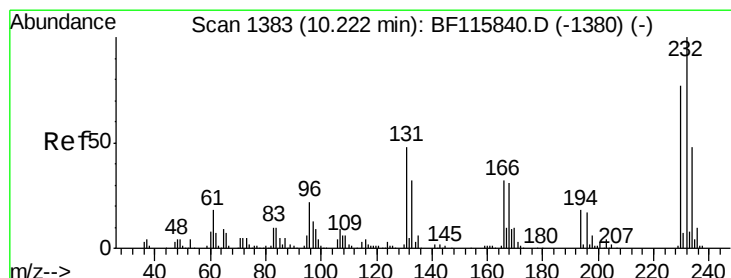
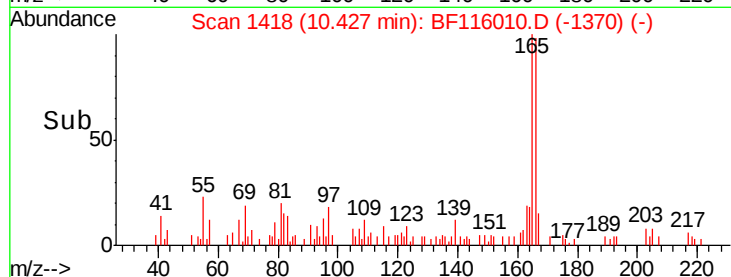
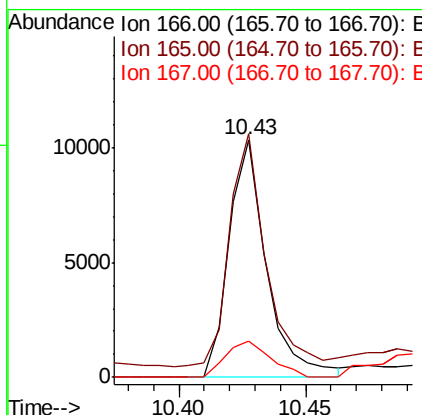
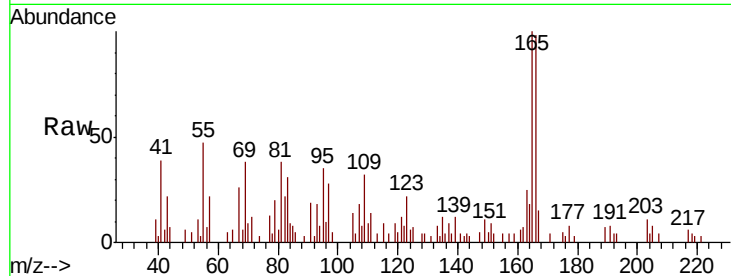
#58
 Fluorene
 Concen: 0.689 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.02 min
 Lab File: BF116010.D
 Acq: 6 Aug 2019 13:55

Instrument :
 BNA_F
 ClientSampleId :
 1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.5	78.6	118.0
167	15.5	10.9	16.3

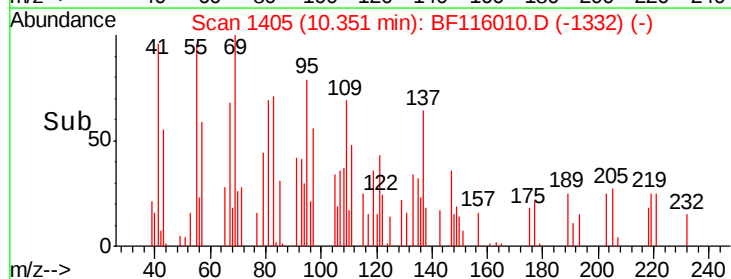
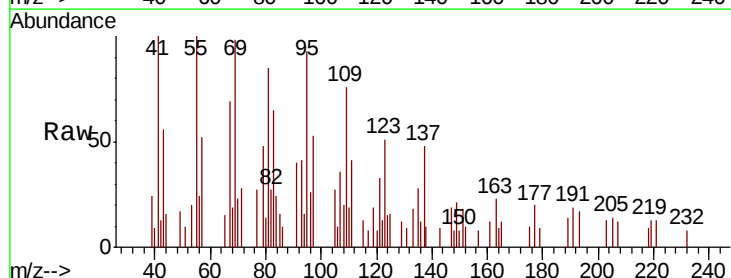
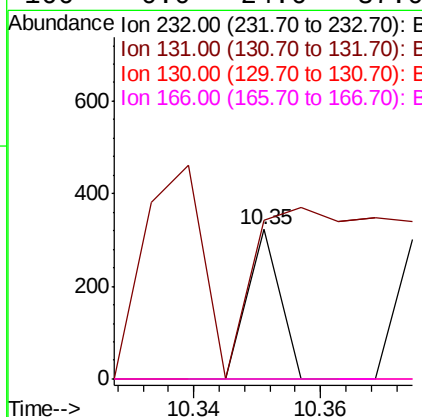
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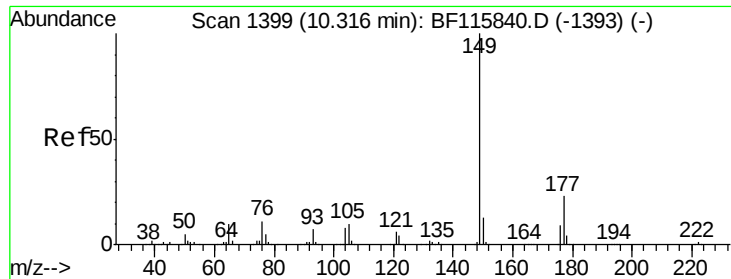
mohammad
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#59
 2,3,4,6-Tetrachlorophenol
 Concen: 0.027 ng
 RT: 10.35 min Scan# 1405
 Delta R.T. 0.13 min
 Lab File: BF116010.D
 Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
232	100		
131	539.5	37.6	56.4#
130	0.0	1.8	2.8#
166	0.0	24.6	37.0#





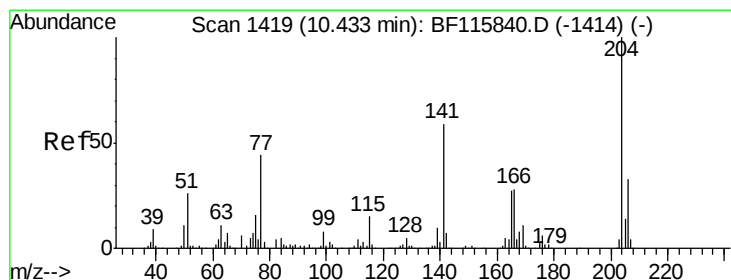
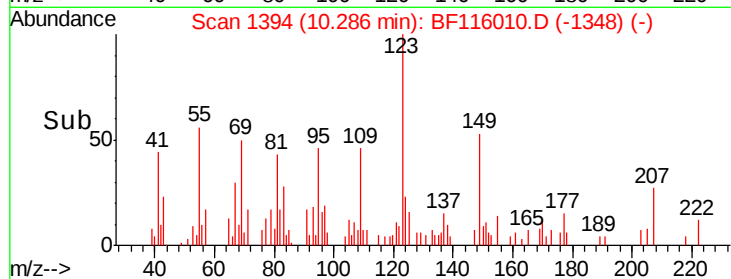
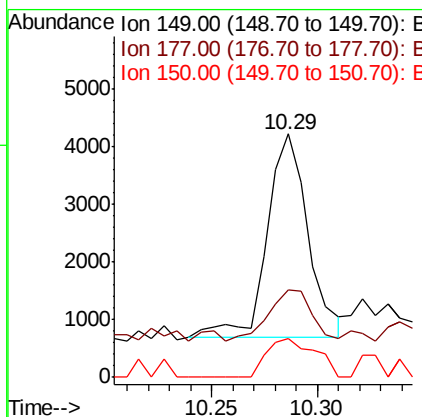
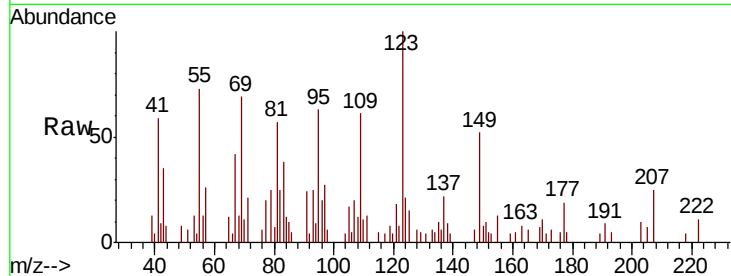
#60
Diethylphthalate
Concen: 0.285 ng
RT: 10.29 min Scan# 1394
Delta R.T. -0.03 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
149	100		
177	36.0	18.4	27.6#
150	16.1	10.1	15.1#

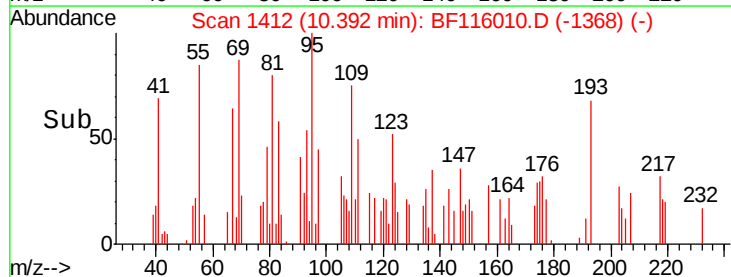
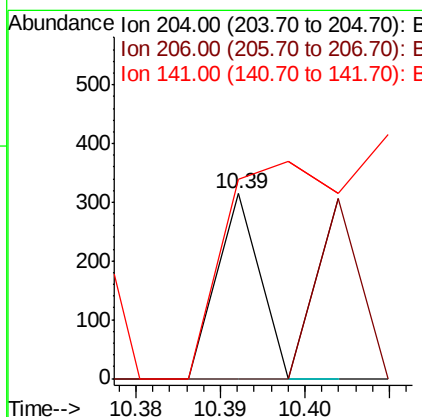
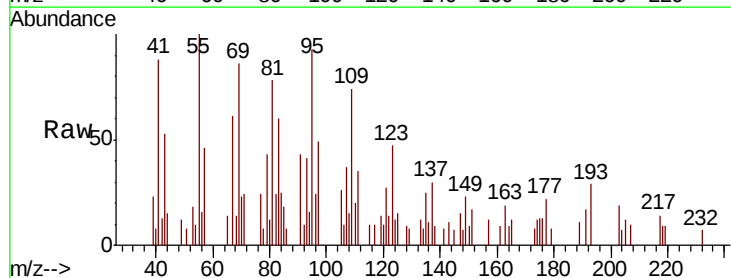
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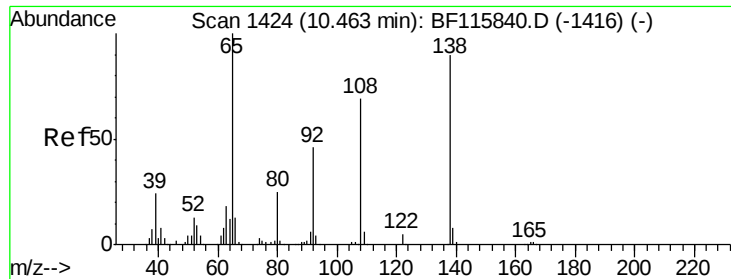
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#61
4-Chlorophenyl-phenylether
Concen: 0.014 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.04 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
204	100		
206	0.0	26.4	39.6#
141	107.6	47.0	70.4#





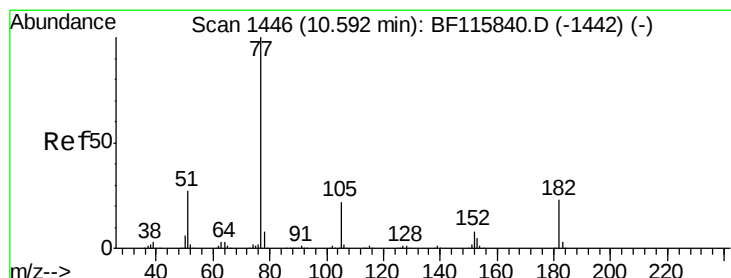
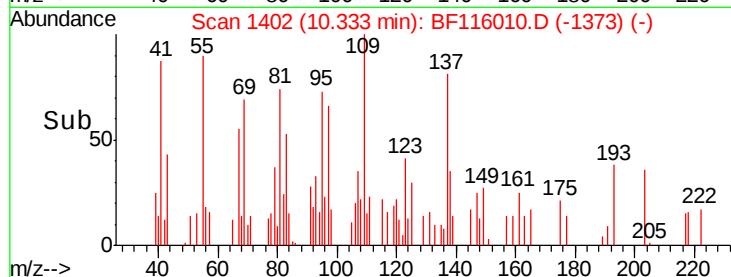
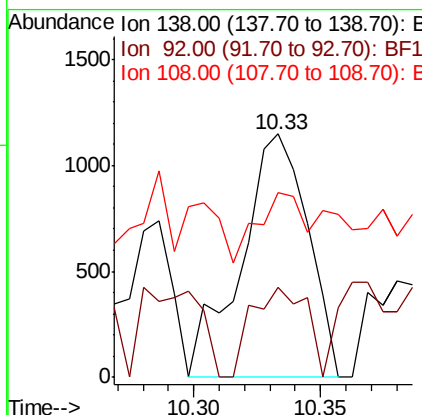
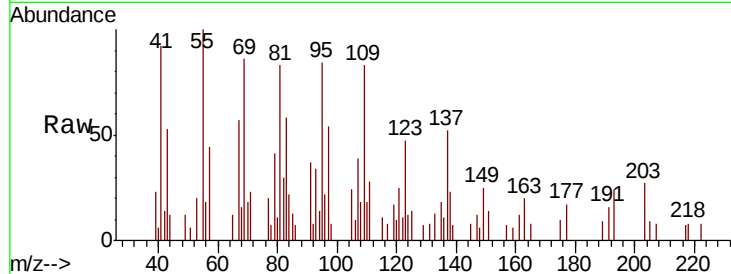
#62
4-Nitroaniline
Concen: 0.424 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.13 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
138	100		
92	36.7	31.0	71.0
108	75.8	56.7	96.7

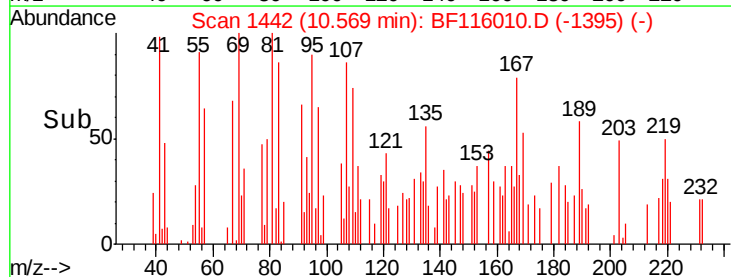
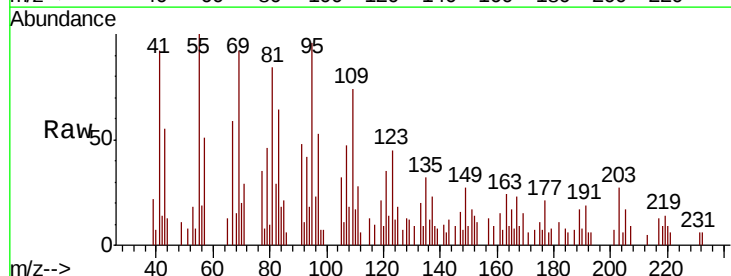
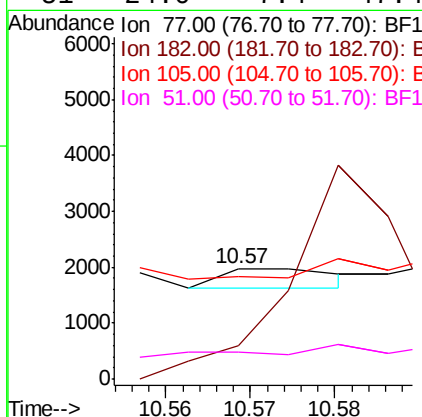
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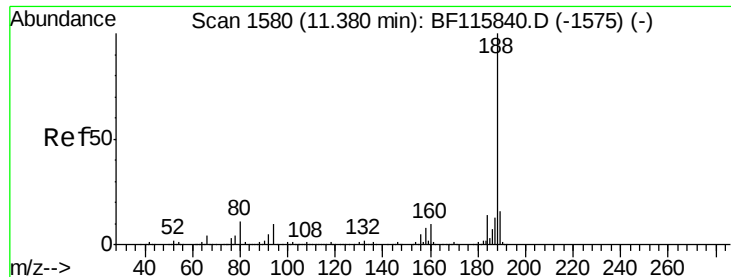
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#63
Azobenzene
Concen: 0.020 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
77	100		
182	30.3	2.6	42.6
105	92.7	1.6	41.6
51	24.0	7.4	47.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

Instrument :

BNA_F

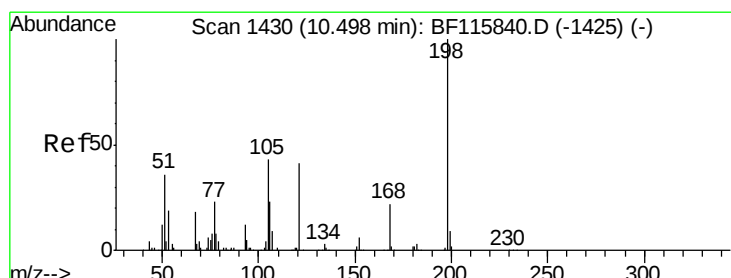
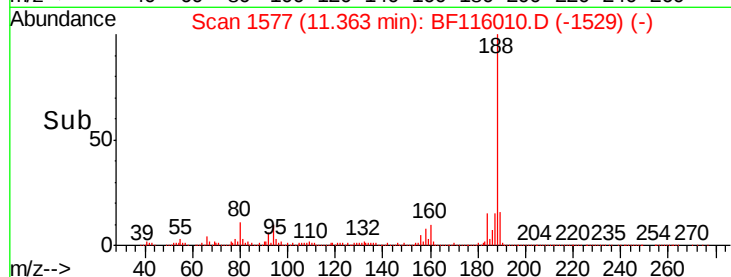
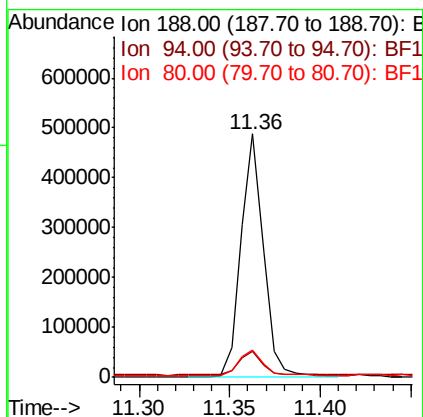
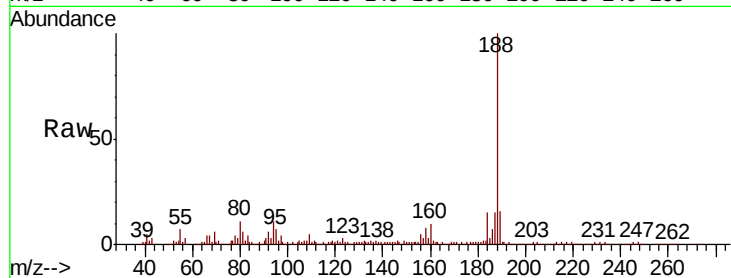
ClientSampleId :

1S-A1-A4-COMP-(0-1)

Tot Ion	188	Resp	422559
Ion Ratio	Lower	Upper	
188	100		
94	10.6	8.0	12.0
80	11.4	8.6	12.8

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#65

4,6-Dinitro-2-methylphenol

Concen: 0.251 ng

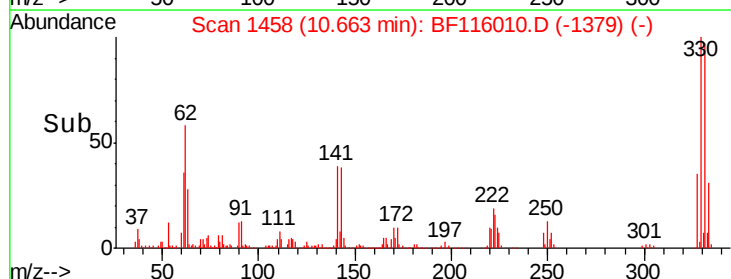
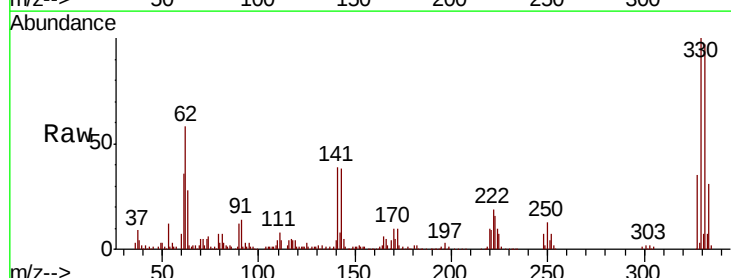
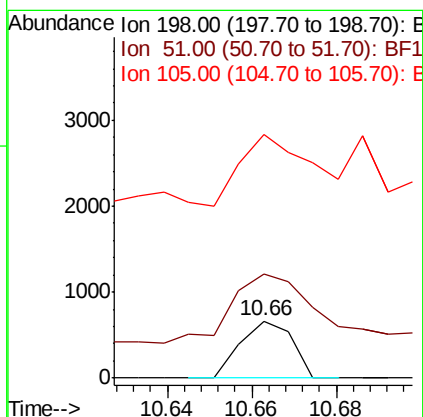
RT: 10.66 min Scan# 1458

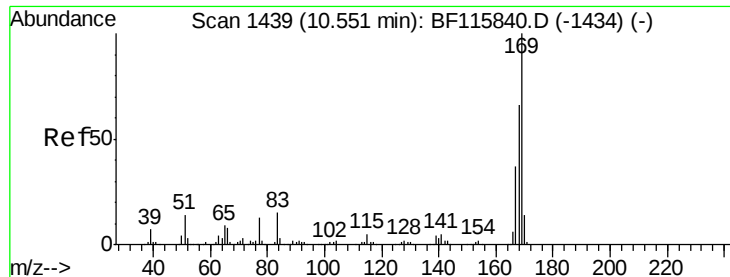
Delta R.T. 0.16 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

Tgt Ion	198	Resp	563
Ion Ratio	Lower	Upper	
198	100		
51	183.9	21.1	61.1#
105	429.2	24.5	64.5#





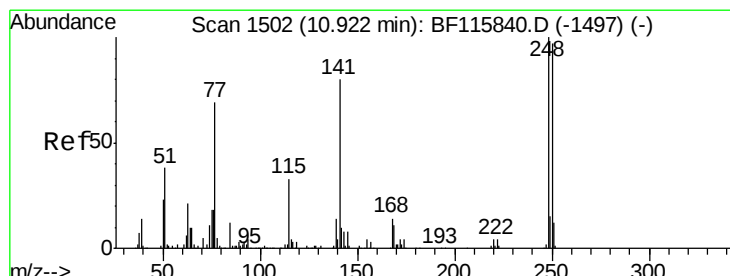
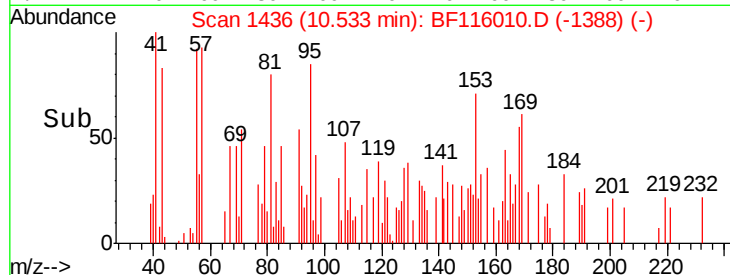
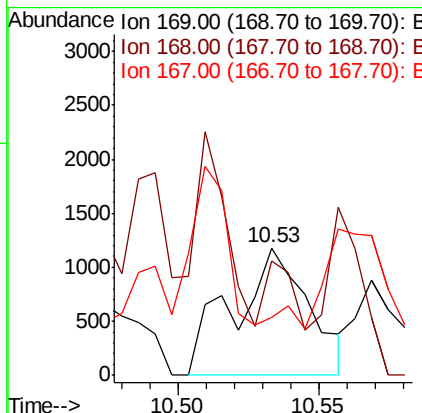
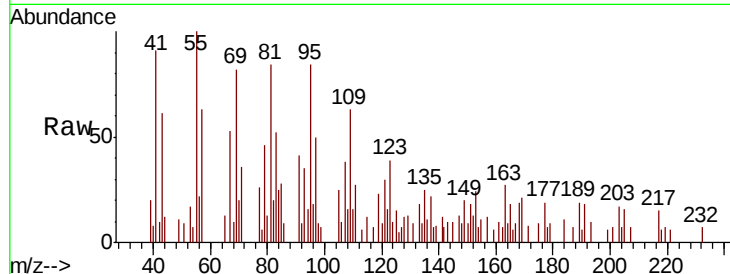
#66
 n-Nitrosodiphenylamine
 Concen: 0.171 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF116010.D
 Acq: 6 Aug 2019 13:55

Instrument :
 BNA_F
 ClientSampleId :
 1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
169	100		
168	89.7	53.0	79.6#
167	45.1	29.9	44.9#

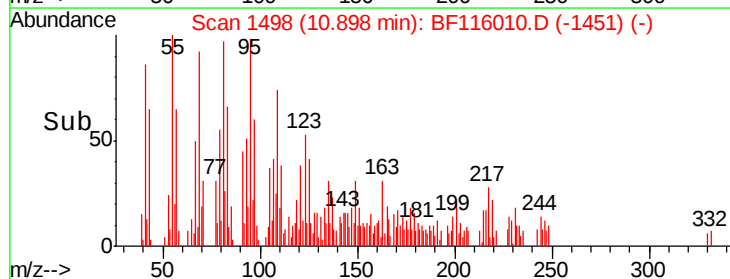
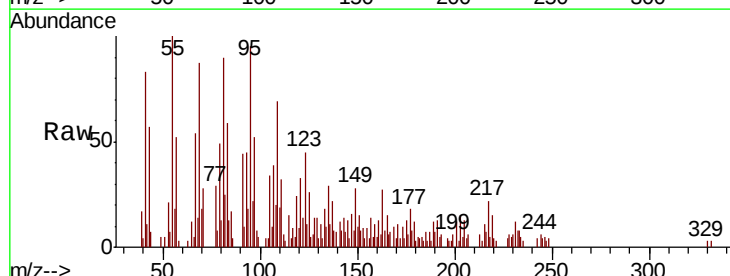
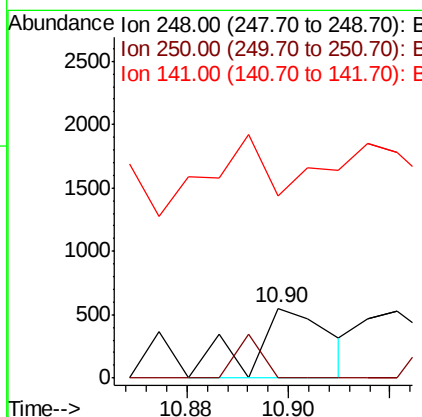
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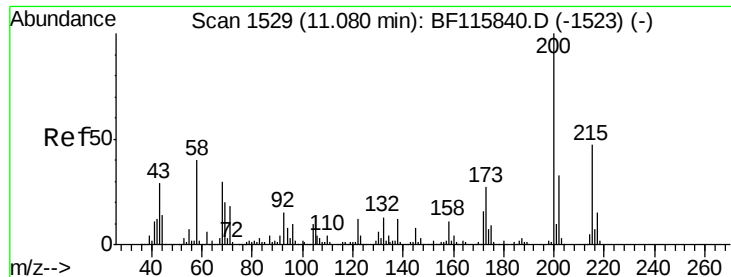
mohammad
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#67
 4-Bromophenyl-phenylether
 Concen: 0.131 ng
 RT: 10.90 min Scan# 1498
 Delta R.T. -0.02 min
 Lab File: BF116010.D
 Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
248	100		
250	0.0	77.8	116.6#
141	262.2	64.3	96.5#





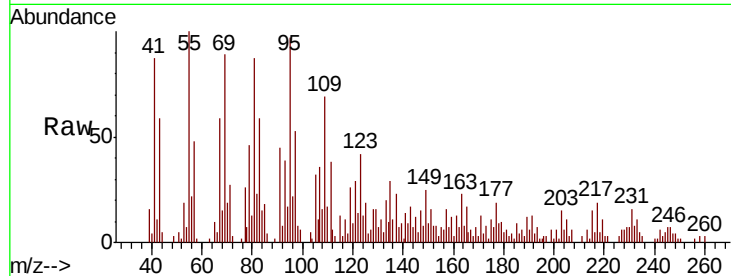
#69
Atrazine
 Concen: 0.027 ng
 RT: 11.06 min Scan# 1526
 Delta R.T. -0.02 min
 Lab File: BF116010.D
 Acq: 6 Aug 2019 13:55

Instrument :
 BNA_F
 ClientSampleId :
 1S-A1-A4-COMP-(0-1)

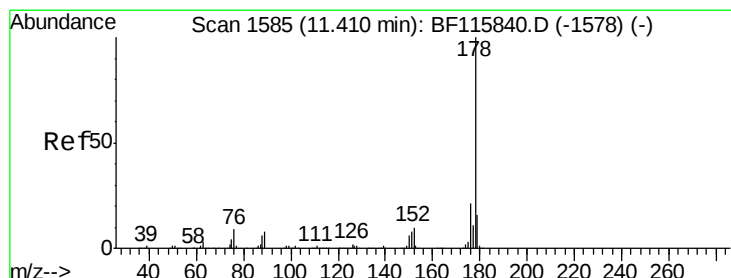
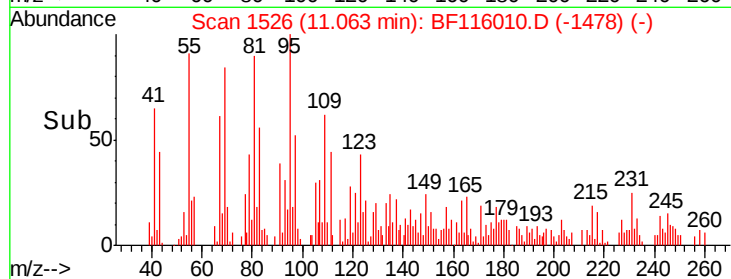
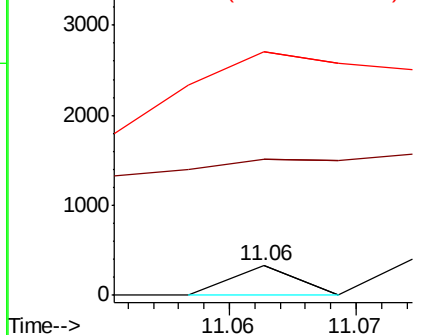
Tot Ion:	200	Resp:	115
Ion Ratio	Lower	Upper	
200	100		
173	461.8	7.3	47.3#
215	826.9	26.9	66.9#

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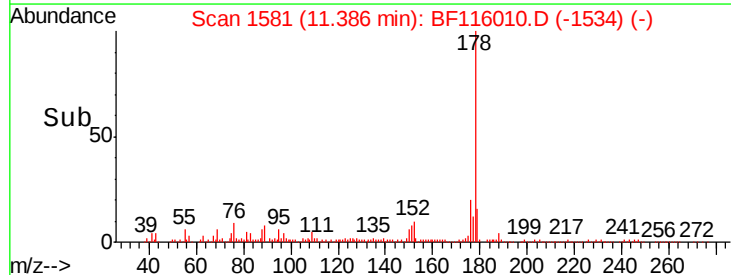
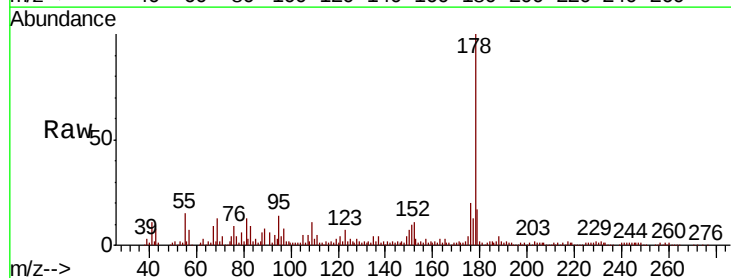
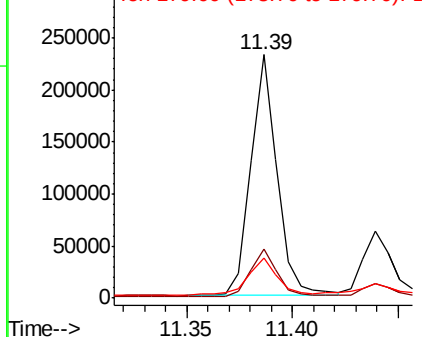
Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

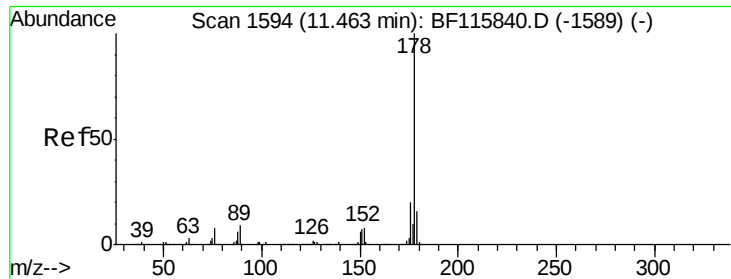


#71
Phenanthrene
 Concen: 9.314 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.02 min
 Lab File: BF116010.D
 Acq: 6 Aug 2019 13:55

Tgt Ion:	178	Resp:	201208
Ion Ratio	Lower	Upper	
178	100		
176	20.0	16.5	24.7
179	16.6	12.6	18.8

Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.926 ng/mL

RT: 11.44 min Scan# 1590

Delta R.T. -0.02 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

Instrument :

BNA_F

ClientSampleId :

1S-A1-A4-COMP-(0-1)

Tot Ion:178 Resp: 63978

Ion Ratio Lower Upper

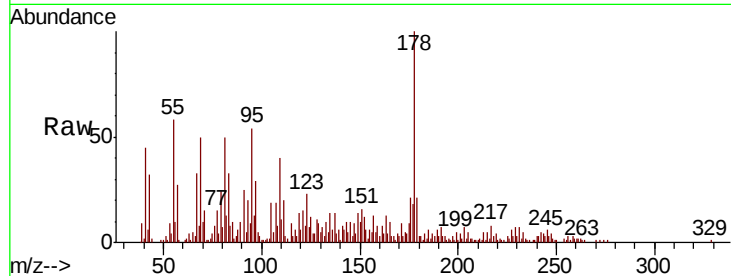
178 100

176 21.4 15.7 23.5

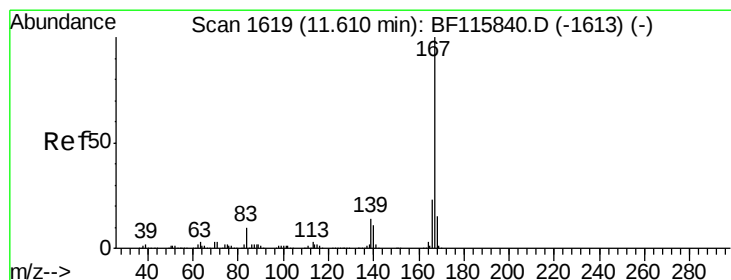
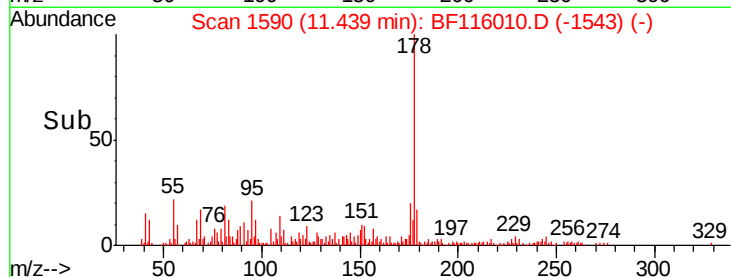
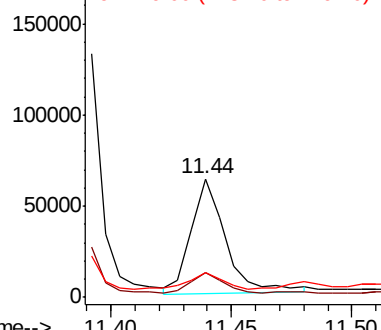
179 20.6 12.4 18.6#

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 0.676 ng/mL

RT: 11.60 min Scan# 1618

Delta R.T. -0.01 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

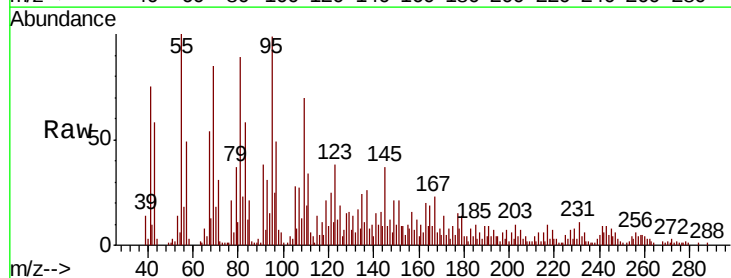
Tgt Ion:167 Resp: 13413

Ion Ratio Lower Upper

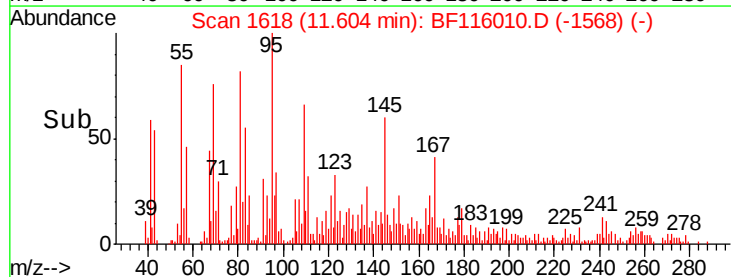
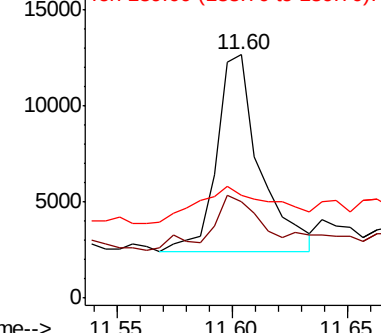
167 100

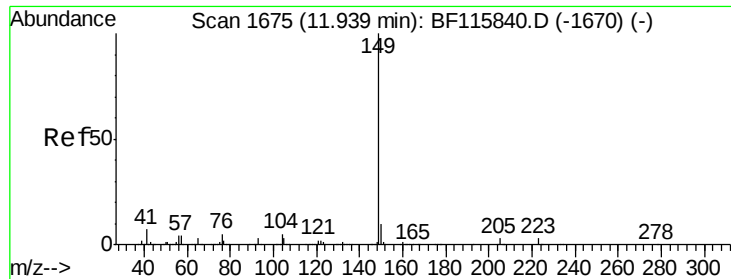
166 39.4 18.0 27.0#

139 42.1 11.4 17.2#



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.482 ng

RT: 11.91 min Scan# 1670

Delta R.T. -0.03 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

Instrument :

BNA_F

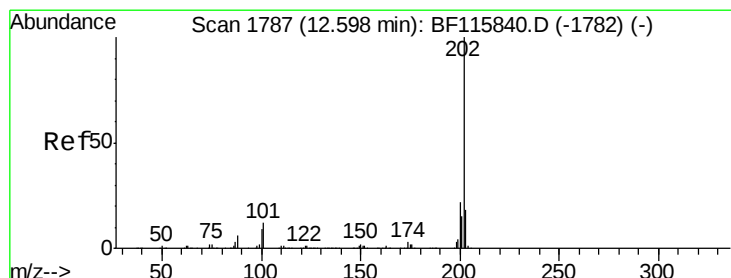
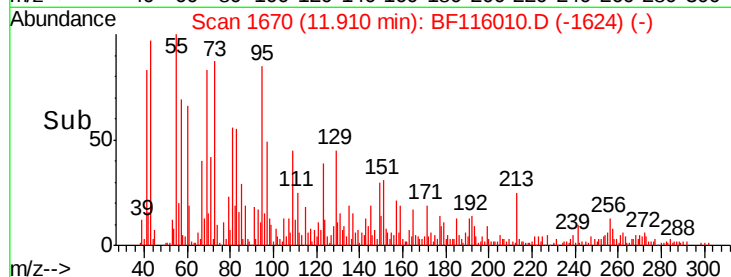
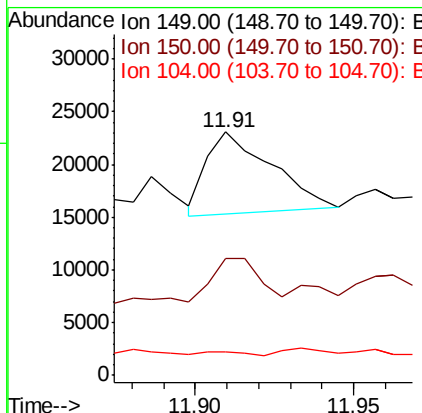
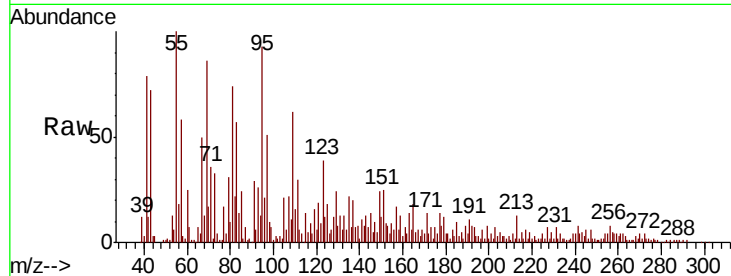
ClientSampleId :

1S-A1-A4-COMP-(0-1)

Tot Ion:	149	Resp:	11145
Ion Ratio	Lower	Upper	
149	100		
150	48.3	7.7	11.5#
104	9.7	4.3	6.5#

Manual Integrations
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#75

Fluoranthene

Concen: 14.842 ng

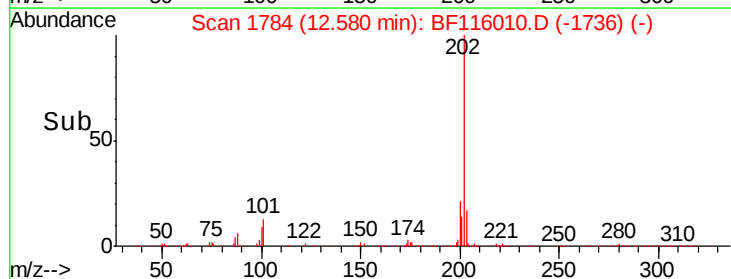
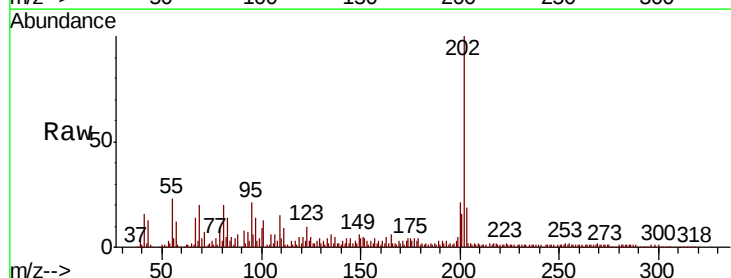
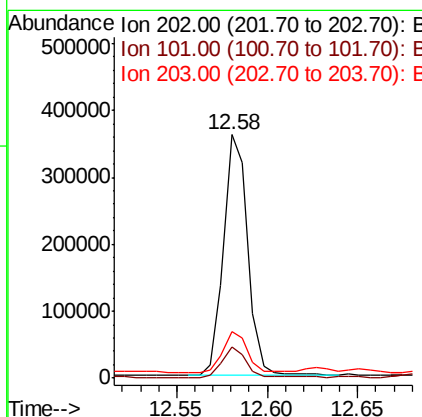
RT: 12.58 min Scan# 1784

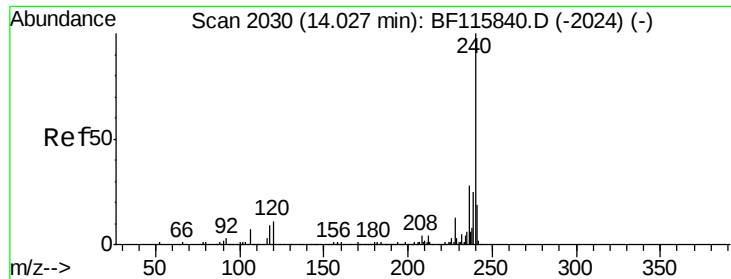
Delta R.T. -0.02 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

Tgt Ion:	202	Resp:	335664
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	31.5
203	19.2	0.0	37.9





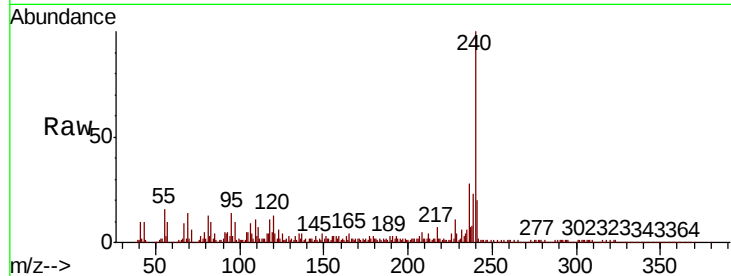
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	266891		
120	12.9	8.5	12.7#	
236	27.8	22.2	33.2	

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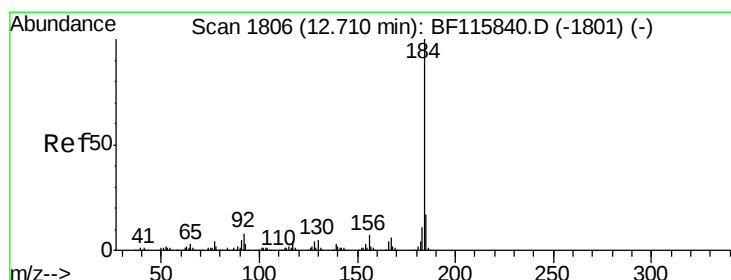
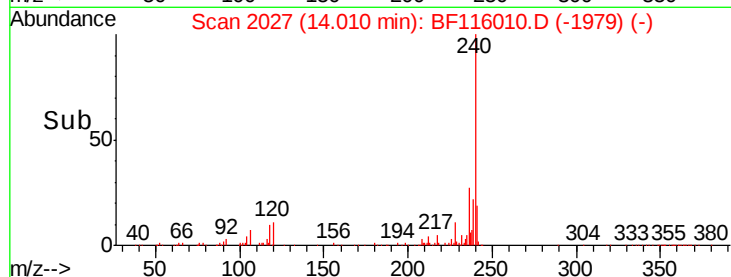
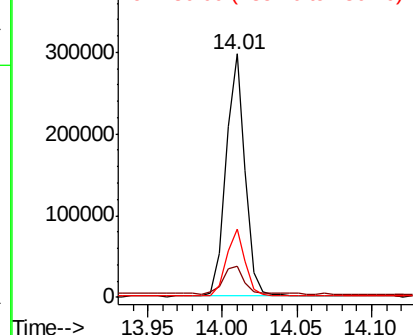


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77
Benzidine
Concen: 0.185 ng
RT: 12.73 min Scan# 1809
Delta R.T. 0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

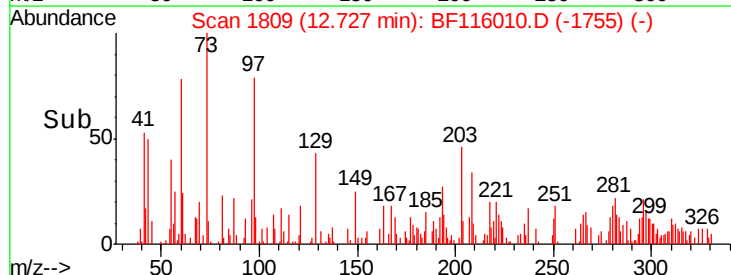
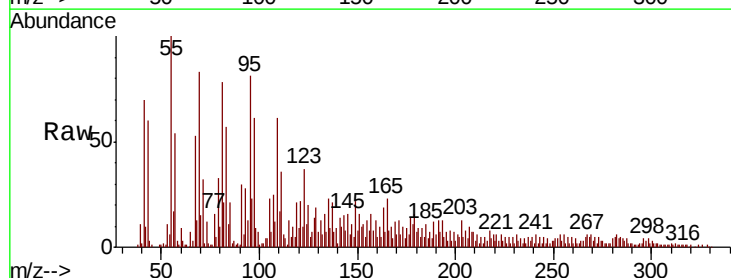
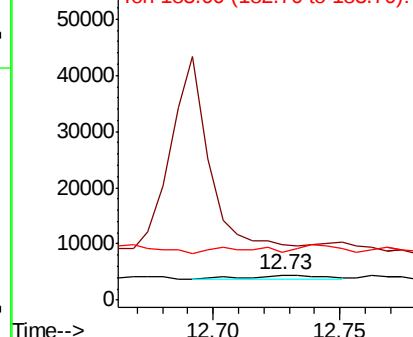
Tgt Ion	Ratio	Resp	Lower	Upper
184	100	1671		
185	225.3	13.4	20.2#	
183	192.9	9.1	13.7#	

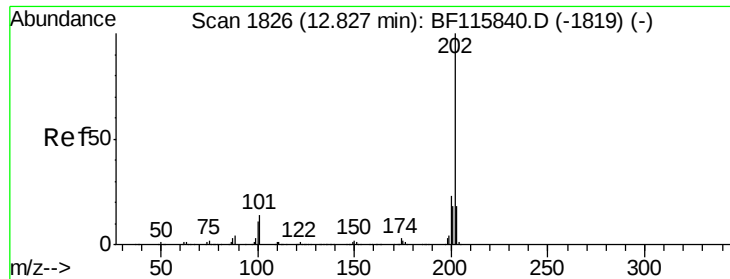
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





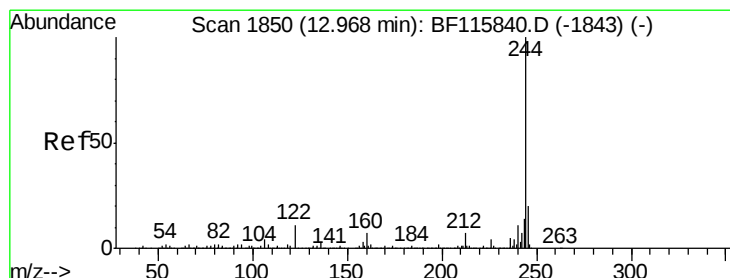
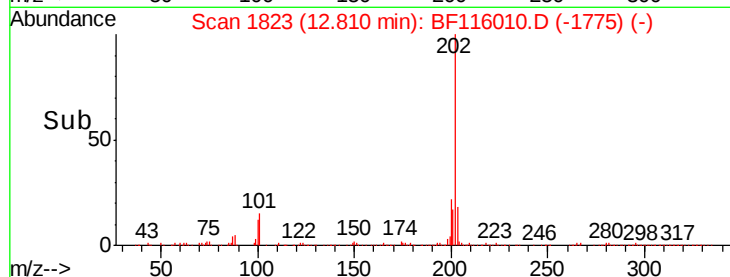
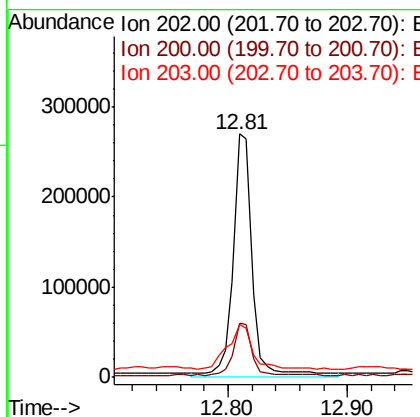
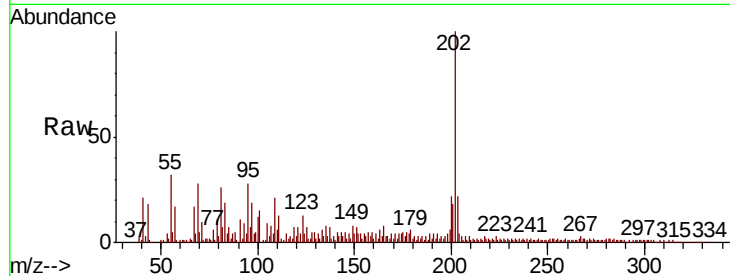
#78
Pvrene
Concen: 15.423 ng/ml
RT: 12.81 min Scan# 1823
Delta R.T. -0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.2	18.2	27.2
203	21.6	14.3	21.5

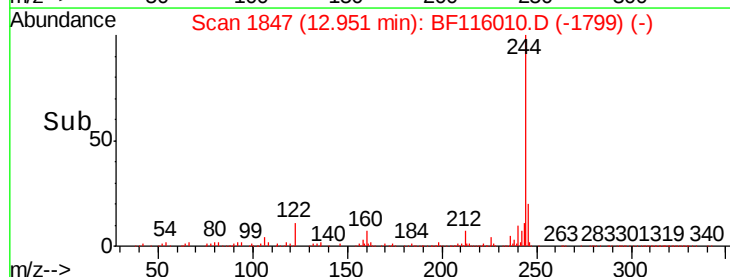
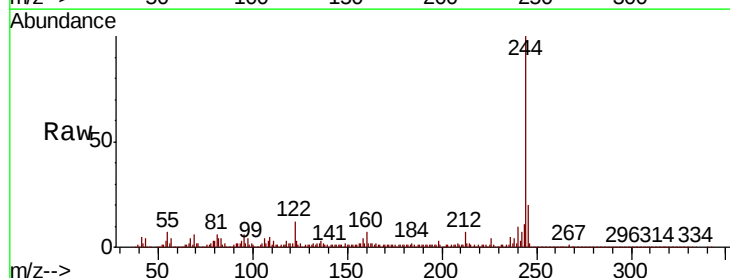
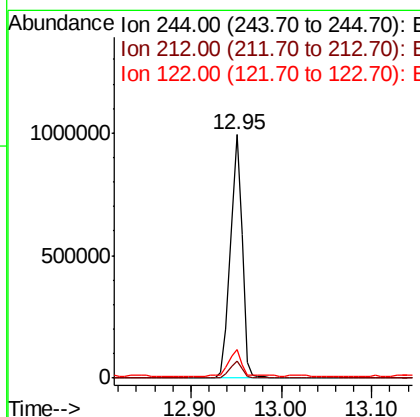
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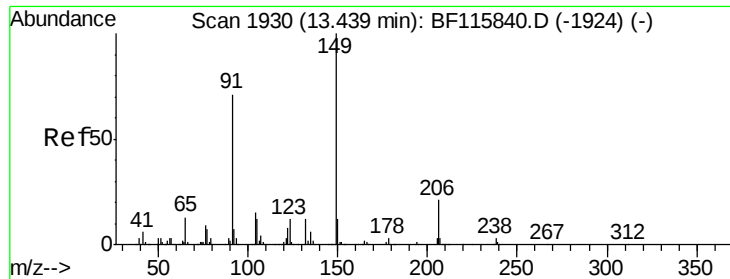
mohammad
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#79
Terphenyl-d14
Concen: 70.753 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	12.0	8.6	13.0





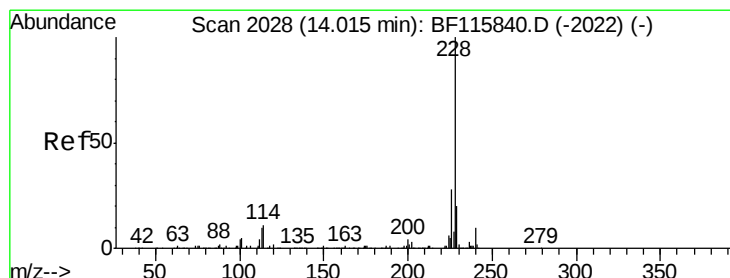
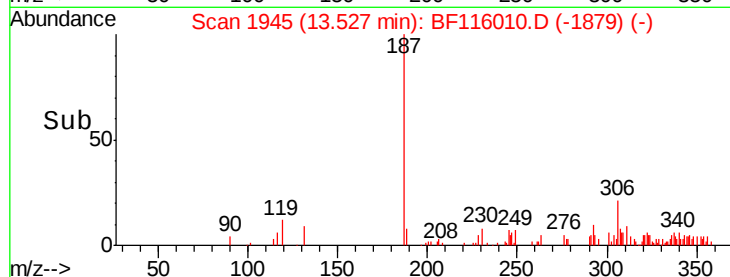
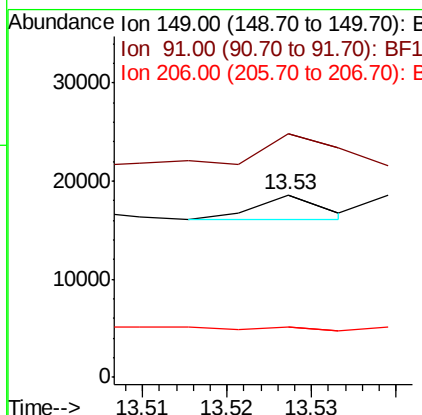
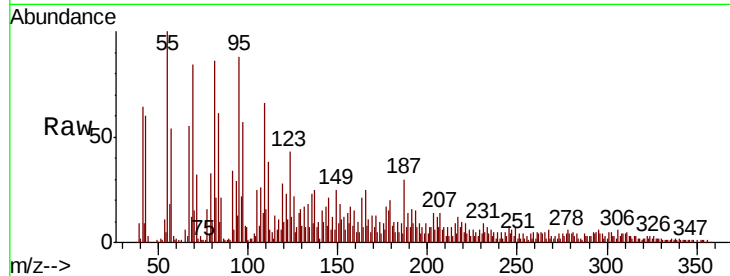
#80
Butylbenzylphthalate
Concen: 0.165 ng
RT: 13.53 min Scan# 1945
Delta R.T. 0.09 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
149	100		
91	133.3	57.0	85.6#
206	27.7	16.9	25.3#

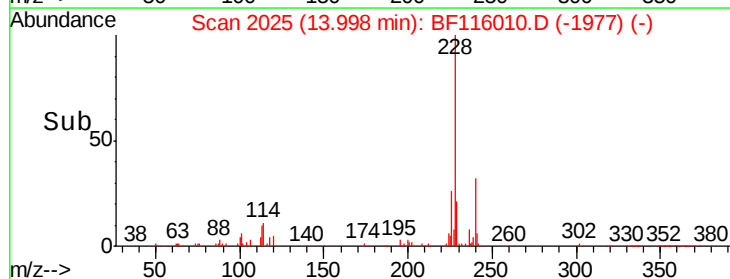
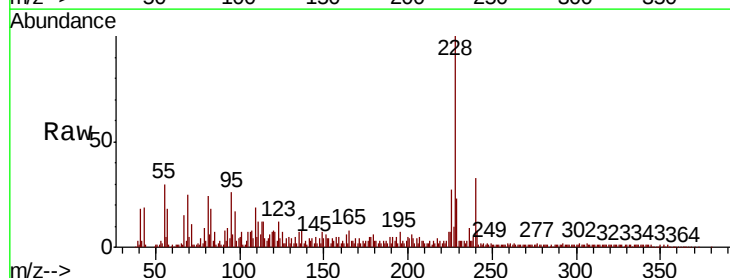
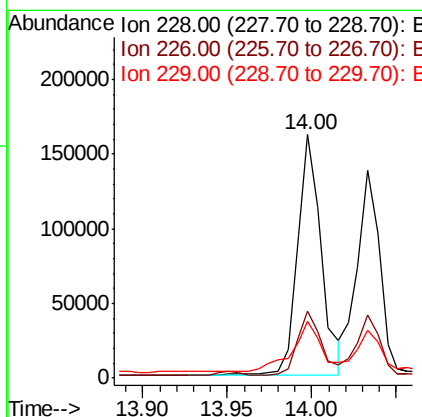
Manual Integrations
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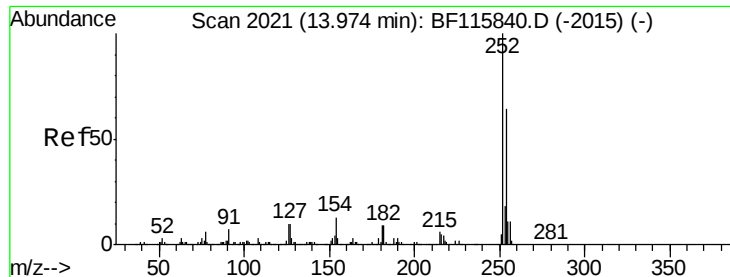
mohammad
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#81
Benzo(a)anthracene
Concen: 9.224 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.5	33.7
229	23.4	16.1	24.1





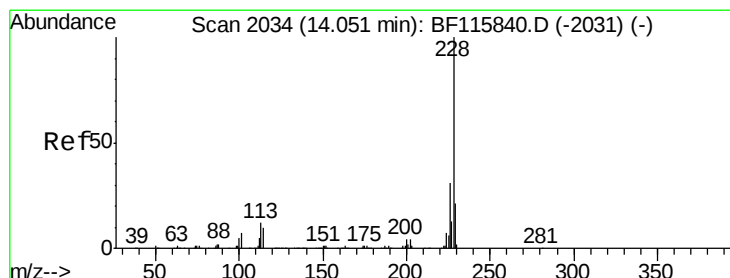
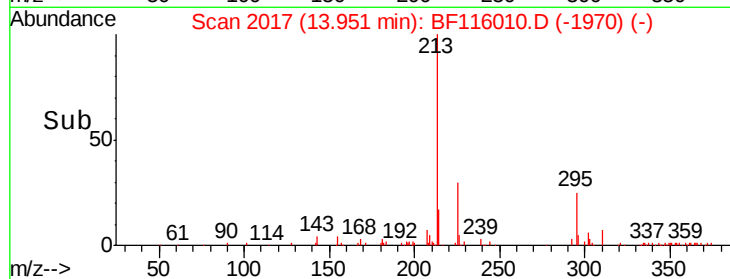
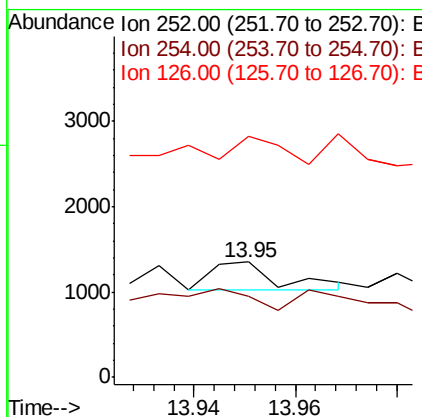
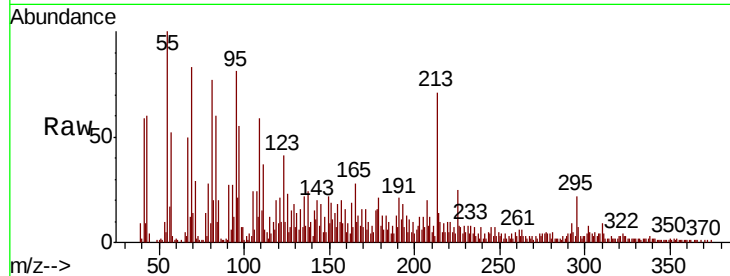
#82
 3,3'-Dichlorobenzidine
 Concen: 0.052 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.02 min
 Lab File: BF116010.D
 Acq: 6 Aug 2019 13:55

Instrument :
 BNA_F
 ClientSampleId :
 1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
254	70.6	51.2	76.8
126	209.6	8.1	12.1

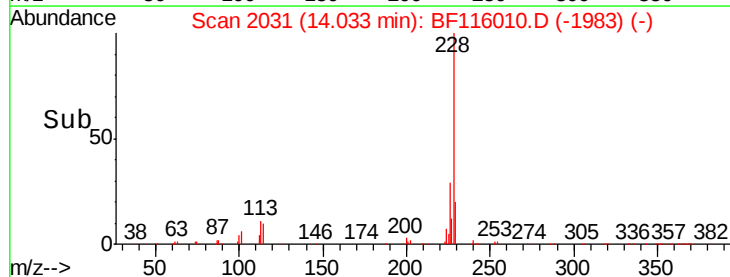
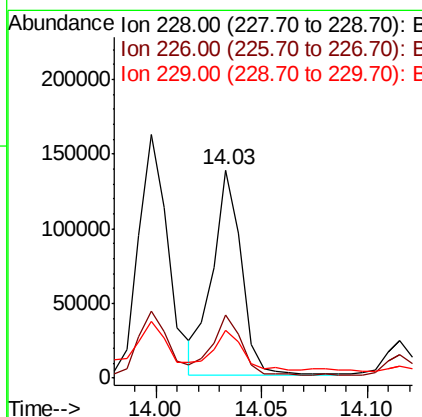
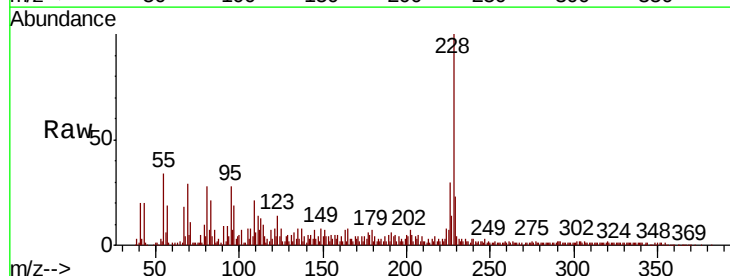
Manual Integrations
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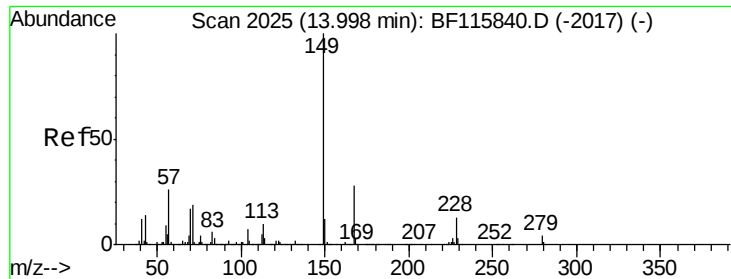
mohammad
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#83
 Chrysene
 Concen: 7.897 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF116010.D
 Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.8	37.2
229	23.0	16.4	24.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.516 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

Instrument :

BNA_F

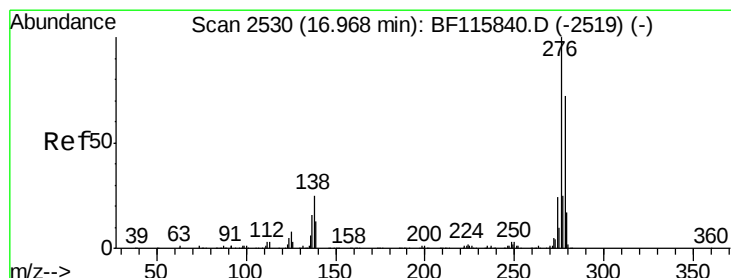
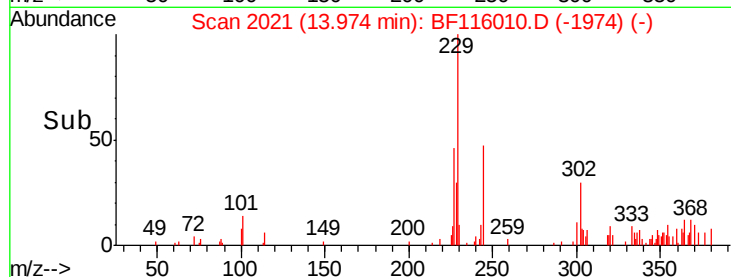
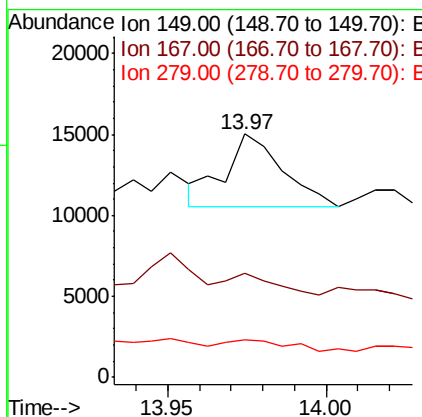
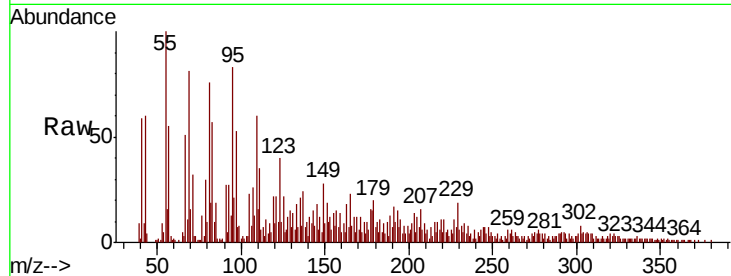
ClientSampleId :

1S-A1-A4-COMP-(0-1)

Tot Ion:	149	Resp:	5705
Ion Ratio	Lower	Upper	
149	100		
167	43.0	22.4	33.6#
279	15.3	3.3	4.9#

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 6.738 ng

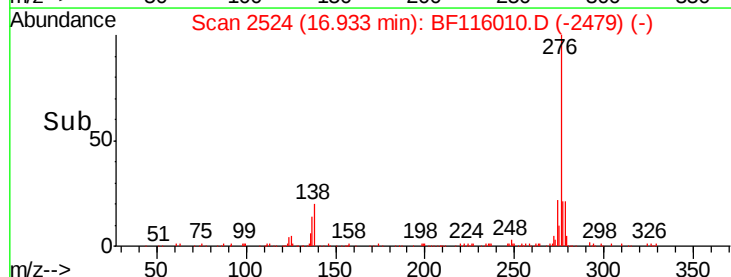
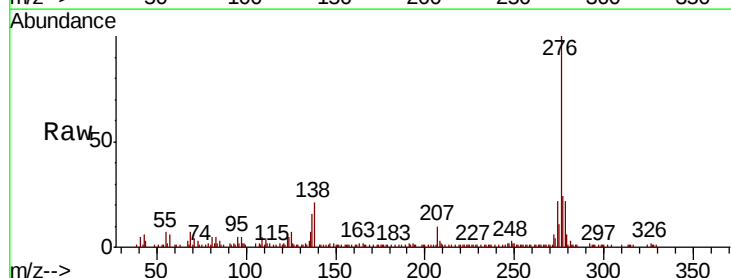
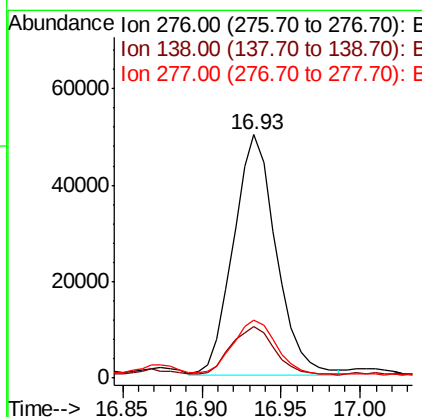
RT: 16.93 min Scan# 2524

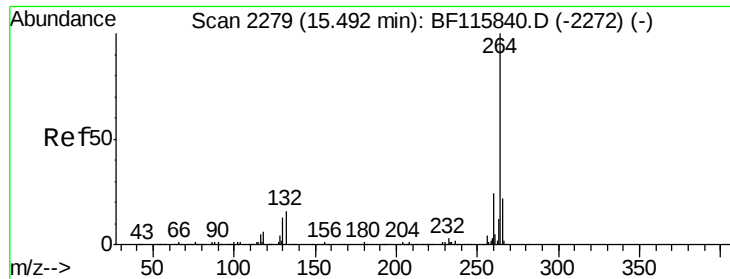
Delta R.T. -0.04 min

Lab File: BF116010.D

Acq: 6 Aug 2019 13:55

Tgt Ion:	276	Resp:	93721
Ion Ratio	Lower	Upper	
276	100		
138	21.4	19.6	29.4
277	23.2	20.1	30.1





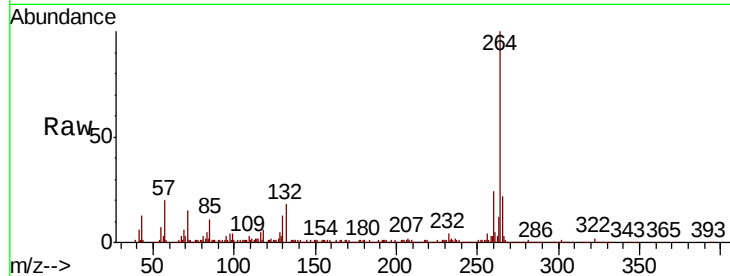
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

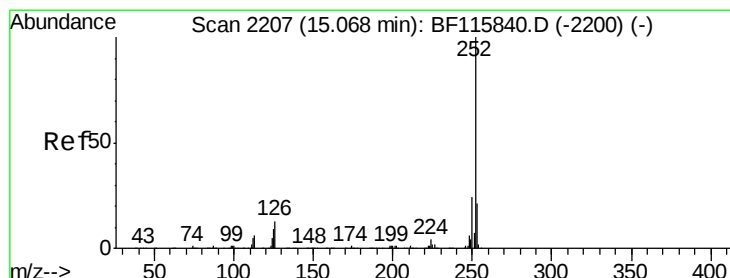
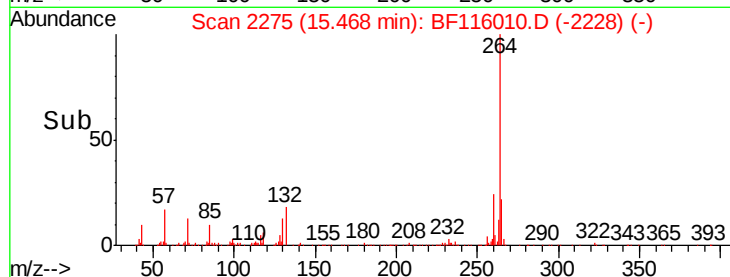
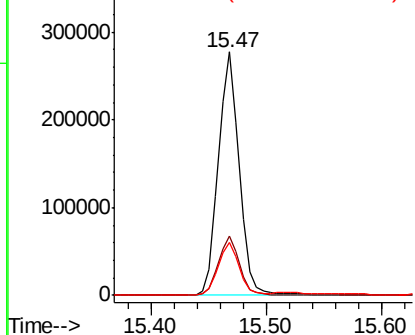
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	22.0	17.5	26.3

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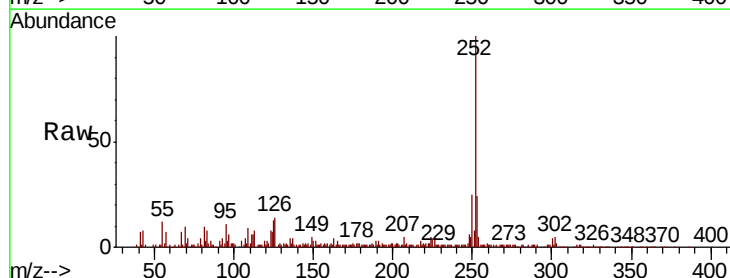


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

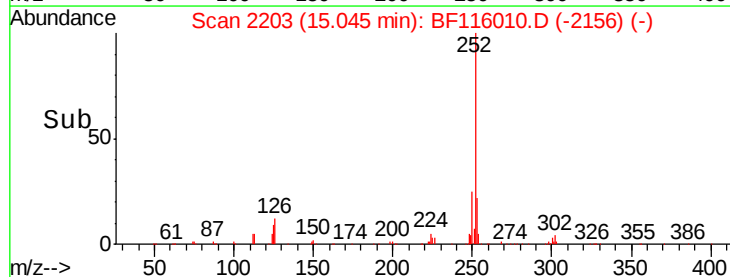
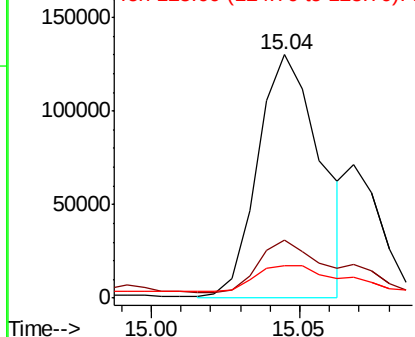


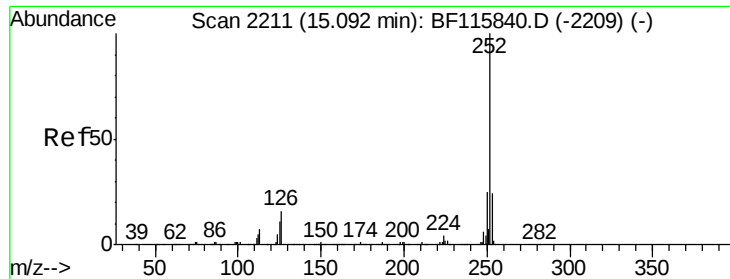
#88
Benzo(b)fluoranthene
Concen: 9.587 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	13.1	7.4	11.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





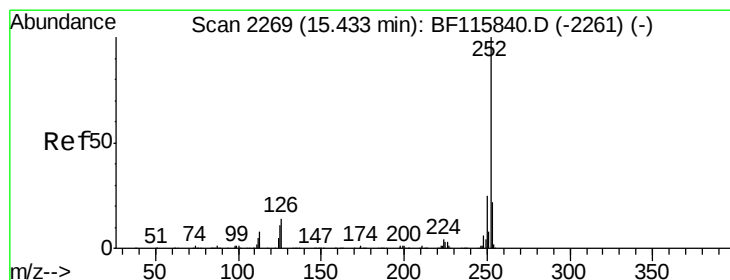
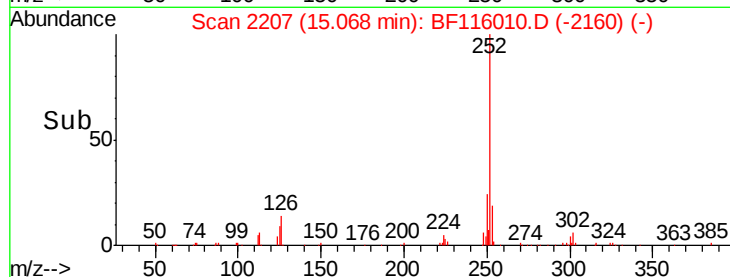
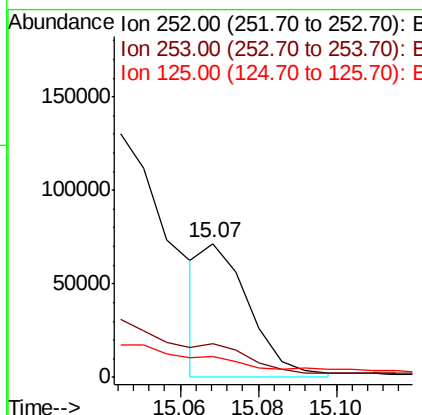
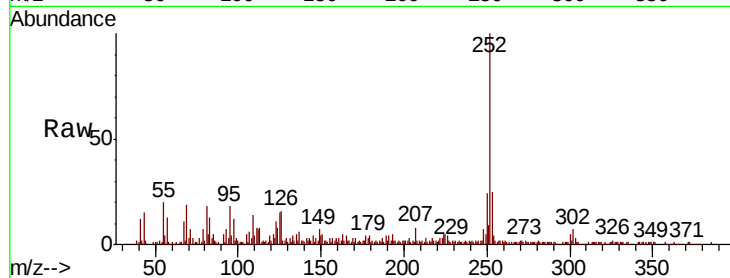
#89
Benzo(k)fluoranthene
Concen: 3.069 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.2	27.4
125	15.1	8.9	13.3

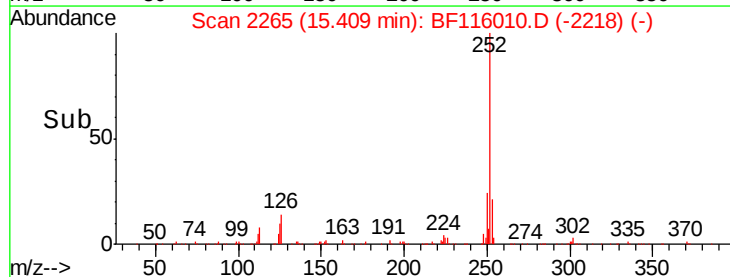
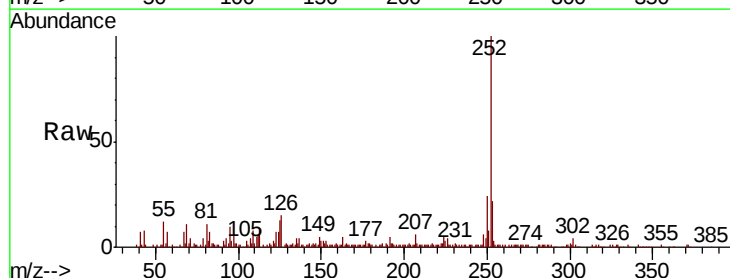
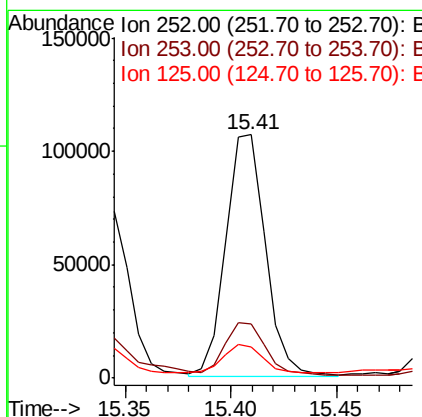
Manual Integrations
APPROVED

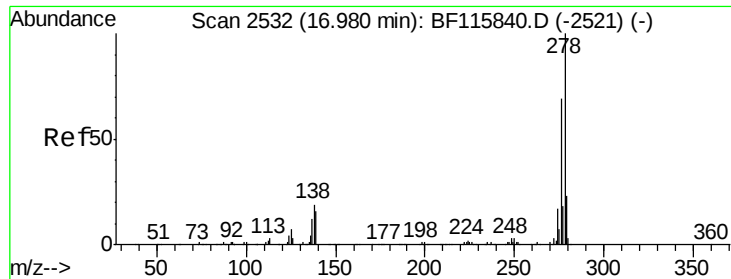
mohammad
8/7/2019 4:41:47 PM



#90
Benzo(a)pyrene
Concen: 7.742 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	12.6	8.8	13.2





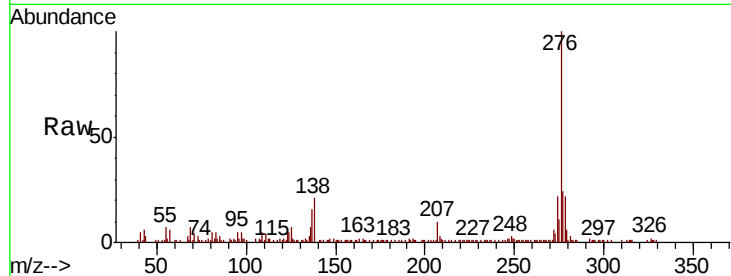
#91
Dibenzo(a,h)anthracene
Concen: 1.432 ng
RT: 16.93 min Scan# 2524
Delta R.T. -0.05 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0#
279	29.8	18.8	28.2#

Manual Integrations
APPROVED

mohammad
8/7/2019 4:41:47 PM

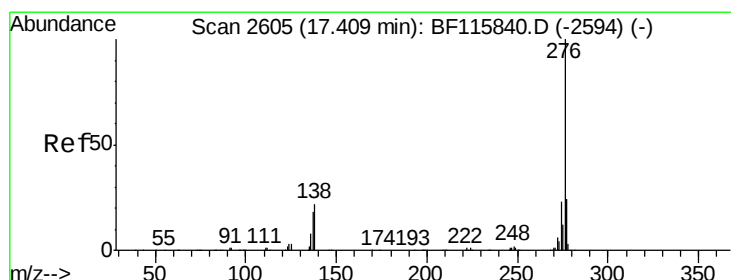
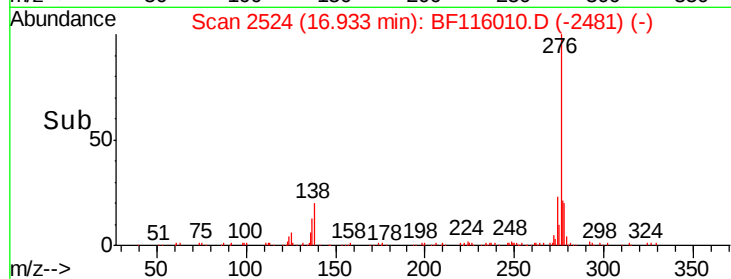
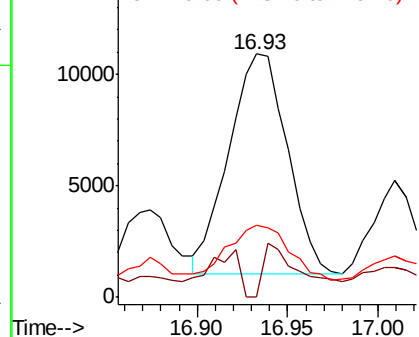


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.872 ng
RT: 17.37 min Scan# 2599
Delta R.T. -0.04 min
Lab File: BF116010.D
Acq: 6 Aug 2019 13:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.5	29.3
138	22.1	17.8	26.8

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

