Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121721\
Data File : BM033514.D
Acq On : 17 Dec 2021 20:06
Operator : CG/JU
Sample : M5084-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C1

Quant Time: Dec 18 04:56:08 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM121621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 17:10:15 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	43023	20.000	ng	0.00
21) Naphthalene-d8	10.748	136	192928	20.000	ng	# 0.00
39) Acenaphthene-d10	14.583	164	151221	20.000	ng	0.00
64) Phenanthrene-d10	17.336	188	294334	20.000	ng	0.00
76) Chrysene-d12	21.506	240	186542	20.000	ng	# 0.00
86) Perylene-d12	23.918	264	148102	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.501	112	165068	66.204	ng	0.00
7) Phenol-d6	7.101	99	133527	39.906	ng	-0.01
23) Nitrobenzene-d5	9.107	82	436551	97.158	ng	0.00
42) 2,4,6-Tribromophenol	16.083	330	245875	144.541	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	1029637	94.187	ng	0.00
79) Terphenyl-d14	19.953	244	1365372	115.231	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.378	88	126	Below Cal	#	1
9) Benzaldehyde	7.060	77	2071	Below Cal	#	7
18) Hexachloroethane	9.042	117	108072	76.968	ng	# 1
24) Nitrobenzene	9.125	77	35247	7.986	ng	# 15
25) Isophorone	9.654	82	21263	2.923	ng	# 1
28) bis(2-Chloroethoxy)met...	10.148	93	10085	2.524	ng	# 48
32) Benzoic acid	10.060	122	764	3.369	ng	# 1
35) Caprolactam	11.766	113	50552	88.555	ng	# 48
49) Acenaphthylene	14.313	152	31024	2.262	ng	# 1
51) 2,6-Dinitrotoluene	14.283	165	4544	2.099	ng	88
52) Acenaphthene	14.648	154	84487	10.144	ng	94
54) 2,4-Dinitrophenol	14.671	184	482	7.431	ng	# 1
55) Dibenzofuran	14.983	168	93545	6.627	ng	# 23
56) 4-Nitrophenol	14.795	139	42656	29.017	ng	# 43
57) 2,4-Dinitrotoluene	14.989	165	27996	9.457	ng	# 45
58) Fluorene	15.636	166	187001	16.509	ng	# 95
62) 4-Nitroaniline	15.671	138	515	2.799	ng	# 24
66) n-Nitrosodiphenylamine	15.842	169	149768	17.140	ng	# 57
69) Atrazine	16.789	200	5034	2.717	ng	# 51
71) Phenanthrene	17.377	178	366530	22.375	ng	# 95
75) Fluoranthene	19.389	202	68046	3.611	ng	92
78) Pyrene	19.747	202	101087	6.868	ng	# 91

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

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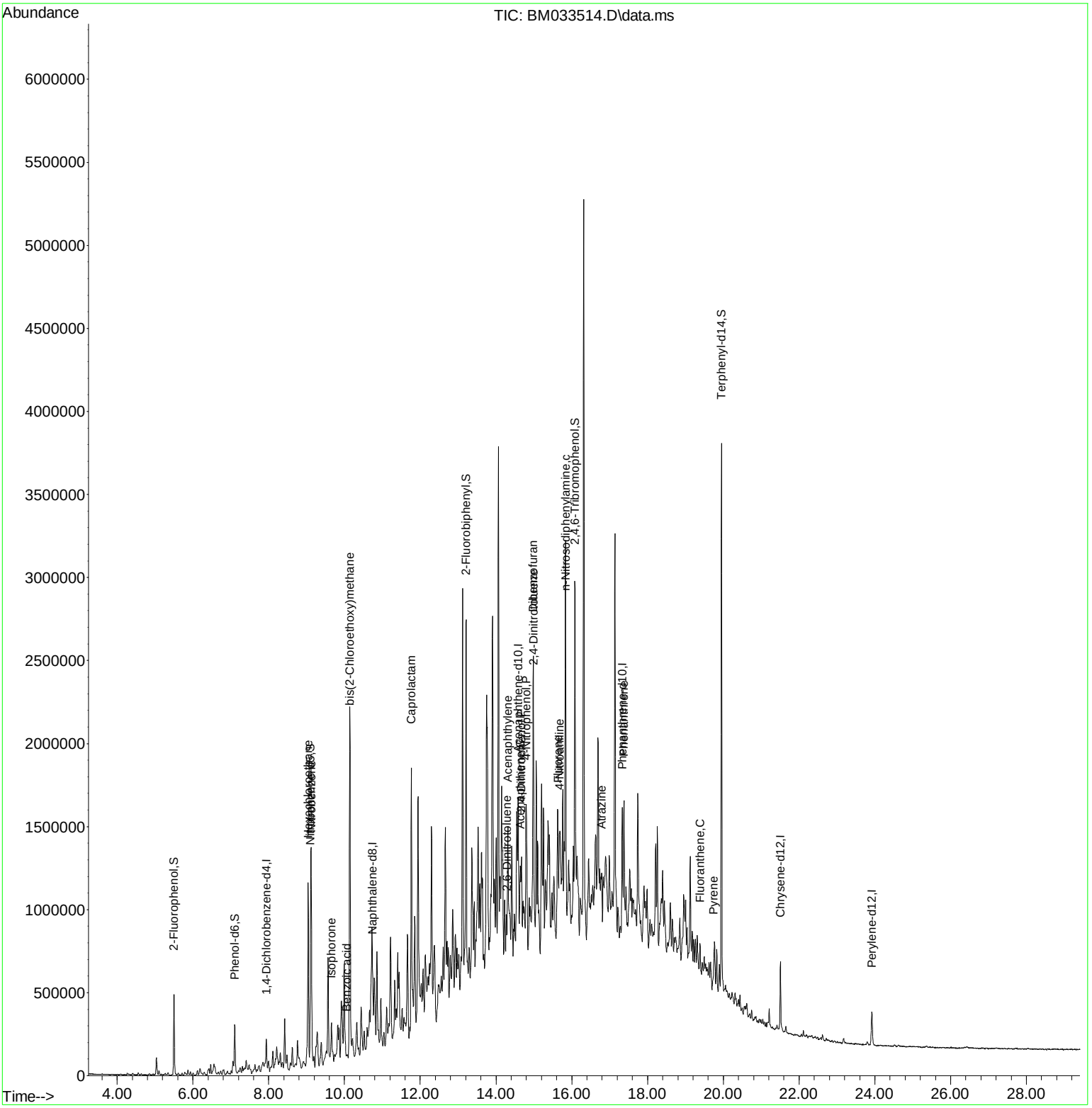
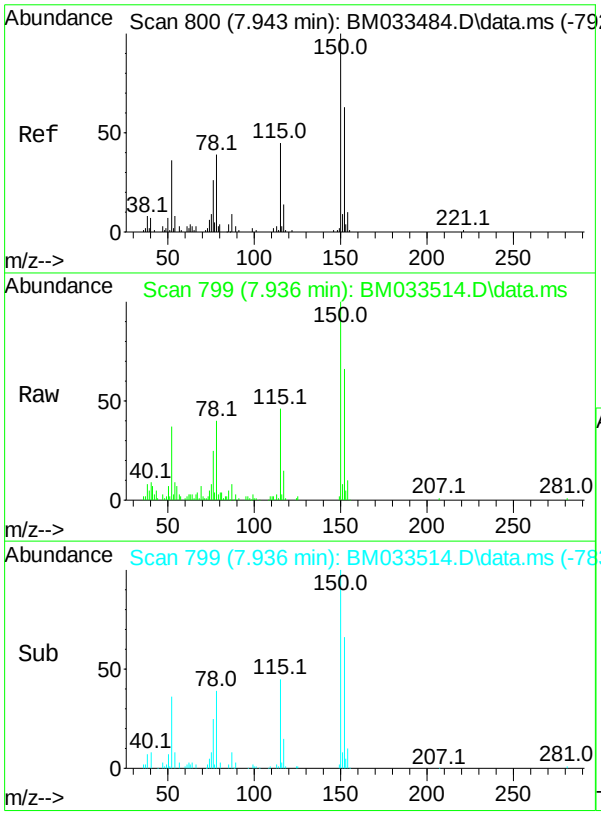


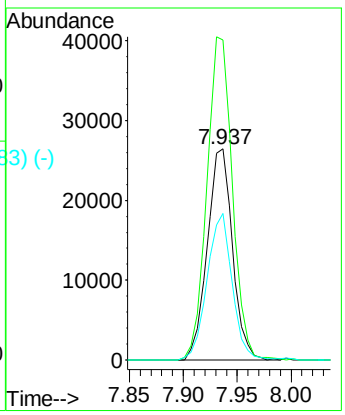


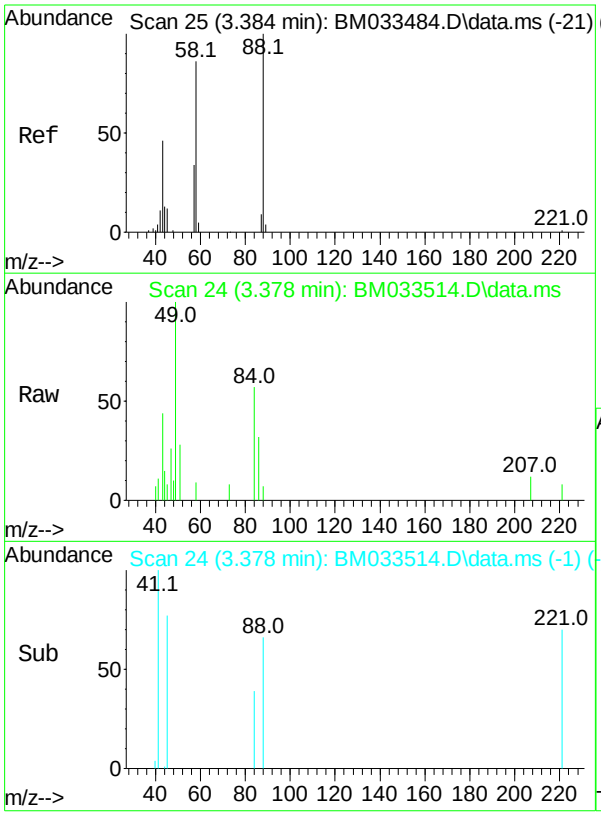
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.936 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Instrument :
BNA_M
ClientSampleId :
C1

Tgt Ion:152 Resp: 43023

Ion	Ratio	Lower	Upper
152	100		
150	151.5	128.9	193.3
115	69.4	53.0	79.6

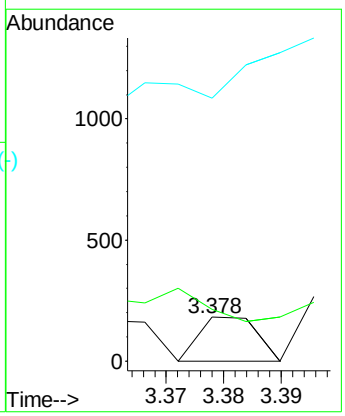


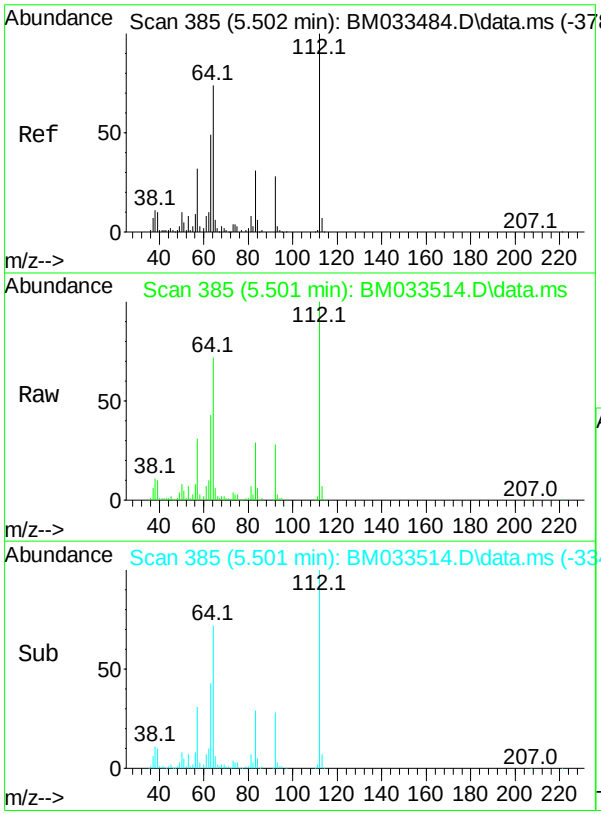


#2
1,4-Dioxane
Concen: Below Cal
RT: 3.378 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion: 88 Resp: 126

Ion	Ratio	Lower	Upper
88	100		
58	193.7	67.0	100.4#
43	0.0	31.6	47.4#



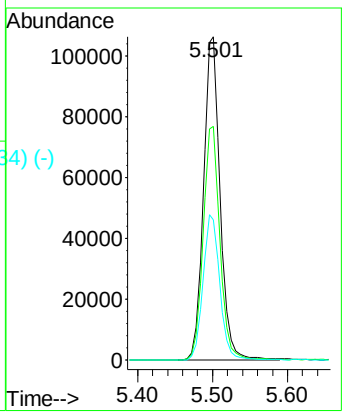


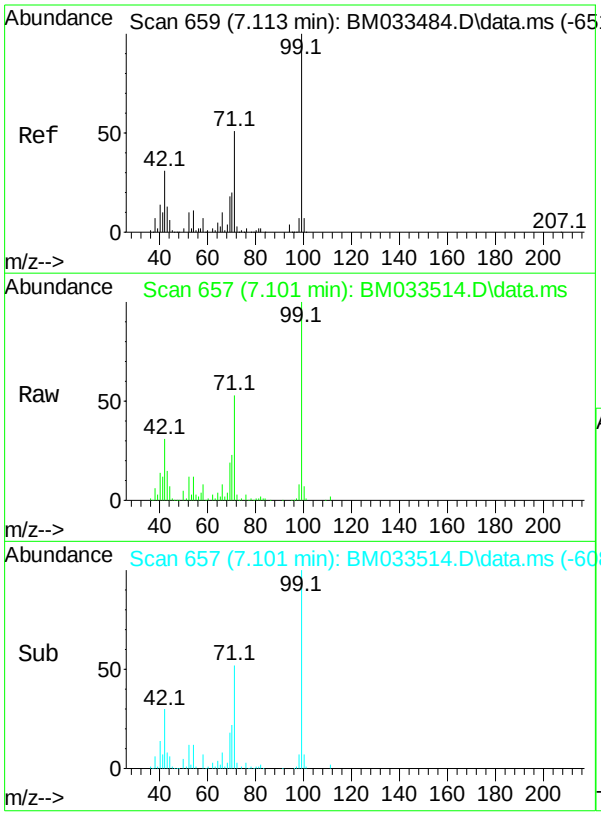
#5
2-Fluorophenol
Concen: 66.204 ng
RT: 5.501 min Scan# 1
Delta R.T. -0.001 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Instrument :
BNA_M
ClientSampleId :
C1

Tgt Ion:112 Resp: 165068

Ion	Ratio	Lower	Upper
112	100		
64	72.2	55.5	83.3
63	43.4	31.3	46.9

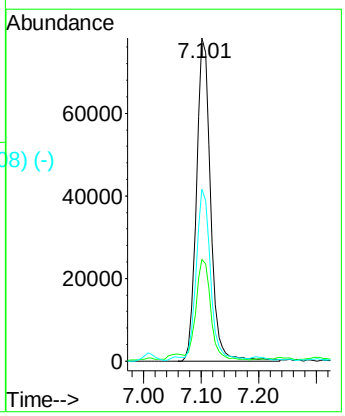


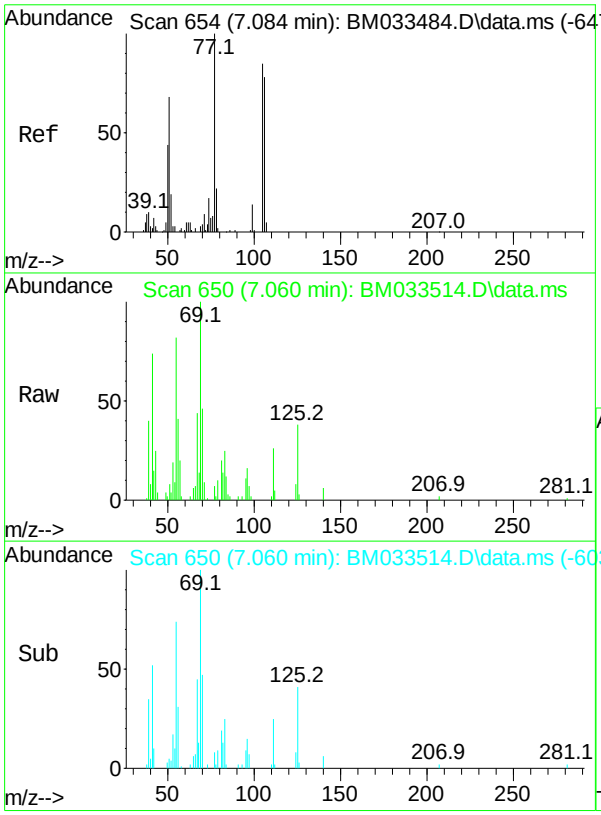


#7
Phenol-d6
Concen: 39.906 ng
RT: 7.101 min Scan# 657
Delta R.T. -0.012 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion: 99 Resp: 133527

Ion	Ratio	Lower	Upper
99	100		
42	31.5	20.3	30.5#
71	53.3	34.5	51.7#



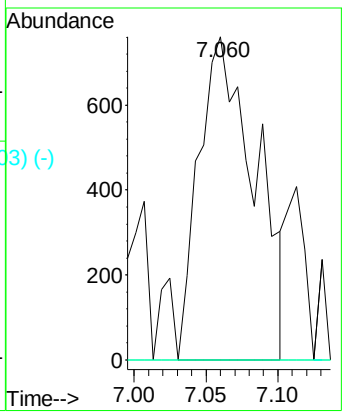


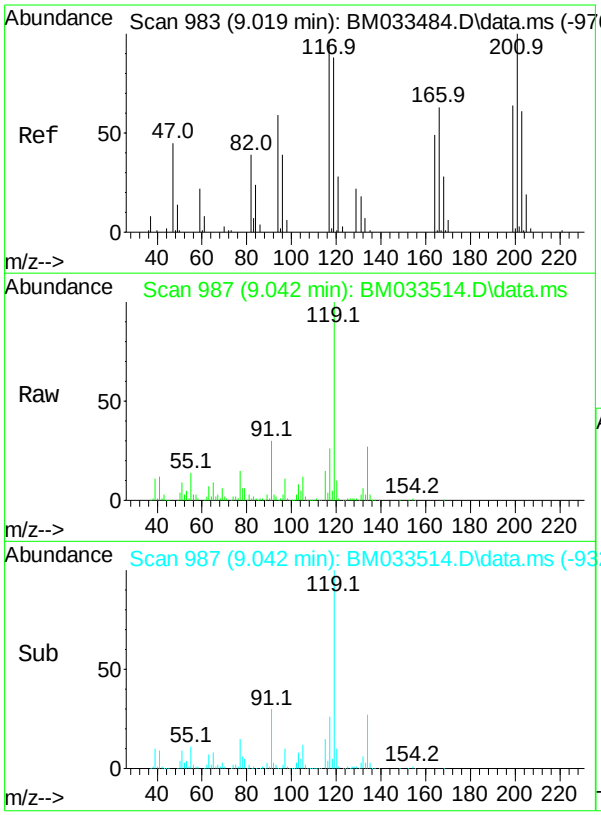
#9
Benzaldehyde
Concen: Below Cal
RT: 7.060 min Scan# 6
Delta R.T. -0.024 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Instrument :
BNA_M
ClientSampleId :
C1

Tgt Ion: 77 Resp: 2071

Ion	Ratio	Lower	Upper
77	100		
105	0.0	67.1	107.1#
106	0.0	64.3	104.3#

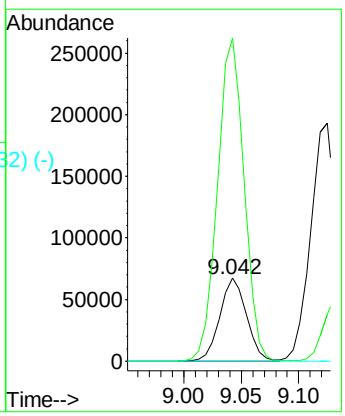


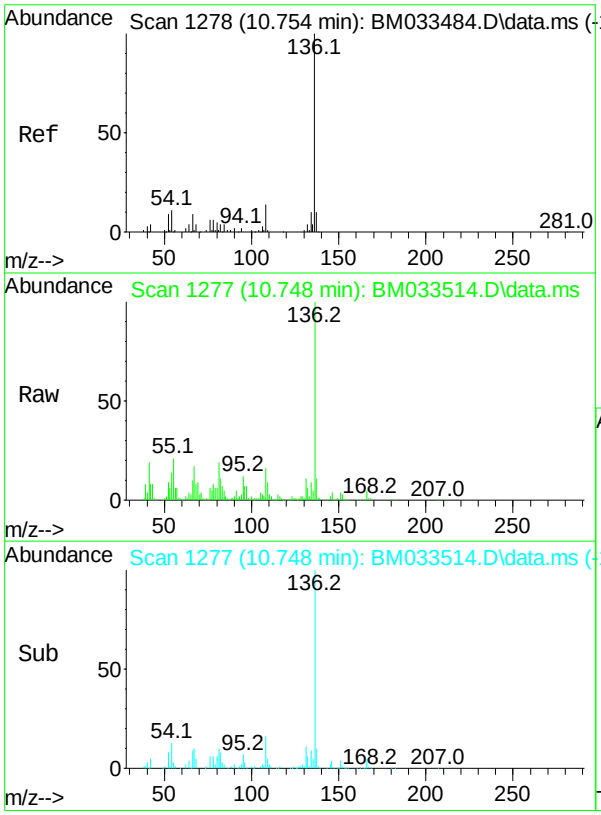


#18
Hexachloroethane
Concen: 76.968 ng
RT: 9.042 min Scan# 987
Delta R.T. 0.023 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:117 Resp: 108072

Ion	Ratio	Lower	Upper
117	100		
119	389.1	75.0	112.6#
201	0.0	75.2	112.8#



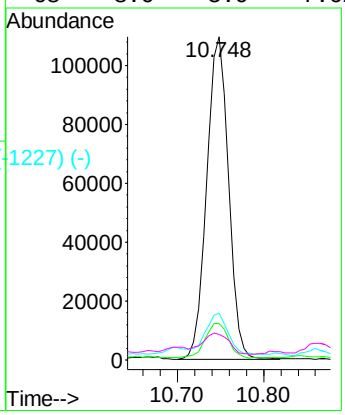


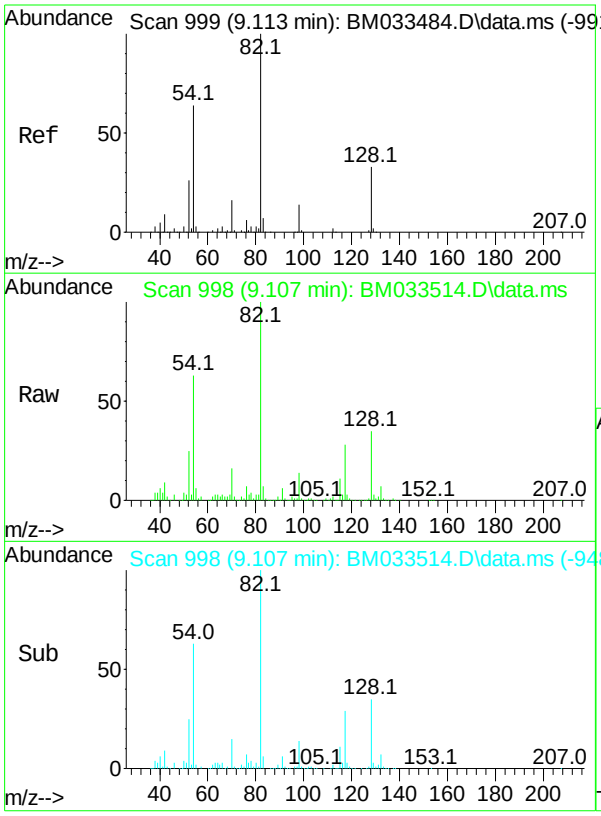
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Instrument :
BNA_M
ClientSampleId :
C1

Tgt Ion:136 Resp: 192928

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	14.5	8.3	12.5#
68	8.0	5.0	7.6#

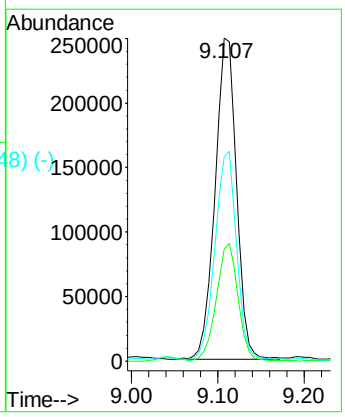


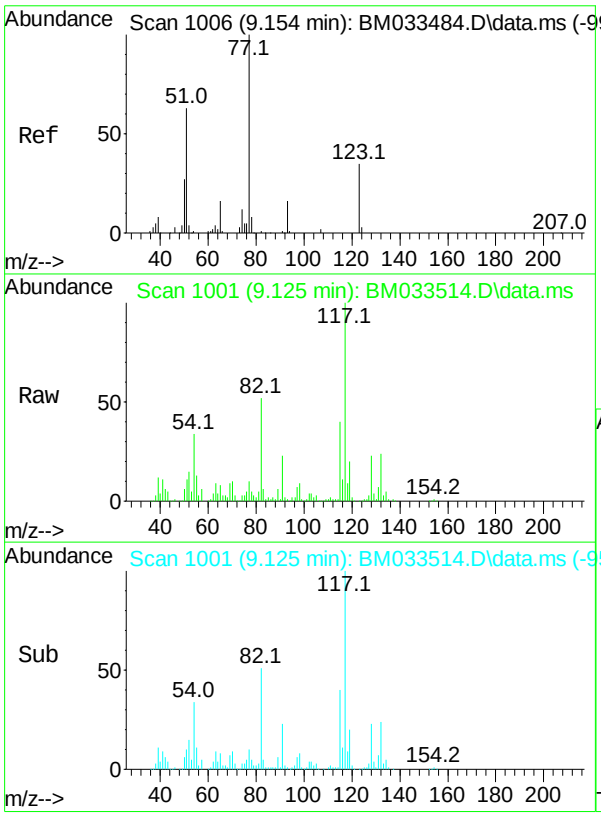


#23
Nitrobenzene-d5
Concen: 97.158 ng
RT: 9.107 min Scan# 998
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion: 82 Resp: 436551

Ion	Ratio	Lower	Upper
82	100		
128	34.6	28.1	42.1
54	63.3	46.1	69.1



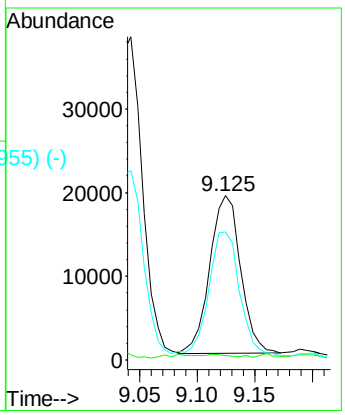


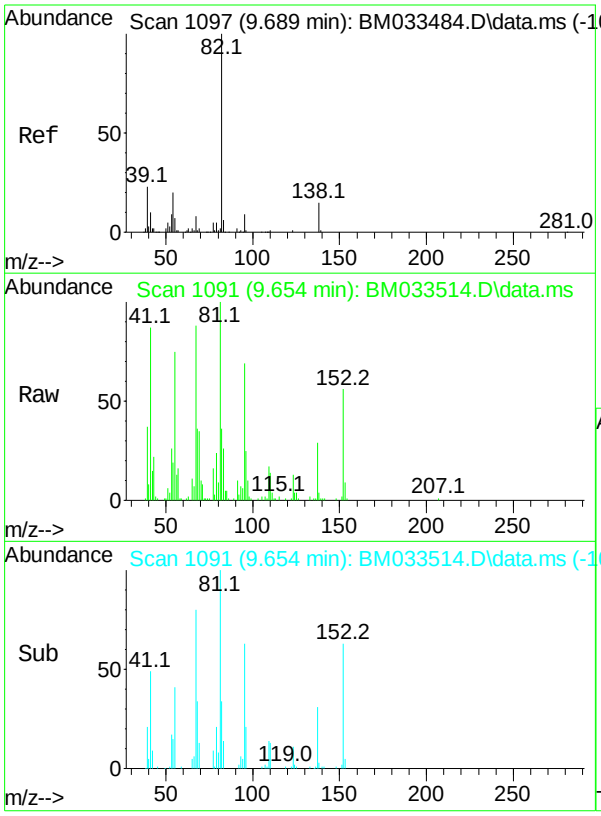
#24
Nitrobenzene
Concen: 7.986 ng
RT: 9.125 min Scan# 1
Delta R.T. -0.029 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Instrument :
BNA_M
ClientSampleId :
C1

Tgt Ion: 77 Resp: 35247

Ion	Ratio	Lower	Upper
77	100		
123	2.7	29.8	44.8#
65	77.9	11.5	17.3#

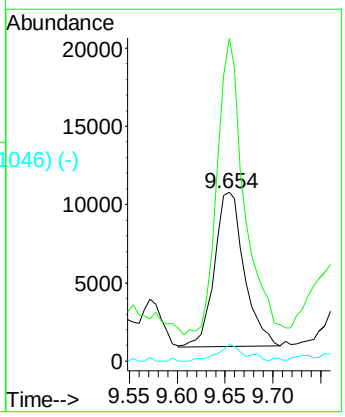


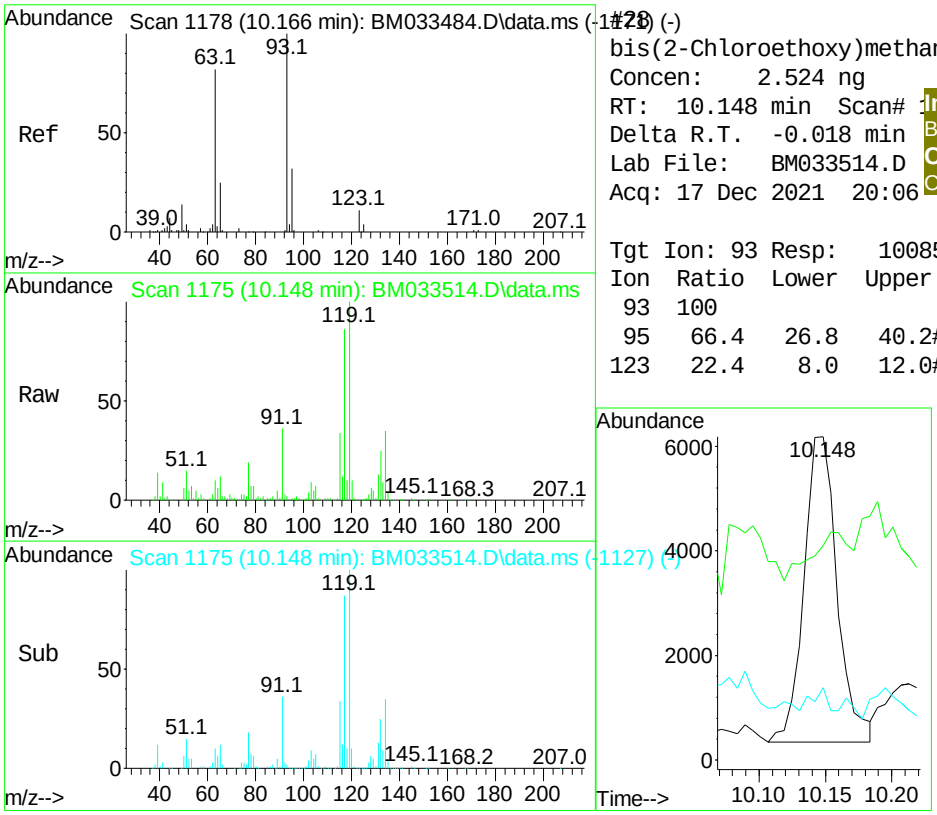


#25
Isophorone
Concen: 2.923 ng
RT: 9.654 min Scan# 1091
Delta R.T. -0.035 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion: 82 Resp: 21263

Ion	Ratio	Lower	Upper
82	100		
95	191.5	6.4	9.6#
138	9.8	12.4	18.6#



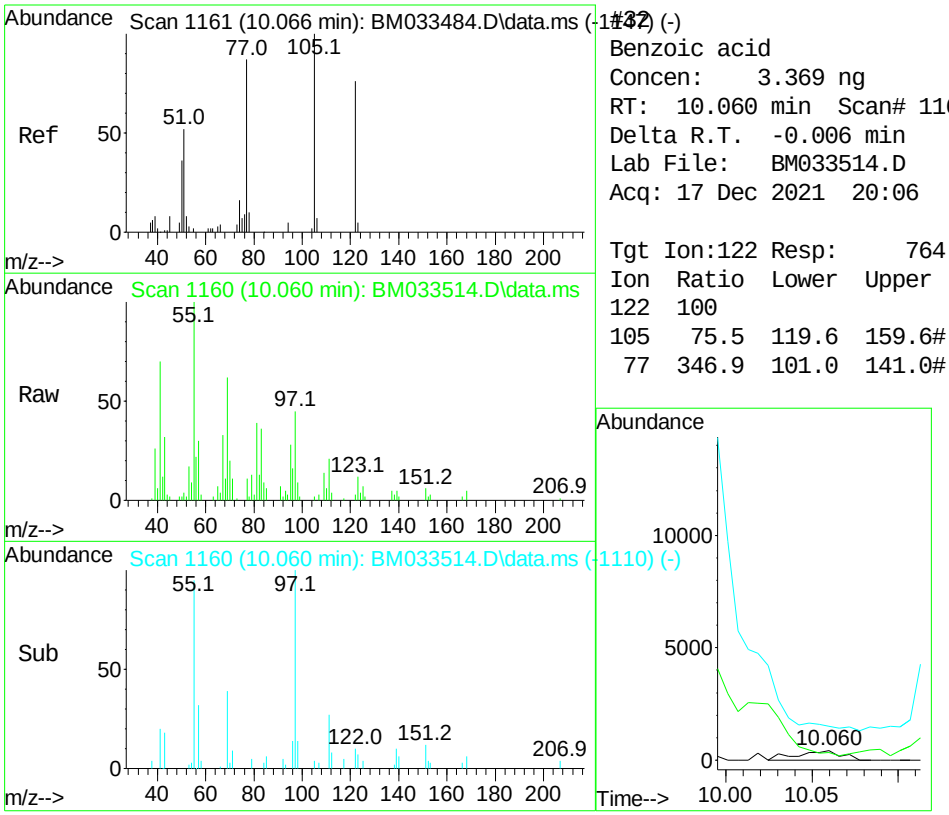


#28
bis(2-Chloroethoxy)methane
Concen: 2.524 ng
RT: 10.148 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Instrument :
BNA_M
ClientSampleId :
C1

Tgt Ion: 93 Resp: 10085

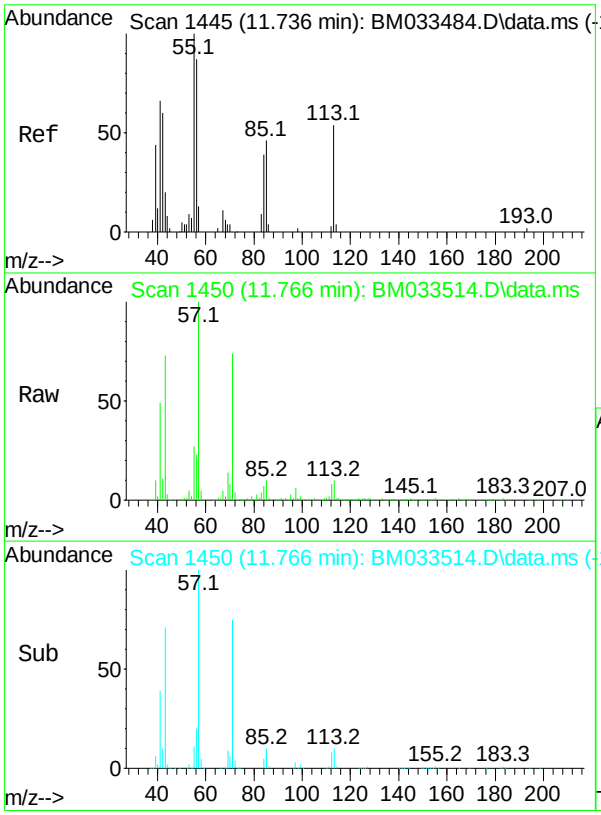
Ion	Ratio	Lower	Upper
93	100		
95	66.4	26.8	40.2#
123	22.4	8.0	12.0#



#32
Benzoic acid
Concen: 3.369 ng
RT: 10.060 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:122 Resp: 764

Ion	Ratio	Lower	Upper
122	100		
105	75.5	119.6	159.6#
77	346.9	101.0	141.0#

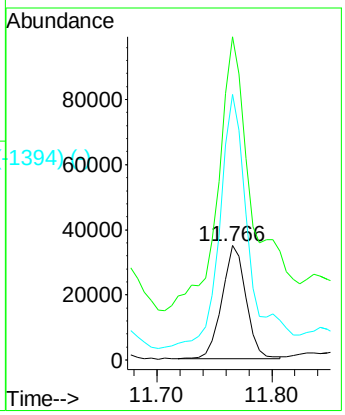


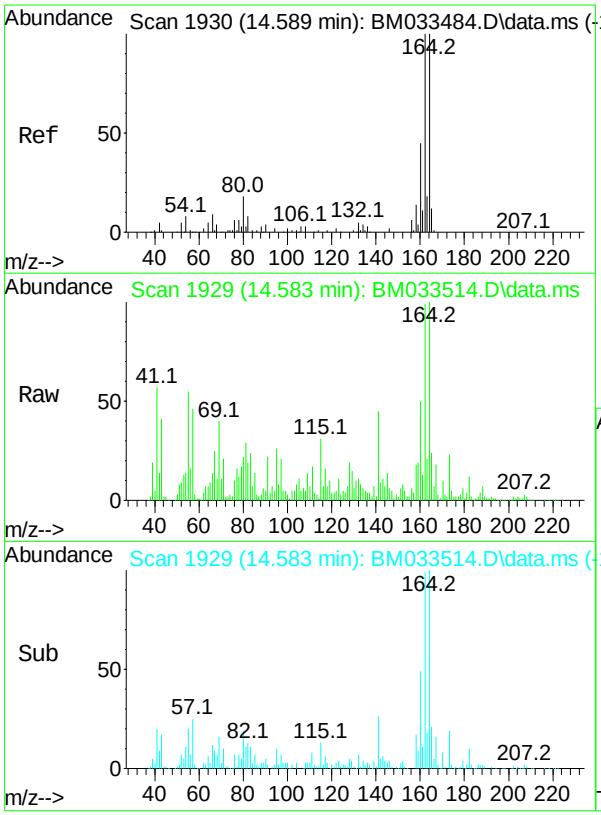
#35
Caprolactam
Concen: 88.555 ng
RT: 11.766 min Scan# 1
Delta R.T. 0.030 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Instrument :
BNA_M
ClientSampleId :
C1

Tgt Ion:113 Resp: 50552

Ion	Ratio	Lower	Upper
113	100		
55	282.9	183.6	223.6#
56	232.6	143.7	183.7#

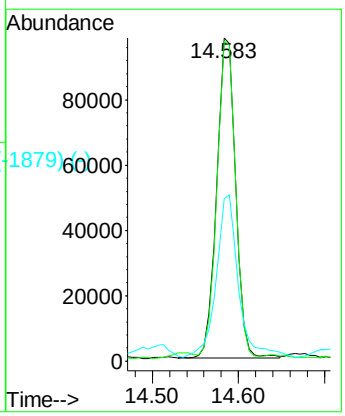


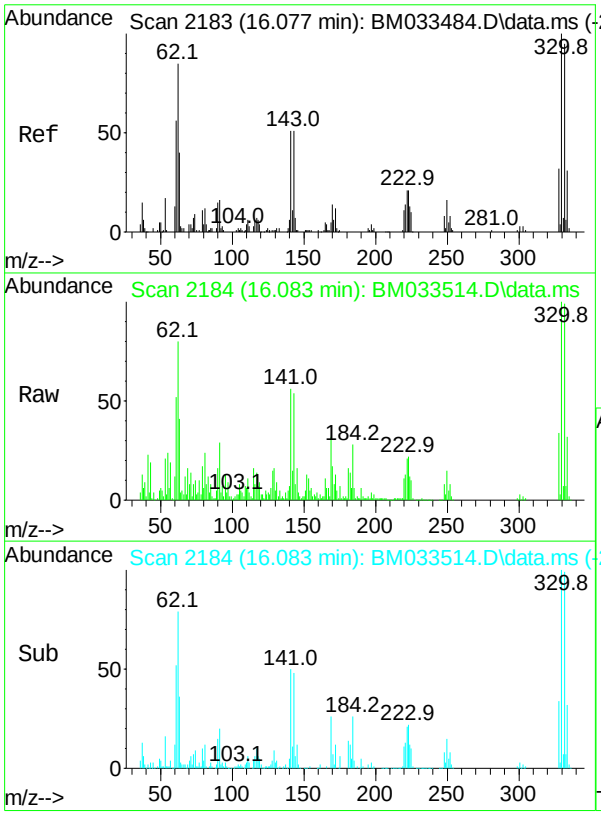


#32
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1929
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:164 Resp: 151221

Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.7	119.5
160	50.4	34.2	51.4



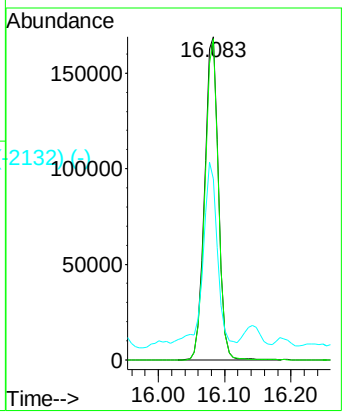


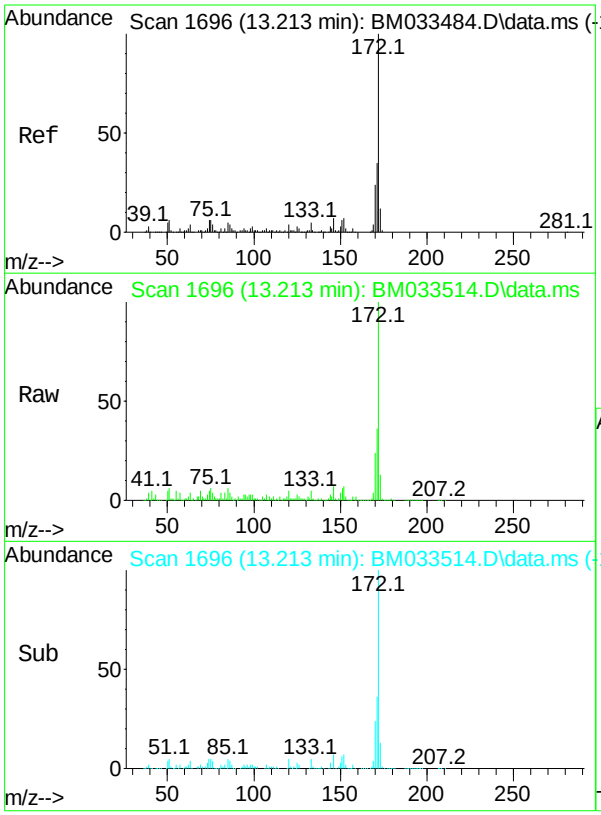
#42
2,4,6-Tribromophenol
Concen: 144.541 ng
RT: 16.083 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Instrument :
BNA_M
ClientSampleId :
C1

Tgt Ion:330 Resp: 245875

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.5	114.7
141	56.8	35.9	53.9#

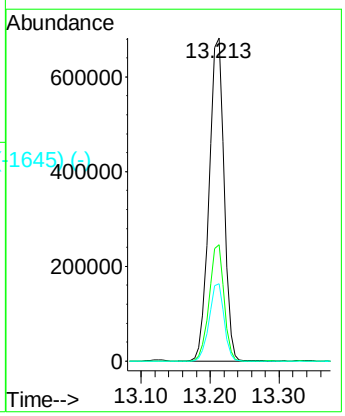


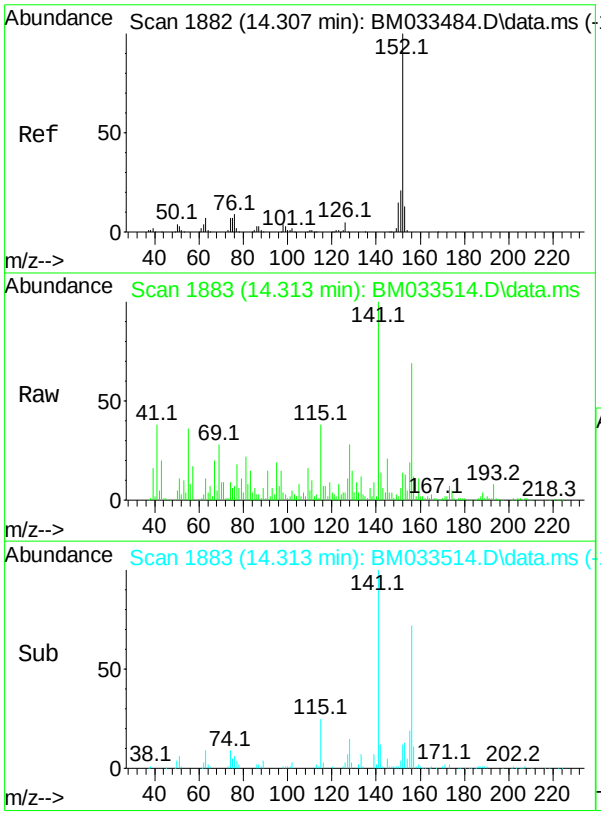


#45
2-Fluorobiphenyl
Concen: 94.187 ng
RT: 13.213 min Scan# 1696
Delta R.T. -0.000 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:172 Resp: 1029637

Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.2	40.8
170	24.0	18.7	28.1



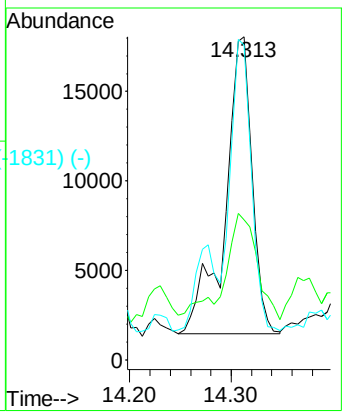


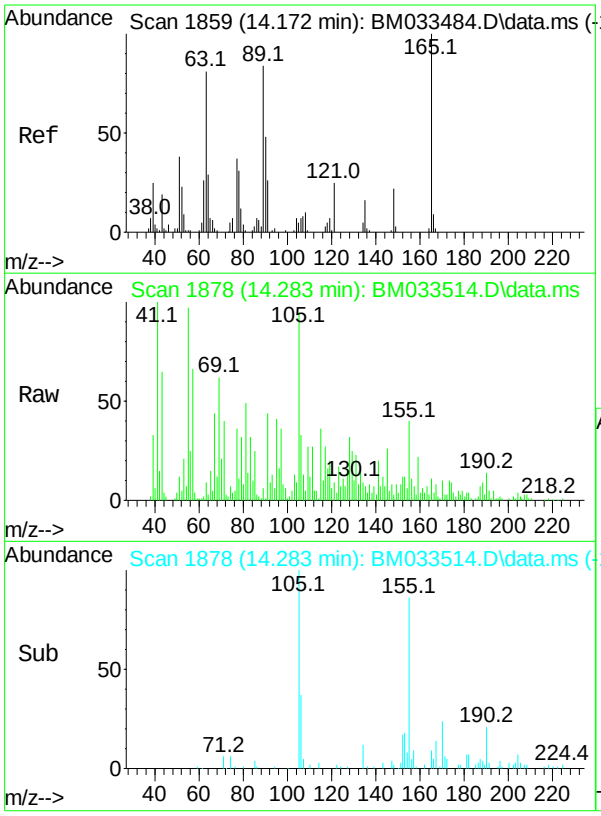
#49
Acenaphthylene
Concen: 2.262 ng
RT: 14.313 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Instrument :
BNA_M
ClientSampleId :
C1

Tgt Ion:152 Resp: 31024

Ion	Ratio	Lower	Upper
152	100		
151	43.4	15.4	23.2#
153	97.4	10.4	15.6#

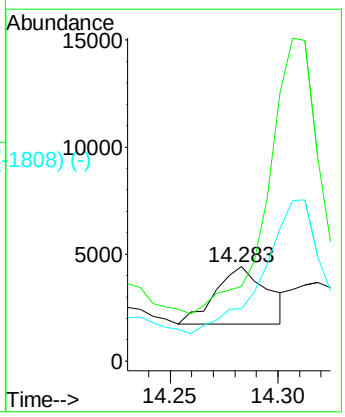


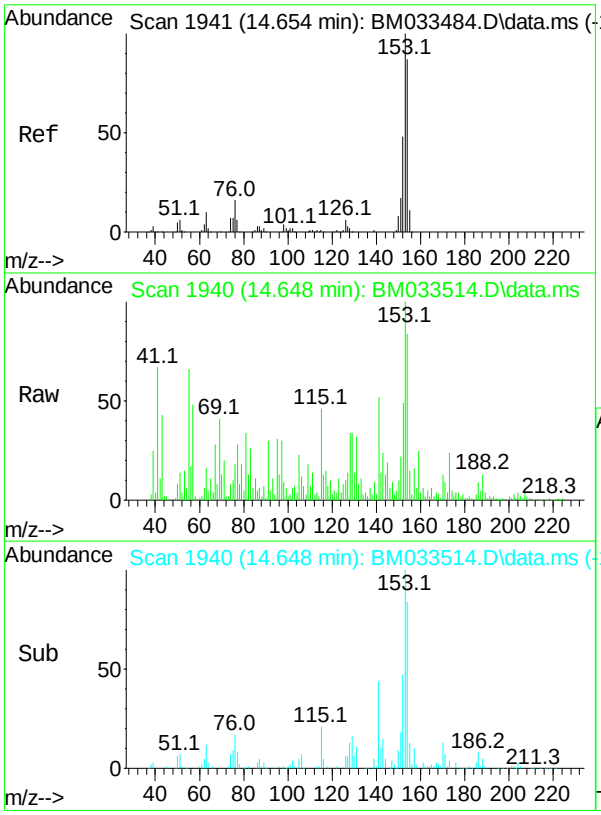


#51
2,6-Dinitrotoluene
Concen: 2.099 ng
RT: 14.283 min Scan# 1878
Delta R.T. 0.111 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:165 Resp: 4544

Ion	Ratio	Lower	Upper
165	100		
63	78.9	56.9	85.3
89	55.6	54.3	81.5



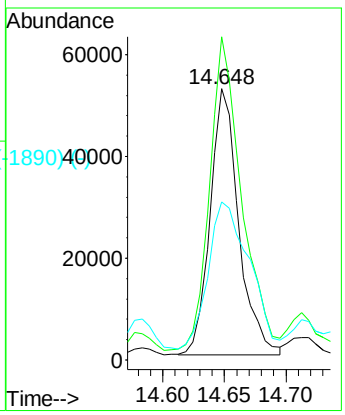


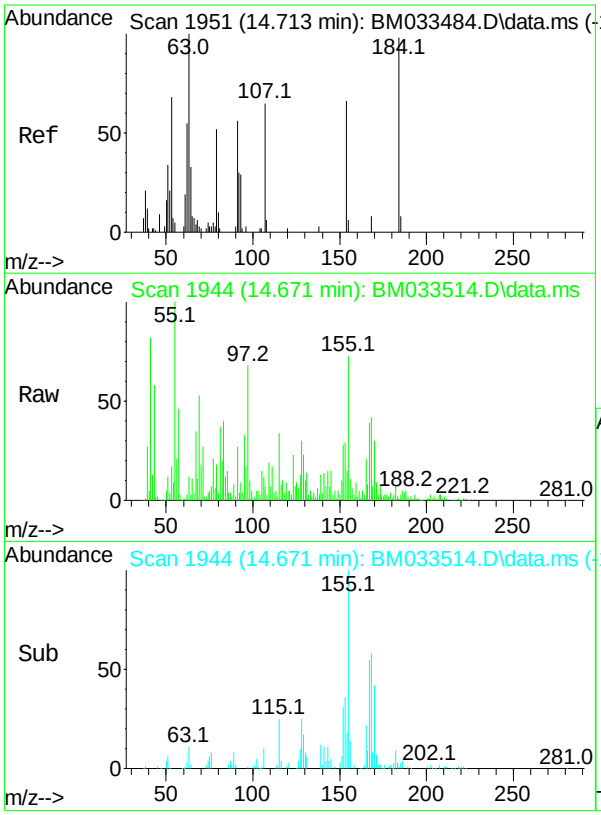
#52
Acenaphthene
Concen: 10.144 ng
RT: 14.648 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Instrument :
BNA_M
ClientSampleId :
C1

Tgt Ion:154 Resp: 84487

Ion	Ratio	Lower	Upper
154	100		
153	119.1	90.2	135.4
152	58.2	43.5	65.3

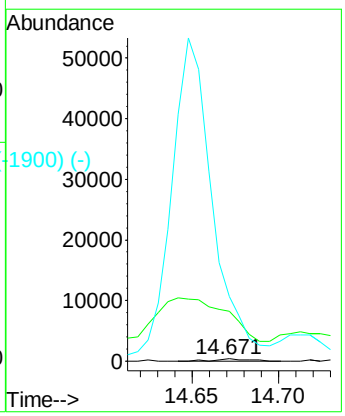


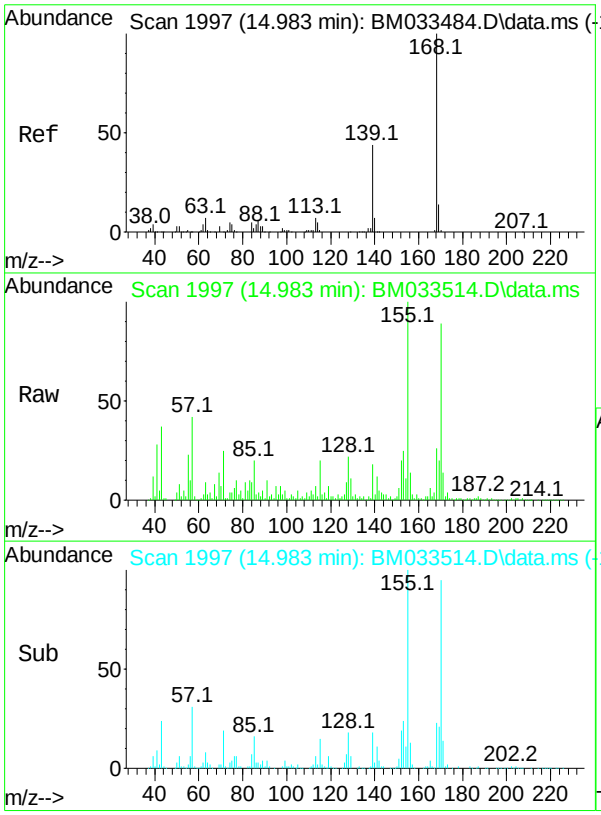


#54
2,4-Dinitrophenol
Concen: 7.431 ng
RT: 14.671 min Scan# 1944
Delta R.T. -0.042 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:184 Resp: 482

Ion	Ratio	Lower	Upper
184	100		
63	2260.5	71.8	107.6#
154	2913.7	55.7	83.5#



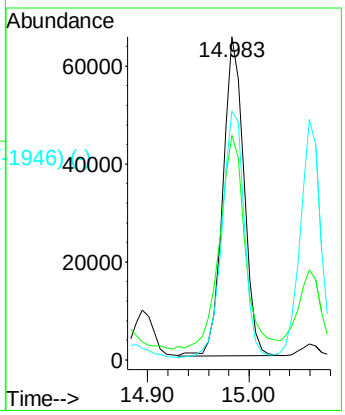


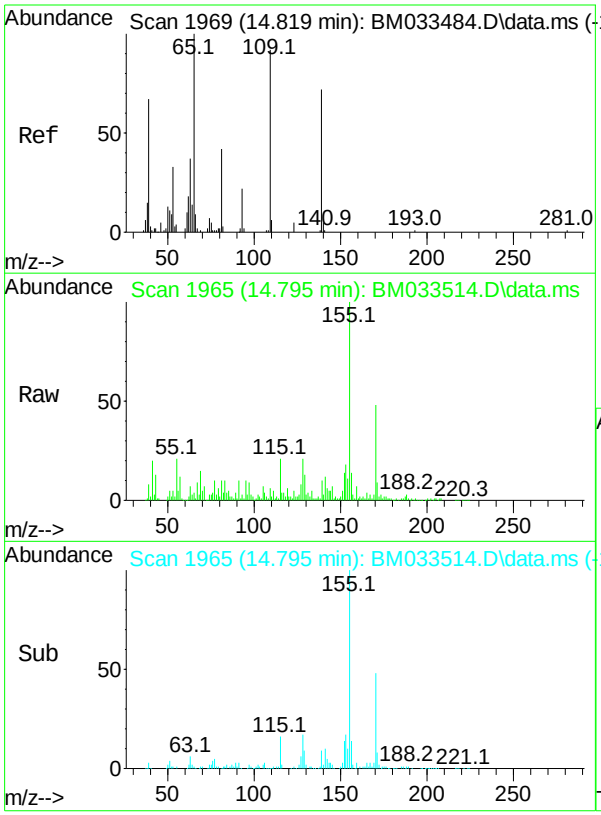
#55
Dibenzofuran
Concen: 6.627 ng
RT: 14.983 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Instrument :
BNA_M
ClientSampleId :
C1

Tgt Ion:168 Resp: 93545

Ion	Ratio	Lower	Upper
168	100		
139	69.4	31.4	47.2#
169	77.0	10.6	15.8#

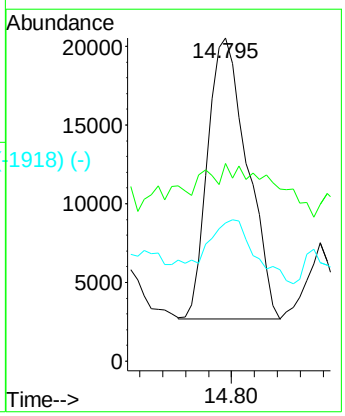


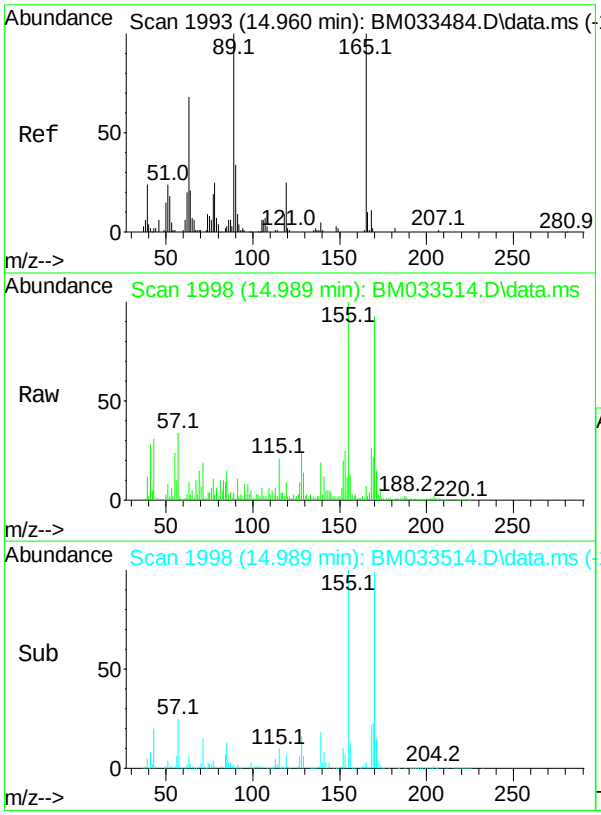


#52
4-Nitrophenol
Concen: 29.017 ng
RT: 14.795 min Scan# 1965
Delta R.T. -0.024 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:139 Resp: 42656

Ion	Ratio	Lower	Upper
139	100		
109	61.2	75.3	115.3#
65	42.8	107.4	147.4#



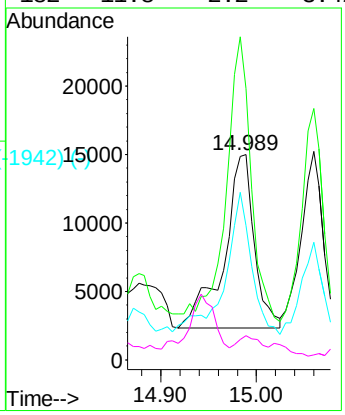


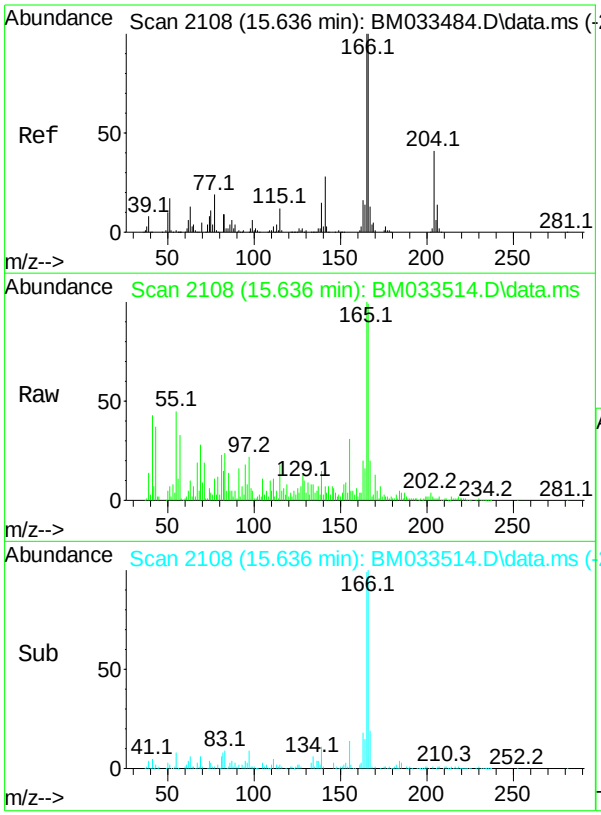
#57
2,4-Dinitrotoluene
Concen: 9.457 ng
RT: 14.989 min Scan# 1
Delta R.T. 0.029 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Instrument :
BNA_M
ClientSampleId :
C1

Tgt Ion:165 Resp: 27996

Ion	Ratio	Lower	Upper
165	100		
63	132.3	46.2	69.4#
89	65.5	72.0	108.0#
182	11.8	2.2	3.4#

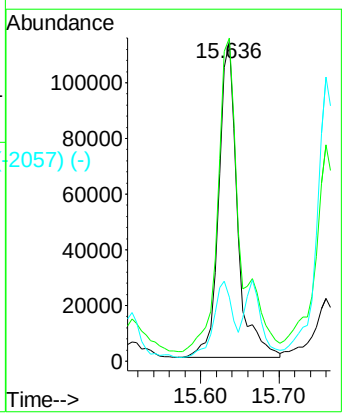


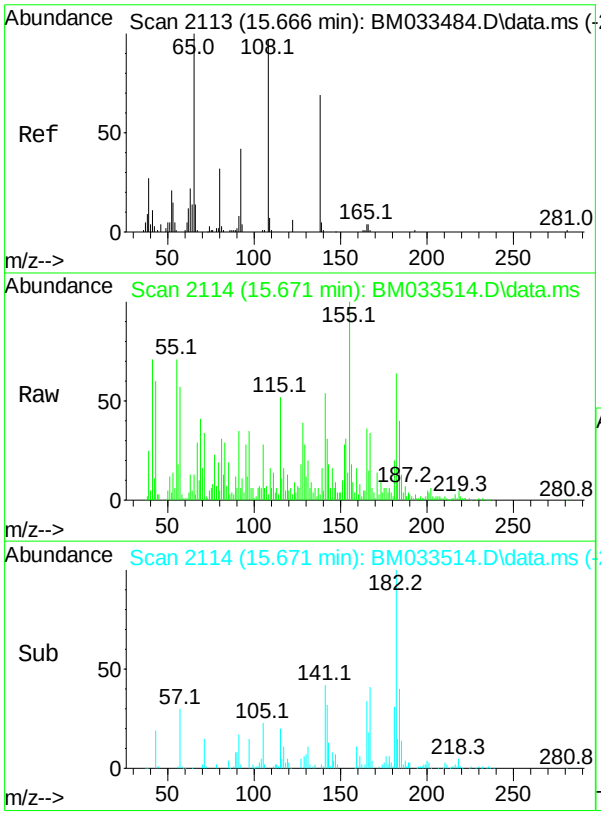


#58
Fluorene
Concen: 16.509 ng
RT: 15.636 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:166 Resp: 187001

Ion	Ratio	Lower	Upper
166	100		
165	100.9	78.1	117.1
167	20.0	10.6	15.8#



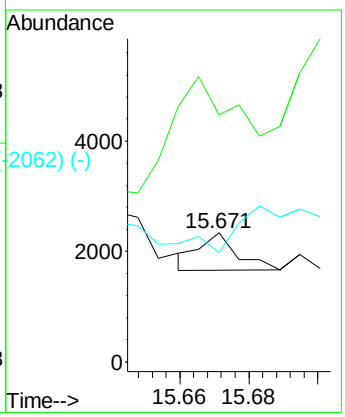


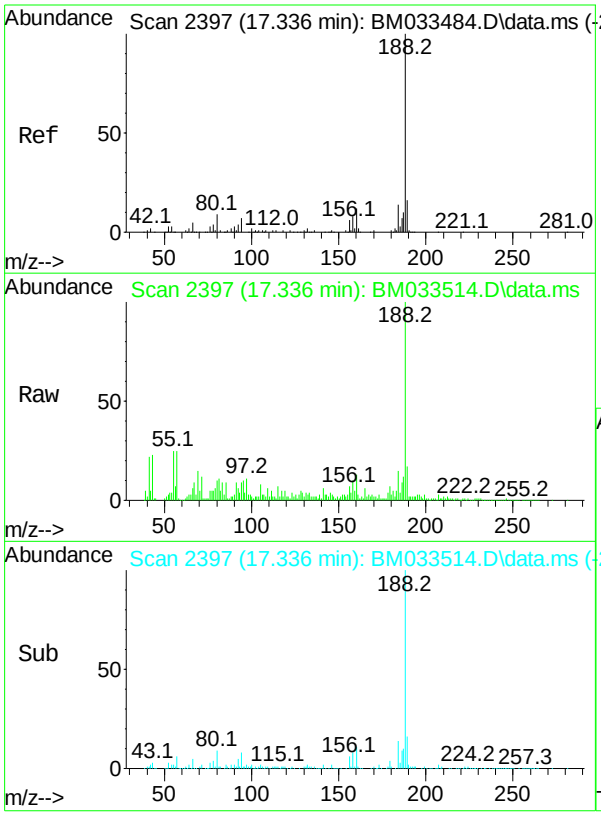
#62
4-Nitroaniline
Concen: 2.799 ng
RT: 15.671 min Scan# 2
Delta R.T. 0.005 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Instrument :
BNA_M
ClientSampleId :
C1

Tgt Ion:138 Resp: 515

Ion	Ratio	Lower	Upper
138	100		
92	190.6	38.7	78.7#
108	84.3	81.9	121.9

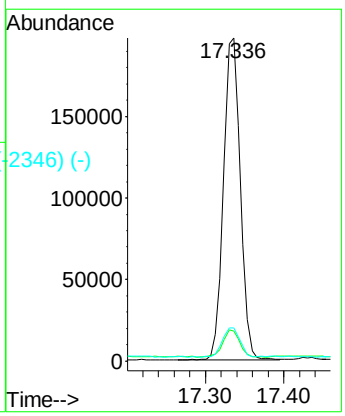


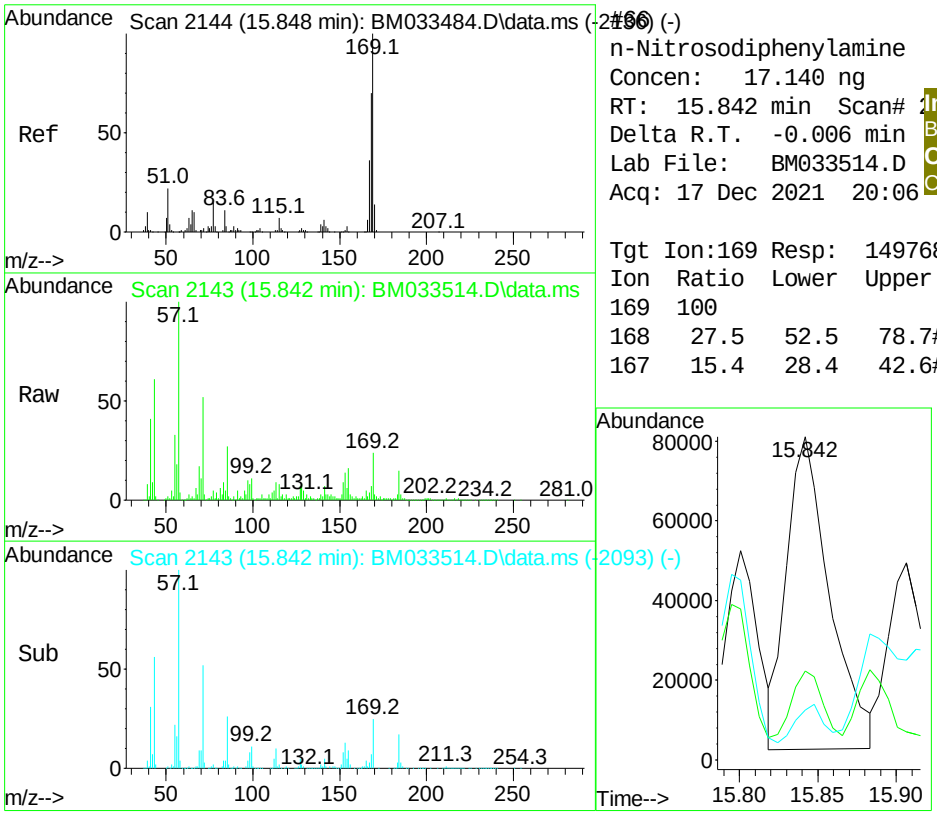


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.336 min Scan# 2397
Delta R.T. -0.000 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:188 Resp: 294334

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.5	11.3
80	10.3	8.9	13.3



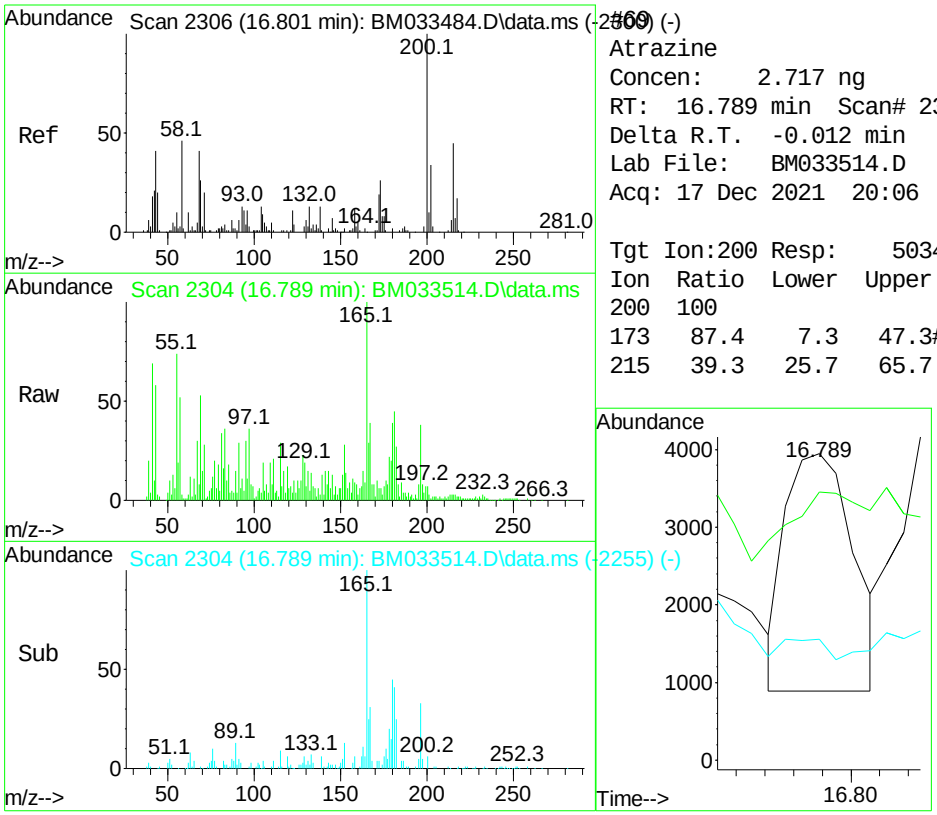


#66
n-Nitrosodiphenylamine
Concen: 17.140 ng
RT: 15.842 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Instrument :
BNA_M
ClientSampleId :
C1

Tgt Ion:169 Resp: 149768

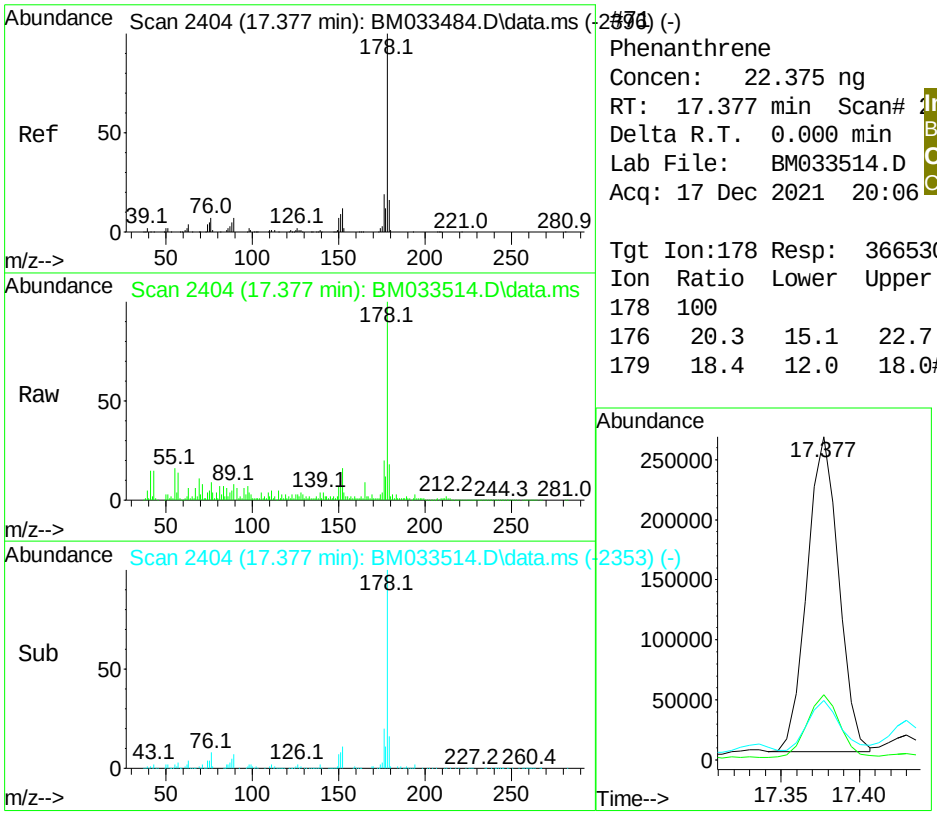
Ion	Ratio	Lower	Upper
169	100		
168	27.5	52.5	78.7#
167	15.4	28.4	42.6#



#69
Atrazine
Concen: 2.717 ng
RT: 16.789 min Scan# 2304
Delta R.T. -0.012 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:200 Resp: 5034

Ion	Ratio	Lower	Upper
200	100		
173	87.4	7.3	47.3#
215	39.3	25.7	65.7

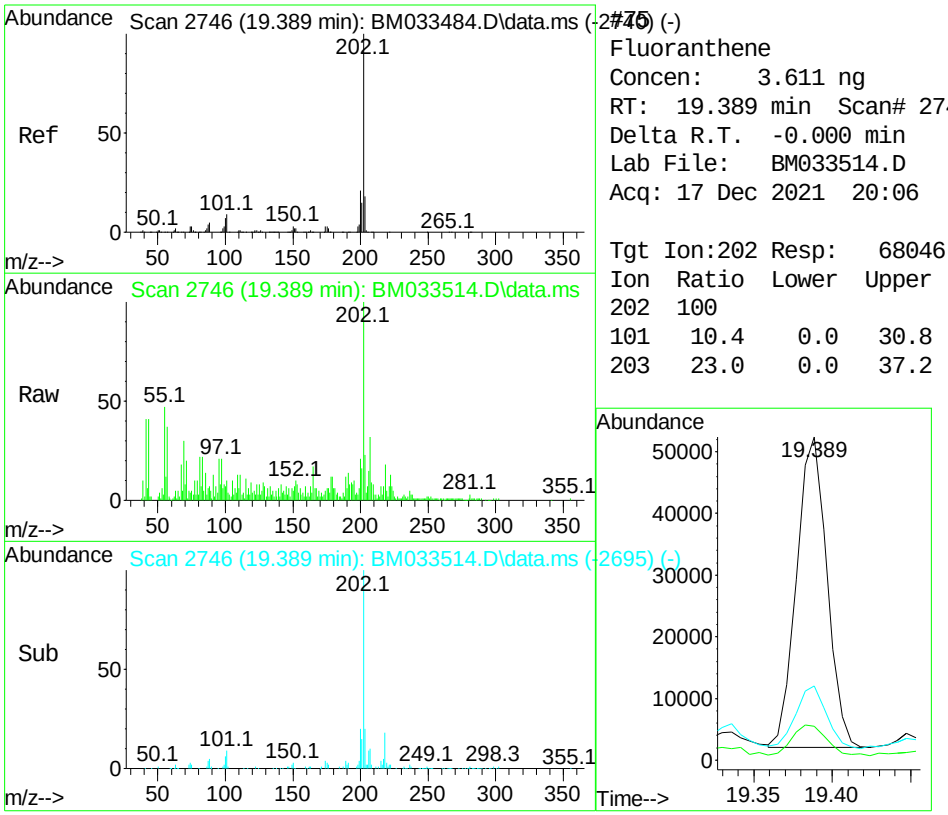


#74
Phenanthrene
Concen: 22.375 ng
RT: 17.377 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Instrument :
BNA_M
ClientSampleId :
C1

Tgt Ion:178 Resp: 366530

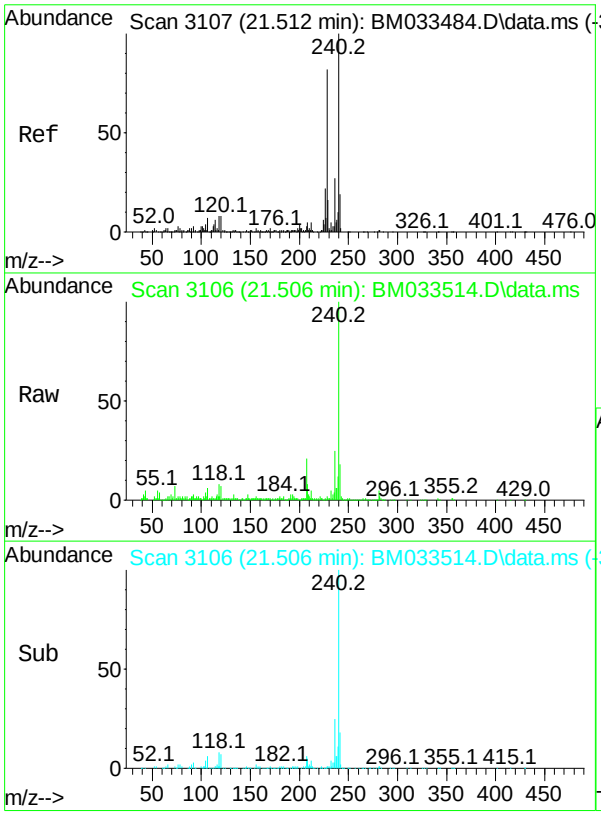
Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.1	22.7
179	18.4	12.0	18.0#



#75
Fluoranthene
Concen: 3.611 ng
RT: 19.389 min Scan# 2746
Delta R.T. -0.000 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:202 Resp: 68046

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.8
203	23.0	0.0	37.2

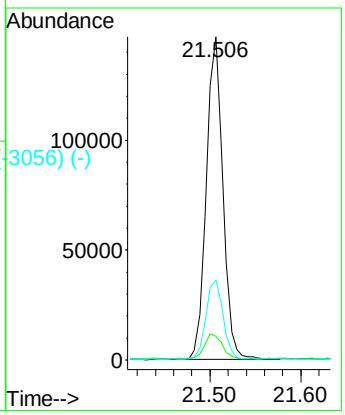


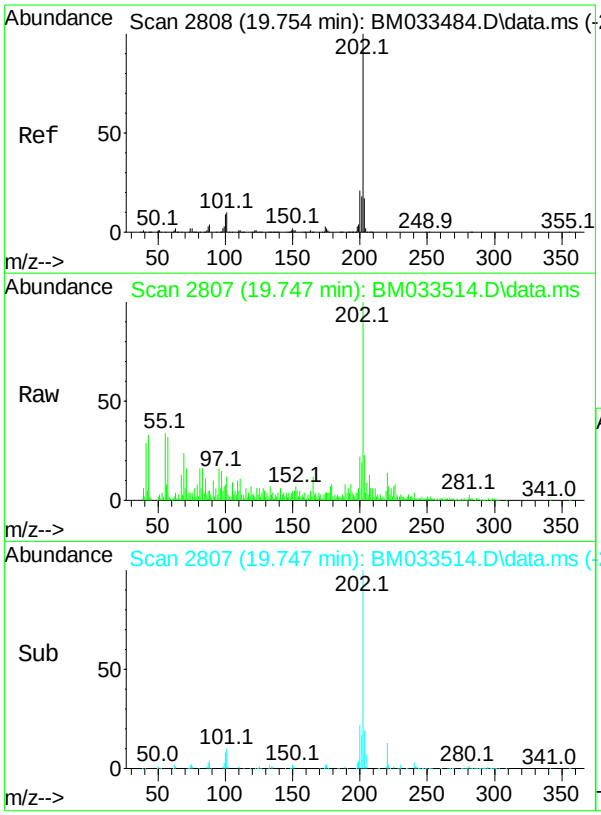
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.506 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Instrument :
BNA_M
ClientSampleId :
C1

Tgt Ion:240 Resp: 186542

Ion	Ratio	Lower	Upper
240	100		
120	7.4	7.8	11.6#
236	24.7	20.3	30.5

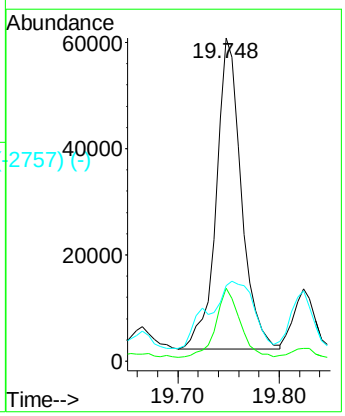


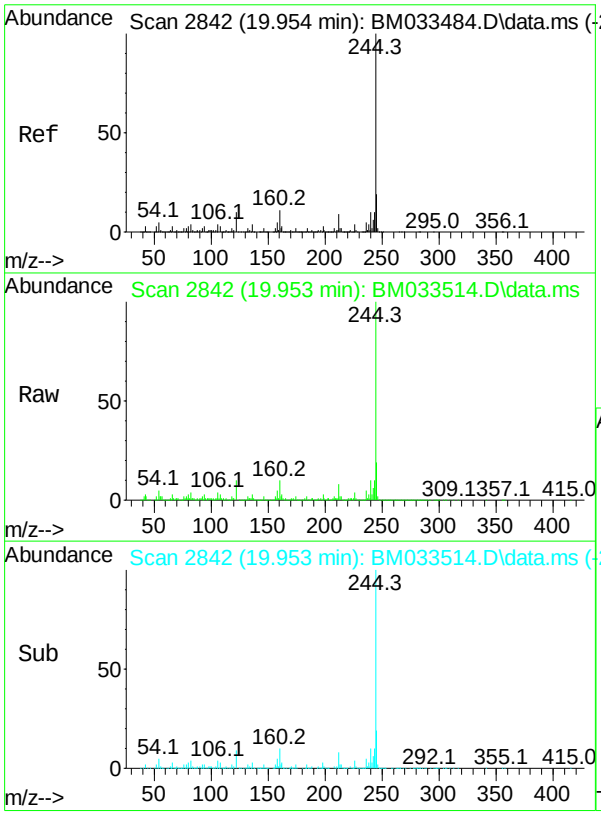


#78
Pyrene
Concen: 6.868 ng
RT: 19.747 min Scan# 2807
Delta R.T. -0.007 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:202 Resp: 101087

Ion	Ratio	Lower	Upper
202	100		
200	22.5	16.4	24.6
203	23.4	13.5	20.3#



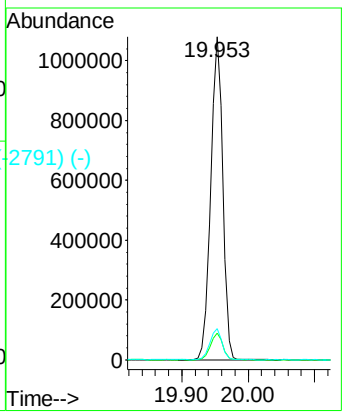


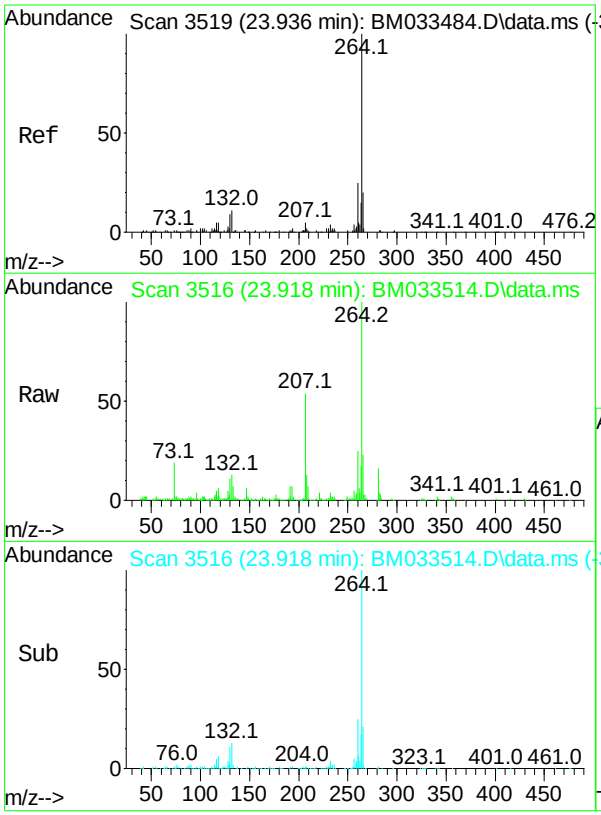
#79
Terphenyl-d14
Concen: 115.231 ng
RT: 19.953 min Scan# 2
Delta R.T. -0.001 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Instrument :
BNA_M
ClientSampleId :
C1

Tgt Ion:244 Resp: 1365372

Ion	Ratio	Lower	Upper
244	100		
212	8.4	5.9	8.9
122	9.6	8.4	12.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.918 min Scan# 3516
Delta R.T. -0.018 min
Lab File: BM033514.D
Acq: 17 Dec 2021 20:06

Tgt Ion:264 Resp: 148102

Ion	Ratio	Lower	Upper
264	100		
260	25.0	17.7	26.5
265	22.9	17.7	26.5