Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
Data File : BF126232.D
Acq On : 17 Dec 2021 13:29
Operator : JU/CG
Sample : M5083-14
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Dec 17 13:55:25 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 12:22:48 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	210472	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	878124	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	378745	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	475197	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	285593	20.000	ng	0.01
86) Perylene-d12	15.427	264	313316	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	1795920	125.659	ng	0.02
7) Phenol-d6	6.445	99	2334084	128.619	ng	0.00
23) Nitrobenzene-d5	7.381	82	1530291	94.382	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	369355	121.348	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1860534	86.157	ng	0.00
79) Terphenyl-d14	12.927	244	1185318	72.138	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	194227	17.434	ng	# 57
25) Isophorone	7.381	82	1484017	48.469	ng	# 59
31) Naphthalene	8.122	128	395795	9.638	ng	97
33) 4-Chloroaniline	8.122	127	49600	2.893	ng	# 33
37) 2-Methylnaphthalene	8.810	142	207436	8.202	ng	96
38) 1-Methylnaphthalene	8.910	142	124502	5.073	ng	94
46) 1,1'-Biphenyl	9.275	154	66040	2.358	ng	94
49) Acenaphthylene	9.710	152	106422	3.305	ng	# 96
51) 2,6-Dinitrotoluene	9.851	165	51976	10.009	ng	# 28
52) Acenaphthene	9.886	154	386423	18.507	ng	99
55) Dibenzofuran	10.057	168	302985	10.658	ng	96
56) 4-Nitrophenol	10.057	139	113376	23.781	ng	# 11
58) Fluorene	10.398	166	325416	15.812	ng	99
67) 4-Bromophenyl-phenylether	10.639	248	20224	4.535	ng	# 1
71) Phenanthrene	11.363	178	1057054	43.099	ng	98
72) Anthracene	11.410	178	218675	8.883	ng	98
73) Carbazole	11.563	167	124612	5.375	ng	99
75) Fluoranthene	12.557	202	1903717	86.150	ng	92
77) Benzidine	12.927	184	16252	3.610	ng	96
78) Pyrene	12.786	202	2140990	81.599	ng	95
81) Benzo(a)anthracene	13.968	228	898822	53.131	ng	96
83) Chrysene	14.004	228	1266442	72.052	ng	94
84) Bis(2-ethylhexyl)phtha...	13.962	149	69967	5.071	ng	98
87) Indeno(1,2,3-cd)pyrene	16.845	276	287732	13.768	ng	98
88) Benzo(b)fluoranthene	15.015	252	2086071	110.810	ng	# 96
89) Benzo(k)fluoranthene	15.015	252	2086071	115.834	ng	# 95
90) Benzo(a)pyrene	15.362	252	628640	40.178	ng	# 95
91) Dibenzo(a,h)anthracene	16.856	278	79925	4.705	ng	# 91
92) Benzo(g,h,i)perylene	17.274	276	204775	11.650	ng	93

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

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Instrument :
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Quant Time: Dec 17 13:55:25 2021
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 12:22:48 2021
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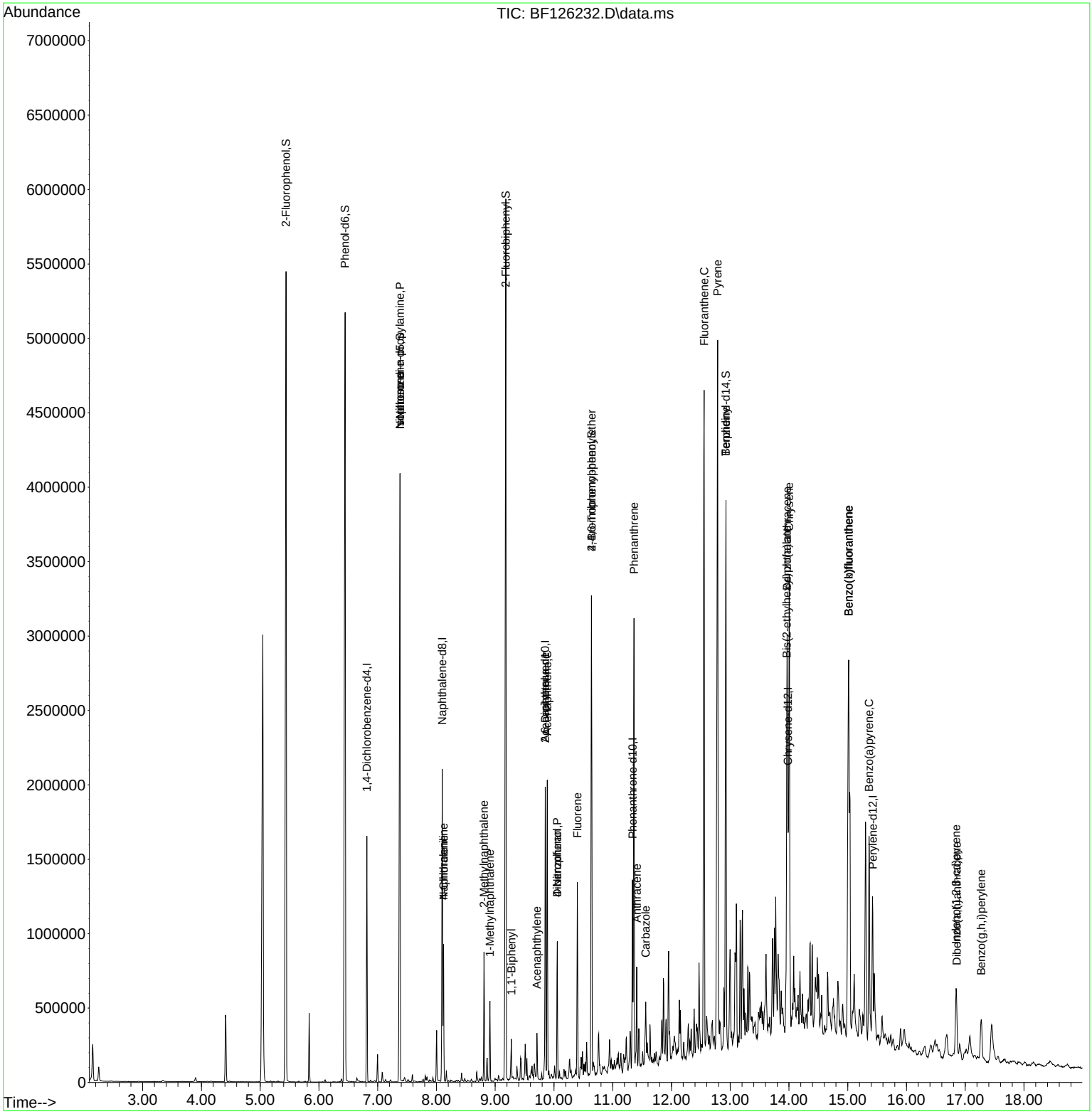
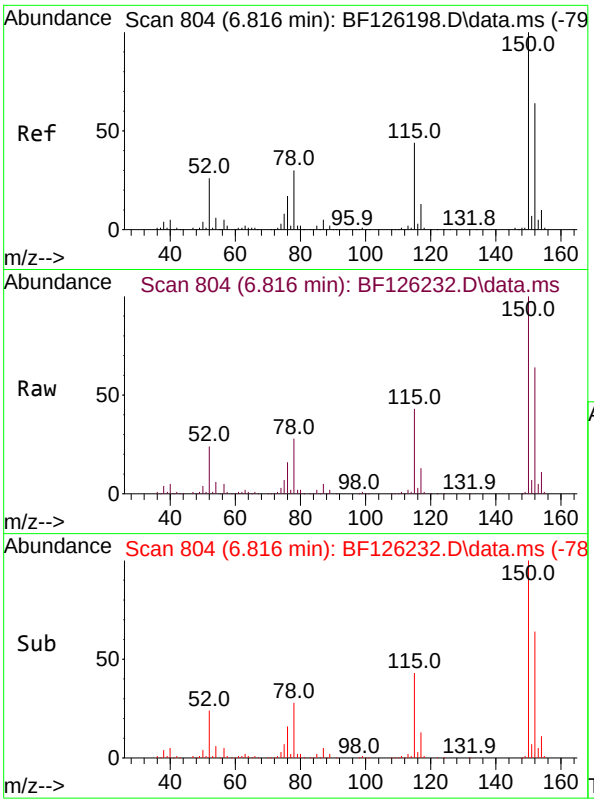


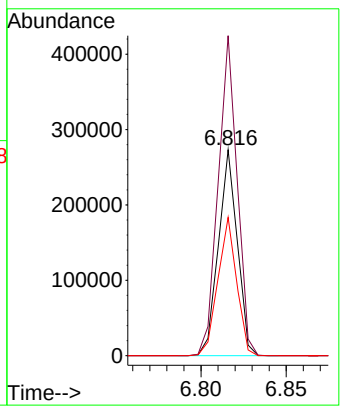


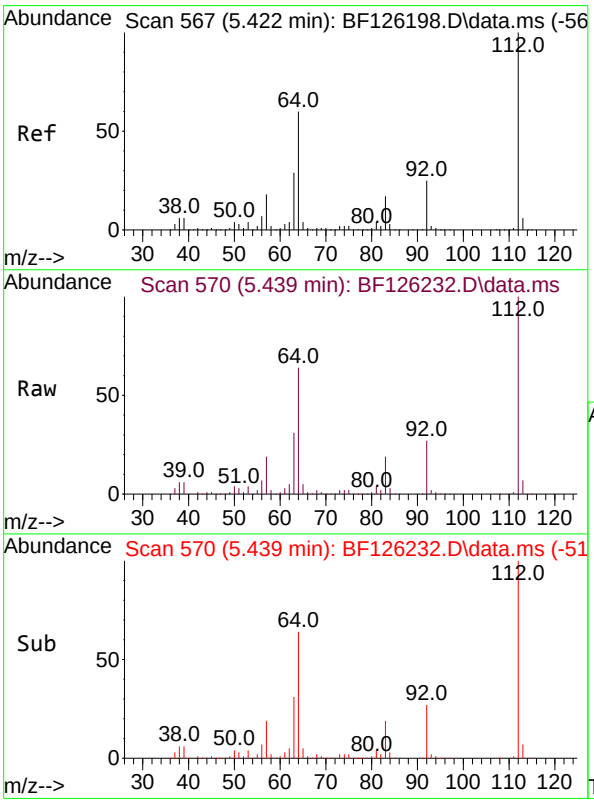
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:152 Resp: 210472

Ion	Ratio	Lower	Upper
152	100		
150	155.4	117.6	176.4
115	67.1	47.1	70.7

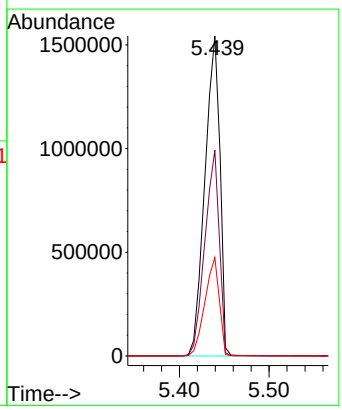


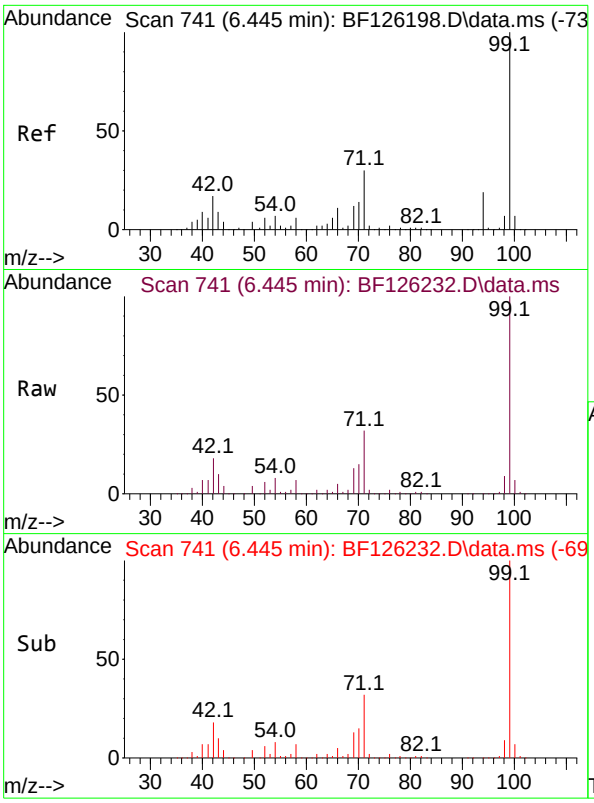


#5
2-Fluorophenol
Concen: 125.659 ng
RT: 5.439 min Scan# 570
Delta R.T. 0.018 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:112 Resp: 1795920

Ion	Ratio	Lower	Upper
112	100		
64	64.4	44.2	66.2
63	30.8	26.2	39.2



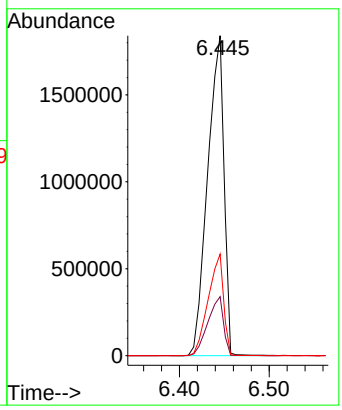


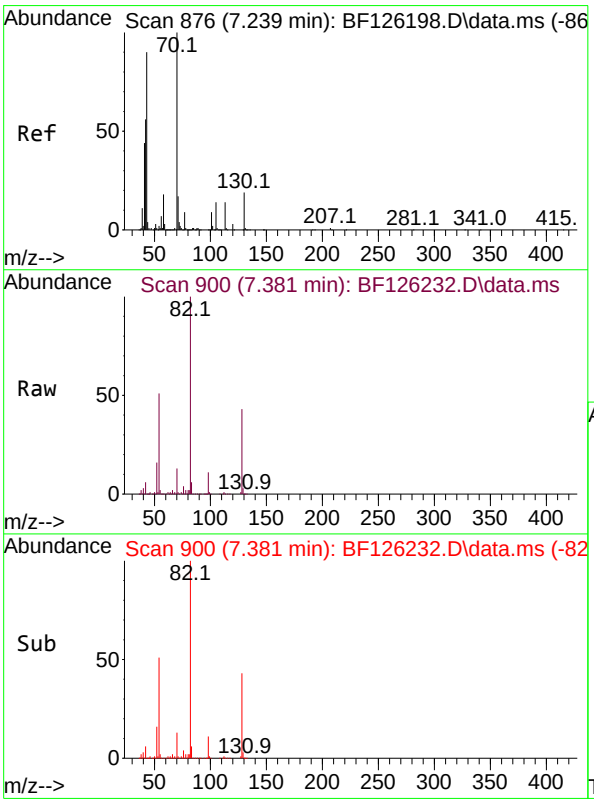
#7
Phenol-d6
Concen: 128.619 ng
RT: 6.445 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 99 Resp: 2334084

Ion	Ratio	Lower	Upper
99	100		
42	18.4	23.5	35.3#
71	31.8	25.6	38.4

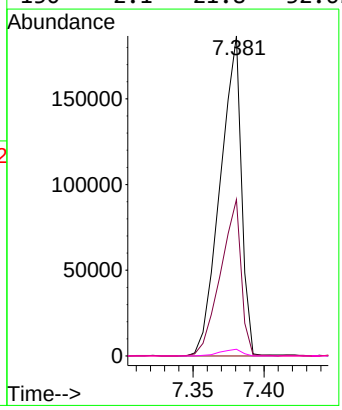


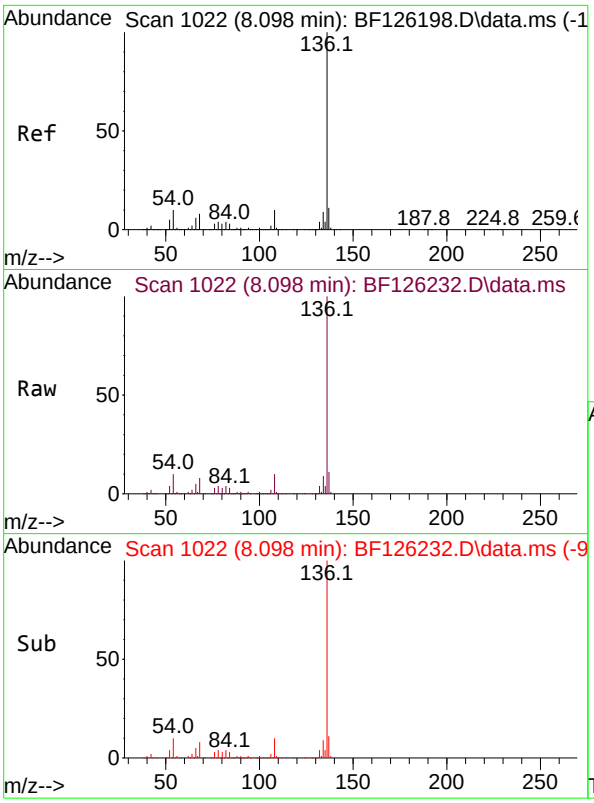


#19
n-Nitroso-di-n-propylamine
Concen: 17.434 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion: 70 Resp: 194227

Ion	Ratio	Lower	Upper
70	100		
42	48.9	72.2	108.2#
101	0.0	7.8	11.8#
130	2.1	21.8	32.6#



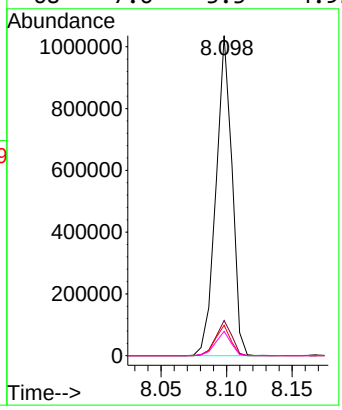


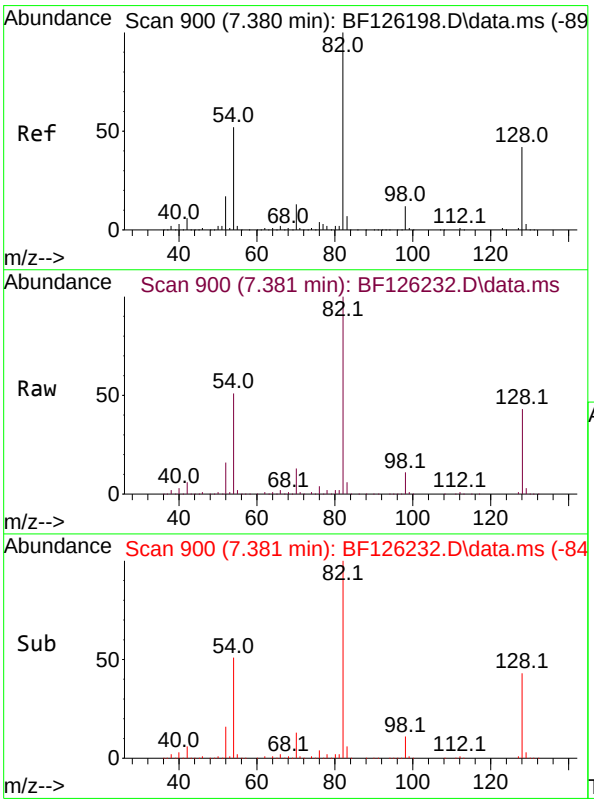
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:136 Resp: 878124

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.8	14.6
54	9.5	6.4	9.6
68	7.6	3.3	4.9#

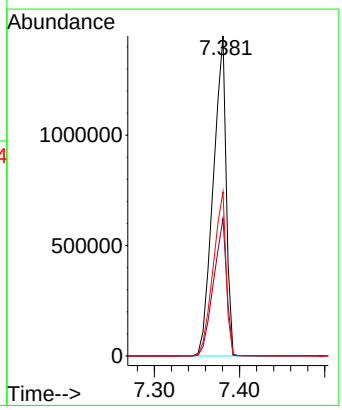


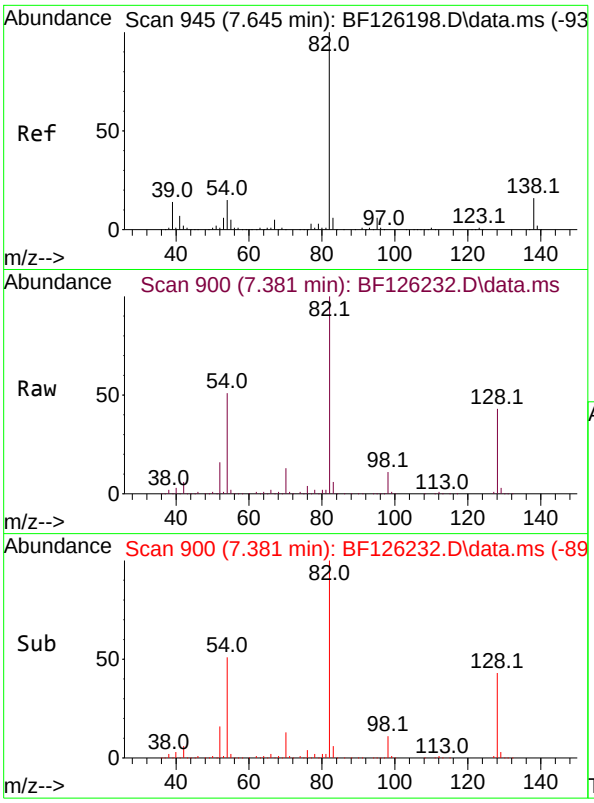


#23
Nitrobenzene-d5
Concen: 94.382 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion: 82 Resp: 1530291

Ion	Ratio	Lower	Upper
82	100		
128	43.0	40.6	60.8
54	51.3	49.6	74.4



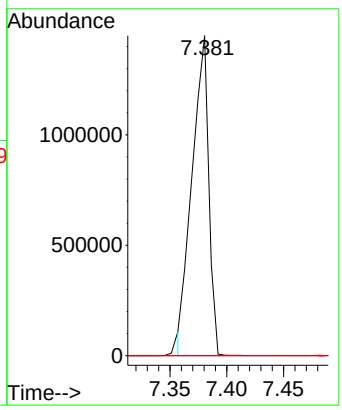


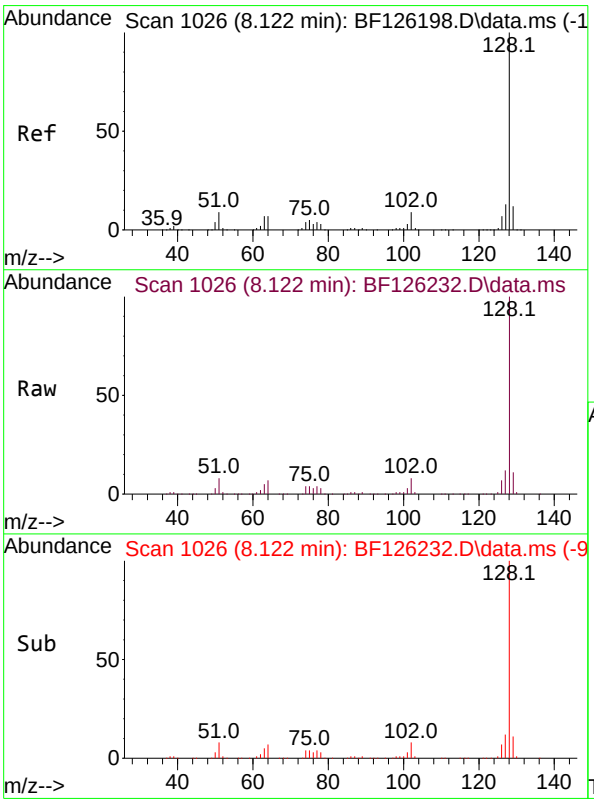
#25
Isophorone
Concen: 48.469 ng
RT: 7.381 min Scan# 9
Delta R.T. -0.265 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 82 Resp: 1484017

Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.5	9.7#
138	0.0	18.4	27.6#

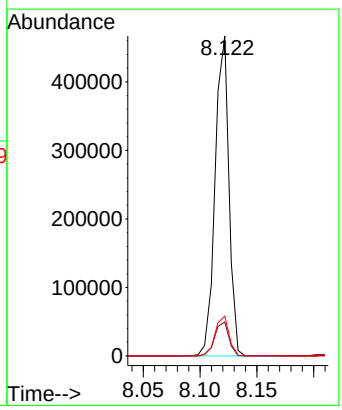


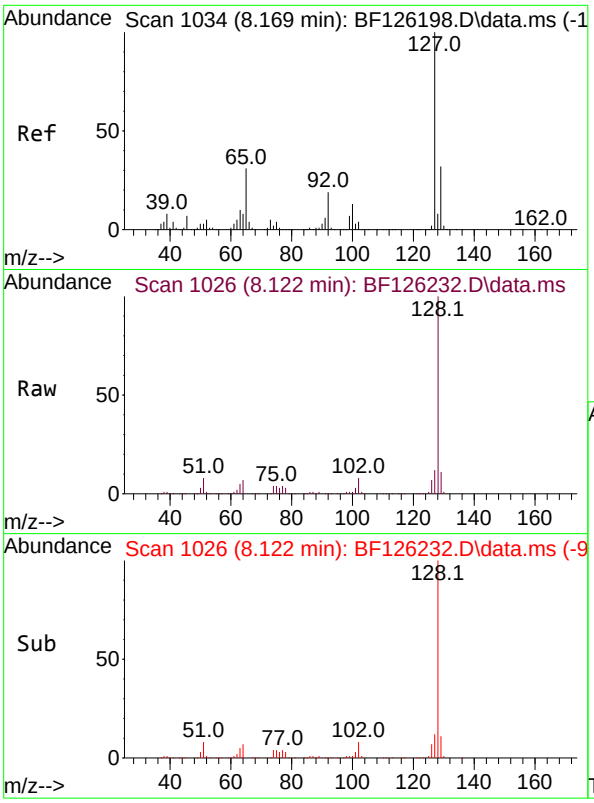


#31
Naphthalene
Concen: 9.638 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:128 Resp: 395795

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.4	14.0
127	12.4	10.9	16.3



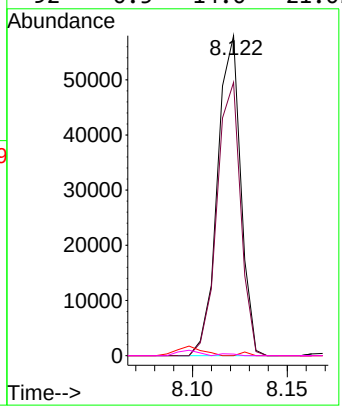


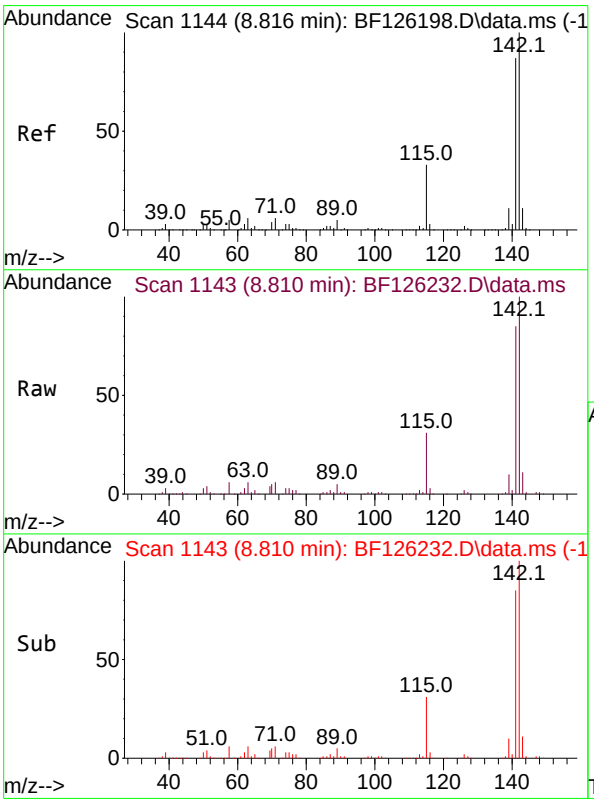
#33
4-Chloroaniline
Concen: 2.893 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:127 Resp: 49600

Ion	Ratio	Lower	Upper
127	100		
129	85.4	25.7	38.5#
65	0.0	21.2	31.8#
92	0.5	14.0	21.0#

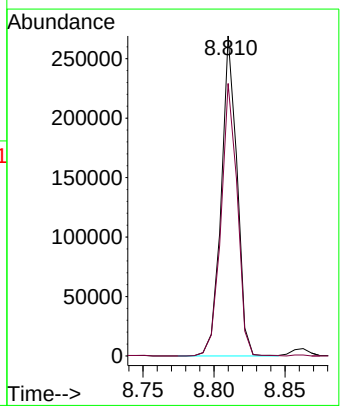


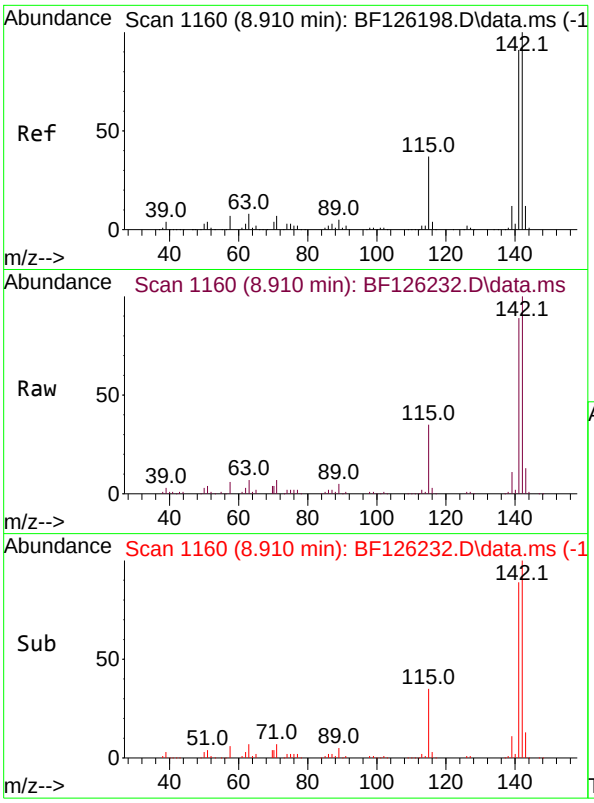


#37
2-Methylnaphthalene
Concen: 8.202 ng
RT: 8.810 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:142 Resp: 207436

Ion	Ratio	Lower	Upper
142	100		
141	85.1	71.2	106.8



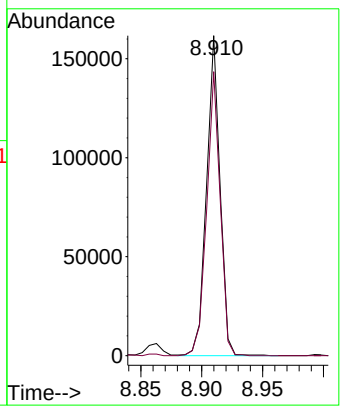


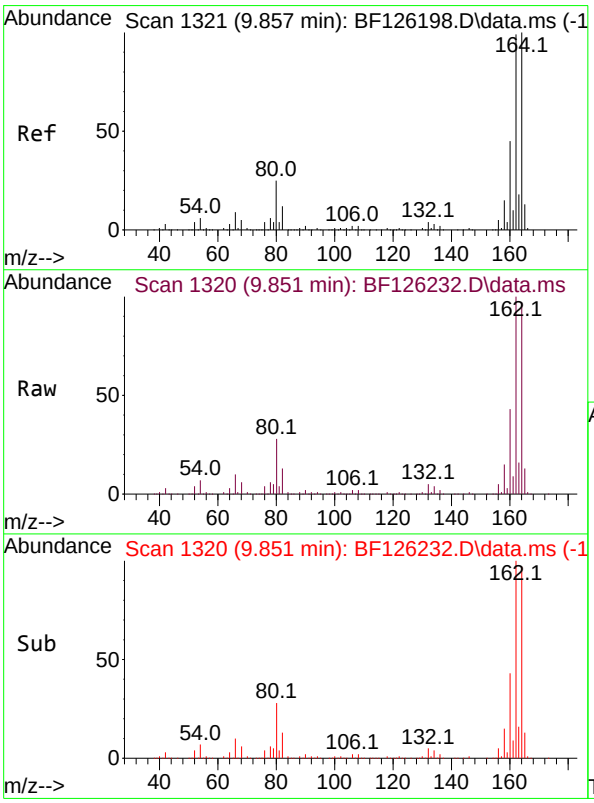
#38
1-Methylnaphthalene
Concen: 5.073 ng
RT: 8.910 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:142 Resp: 124502

Ion	Ratio	Lower	Upper
142	100		
141	88.8	76.0	114.0

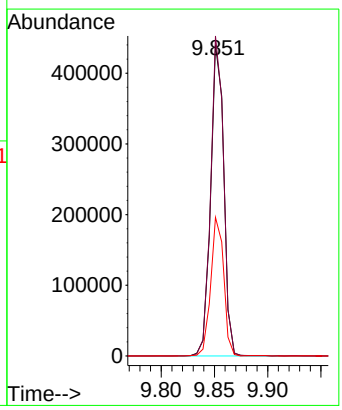


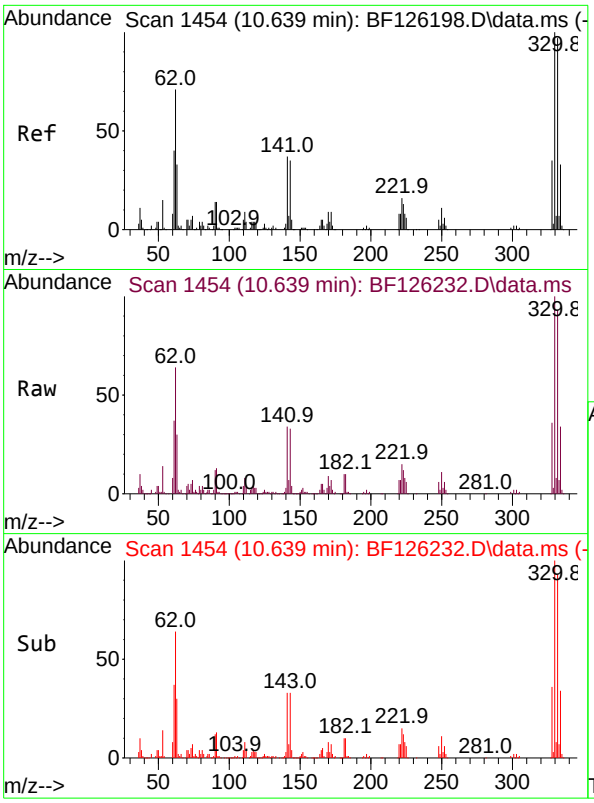


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:164 Resp: 378745

Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.3	121.9
160	44.5	38.0	57.0



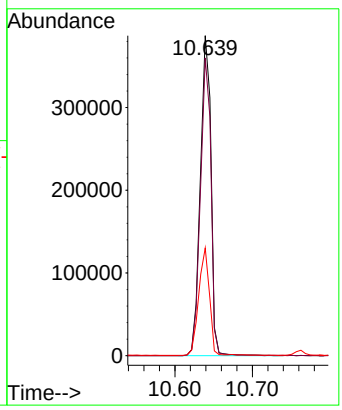


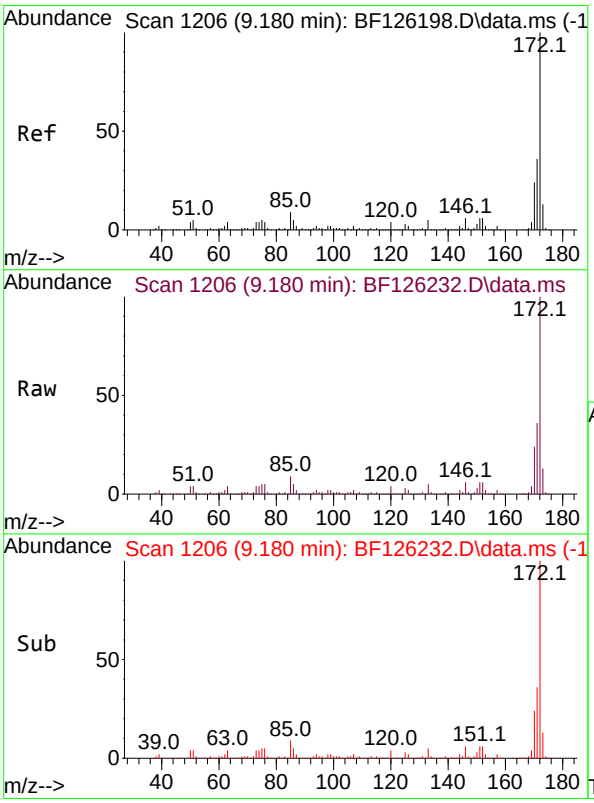
#42
2,4,6-Tribromophenol
Concen: 121.348 ng
RT: 10.639 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:330 Resp: 369355

Ion	Ratio	Lower	Upper
330	100		
332	92.3	76.2	114.4
141	34.1	44.6	66.8#

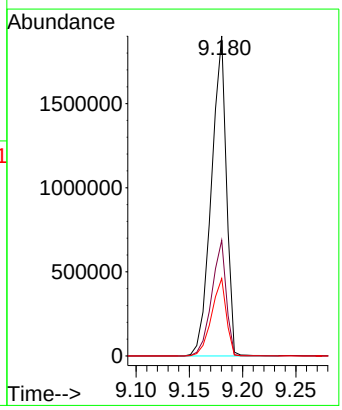


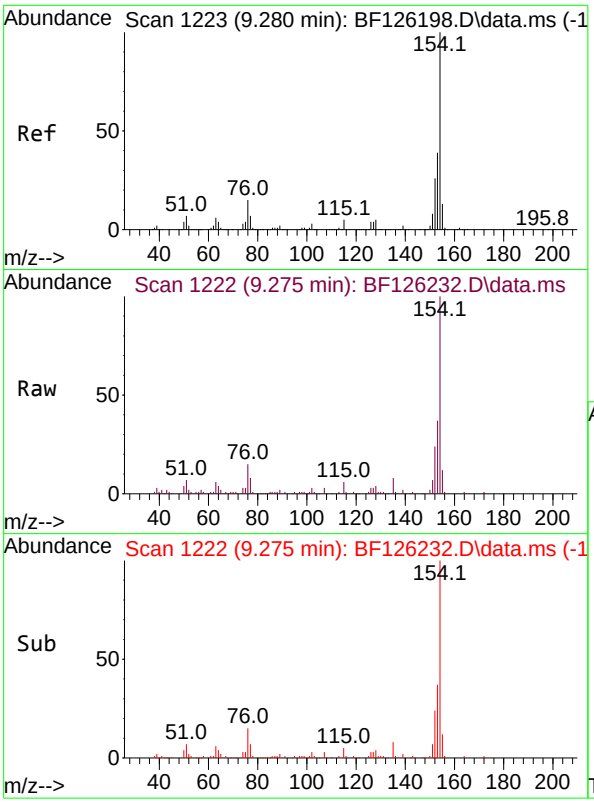


#45
2-Fluorobiphenyl
Concen: 86.157 ng
RT: 9.180 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:172 Resp: 1860534

Ion	Ratio	Lower	Upper
172	100		
171	36.1	26.5	39.7
170	24.2	18.8	28.2



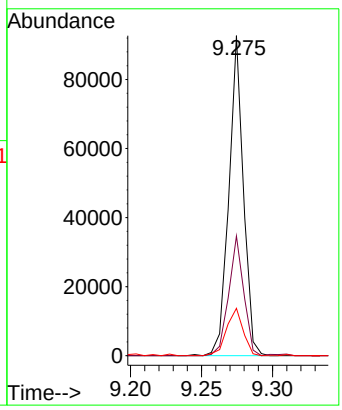


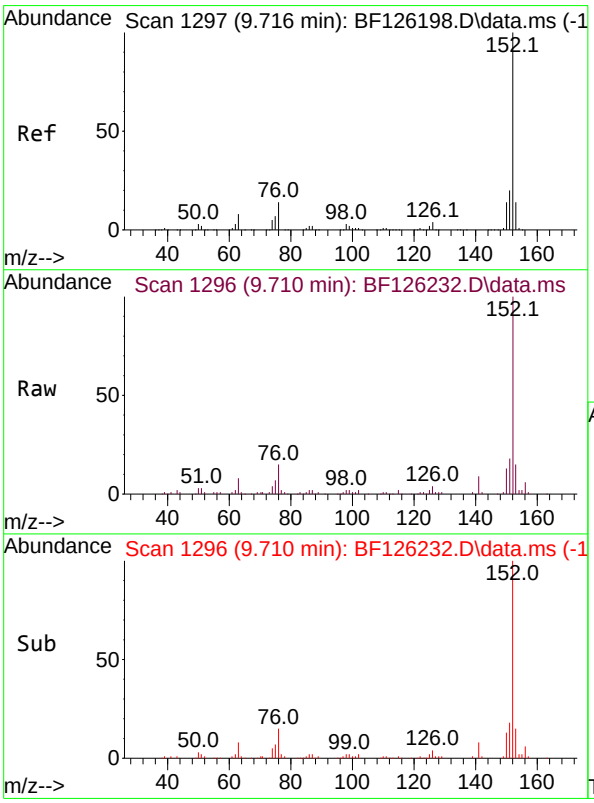
#46
1,1'-Biphenyl
Concen: 2.358 ng
RT: 9.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:154 Resp: 66040

Ion	Ratio	Lower	Upper
154	100		
153	37.4	20.0	60.0
76	14.8	0.0	30.3

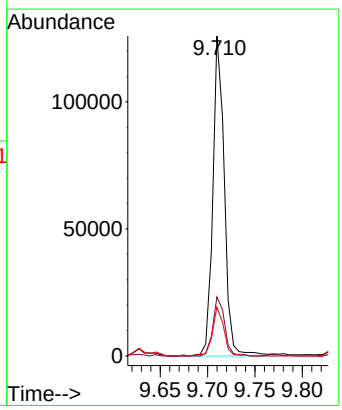


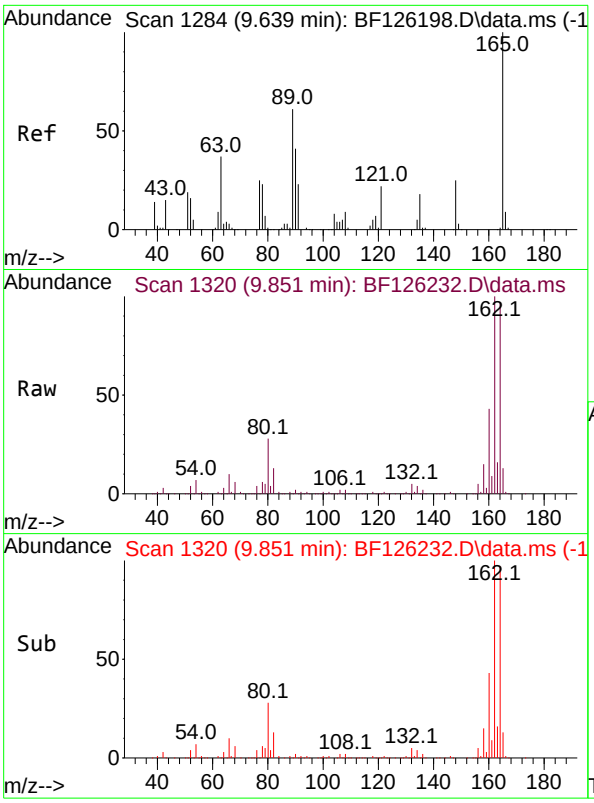


#49
Acenaphthylene
Concen: 3.305 ng
RT: 9.710 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:152 Resp: 106422

Ion	Ratio	Lower	Upper
152	100		
151	18.4	15.7	23.5
153	15.3	9.8	14.8#



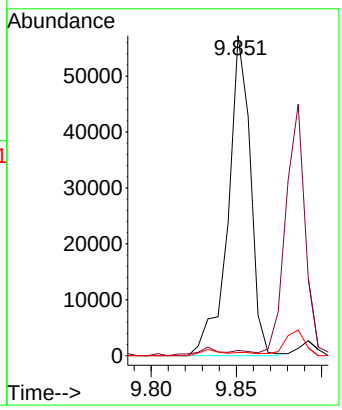


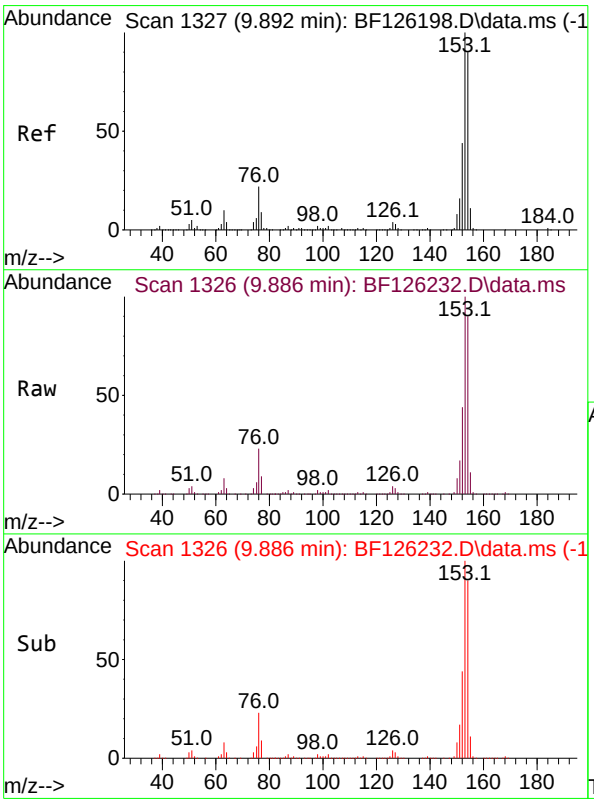
#51
2,6-Dinitrotoluene
Concen: 10.009 ng
RT: 9.851 min Scan# 1
Delta R.T. 0.212 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:165 Resp: 51976

Ion	Ratio	Lower	Upper
165	100		
63	1.6	42.6	63.8#
89	1.0	40.6	60.8#

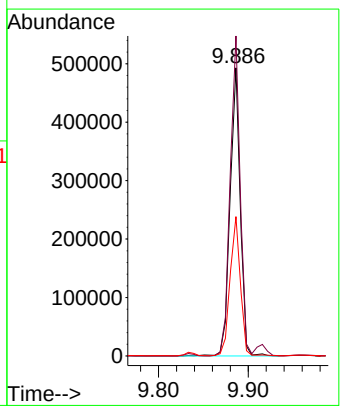


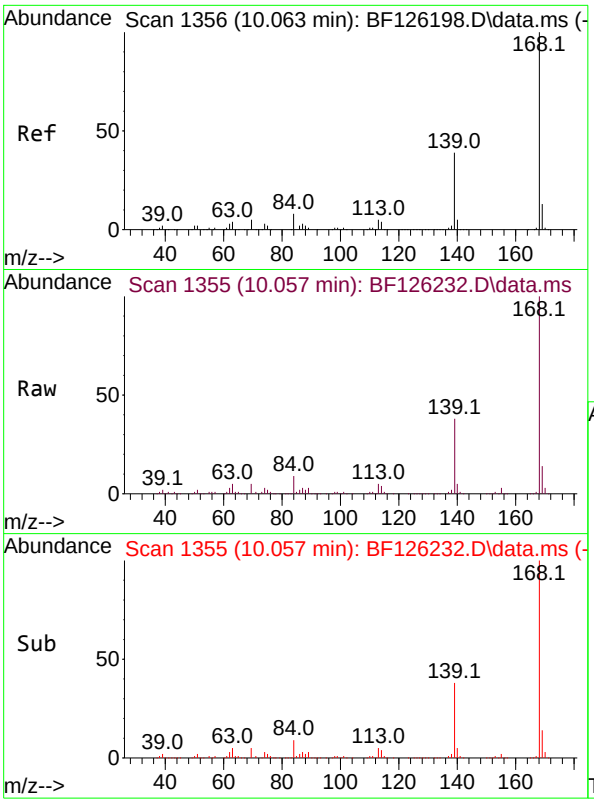


#52
Acenaphthene
Concen: 18.507 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:154 Resp: 386423

Ion	Ratio	Lower	Upper
154	100		
153	111.0	89.4	134.2
152	48.4	40.5	60.7



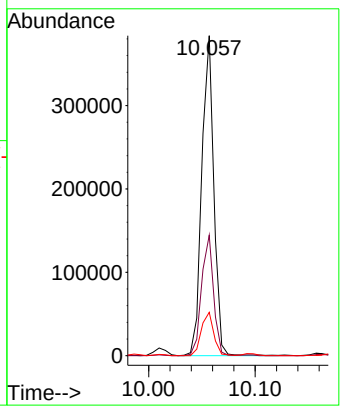


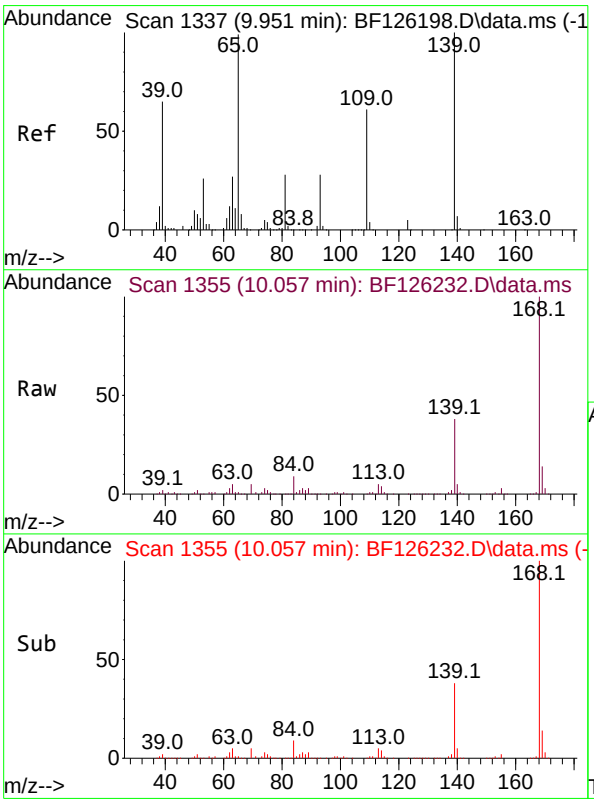
#55
Dibenzofuran
Concen: 10.658 ng
RT: 10.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:168 Resp: 302985

Ion	Ratio	Lower	Upper
168	100		
139	37.6	32.7	49.1
169	13.5	11.2	16.8

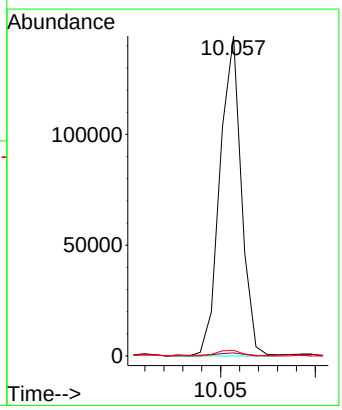


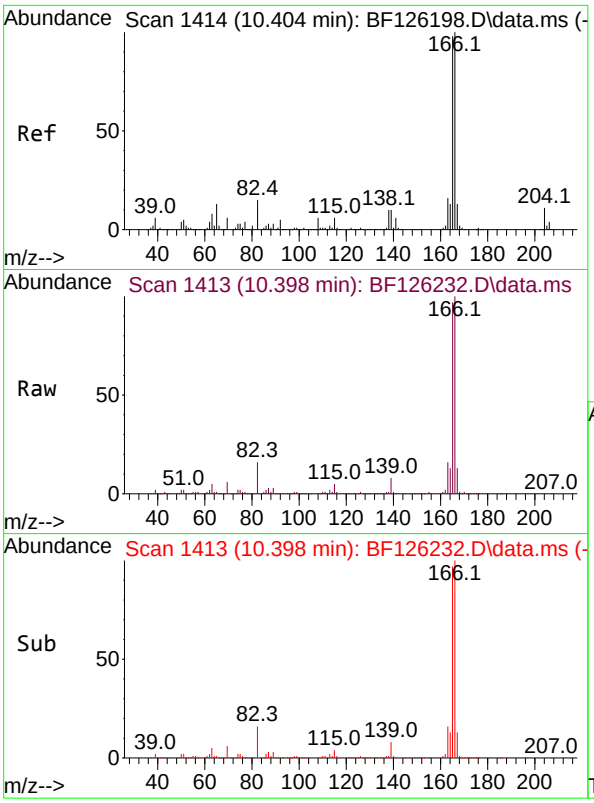


#56
4-Nitrophenol
Concen: 23.781 ng
RT: 10.057 min Scan# 1355
Delta R.T. 0.106 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:139 Resp: 113376

Ion	Ratio	Lower	Upper
139	100		
109	1.0	60.4	100.4#
65	1.7	58.4	98.4#



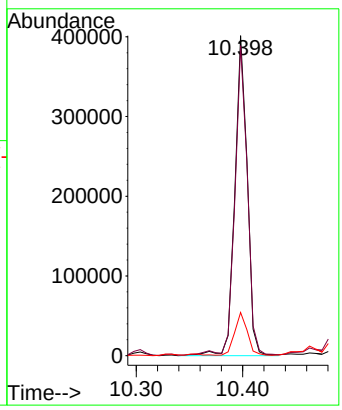


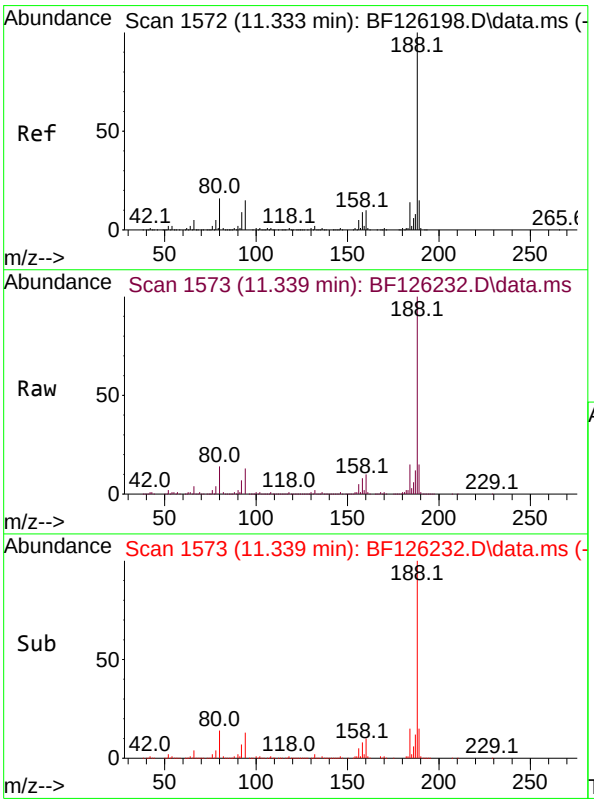
#58
Fluorene
Concen: 15.812 ng
RT: 10.398 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:166 Resp: 325416

Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.1	117.1
167	13.5	11.1	16.7

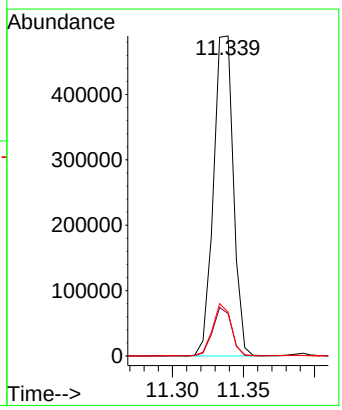


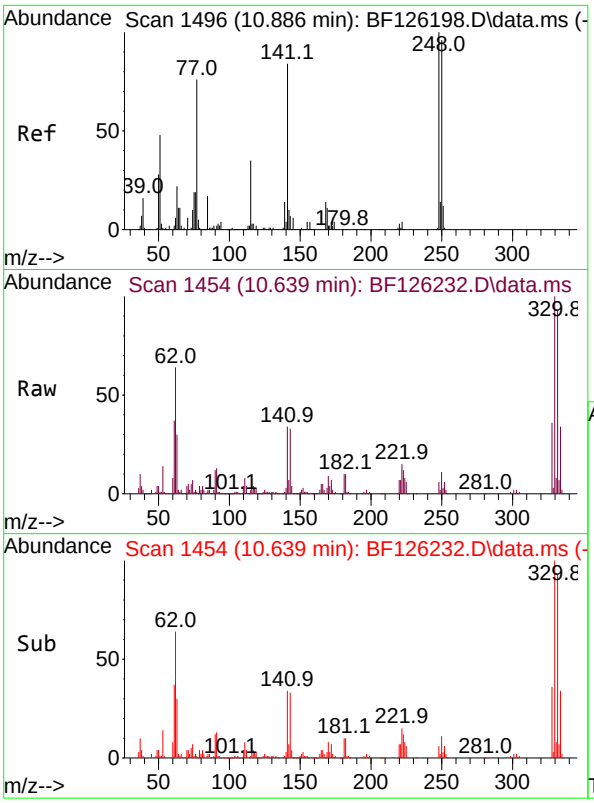


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:188 Resp: 475197

Ion	Ratio	Lower	Upper
188	100		
94	13.2	6.7	10.1#
80	13.7	7.5	11.3#



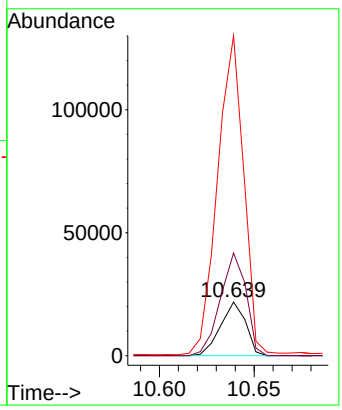


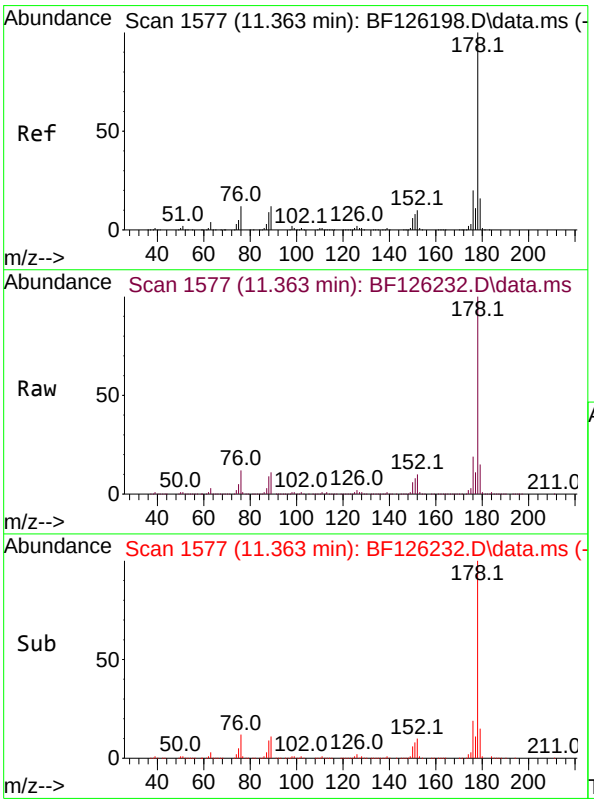
#67
4-Bromophenyl-phenylether
Concen: 4.535 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:248 Resp: 20224

Ion	Ratio	Lower	Upper
248	100		
250	191.8	74.2	111.4#
141	597.6	60.4	90.6#

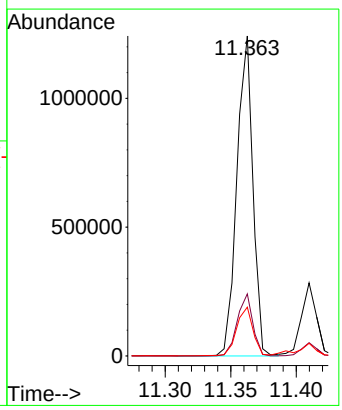


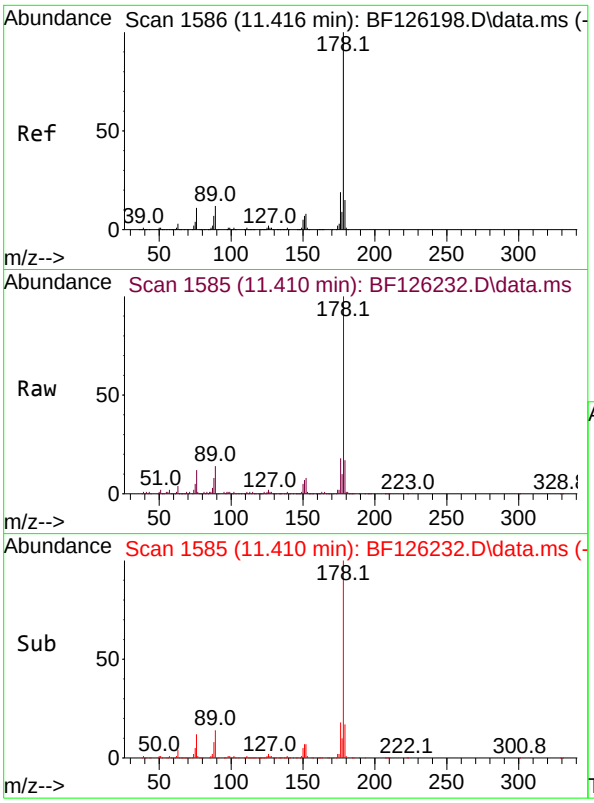


#71
Phenanthrene
Concen: 43.099 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:178 Resp: 1057054

Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.7	22.1
179	15.2	11.5	17.3



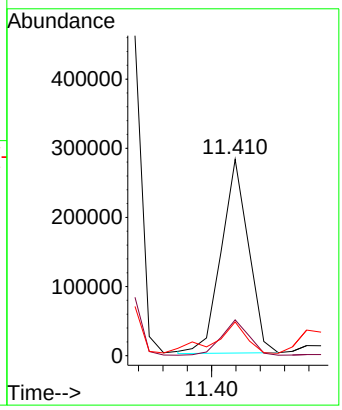


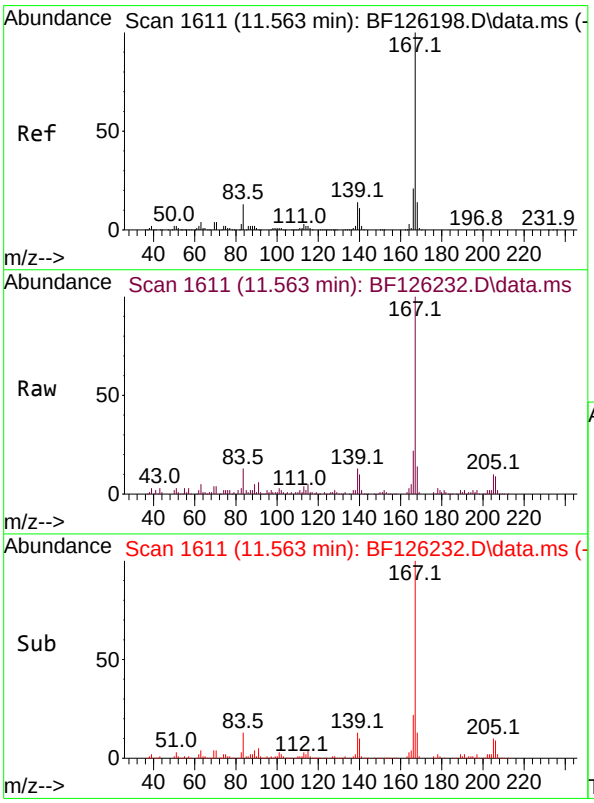
#72
Anthracene
Concen: 8.883 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:178 Resp: 218675

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.3	21.5
179	17.2	12.2	18.4

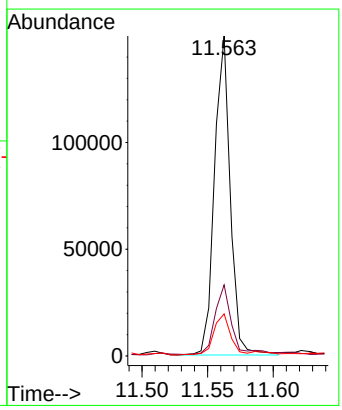


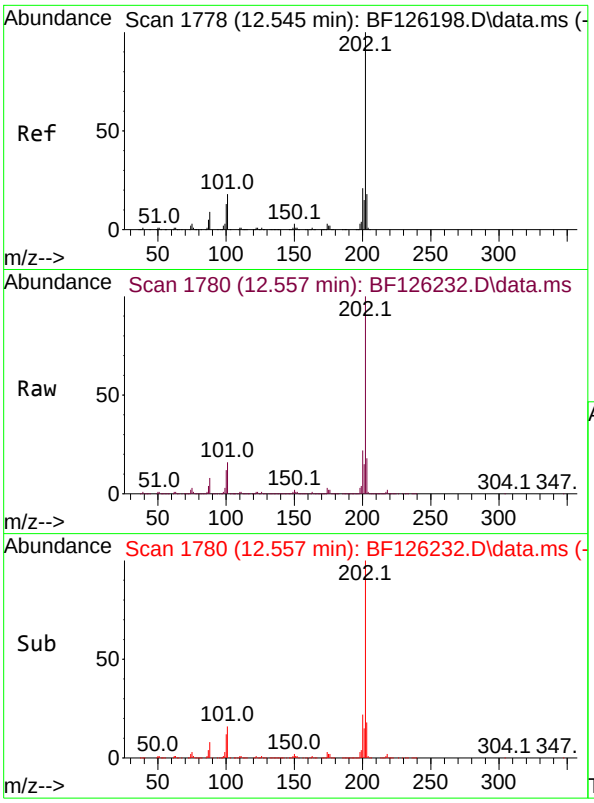


#73
Carbazole
Concen: 5.375 ng
RT: 11.563 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:167 Resp: 124612

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.4	26.0
139	13.1	11.0	16.4



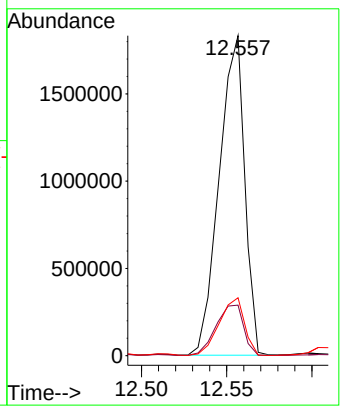


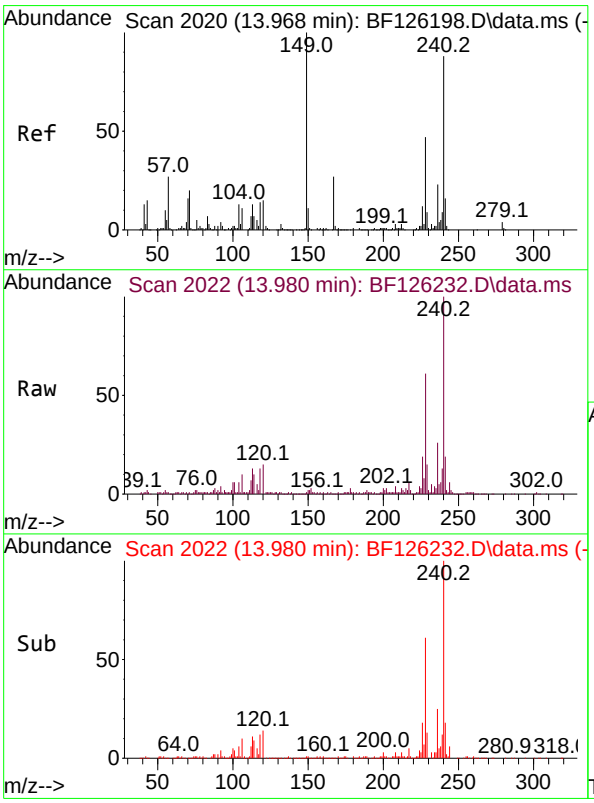
#75
Fluoranthene
Concen: 86.150 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:202 Resp: 1903717

Ion	Ratio	Lower	Upper
202	100		
101	15.8	0.0	30.7
203	18.1	0.0	36.3

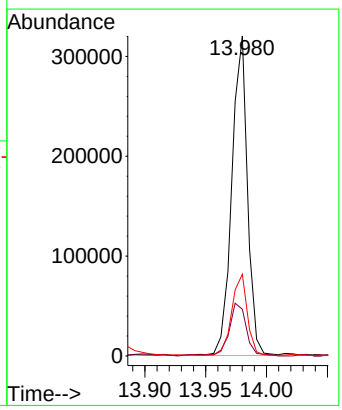


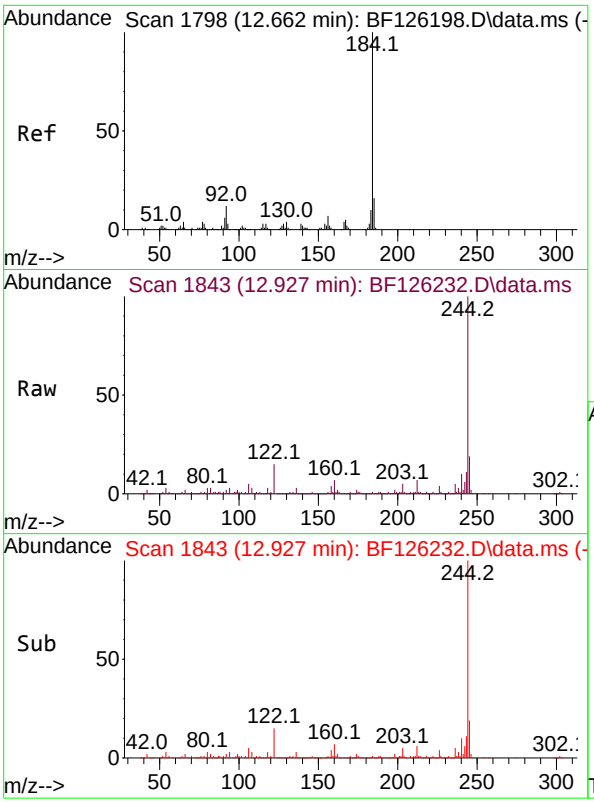


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.012 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:240 Resp: 285593

Ion	Ratio	Lower	Upper
240	100		
120	14.6	10.8	16.2
236	25.5	21.6	32.4



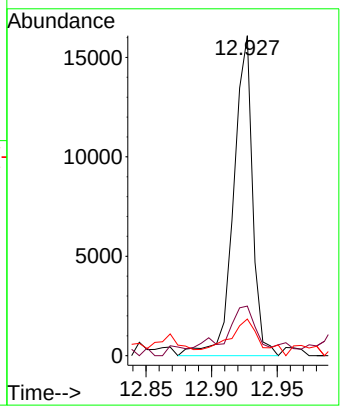


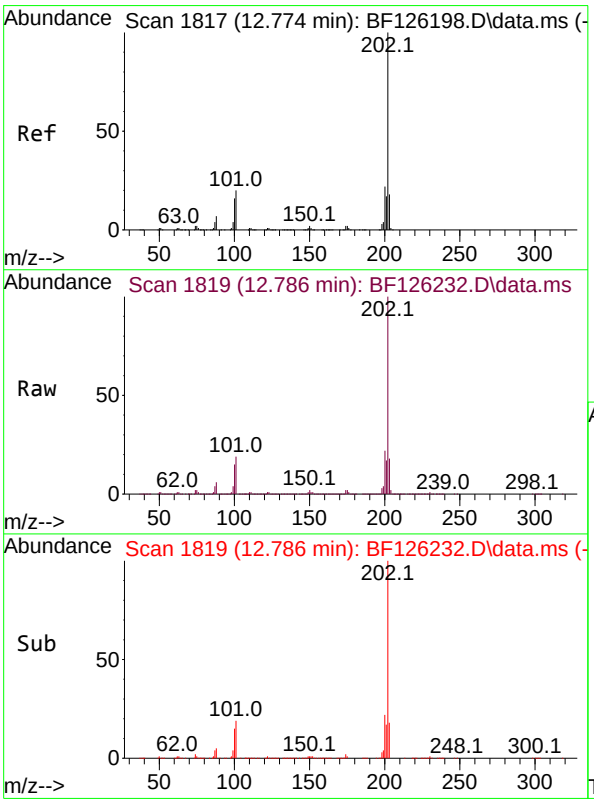
#77
Benzidine
Concen: 3.610 ng
RT: 12.927 min Scan# 1
Delta R.T. 0.265 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:184 Resp: 16252

Ion	Ratio	Lower	Upper
184	100		
185	15.5	10.8	16.2
183	11.4	8.1	12.1

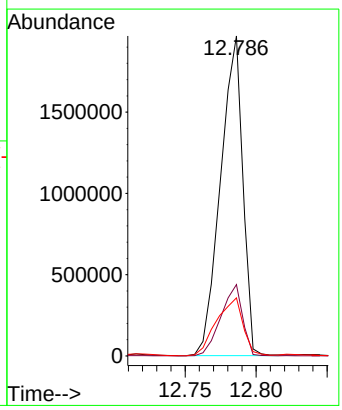


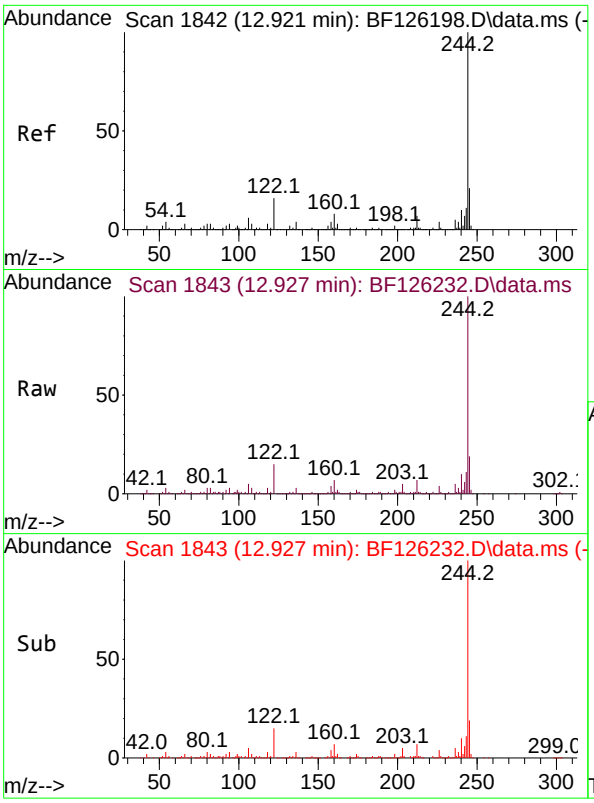


#78
Pyrene
Concen: 81.599 ng
RT: 12.786 min Scan# 1819
Delta R.T. 0.012 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:202 Resp: 2140990

Ion	Ratio	Lower	Upper
202	100		
200	22.3	15.3	22.9
203	18.2	13.4	20.0



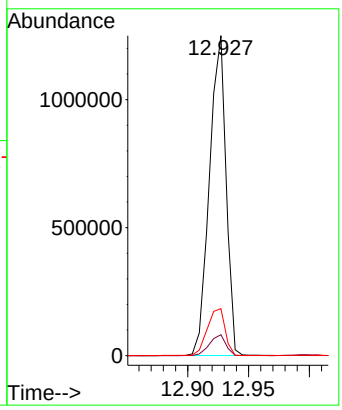


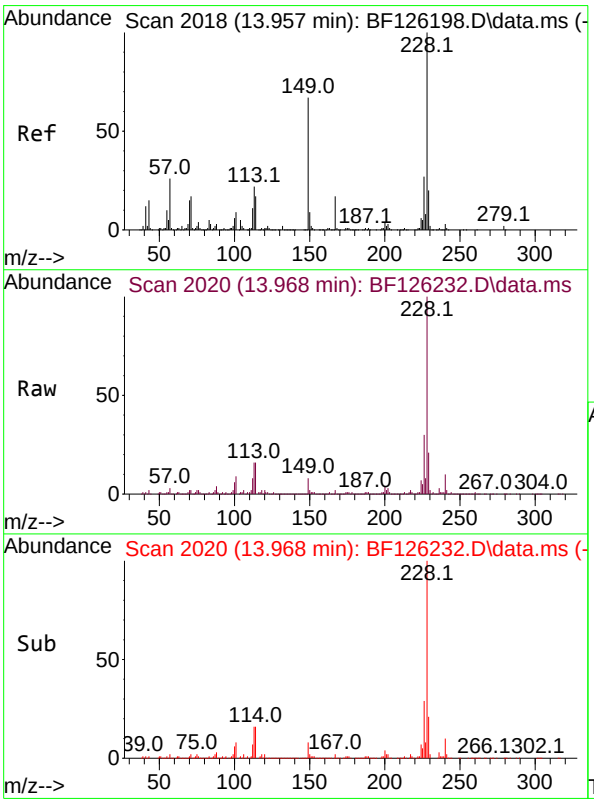
#79
Terphenyl-d14
Concen: 72.138 ng
RT: 12.927 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:244 Resp: 1185318

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.9	8.9
122	14.7	9.0	13.4#

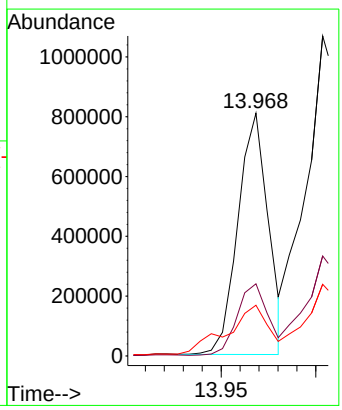


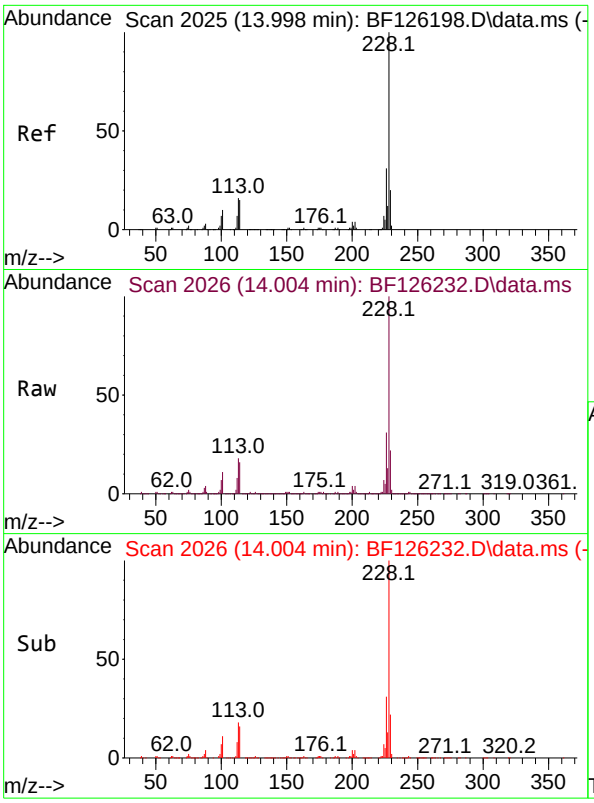


#81
Benzo(a)anthracene
Concen: 53.131 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.012 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:228 Resp: 898822

Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.6	32.4
229	20.9	15.6	23.4



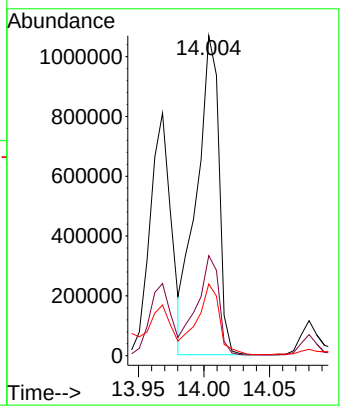


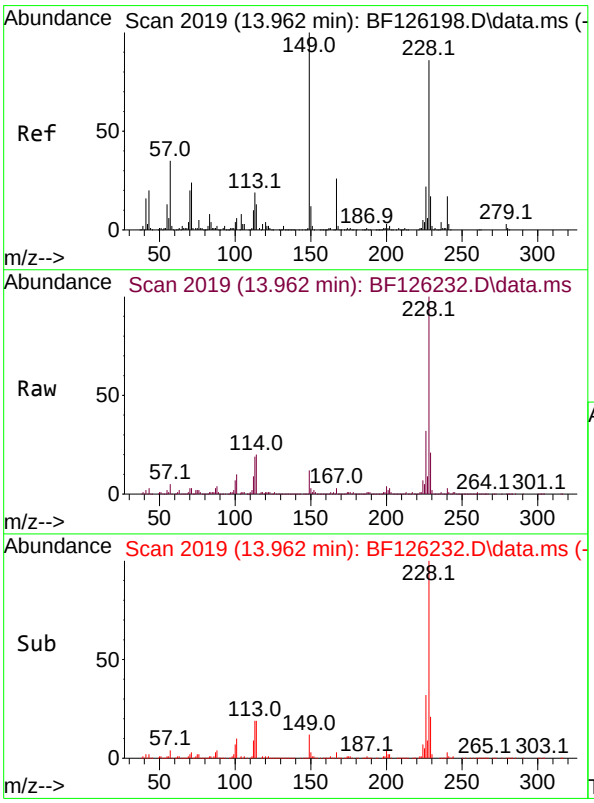
#83
Chrysene
Concen: 72.052 ng
RT: 14.004 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:228 Resp: 1266442

Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.6	34.0
229	22.4	15.9	23.9

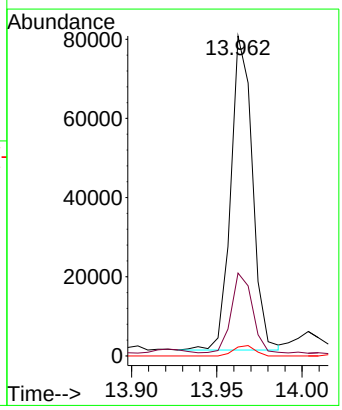


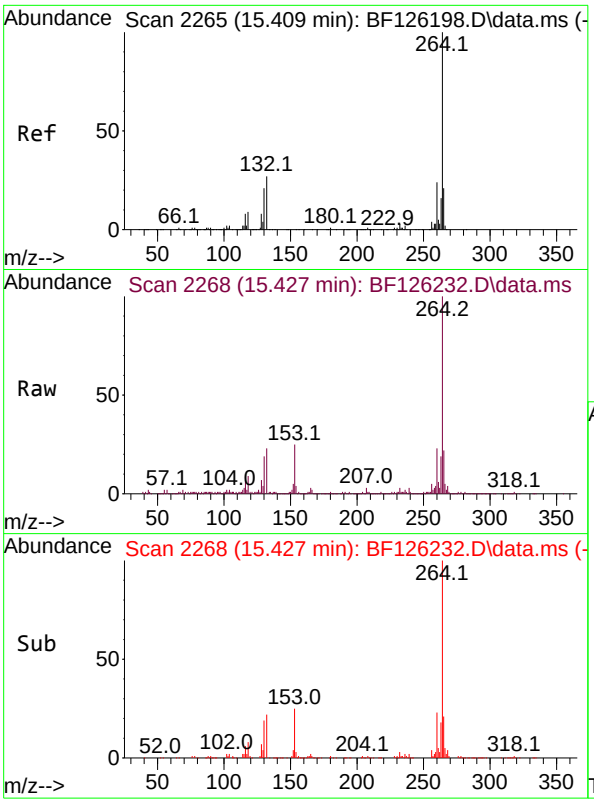


#84
Bis(2-ethylhexyl)phthalate
Concen: 5.071 ng
RT: 13.962 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:149 Resp: 69967

Ion	Ratio	Lower	Upper
149	100		
167	25.9	21.4	32.0
279	2.8	2.6	4.0



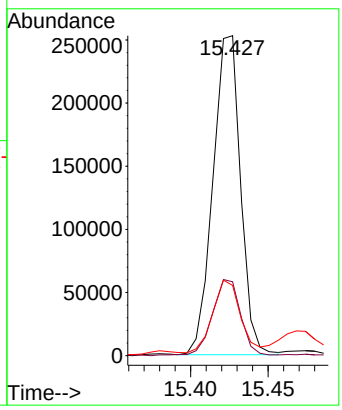


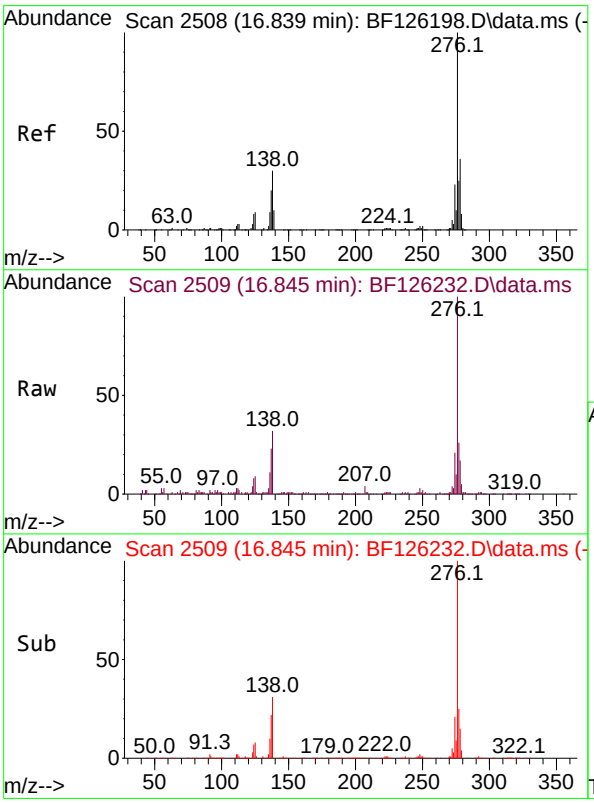
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:264 Resp: 313316

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.6	29.4
265	22.0	17.2	25.8

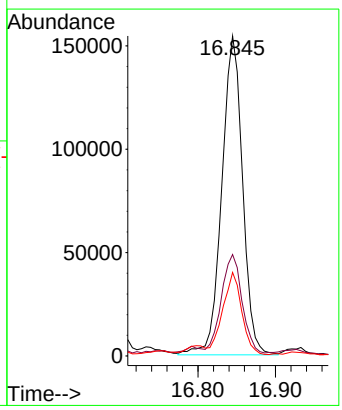


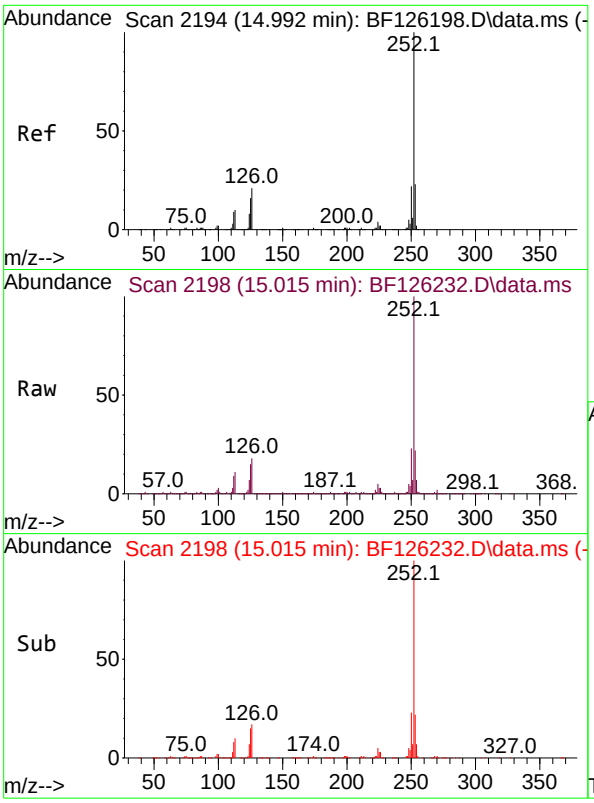


#87
Indeno(1,2,3-cd)pyrene
Concen: 13.768 ng
RT: 16.845 min Scan# 2509
Delta R.T. 0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:276 Resp: 287732

Ion	Ratio	Lower	Upper
276	100		
138	31.5	24.1	36.1
277	24.0	18.8	28.2



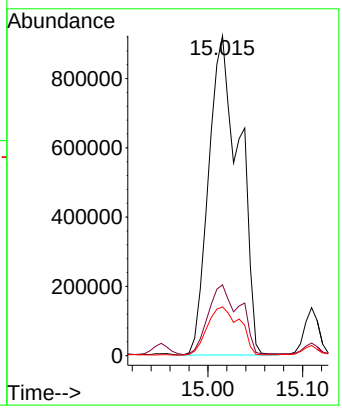


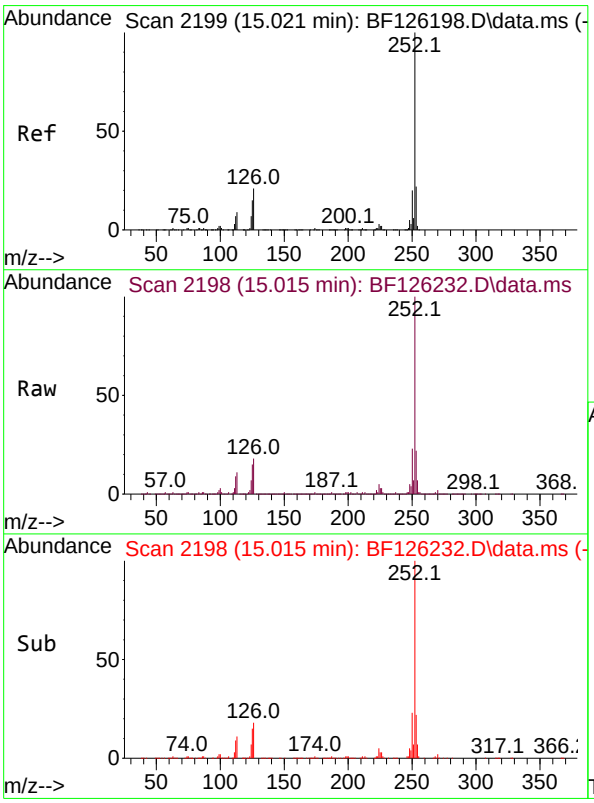
#88
Benzo(b)fluoranthene
Concen: 110.810 ng
RT: 15.015 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 2086071

Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.8	25.2
125	15.2	9.8	14.8#

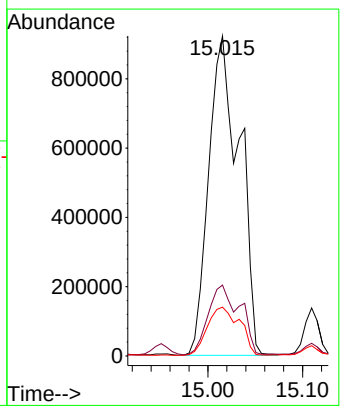


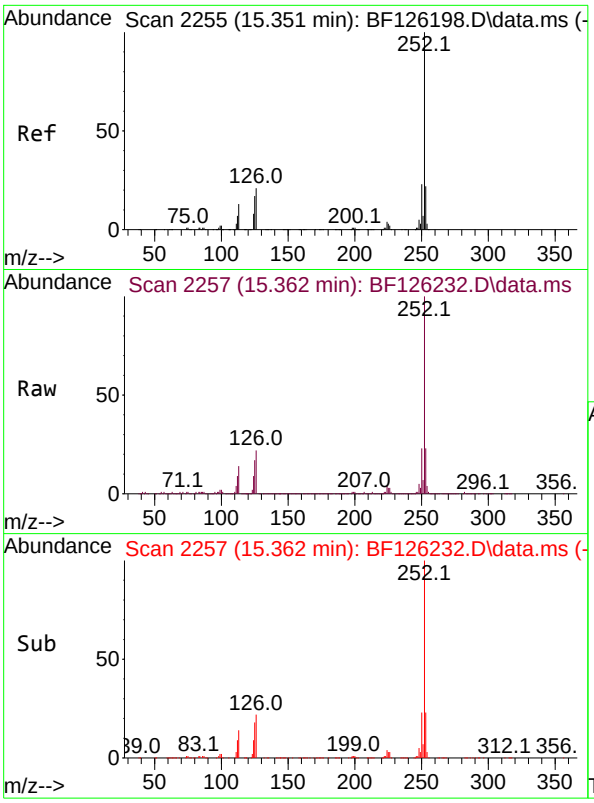


#89
Benzo(k)fluoranthene
Concen: 115.834 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:252 Resp: 2086071

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	15.2	7.2	10.8#



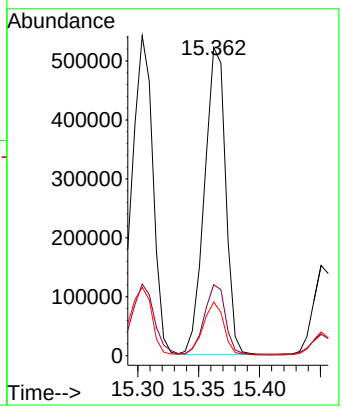


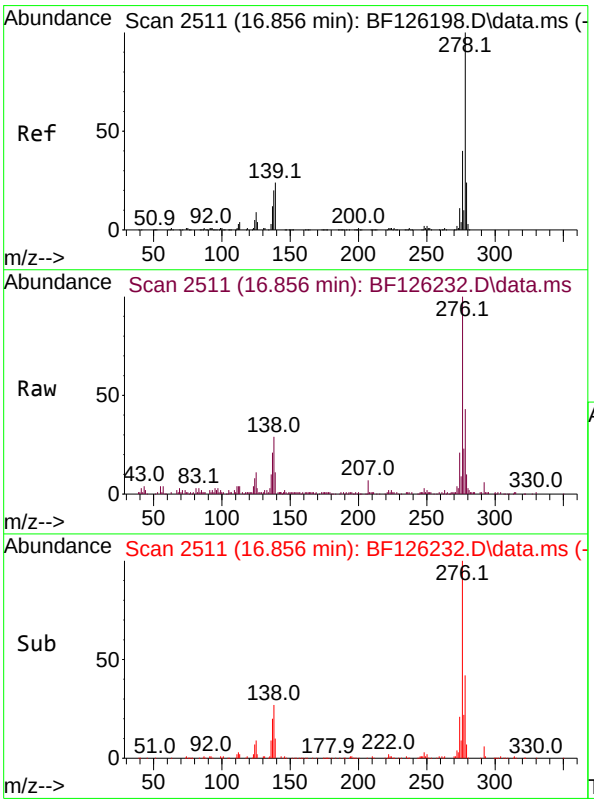
#90
Benzo(a)pyrene
Concen: 40.178 ng
RT: 15.362 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 628640

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	17.4	9.9	14.9#

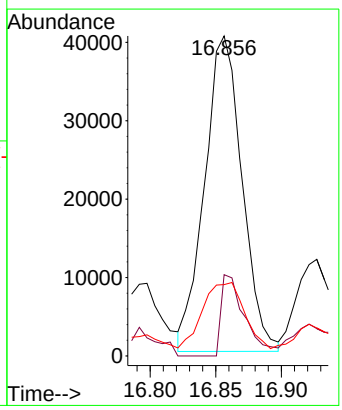


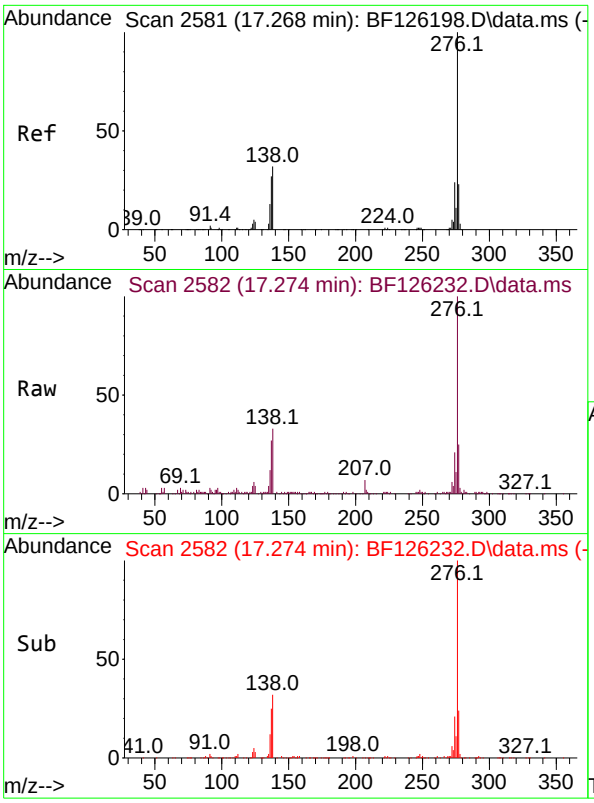


#91
Dibenzo(a,h)anthracene
Concen: 4.705 ng
RT: 16.856 min Scan# 2511
Delta R.T. 0.000 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Tgt Ion:278 Resp: 79925

Ion	Ratio	Lower	Upper
278	100		
139	25.4	14.9	22.3#
279	22.3	19.7	29.5





#92
Benzo(g,h,i)perylene
Concen: 11.650 ng
RT: 17.274 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF126232.D
Acq: 17 Dec 2021 13:29

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:276 Resp: 204775

Ion	Ratio	Lower	Upper
276	100		
277	24.7	22.0	33.0
138	32.7	22.2	33.4