Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121324\
Data File : BF140853.D
Acq On : 13 Dec 2024 19:12
Operator : RC/JU
Sample : P5175-01RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

Quant Time: Dec 13 21:42:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

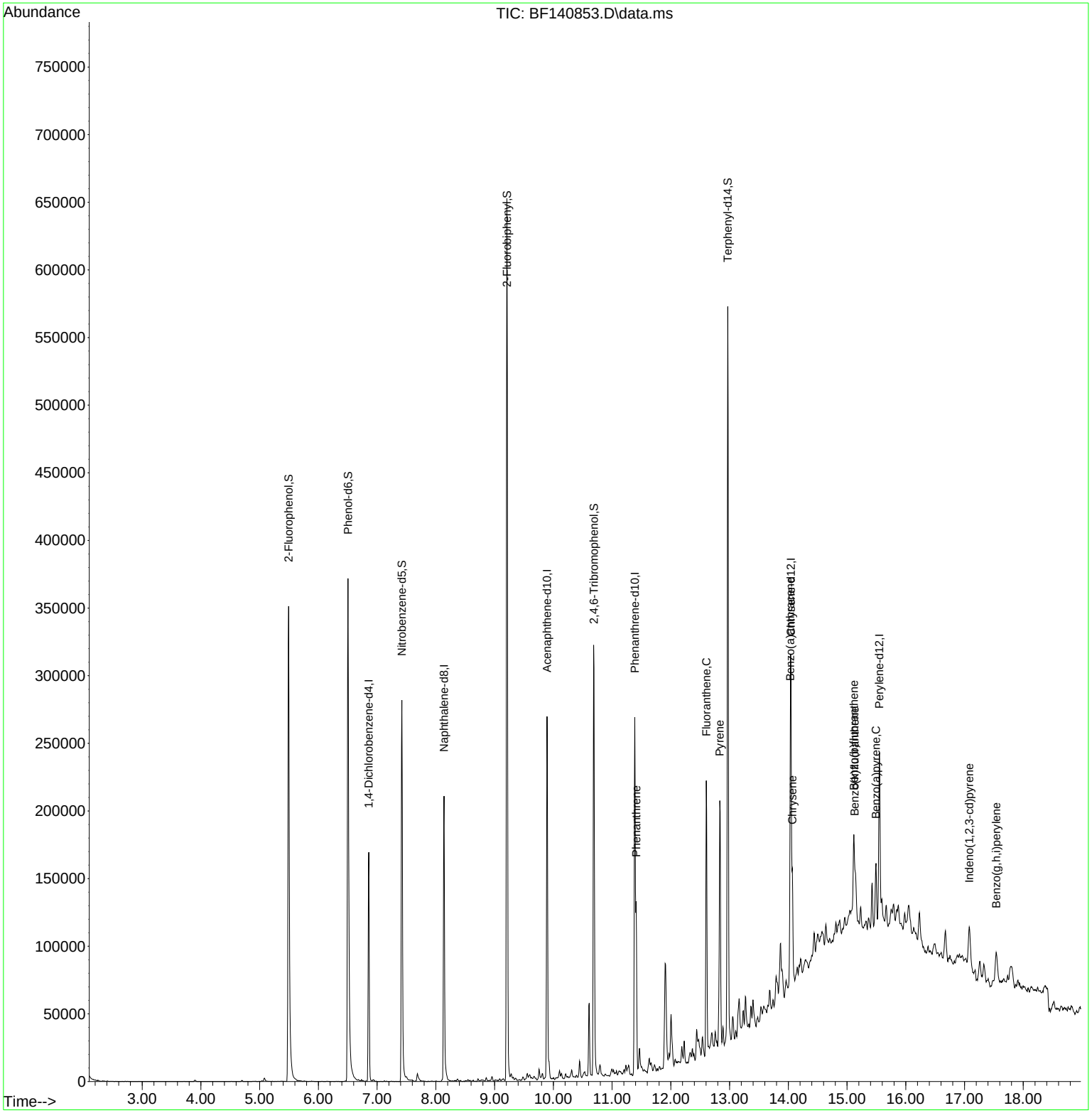
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.857	152	37521	20.000	ng		-0.02
21) Naphthalene-d8	8.140	136	142480	20.000	ng		-0.02
39) Acenaphthene-d10	9.892	164	81524	20.000	ng		-0.02
64) Phenanthrene-d10	11.386	188	138259	20.000	ng		-0.02
76) Chrysene-d12	14.045	240	94608	20.000	ng		0.00
86) Perylene-d12	15.551	264	79573	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	168187	76.480	ng		0.00
7) Phenol-d6	6.504	99	212908	73.234	ng		-0.01
23) Nitrobenzene-d5	7.422	82	139575	50.107	ng		-0.02
42) 2,4,6-Tribromophenol	10.692	330	58625	67.238	ng		-0.01
45) 2-Fluorobiphenyl	9.210	172	286856	52.426	ng		-0.02
79) Terphenyl-d14	12.969	244	259806	42.761	ng		-0.02
Target Compounds							Qvalue
71) Phenanthrene	11.410	178	65847	9.908	ng		98
75) Fluoranthene	12.604	202	117286	16.254	ng		99
78) Pyrene	12.833	202	106715	12.199	ng		99
81) Benzo(a)anthracene	14.033	228	46098	7.361	ng		94
83) Chrysene	14.069	228	41882	7.314	ng		97
87) Indeno(1,2,3-cd)pyrene	17.080	276	20460	3.945	ng	#	95
88) Benzo(b)fluoranthene	15.116	252	39156m	7.834	ng		
89) Benzo(k)fluoranthene	15.127	252	18841m	4.308	ng		
90) Benzo(a)pyrene	15.492	252	28311	6.967	ng	#	93
92) Benzo(g,h,i)perylene	17.539	276	20964	4.837	ng	#	93

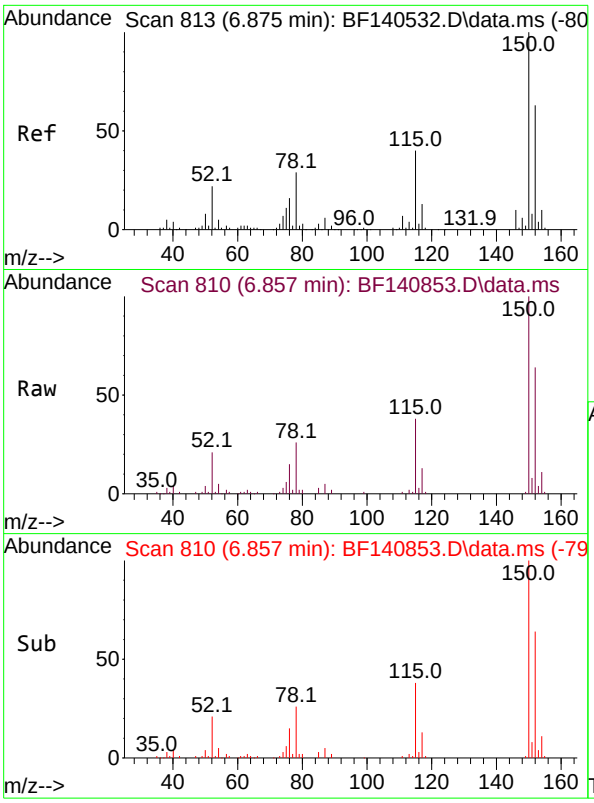
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121324\
Data File : BF140853.D
Acq On : 13 Dec 2024 19:12
Operator : RC/JU
Sample : P5175-01RE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

Quant Time: Dec 13 21:42:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



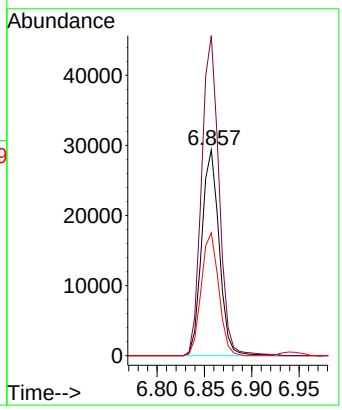


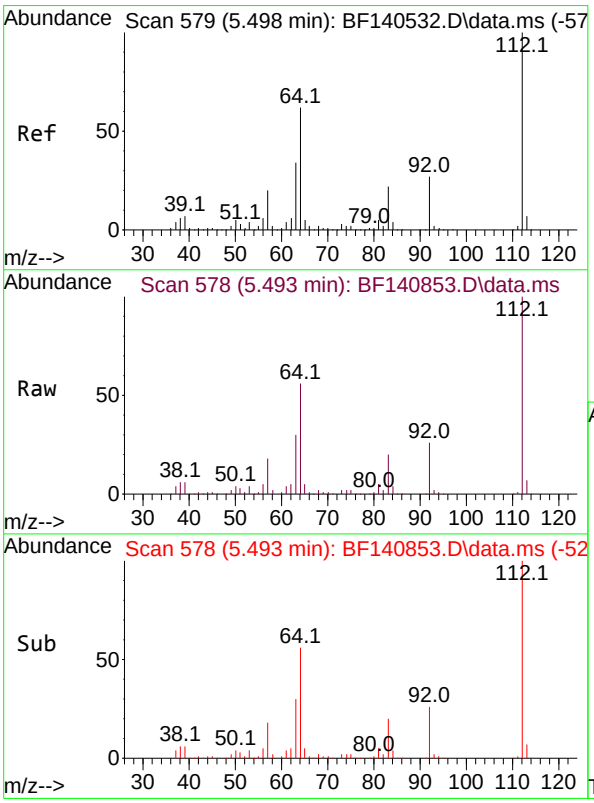
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

Tgt Ion:152 Resp: 37521

Ion	Ratio	Lower	Upper
152	100		
150	155.5	128.5	192.7
115	59.7	50.2	75.4

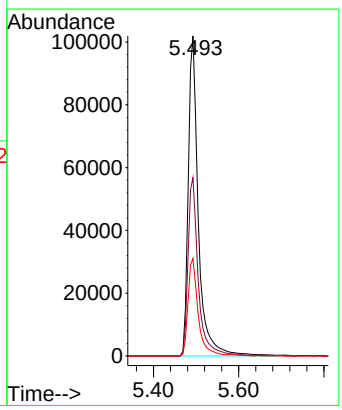


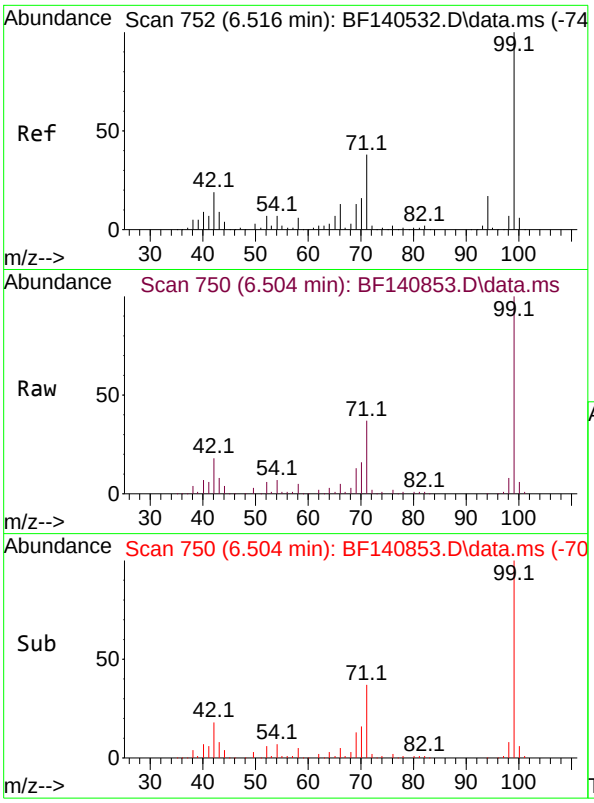


#5
2-Fluorophenol
Concen: 76.480 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion:112 Resp: 168187

Ion	Ratio	Lower	Upper
112	100		
64	55.7	49.2	73.8
63	30.4	27.0	40.4



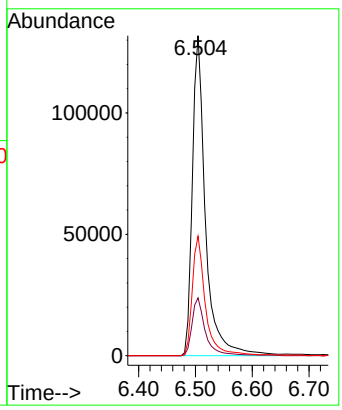


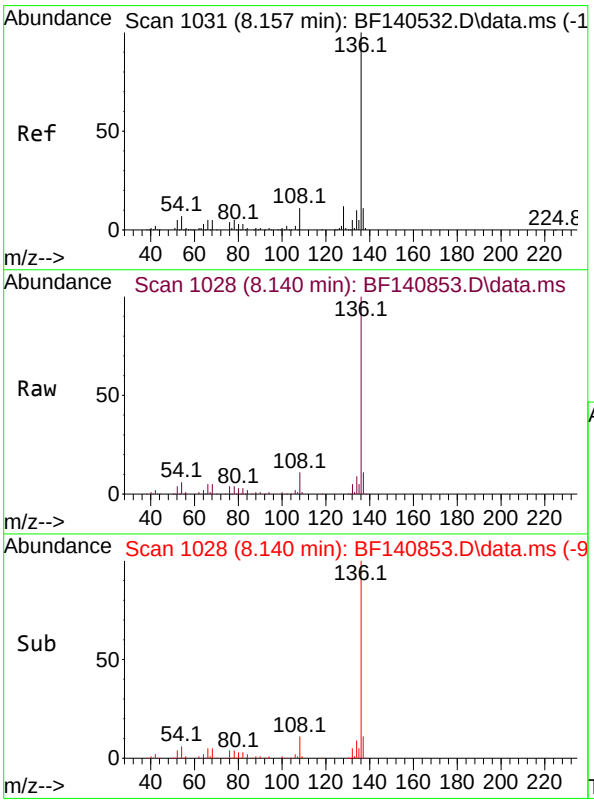
#7
Phenol-d6
Concen: 73.234 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

Tgt Ion: 99 Resp: 212908

Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.4	23.0
71	37.3	30.6	46.0

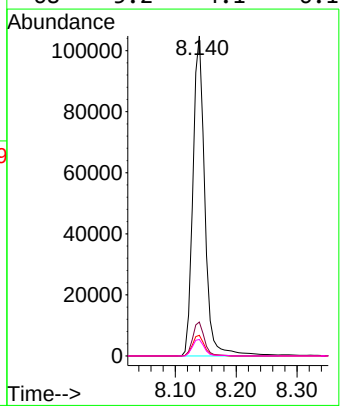


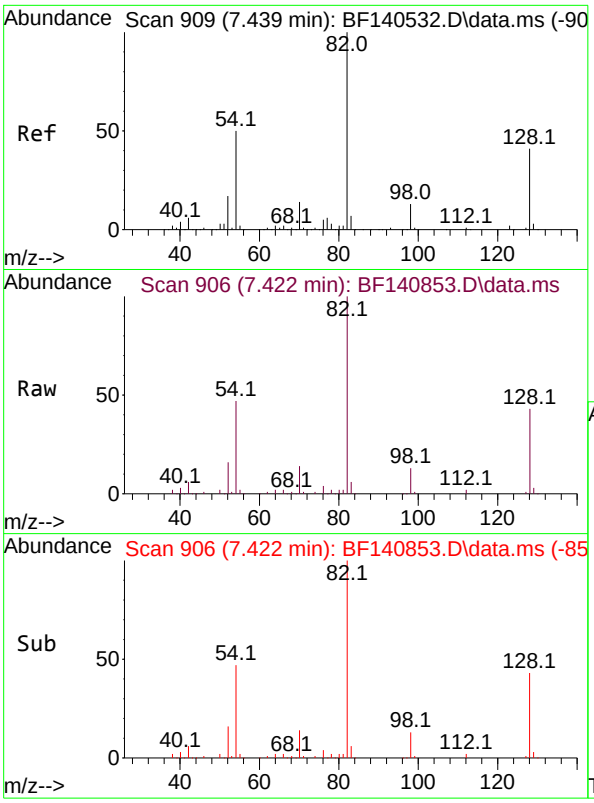


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1028
Delta R.T. -0.018 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion:136 Resp: 142480

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	6.5	5.8	8.8
68	5.2	4.1	6.1



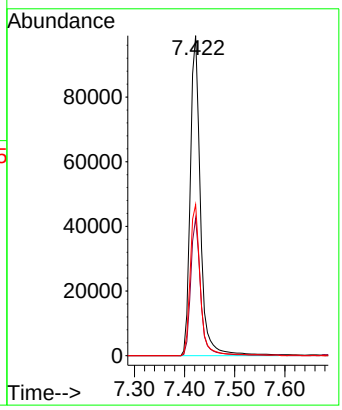


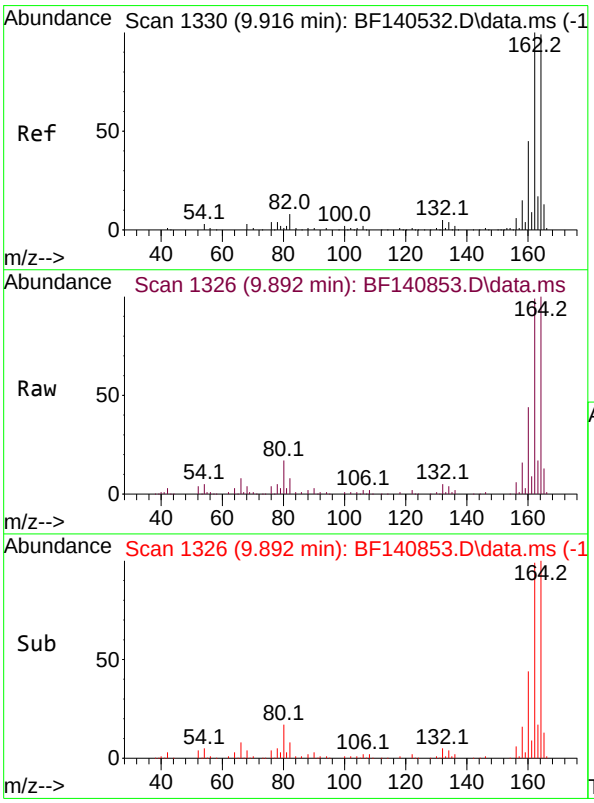
#23
Nitrobenzene-d5
Concen: 50.107 ng
RT: 7.422 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

Tgt Ion: 82 Resp: 139575

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.0	49.4
54	47.2	39.5	59.3

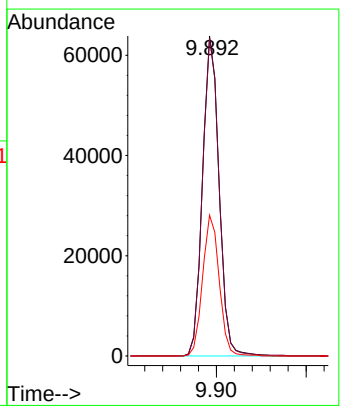


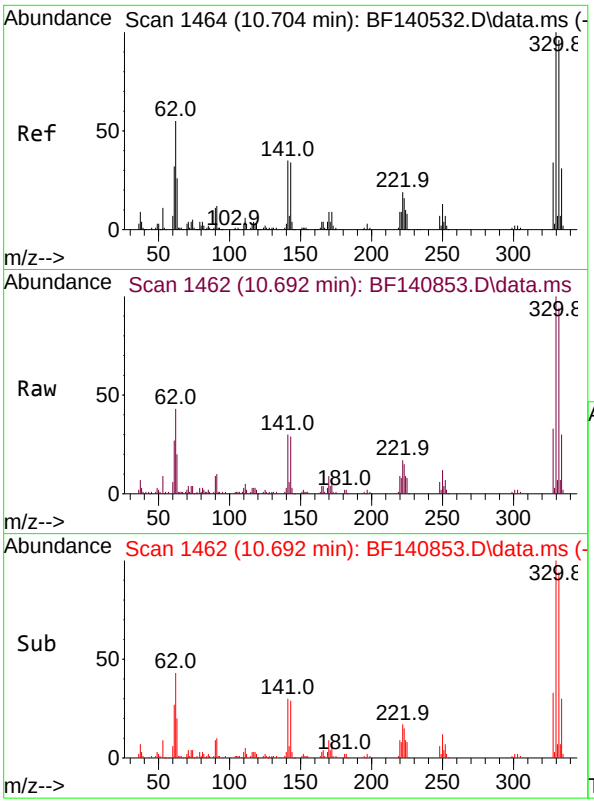


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.023 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion:164 Resp: 81524

Ion	Ratio	Lower	Upper
164	100		
162	99.3	80.6	120.8
160	44.0	36.2	54.4



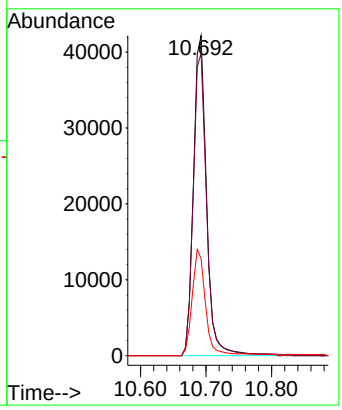


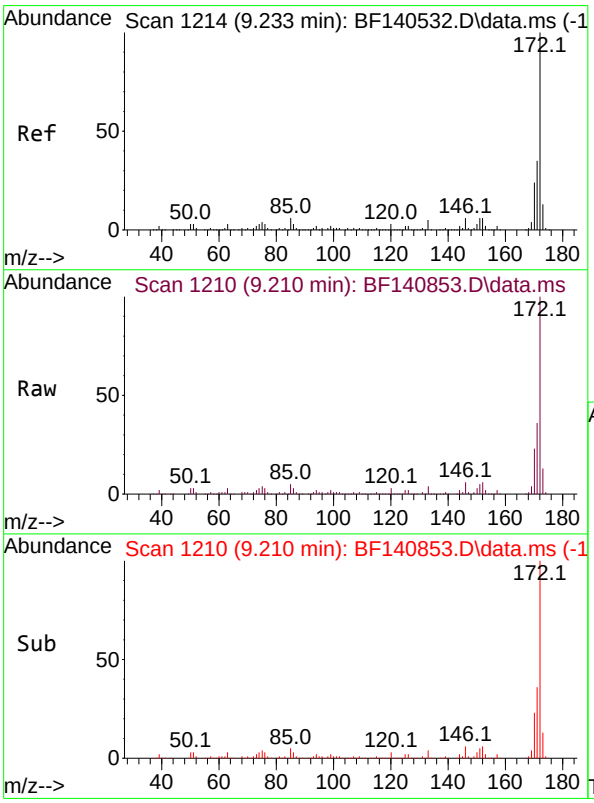
#42
2,4,6-Tribromophenol
Concen: 67.238 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

Tgt Ion:330 Resp: 58625

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.9	115.3
141	34.1	26.7	40.1

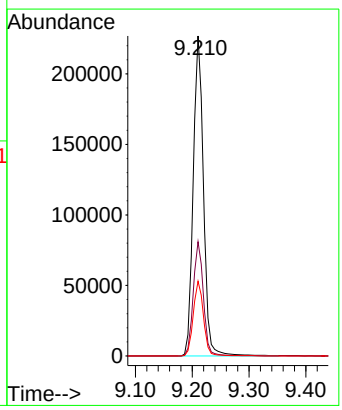


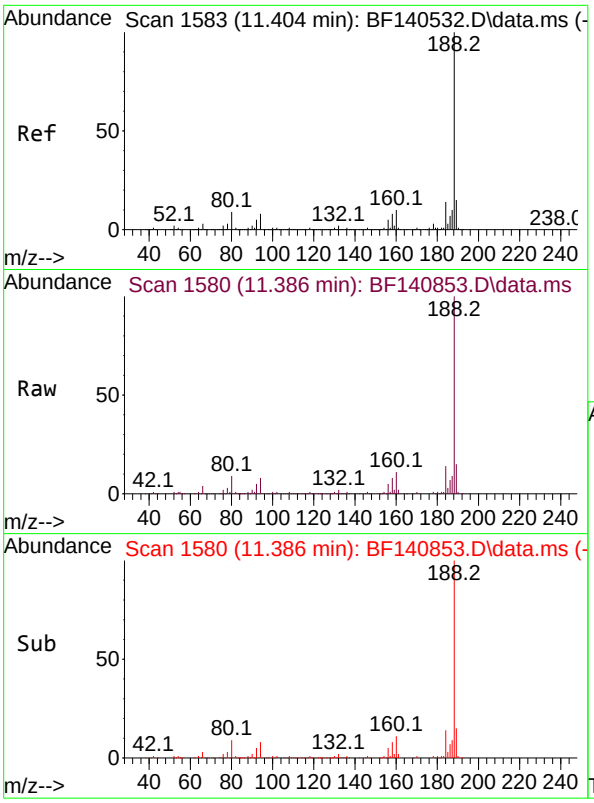


#45
2-Fluorobiphenyl
Concen: 52.426 ng
RT: 9.210 min Scan# 1210
Delta R.T. -0.023 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion:172 Resp: 286856

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.4	42.6
170	23.4	19.0	28.6



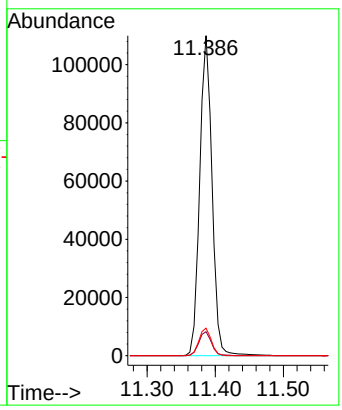


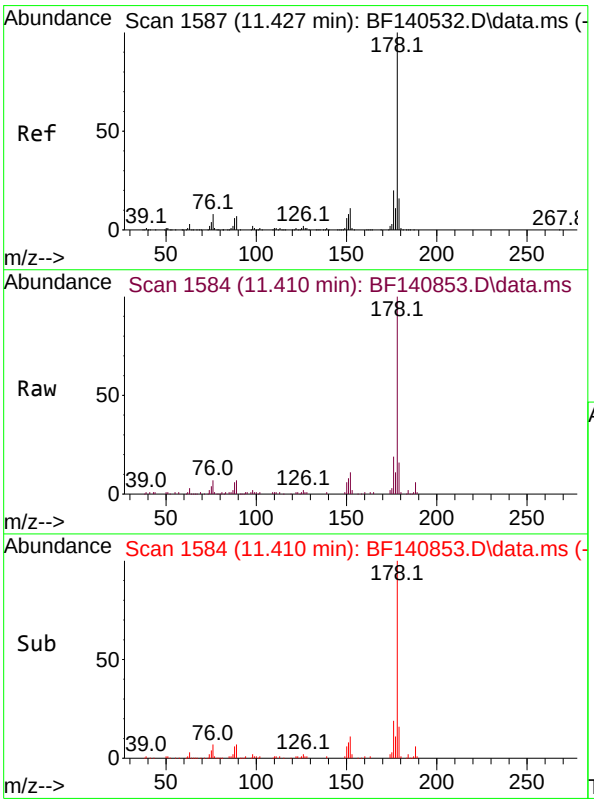
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

Tgt Ion:188 Resp: 138259

Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.4	9.6
80	8.6	6.9	10.3

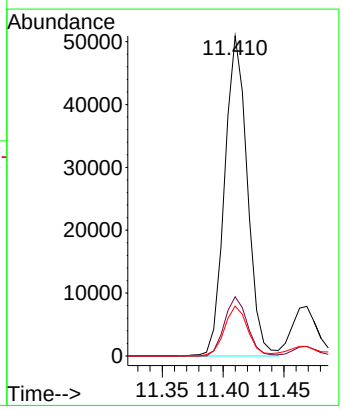


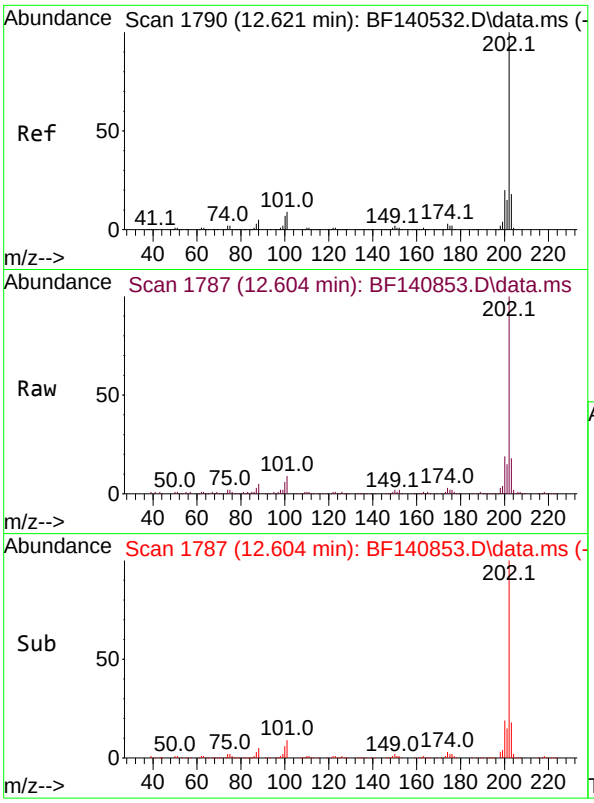


#71
Phenanthrene
Concen: 9.908 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.018 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion:178 Resp: 65847

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.6
179	15.6	12.4	18.6



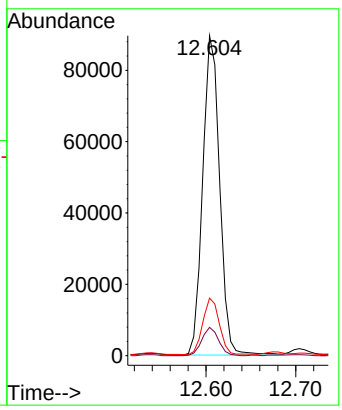


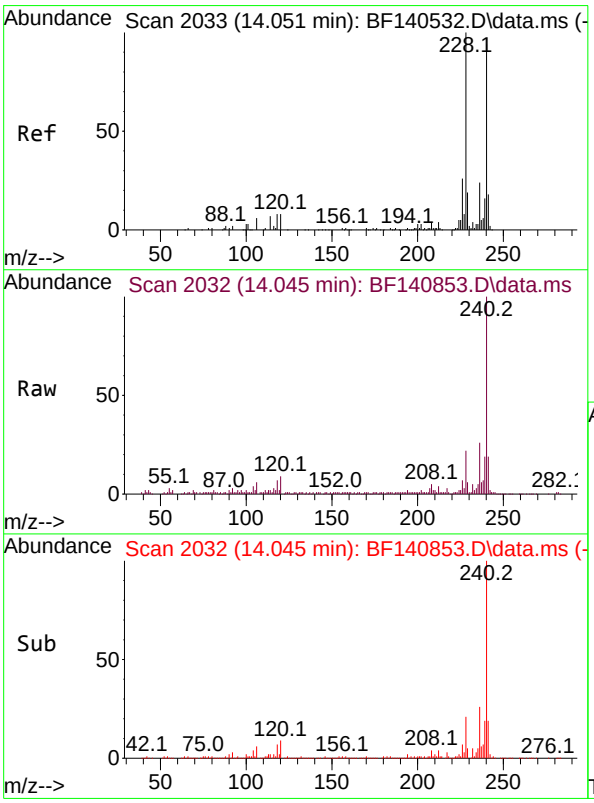
#75
Fluoranthene
Concen: 16.254 ng
RT: 12.604 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

Tgt Ion:202 Resp: 117286

Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	28.9
203	18.0	0.0	37.6

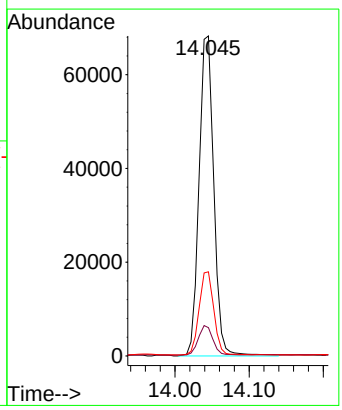


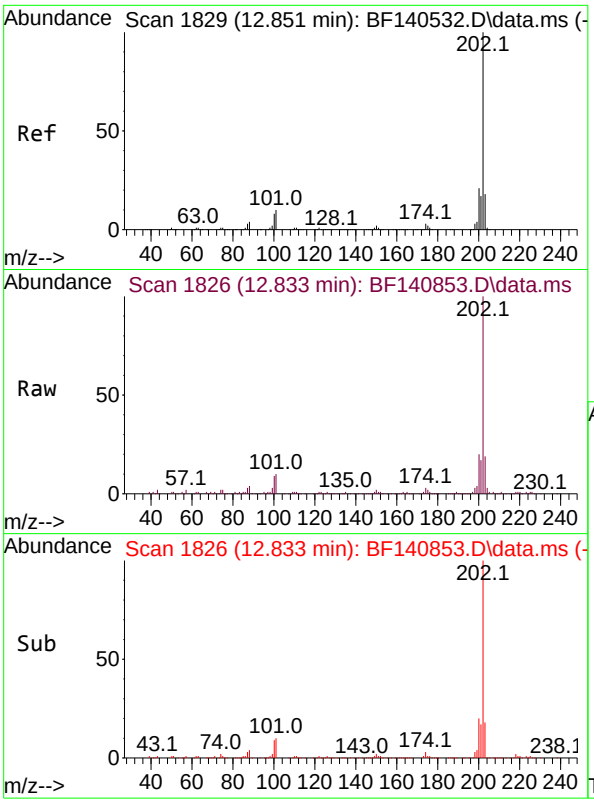


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion:240 Resp: 94608

Ion	Ratio	Lower	Upper
240	100		
120	8.9	7.3	10.9
236	26.3	20.6	31.0



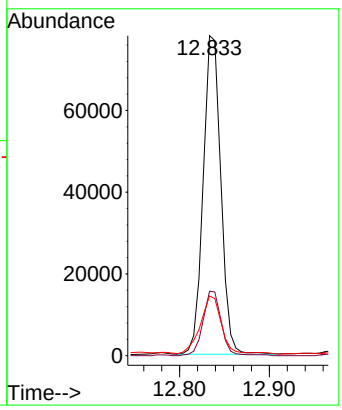


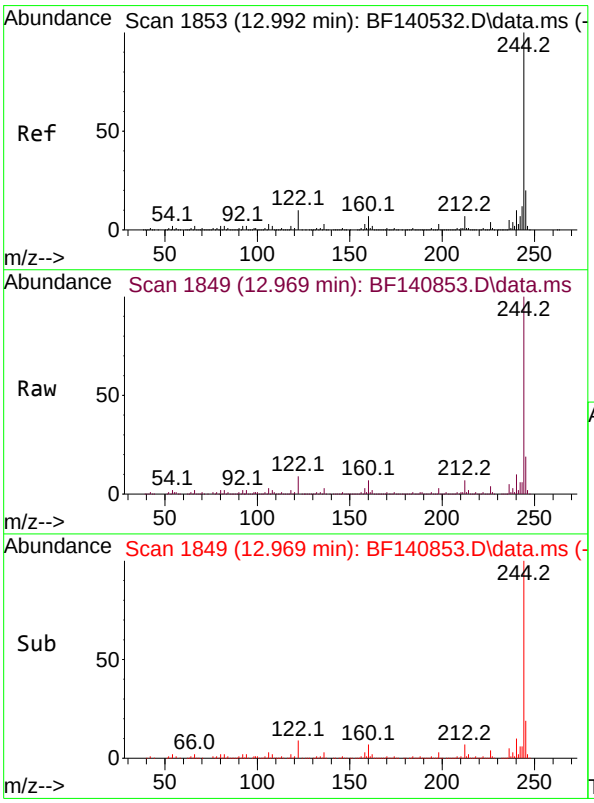
#78
Pyrene
Concen: 12.199 ng
RT: 12.833 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

Tgt Ion:202 Resp: 106715

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.5	24.7
203	18.7	14.2	21.4

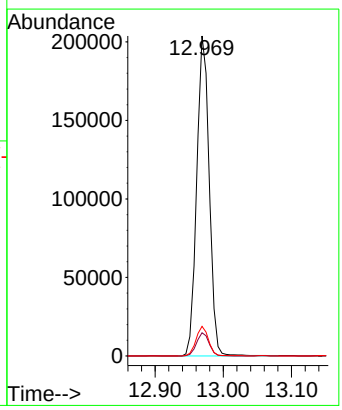


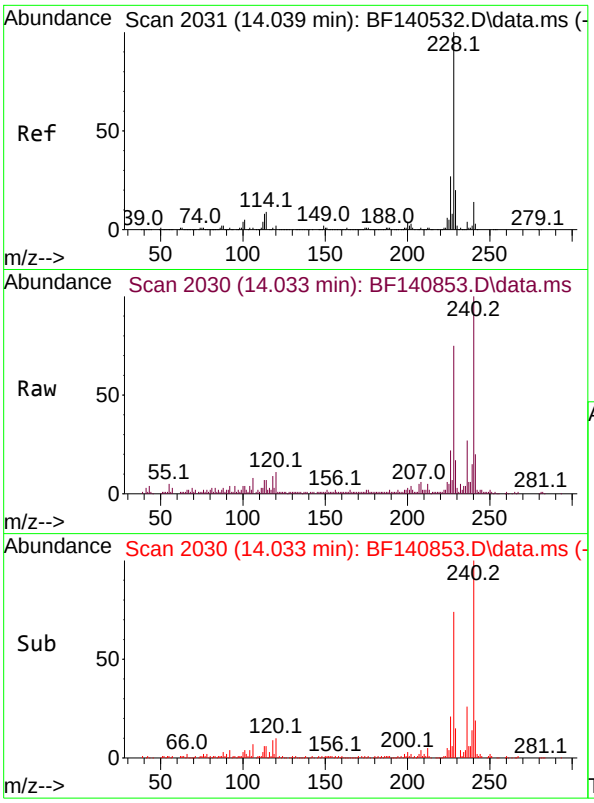


#79
Terphenyl-d14
Concen: 42.761 ng
RT: 12.969 min Scan# 1849
Delta R.T. -0.023 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion:244 Resp: 259806

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	9.3	8.0	12.0



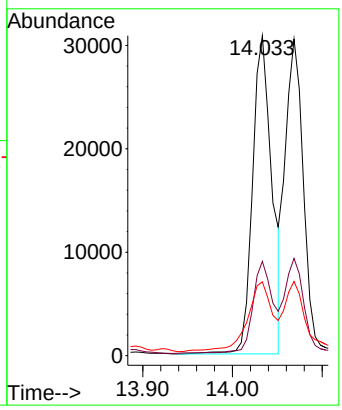


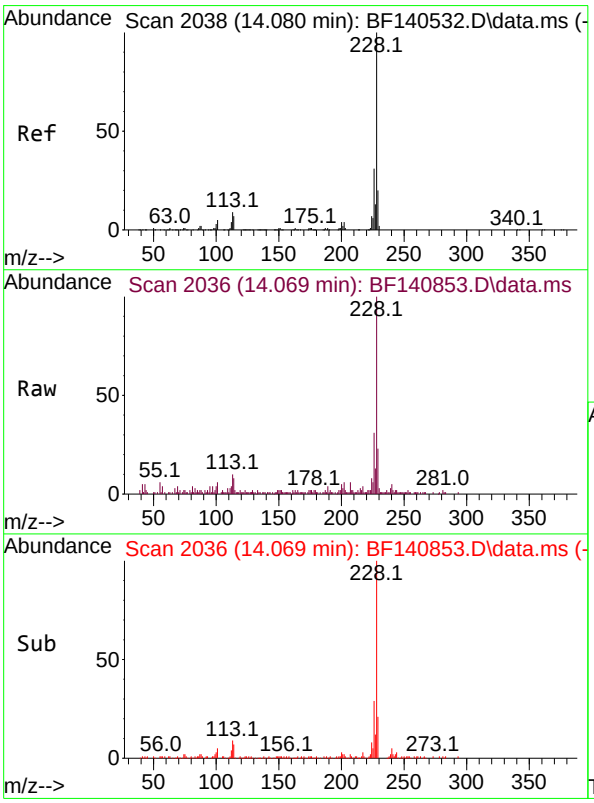
#81
Benzo(a)anthracene
Concen: 7.361 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

Tgt Ion:228 Resp: 46098

Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.8	32.8
229	23.1	15.8	23.6

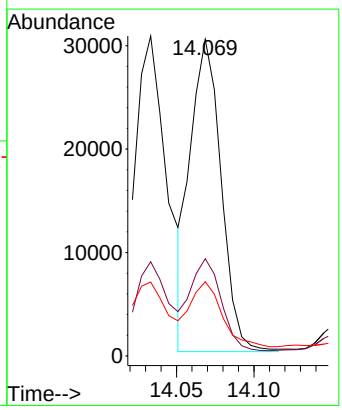


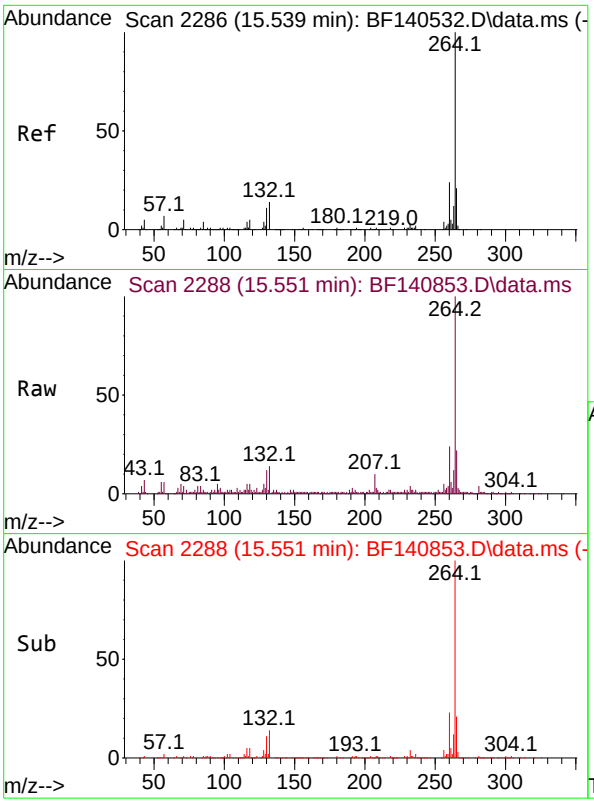


#83
Chrysene
Concen: 7.314 ng
RT: 14.069 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion:228 Resp: 41882

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.4	36.6
229	23.4	15.8	23.6



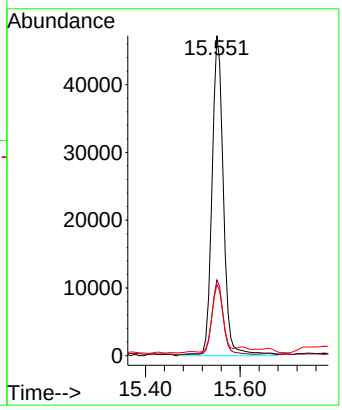


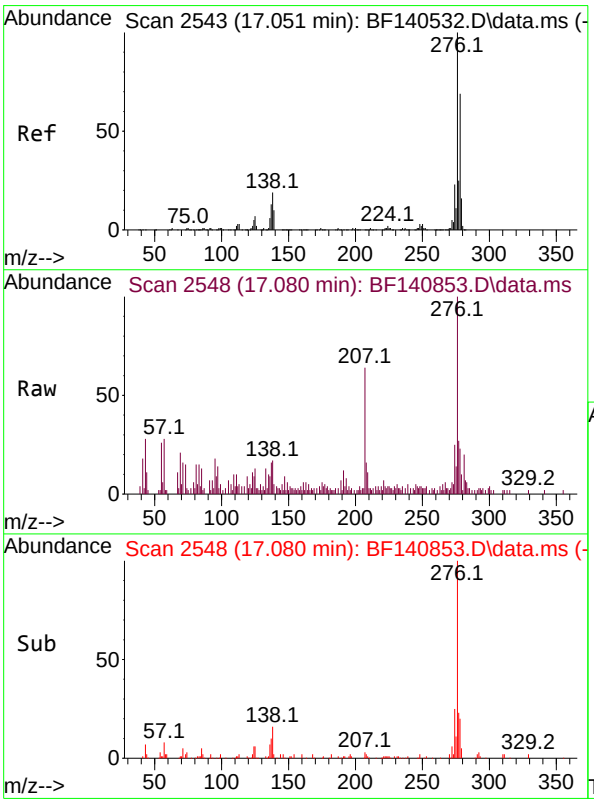
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

Tgt Ion:264 Resp: 79573

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	22.2	16.6	25.0

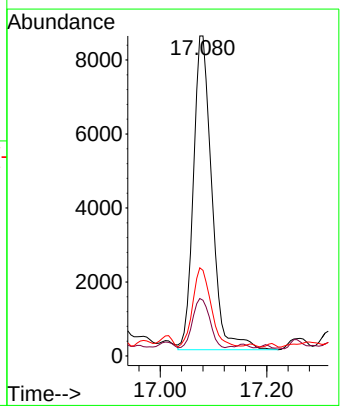


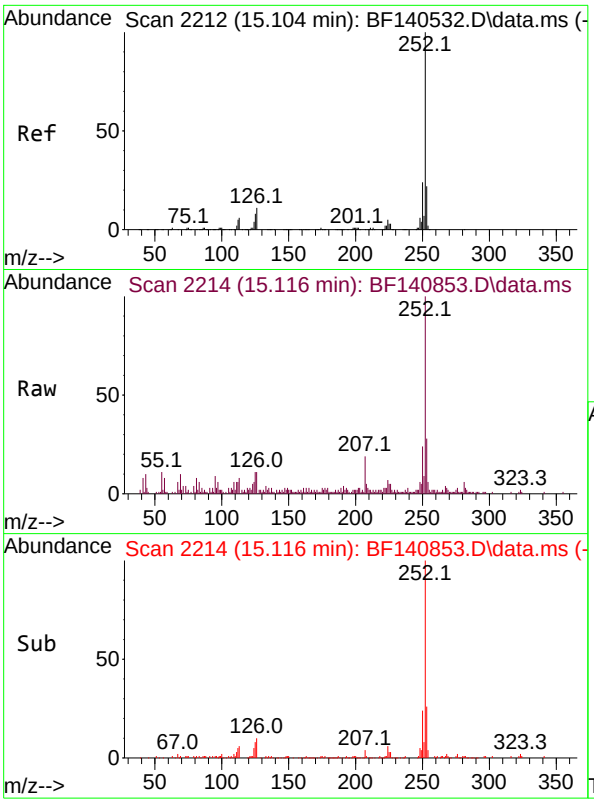


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.945 ng
RT: 17.080 min Scan# 2548
Delta R.T. 0.030 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion:276 Resp: 20460

Ion	Ratio	Lower	Upper
276	100		
138	14.3	15.5	23.3#
277	24.7	20.1	30.1



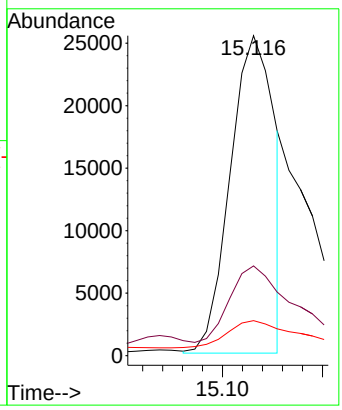


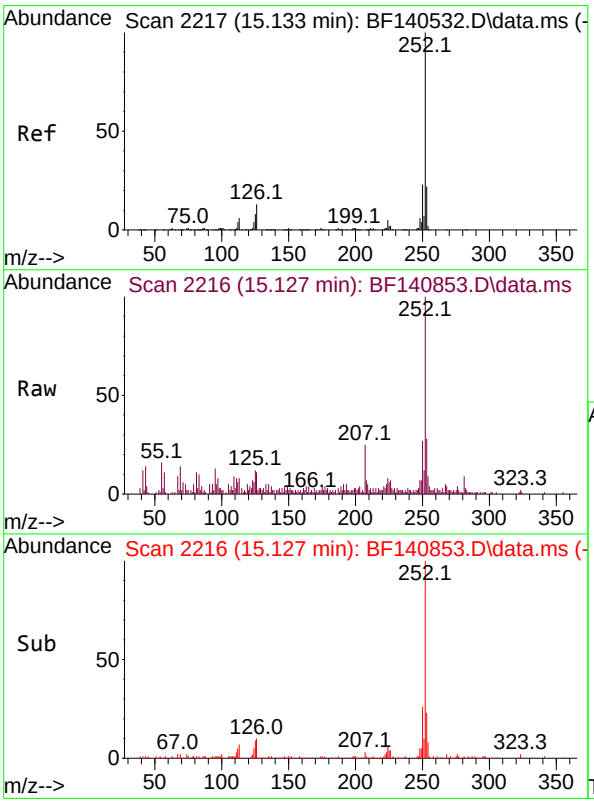
#88
Benzo(b)fluoranthene
Concen: 7.834 ng m
RT: 15.116 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

Tgt Ion:252 Resp: 39156

Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.2	25.8#
125	11.0	6.7	10.1#

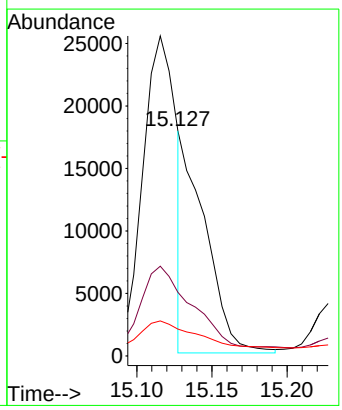


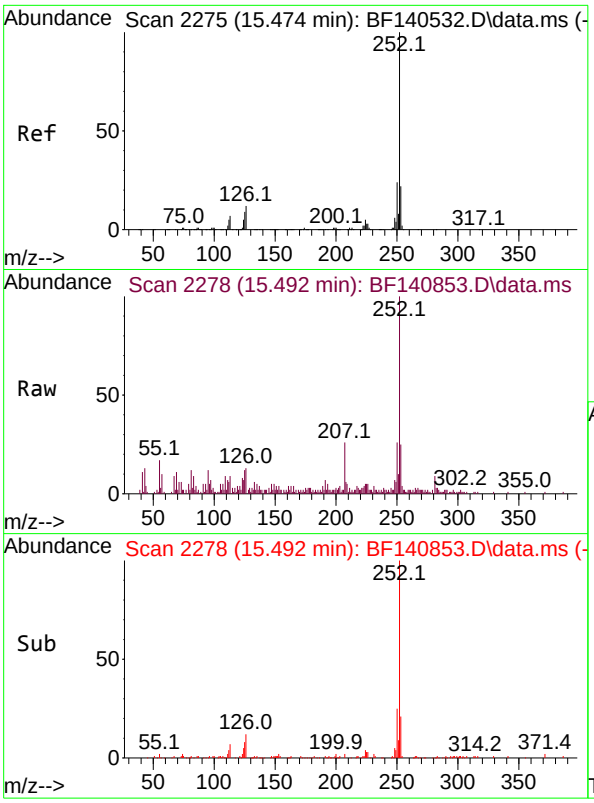


#89
Benzo(k)fluoranthene
Concen: 4.308 ng m
RT: 15.127 min Scan# 2216
Delta R.T. -0.006 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion:252 Resp: 18841

Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.5	26.3#
125	12.0	6.5	9.7#



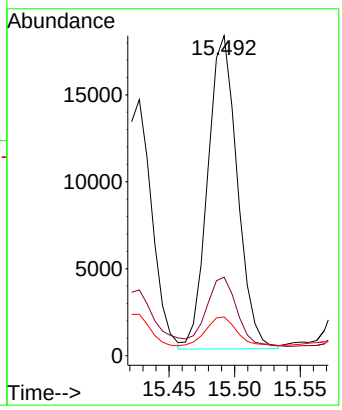


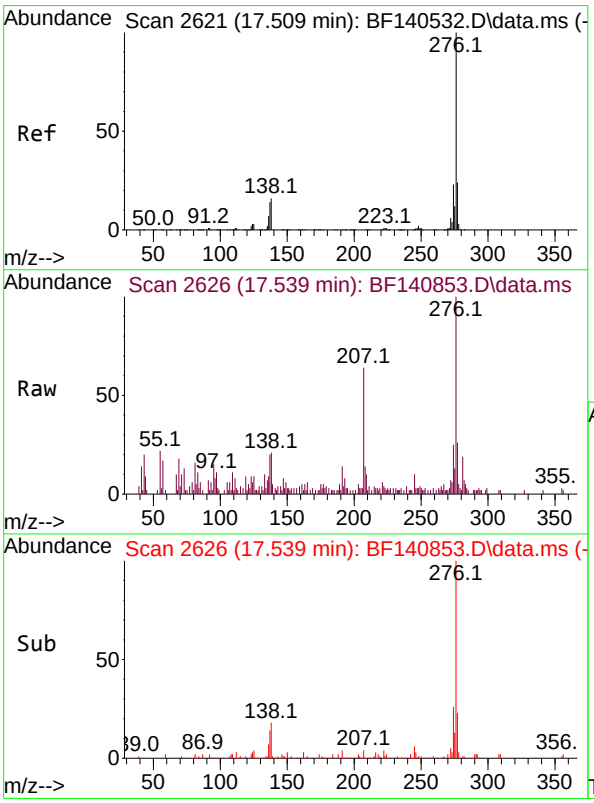
#90
Benzo(a)pyrene
Concen: 6.967 ng
RT: 15.492 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Instrument :
BNA_F
ClientSampleId :
OK-01-12062024RE

Tgt Ion:252 Resp: 28311

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.3	25.9
125	12.1	7.0	10.6#





#92
Benzo(g,h,i)perylene
Concen: 4.837 ng
RT: 17.539 min Scan# 2626
Delta R.T. 0.030 min
Lab File: BF140853.D
Acq: 13 Dec 2024 19:12

Tgt Ion:276 Resp: 20964

Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.9	28.3
138	20.7	13.2	19.8#