Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053024\
Data File : BF138082.D
Acq On : 30 May 2024 18:19
Operator : CG\JU
Sample : P2655-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EO-02-052924

Quant Time: May 31 01:49:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 15 04:12:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.034	152	94528	20.000	ng		-0.01
21) Naphthalene-d8	8.316	136	323944	20.000	ng		-0.01
39) Acenaphthene-d10	10.081	164	141251	20.000	ng		0.00
64) Phenanthrene-d10	11.575	188	214379	20.000	ng		0.00
76) Chrysene-d12	14.233	240	151627	20.000	ng		0.00
86) Perylene-d12	15.804	264	124179	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.663	112	316085	56.800	ng		0.00
7) Phenol-d6	6.657	99	351283	51.244	ng		0.00
23) Nitrobenzene-d5	7.592	82	216803	39.386	ng		-0.02
42) 2,4,6-Tribromophenol	10.875	330	80466	56.498	ng		0.00
45) 2-Fluorobiphenyl	9.392	172	432104	47.122	ng		0.00
79) Terphenyl-d14	13.163	244	422030	41.021	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.598	178	124212	11.758	ng		98
72) Anthracene	11.651	178	33680m	3.213	ng		
75) Fluoranthene	12.798	202	266528	24.856	ng		98
78) Pyrene	13.033	202	232583	17.538	ng		99
81) Benzo(a)anthracene	14.221	228	92501	9.643	ng		94
83) Chrysene	14.257	228	91068m	9.926	ng		
87) Indeno(1,2,3-cd)pyrene	17.433	276	40884	5.125	ng	#	92
88) Benzo(b)fluoranthene	15.327	252	90877m	12.639	ng		
89) Benzo(k)fluoranthene	15.357	252	34306m	4.857	ng		
90) Benzo(a)pyrene	15.733	252	66003	10.750	ng	#	93
92) Benzo(g,h,i)perylene	17.933	276	39074	5.643	ng	#	89

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

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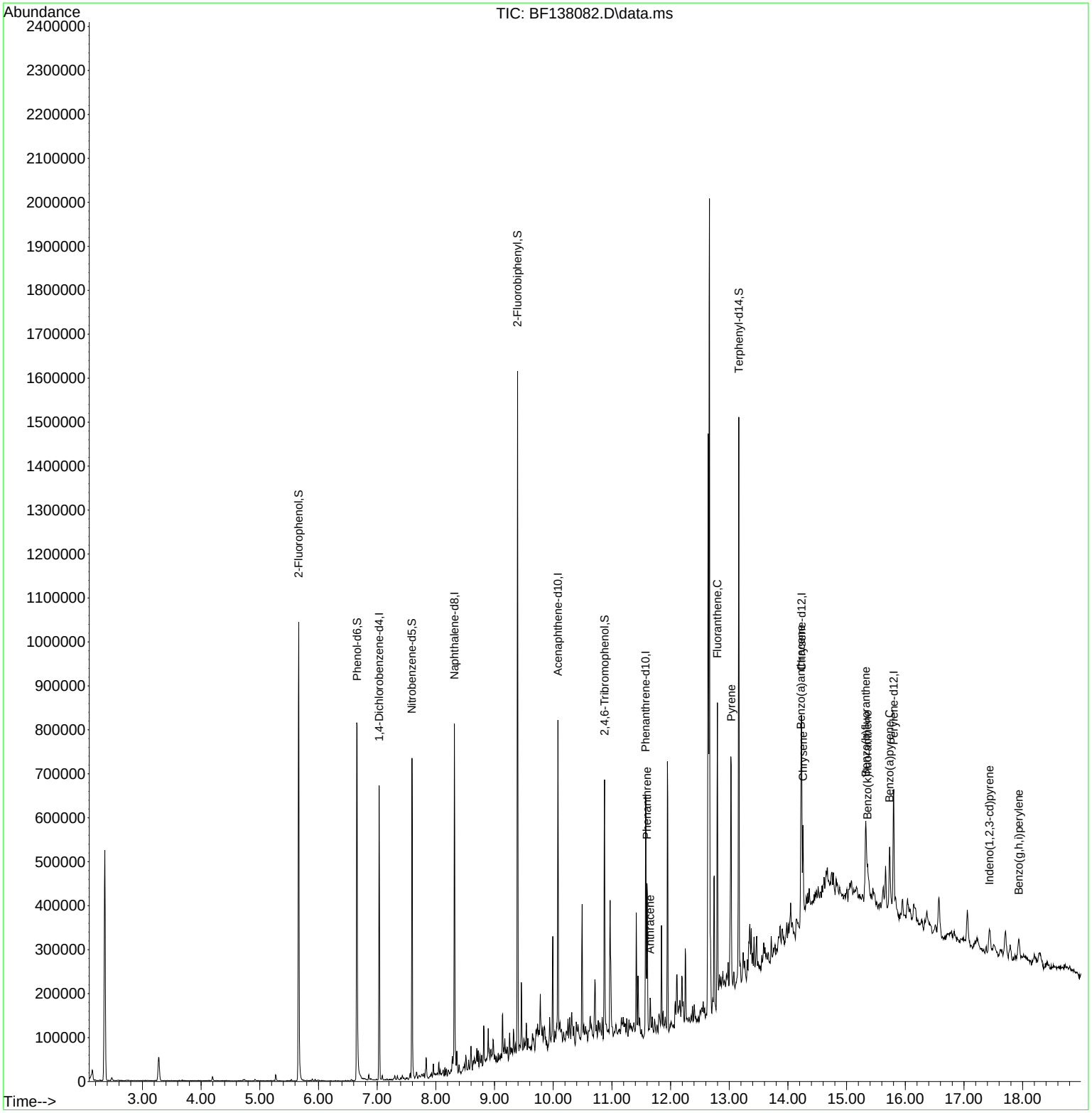
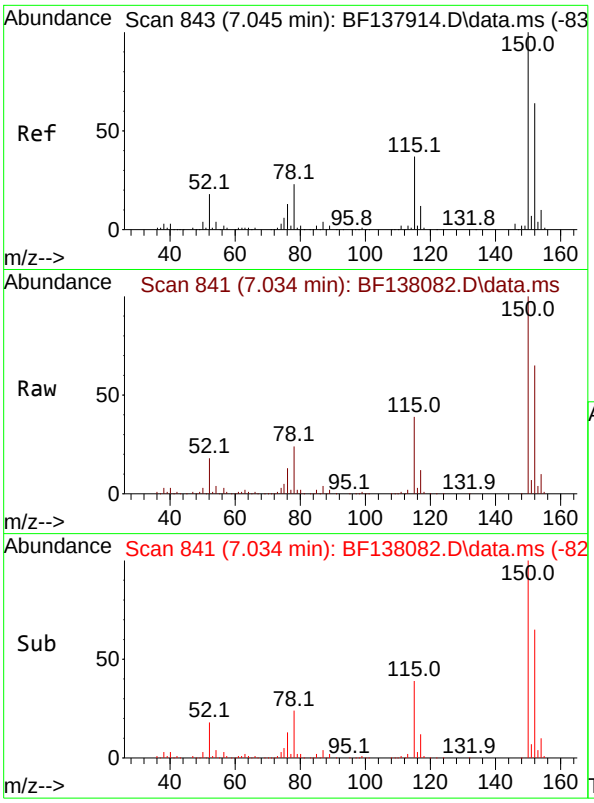


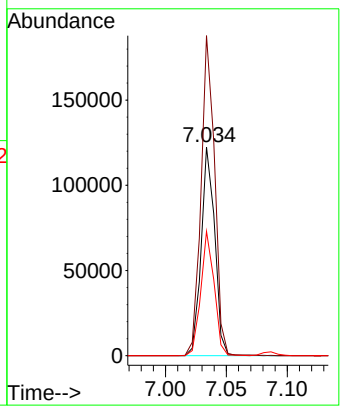


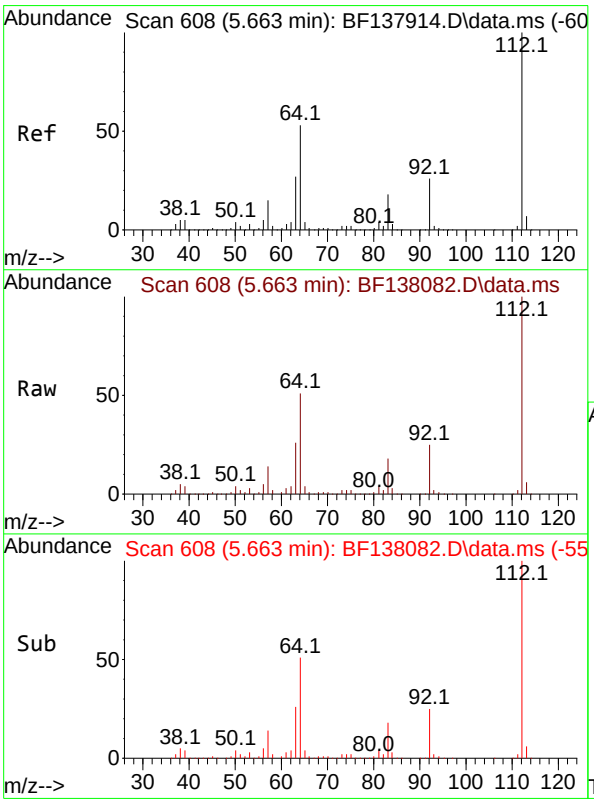
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Instrument :
BNA_F
ClientSampleId :
EO-02-052924

Tgt Ion:152 Resp: 94528

Ion	Ratio	Lower	Upper
152	100		
150	153.4	125.7	188.5
115	59.6	47.0	70.6

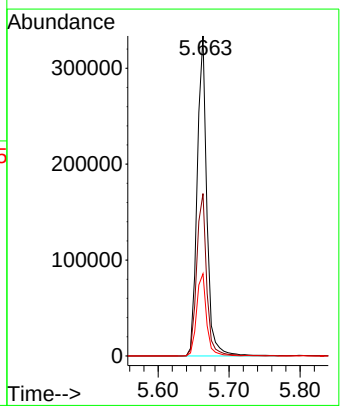


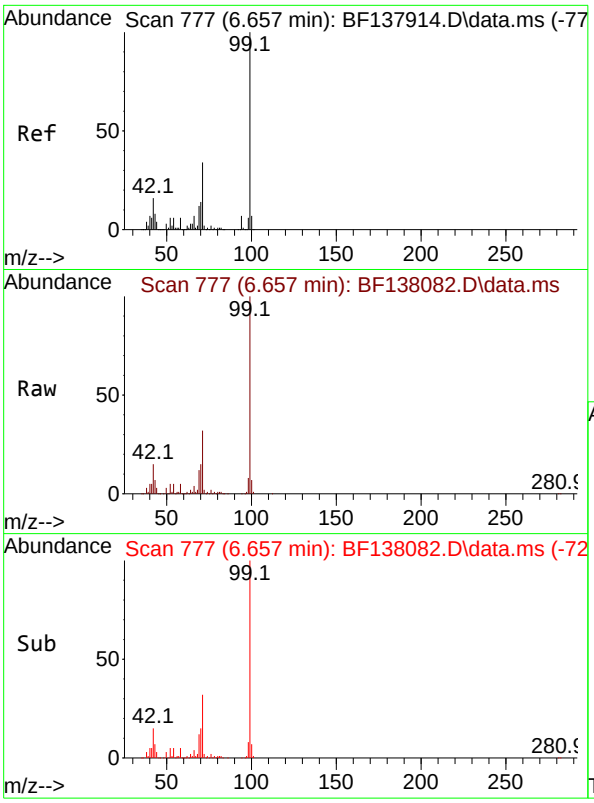


#5
2-Fluorophenol
Concen: 56.800 ng
RT: 5.663 min Scan# 608
Delta R.T. 0.000 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Tgt Ion:112 Resp: 316085

Ion	Ratio	Lower	Upper
112	100		
64	50.7	42.4	63.6
63	25.7	21.4	32.2



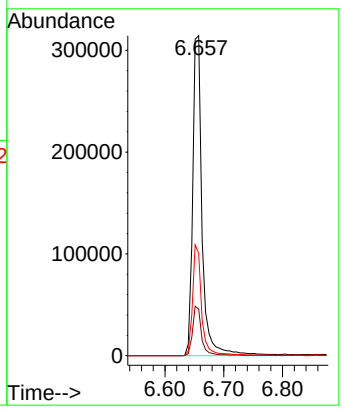


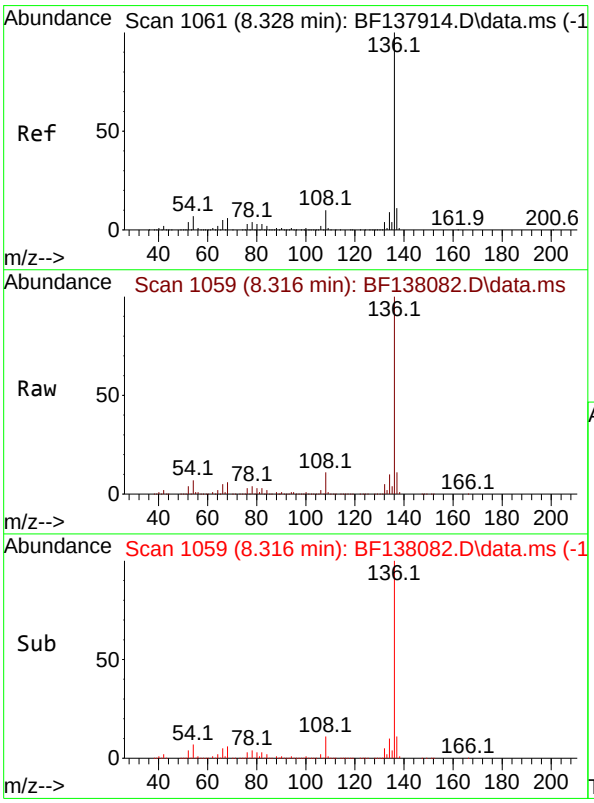
#7
Phenol-d6
Concen: 51.244 ng
RT: 6.657 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Instrument :
BNA_F
ClientSampleId :
EO-02-052924

Tgt Ion: 99 Resp: 351283

Ion	Ratio	Lower	Upper
99	100		
42	14.6	12.6	18.8
71	31.9	27.1	40.7

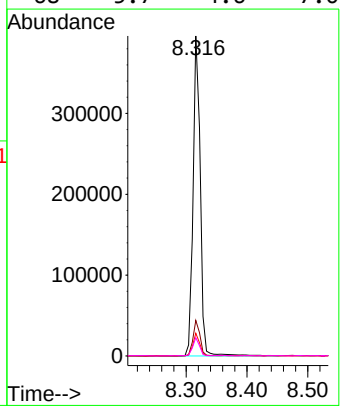


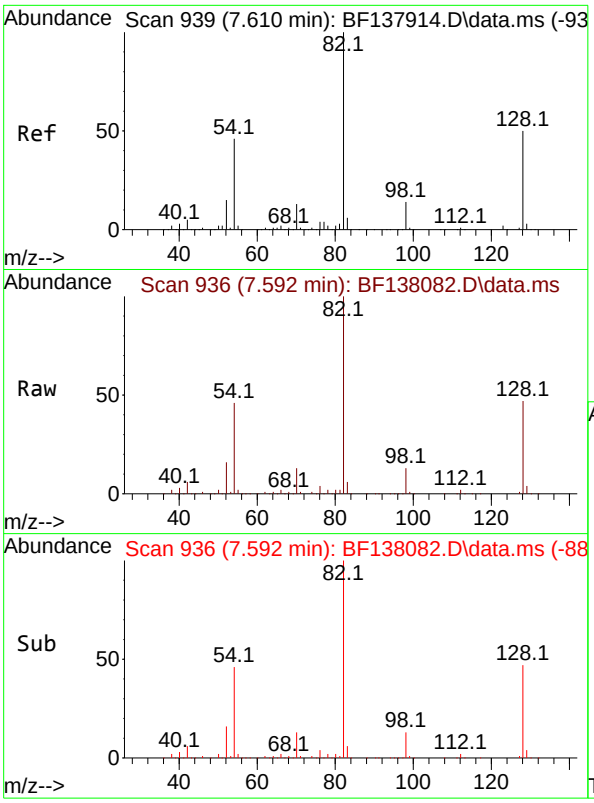


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Tgt Ion:136 Resp: 323944

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.1	5.4	8.2
68	5.7	4.6	7.0



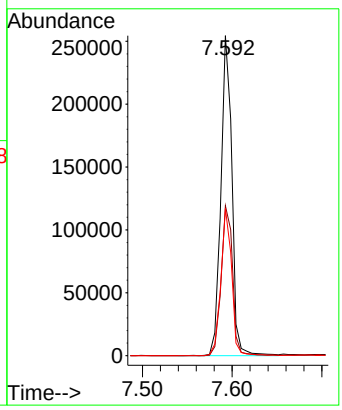


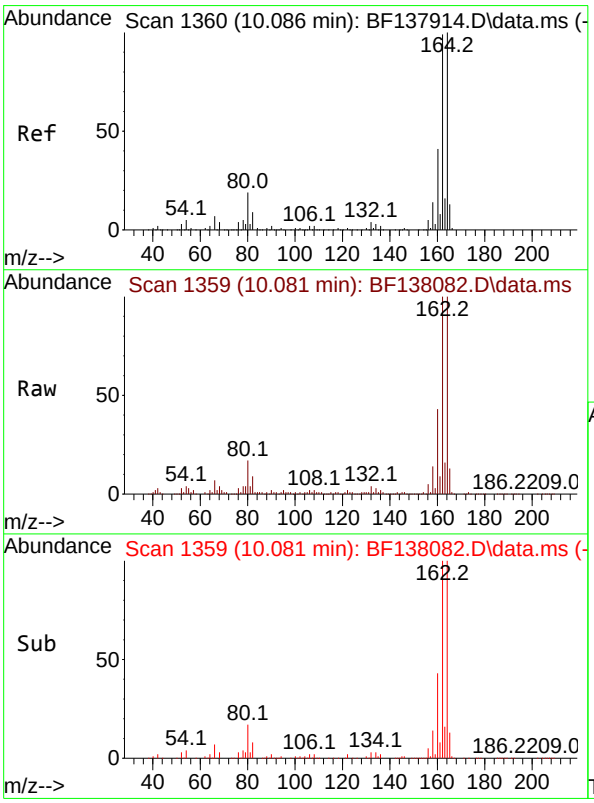
#23
Nitrobenzene-d5
Concen: 39.386 ng
RT: 7.592 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Instrument :
BNA_F
ClientSampleId :
EO-02-052924

Tgt Ion: 82 Resp: 216803

Ion	Ratio	Lower	Upper
82	100		
128	46.9	40.3	60.5
54	46.0	36.8	55.2

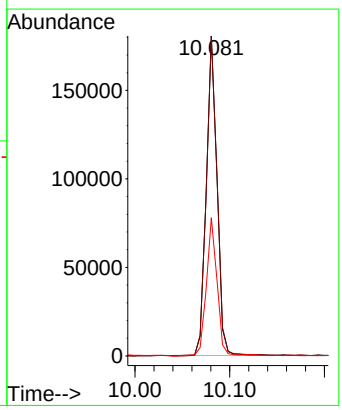


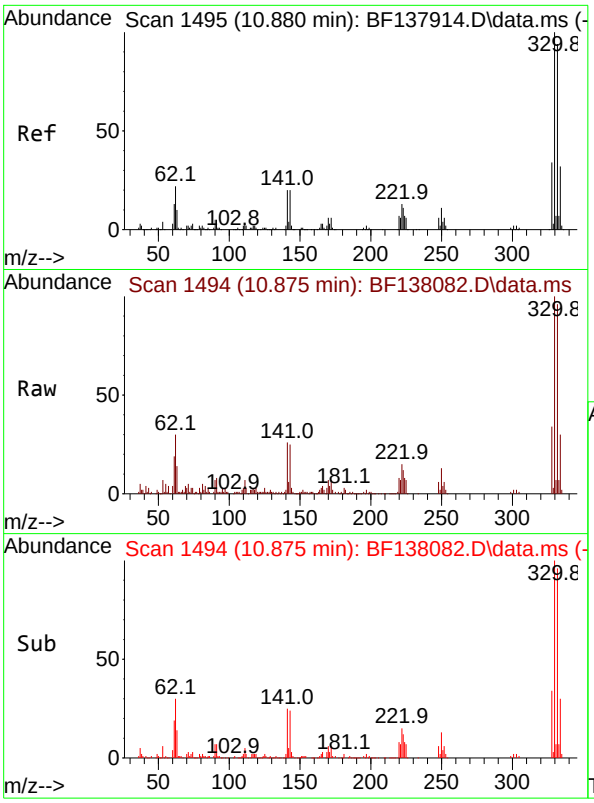


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.005 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Tgt Ion:164 Resp: 141251

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.4	119.2
160	43.2	33.1	49.7



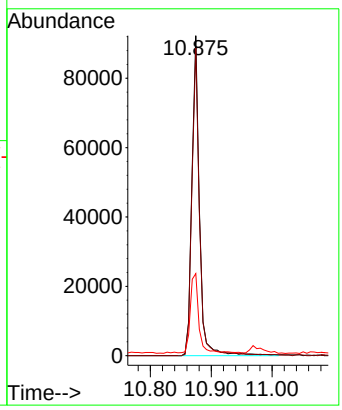


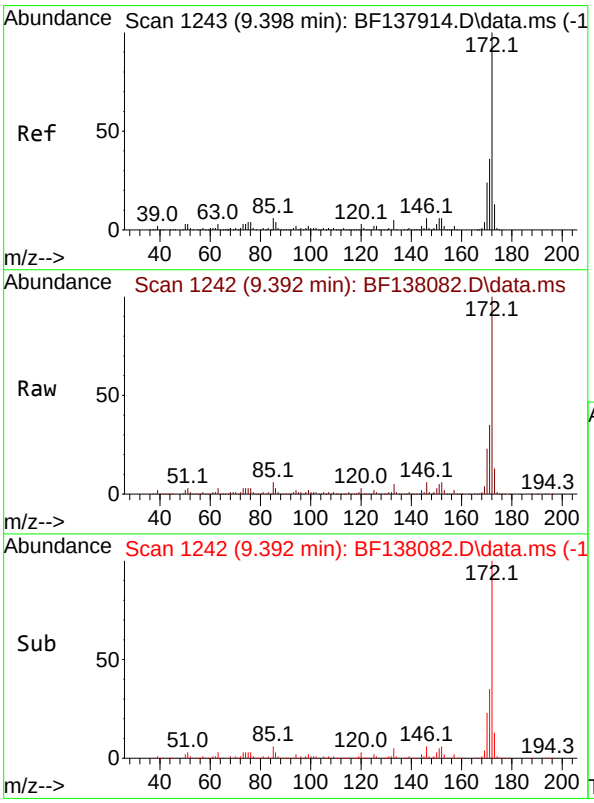
#42
2,4,6-Tribromophenol
Concen: 56.498 ng
RT: 10.875 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Instrument :
BNA_F
ClientSampleId :
EO-02-052924

Tgt Ion:330 Resp: 80466

Ion	Ratio	Lower	Upper
330	100		
332	95.3	75.8	113.8
141	27.7	23.8	35.6

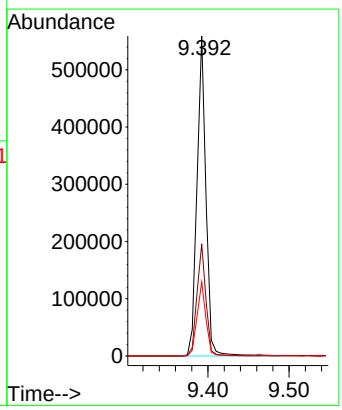


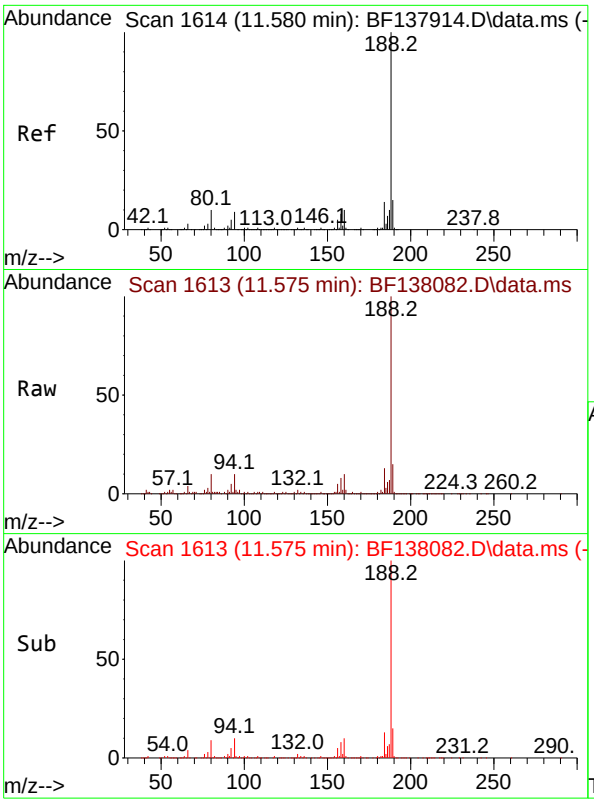


#45
2-Fluorobiphenyl
Concen: 47.122 ng
RT: 9.392 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Tgt Ion:172 Resp: 432104

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.9	43.3
170	23.1	18.9	28.3



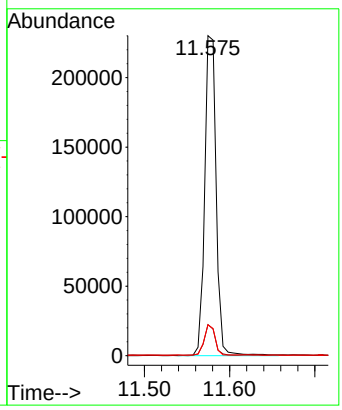


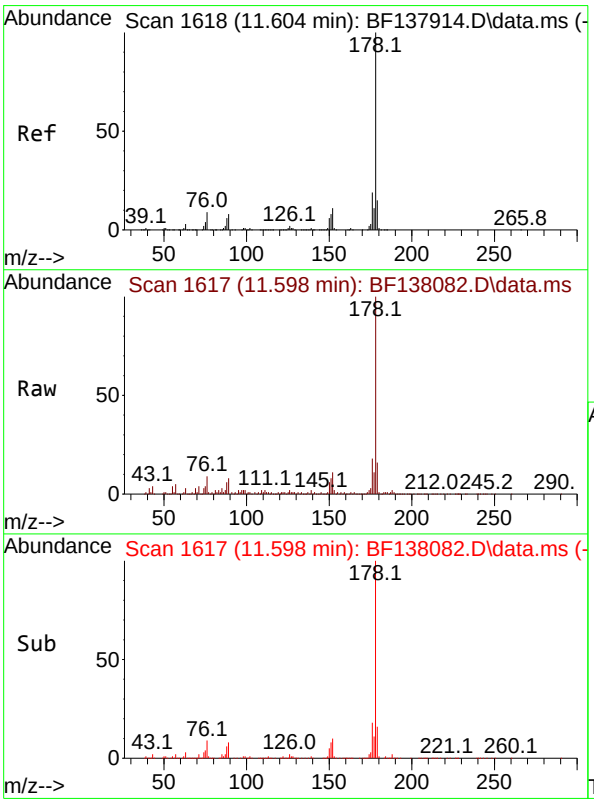
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.575 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Instrument :
BNA_F
ClientSampleId :
EO-02-052924

Tgt Ion:188 Resp: 214379

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.0	10.4
80	9.6	7.7	11.5

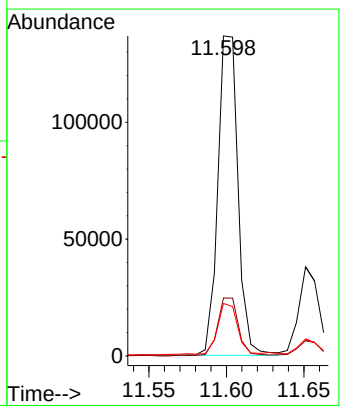


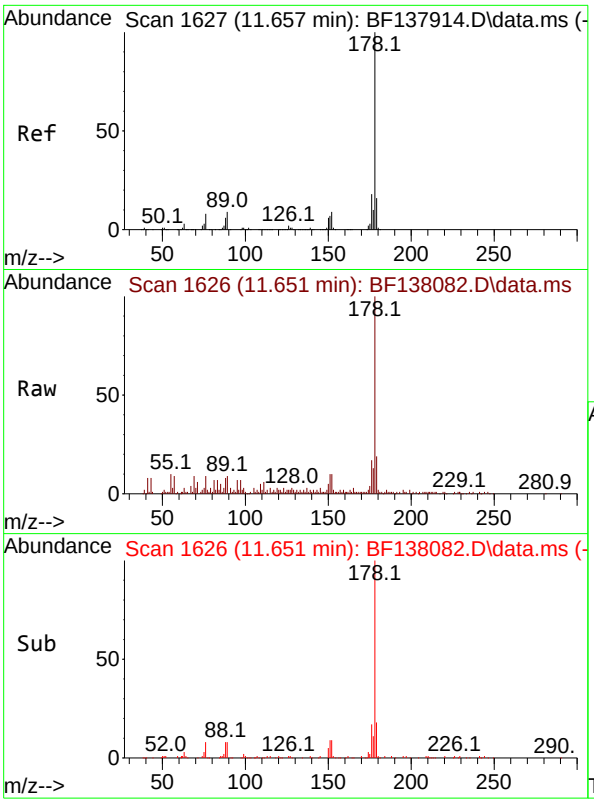


#71
Phenanthrene
Concen: 11.758 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Tgt Ion:178 Resp: 124212

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.2	22.8
179	16.4	12.2	18.4



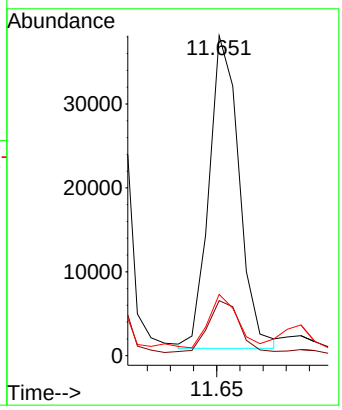


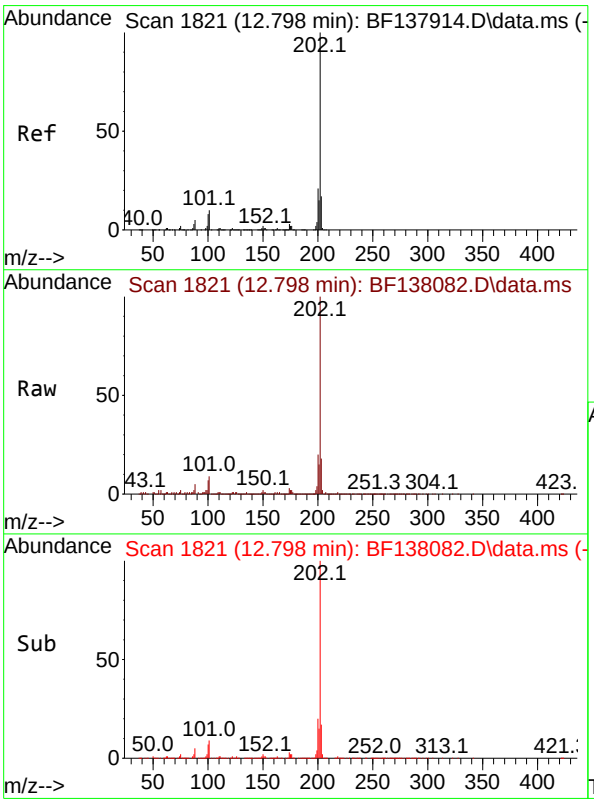
#72
Anthracene
Concen: 3.213 ng m
RT: 11.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Instrument :
BNA_F
ClientSampleId :
EO-02-052924

Tgt Ion:178 Resp: 33680

Ion	Ratio	Lower	Upper
178	100		
176	17.2	14.7	22.1
179	19.1	12.4	18.6#

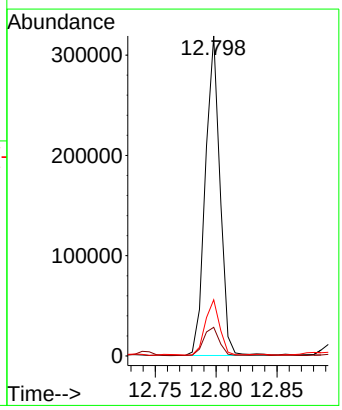


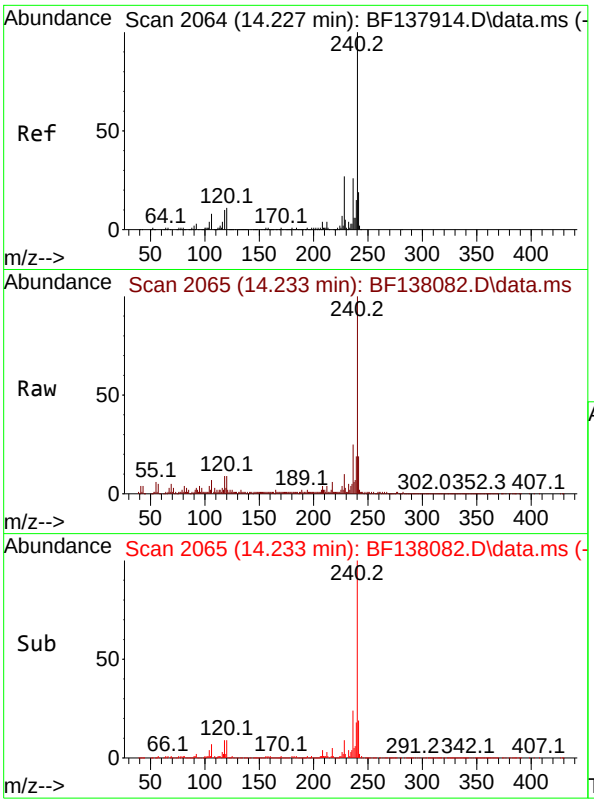


#75
Fluoranthene
Concen: 24.856 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.000 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Tgt Ion:202 Resp: 266528

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	30.5
203	17.5	0.0	37.3



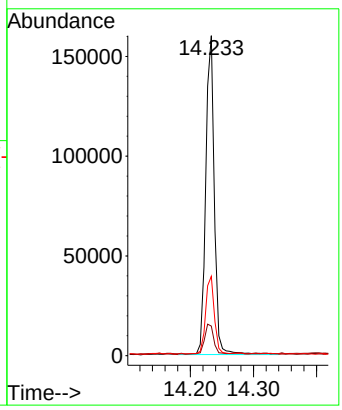


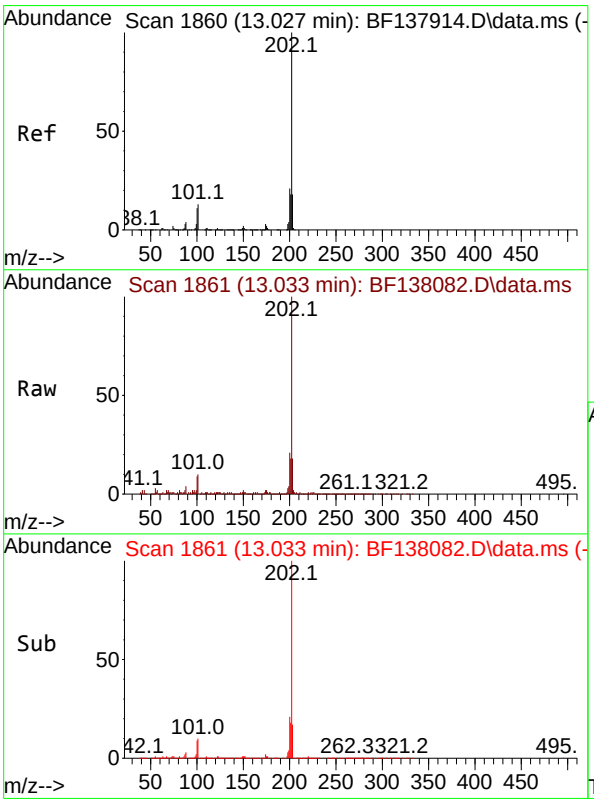
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.233 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Instrument :
BNA_F
ClientSampleId :
EO-02-052924

Tgt Ion:240 Resp: 151627

Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.9	13.3
236	24.8	21.0	31.4

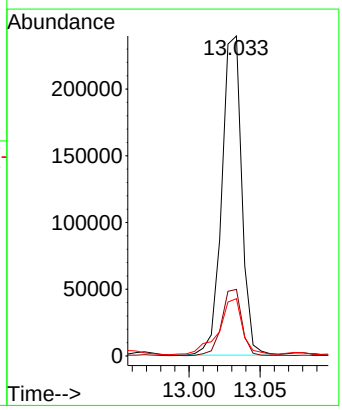


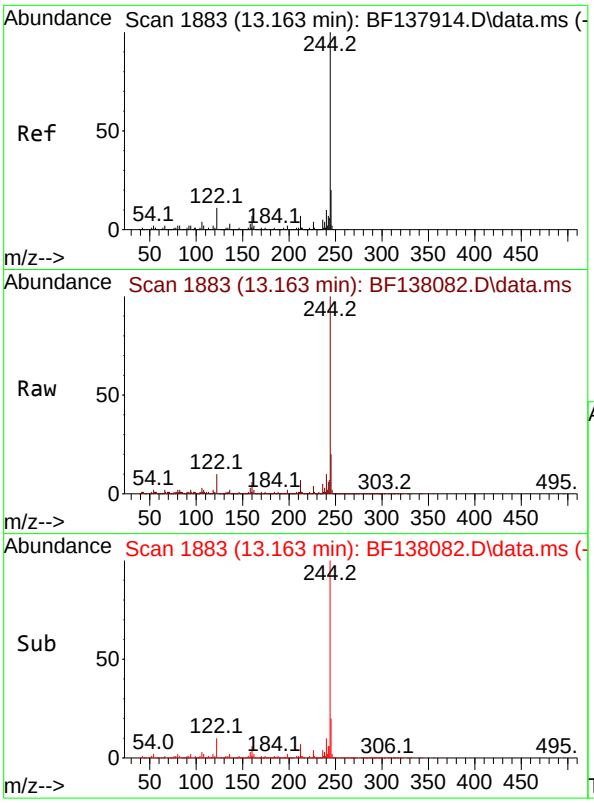


#78
Pyrene
Concen: 17.538 ng
RT: 13.033 min Scan# 1861
Delta R.T. 0.006 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Tgt Ion:202 Resp: 232583

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	17.9	14.1	21.1



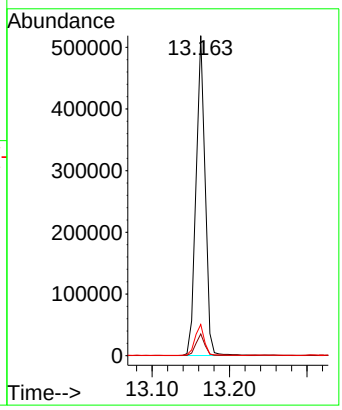


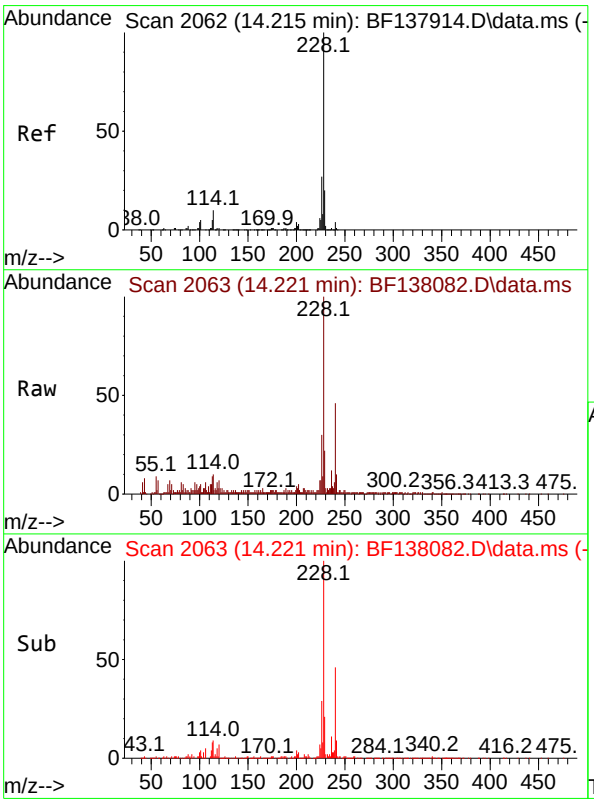
#79
Terphenyl-d14
Concen: 41.021 ng
RT: 13.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Instrument :
BNA_F
ClientSampleId :
EO-02-052924

Tgt Ion:244 Resp: 422030

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	9.8	8.8	13.2

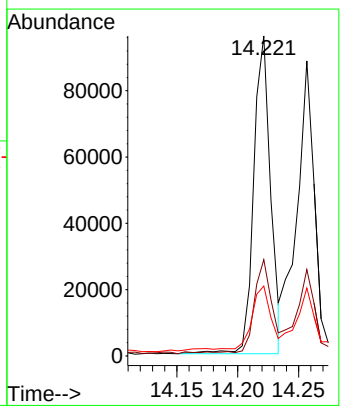


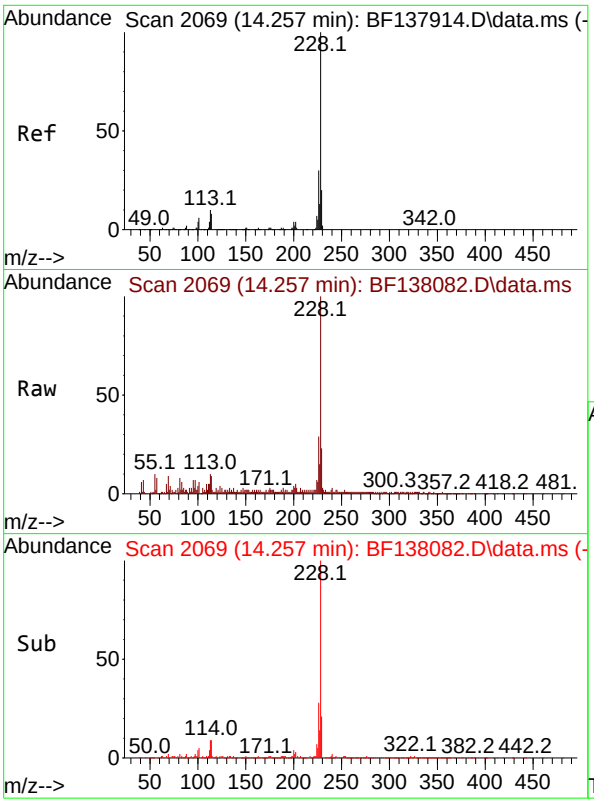


#81
Benzo(a)anthracene
Concen: 9.643 ng
RT: 14.221 min Scan# 2063
Delta R.T. 0.006 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Tgt Ion:228 Resp: 92501

Ion	Ratio	Lower	Upper
228	100		
226	30.1	21.3	31.9
229	21.8	15.7	23.5



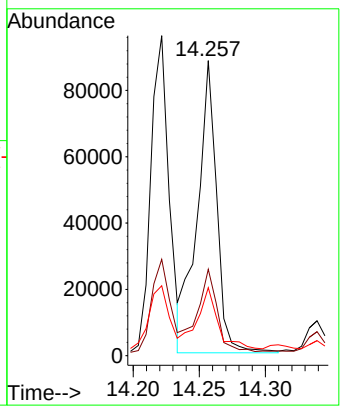


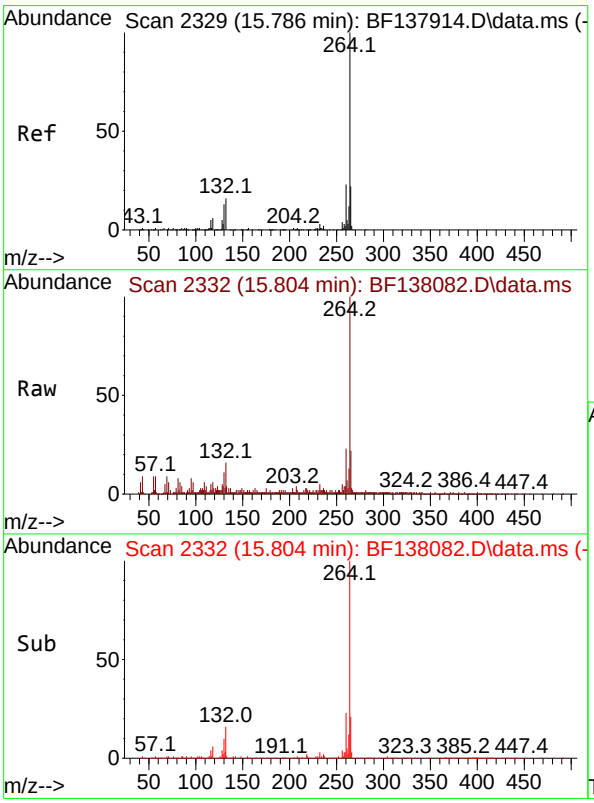
#83
Chrysene
Concen: 9.926 ng m
RT: 14.257 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Instrument :
BNA_F
ClientSampleId :
EO-02-052924

Tgt Ion:228 Resp: 91068

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.8	35.8
229	23.0	15.6	23.4

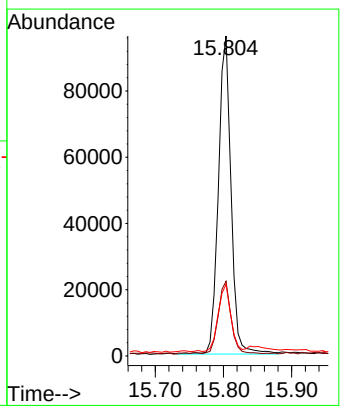


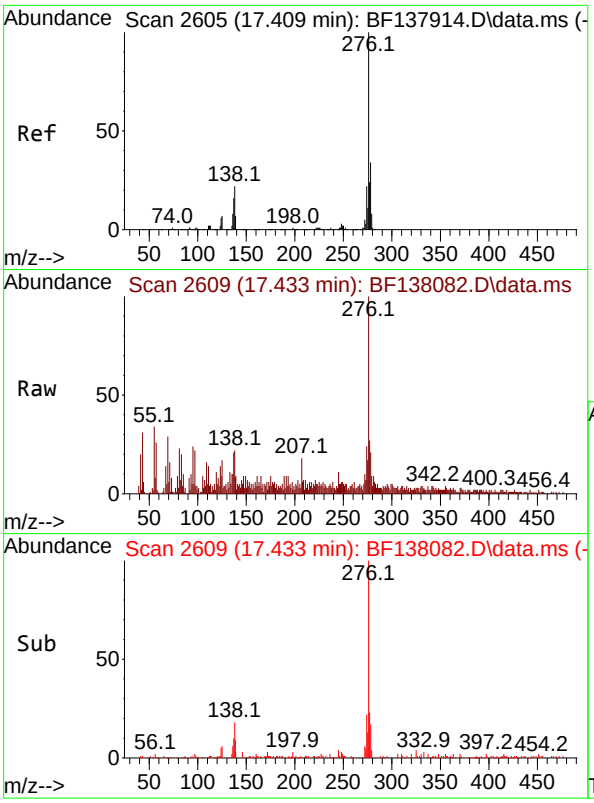


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.804 min Scan# 2332
Delta R.T. 0.018 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Tgt Ion:264 Resp: 124179

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.3	27.5
265	22.4	17.6	26.4



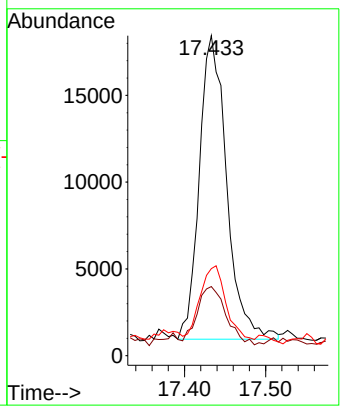


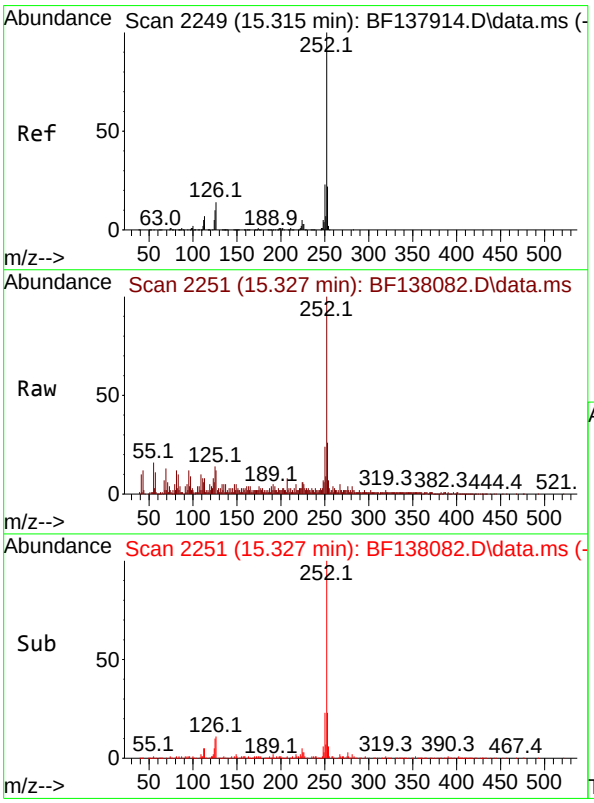
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.125 ng
RT: 17.433 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Instrument :
BNA_F
ClientSampleId :
EO-02-052924

Tgt Ion:276 Resp: 40884

Ion	Ratio	Lower	Upper
276	100		
138	19.5	20.6	30.8#
277	23.3	20.2	30.2

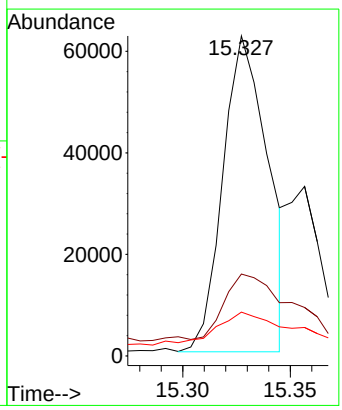


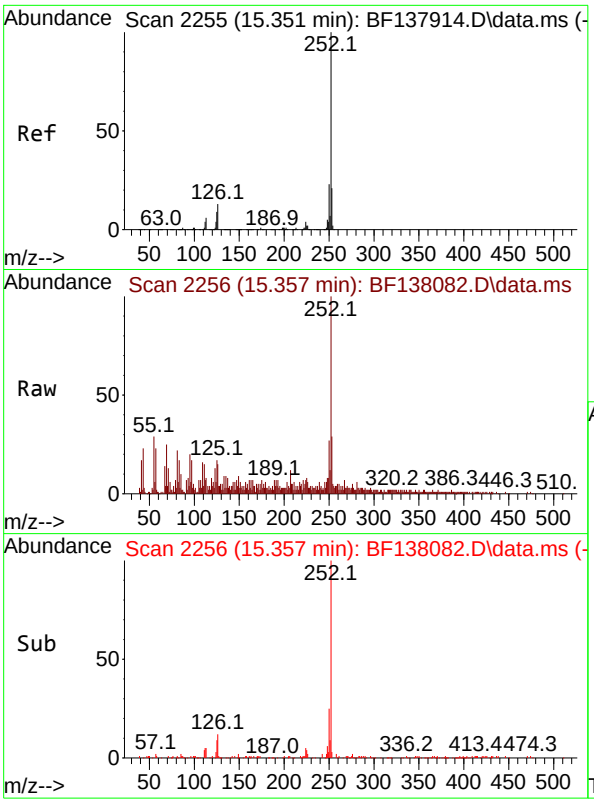


#88
Benzo(b)fluoranthene
Concen: 12.639 ng m
RT: 15.327 min Scan# 2251
Delta R.T. 0.012 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Tgt Ion:252 Resp: 90877

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.6	26.4
125	13.7	8.2	12.4#



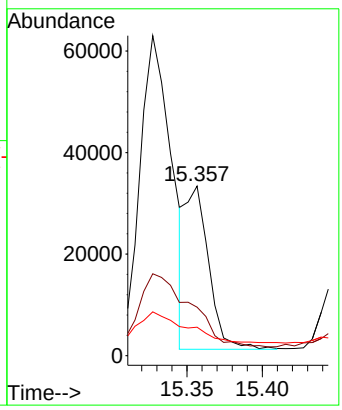


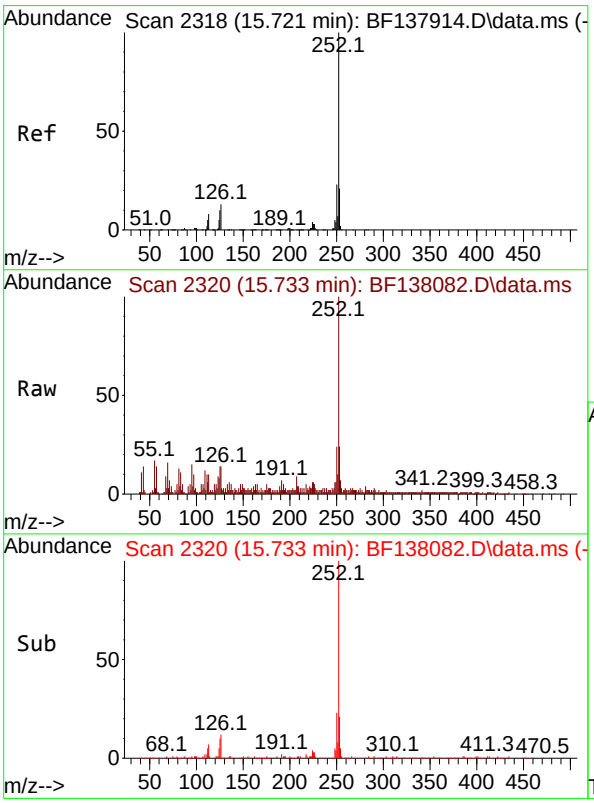
#89
Benzo(k)fluoranthene
Concen: 4.857 ng m
RT: 15.357 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Instrument :
BNA_F
ClientSampleId :
EO-02-052924

Tgt Ion:252 Resp: 34306

Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.4	26.0#
125	16.8	7.7	11.5#

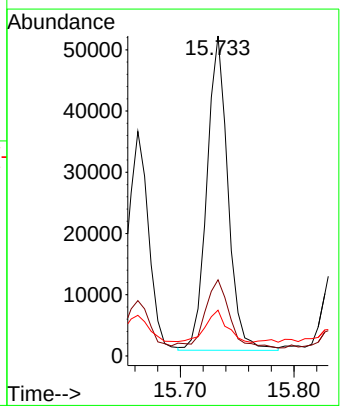


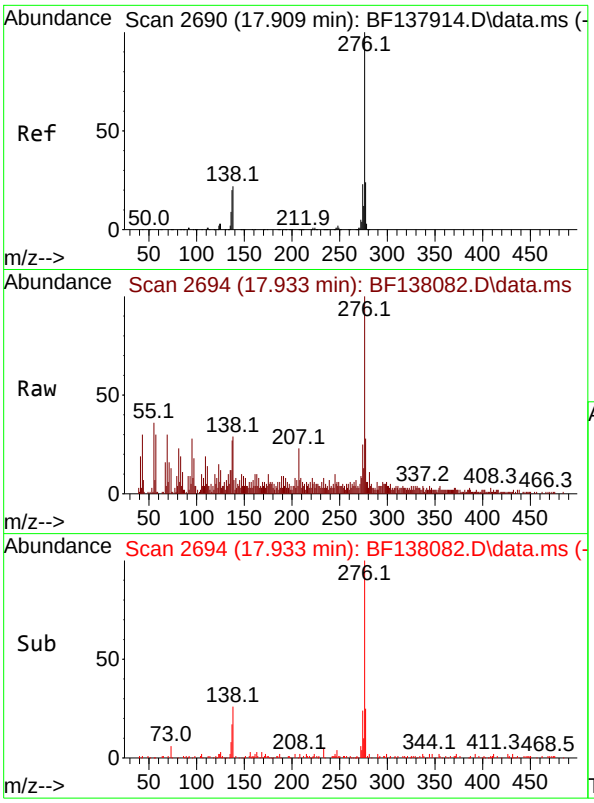


#90
Benzo(a)pyrene
Concen: 10.750 ng
RT: 15.733 min Scan# 2320
Delta R.T. 0.012 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Tgt Ion:252 Resp: 66003

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	14.3	7.8	11.8#





#92
Benzo(g,h,i)perylene
Concen: 5.643 ng
RT: 17.933 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF138082.D
Acq: 30 May 2024 18:19

Instrument :
BNA_F
ClientSampleId :
EO-02-052924

Tgt Ion:276 Resp: 39074

Ion	Ratio	Lower	Upper
276	100		
277	27.6	18.9	28.3
138	29.0	17.6	26.4#