Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030524\
Data File : BF137508.D
Acq On : 05 Mar 2024 19:06
Operator : CG\JU
Sample : P1672-09 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-5

Quant Time: Mar 06 00:16:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 06 00:07:28 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.845	152	146128	20.000	ng		-0.02
21) Naphthalene-d8	8.122	136	576519	20.000	ng		-0.01
39) Acenaphthene-d10	9.880	164	299912	20.000	ng		-0.01
64) Phenanthrene-d10	11.374	188	439475	20.000	ng		-0.01
76) Chrysene-d12	14.039	240	338970	20.000	ng		-0.01
86) Perylene-d12	15.562	264	281159	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	120847	12.525	ng		-0.02
7) Phenol-d6	6.486	99	168364	12.089	ng		-0.02
23) Nitrobenzene-d5	7.410	82	86846	6.999	ng		-0.02
42) 2,4,6-Tribromophenol	10.674	330	22149	8.410	ng		-0.02
45) 2-Fluorobiphenyl	9.198	172	201326	10.508	ng		-0.02
79) Terphenyl-d14	12.974	244	171478	6.956	ng		-0.02
Target Compounds							Qvalue
37) 2-Methylnaphthalene	8.839	142	64849	3.289	ng		97
38) 1-Methylnaphthalene	8.933	142	62043	3.341	ng		97
52) Acenaphthene	9.910	154	91938	5.750	ng		96
55) Dibenzofuran	10.086	168	77805	3.195	ng	#	95
58) Fluorene	10.433	166	172145	9.204	ng		100
71) Phenanthrene	11.398	178	1175203	49.136	ng		99
72) Anthracene	11.451	178	374753	15.256	ng		99
73) Carbazole	11.616	167	72282	3.435	ng		99
75) Fluoranthene	12.598	202	1218871	52.137	ng		99
78) Pyrene	12.827	202	1314891	39.533	ng		99
81) Benzo(a)anthracene	14.027	228	614795	25.877	ng		99
83) Chrysene	14.062	228	539602	22.472	ng		97
87) Indeno(1,2,3-cd)pyrene	17.145	276	138101m	7.464	ng		
88) Benzo(b)fluoranthene	15.115	252	500458m	30.091	ng		
89) Benzo(k)fluoranthene	15.139	252	163198m	9.136	ng		
90) Benzo(a)pyrene	15.498	252	366727	22.376	ng		98
91) Dibenzo(a,h)anthracene	17.162	278	32191	2.145	ng	#	74
92) Benzo(g,h,i)perylene	17.615	276	143954	9.339	ng		98

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

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Misc :
ALS Vial : 15 Sample Multiplier: 1

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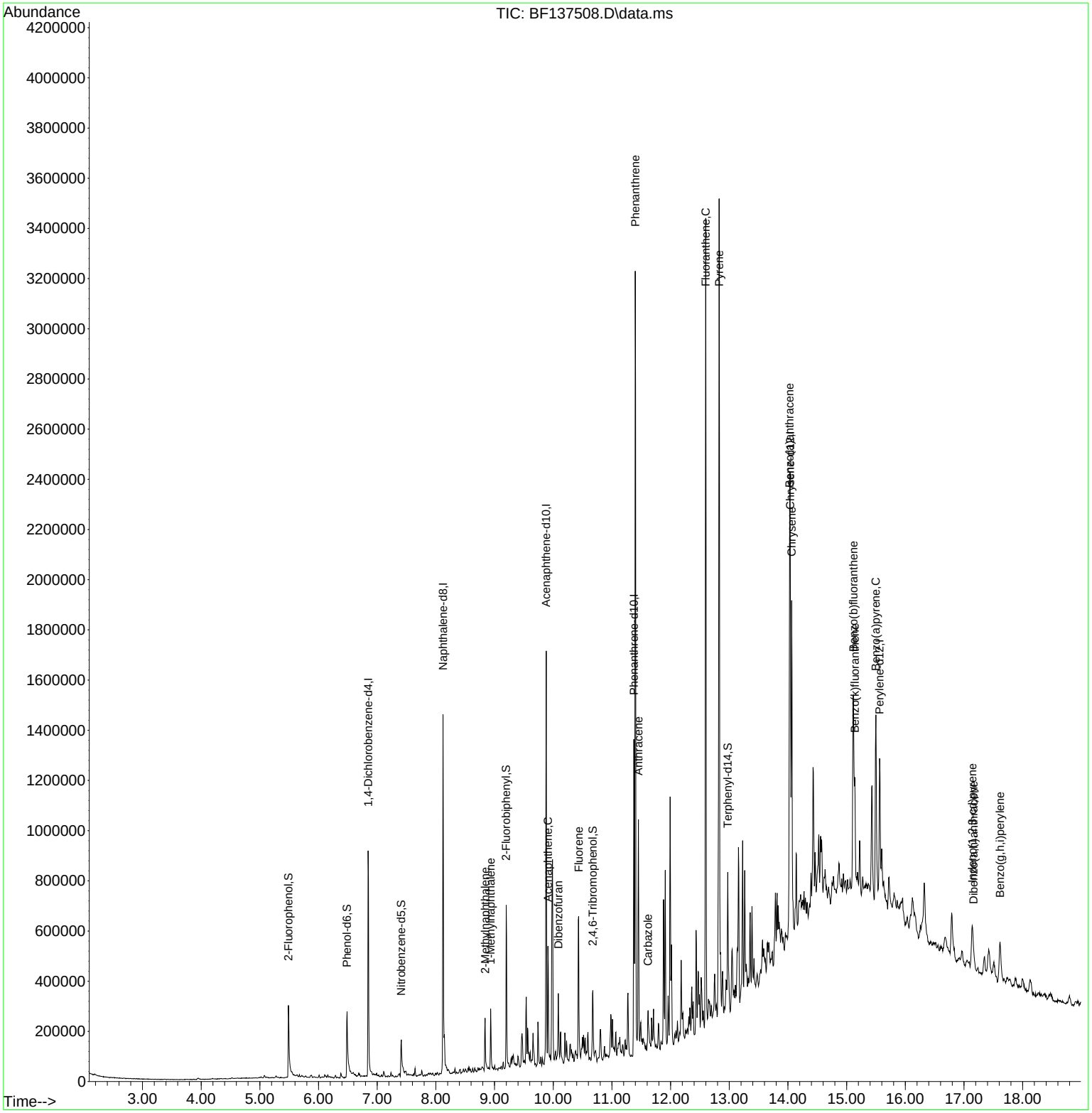
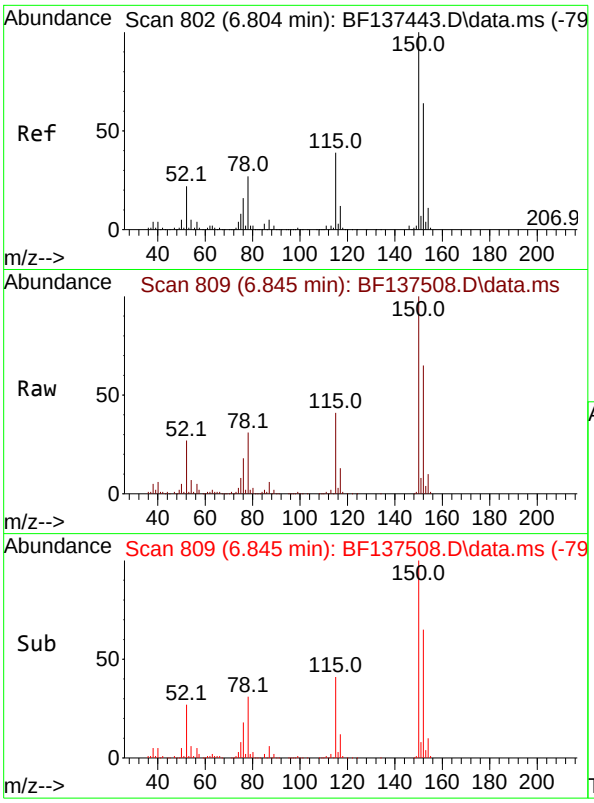
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 06 00:07:28 2024
Response via : Initial Calibration



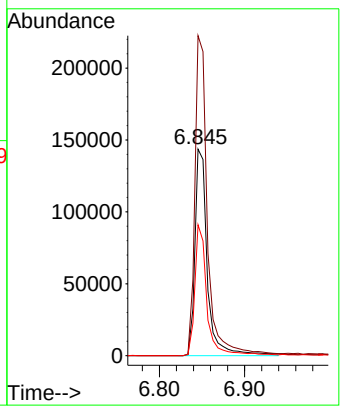


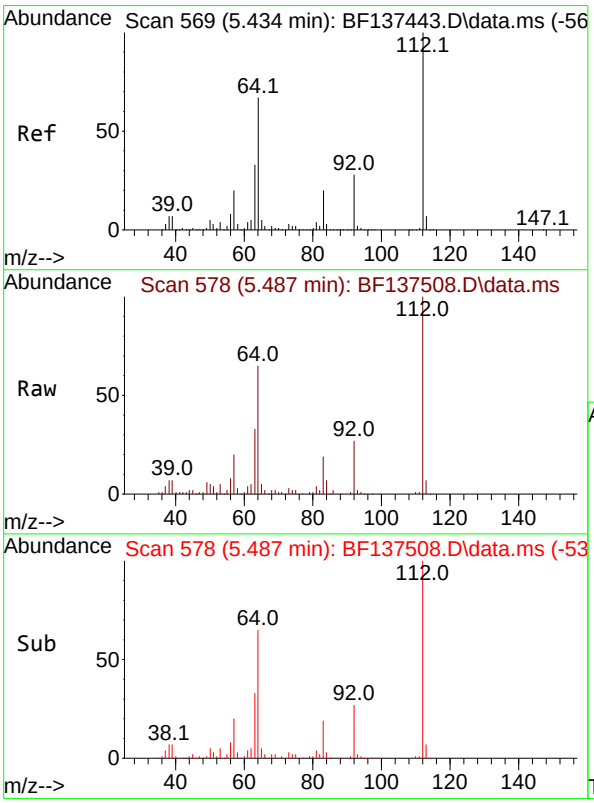
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:152 Resp: 146128

Ion	Ratio	Lower	Upper
152	100		
150	154.9	125.8	188.6
115	63.3	48.8	73.2

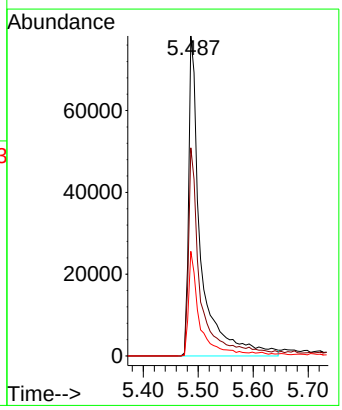


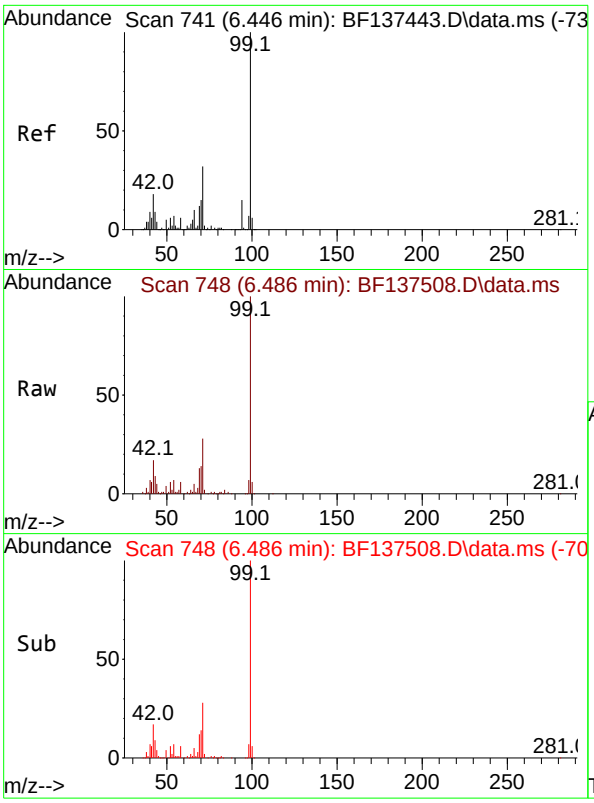


#5
2-Fluorophenol
Concen: 12.525 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.024 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:112 Resp: 120847

Ion	Ratio	Lower	Upper
112	100		
64	65.1	53.4	80.2
63	32.7	26.2	39.2



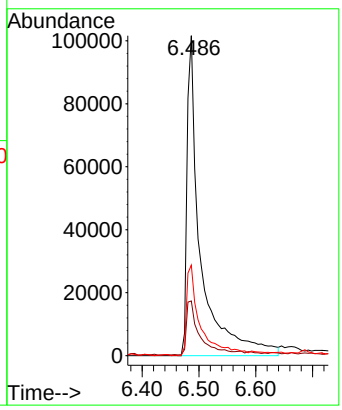


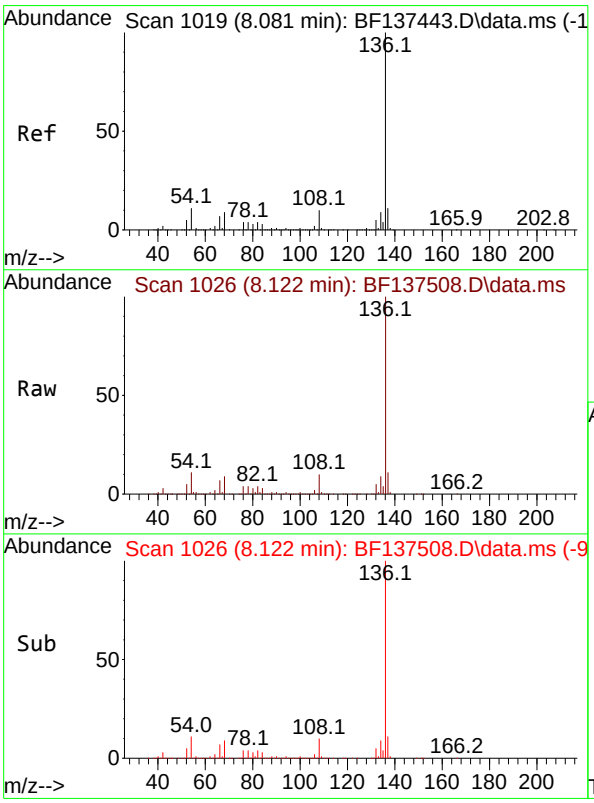
#7
Phenol-d6
Concen: 12.089 ng
RT: 6.486 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 99 Resp: 168364

Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.6	21.8
71	28.3	25.3	37.9

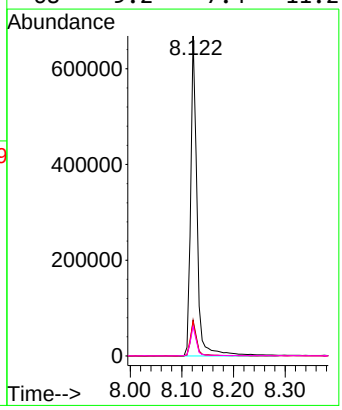


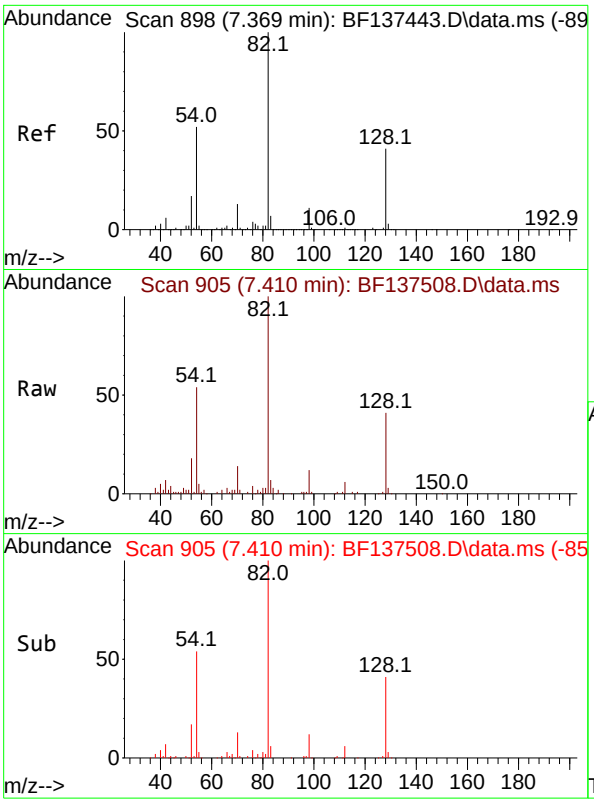


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:136 Resp: 576519

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	10.6	8.5	12.7
68	9.2	7.4	11.2



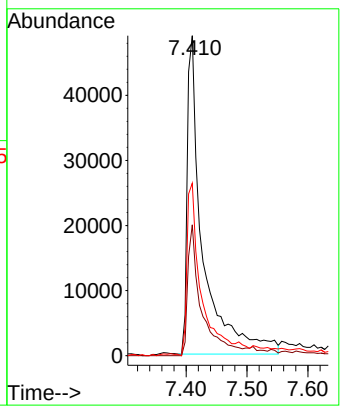


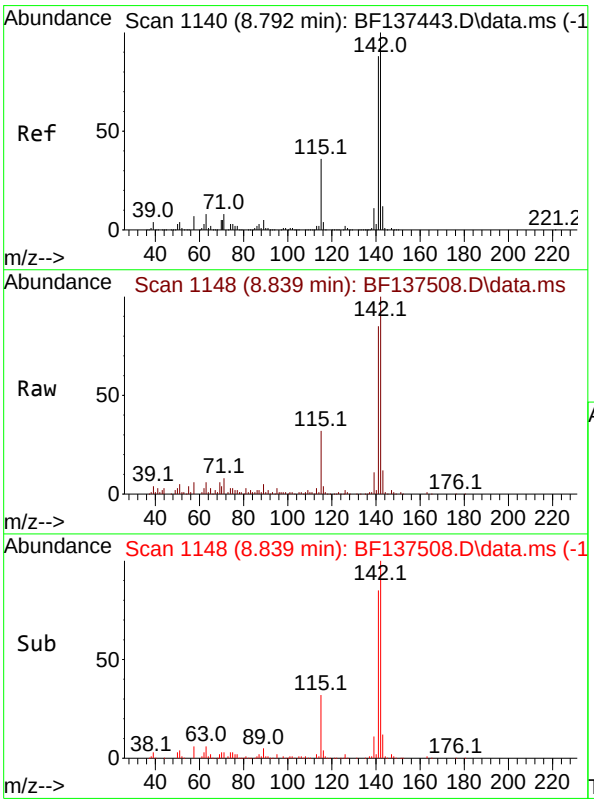
#23
Nitrobenzene-d5
Concen: 6.999 ng
RT: 7.410 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 82 Resp: 86846

Ion	Ratio	Lower	Upper
82	100		
128	40.9	32.5	48.7
54	53.9	41.5	62.3

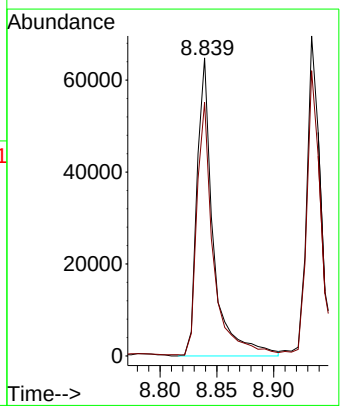


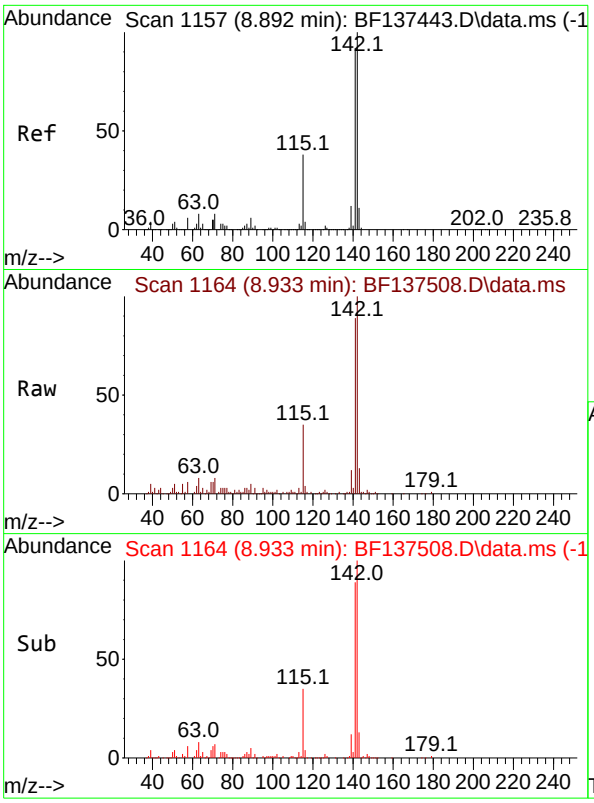


#37
2-Methylnaphthalene
Concen: 3.289 ng
RT: 8.839 min Scan# 1148
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:142 Resp: 64849

Ion	Ratio	Lower	Upper
142	100		
141	85.1	70.4	105.6



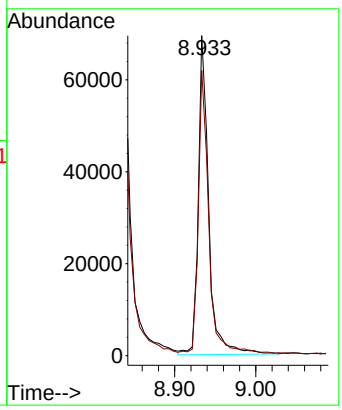


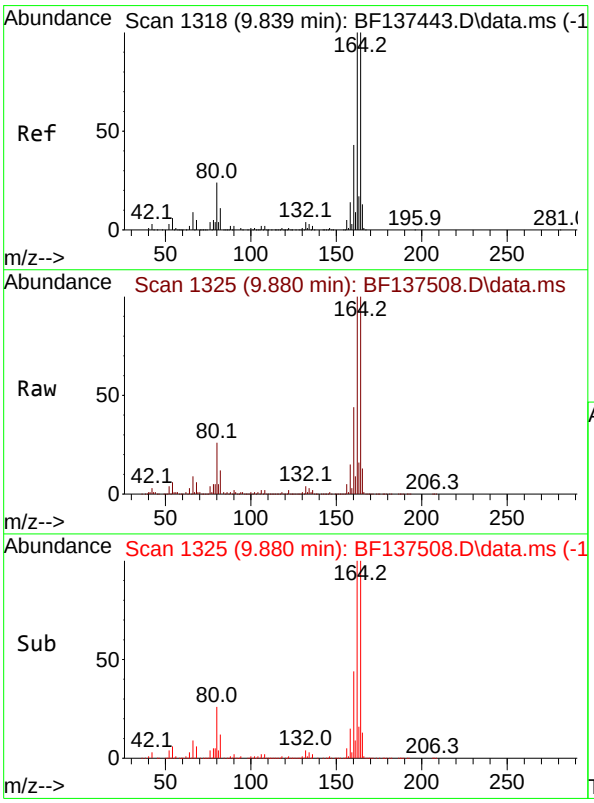
#38
1-Methylnaphthalene
Concen: 3.341 ng
RT: 8.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:142 Resp: 62043

Ion	Ratio	Lower	Upper
142	100		
141	89.1	73.4	110.2

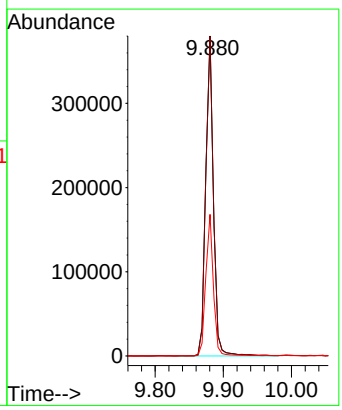


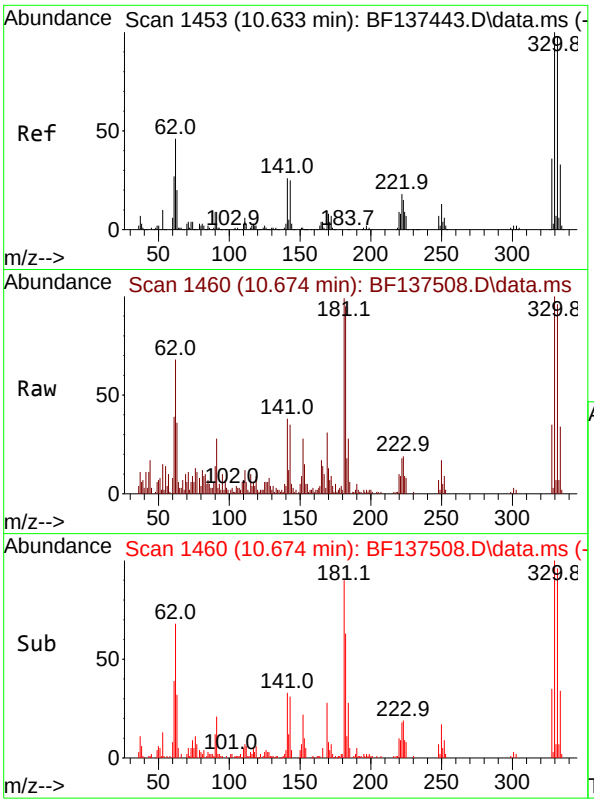


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:164 Resp: 299912

Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.8	119.8
160	44.2	34.4	51.6



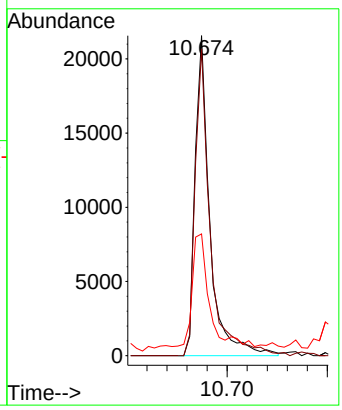


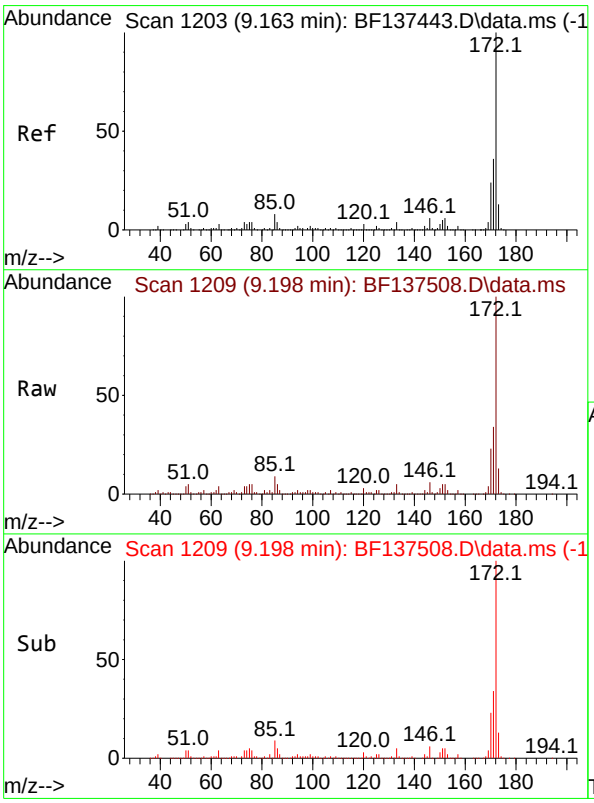
#42
2,4,6-Tribromophenol
Concen: 8.410 ng
RT: 10.674 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:330 Resp: 22149

Ion	Ratio	Lower	Upper
330	100		
332	98.0	78.0	117.0
141	50.0	27.3	40.9#

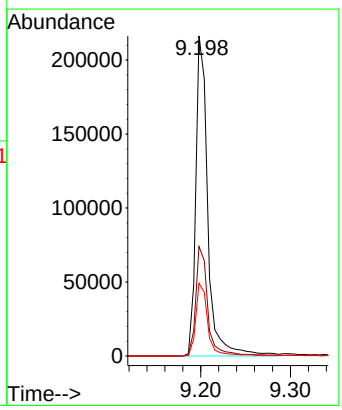


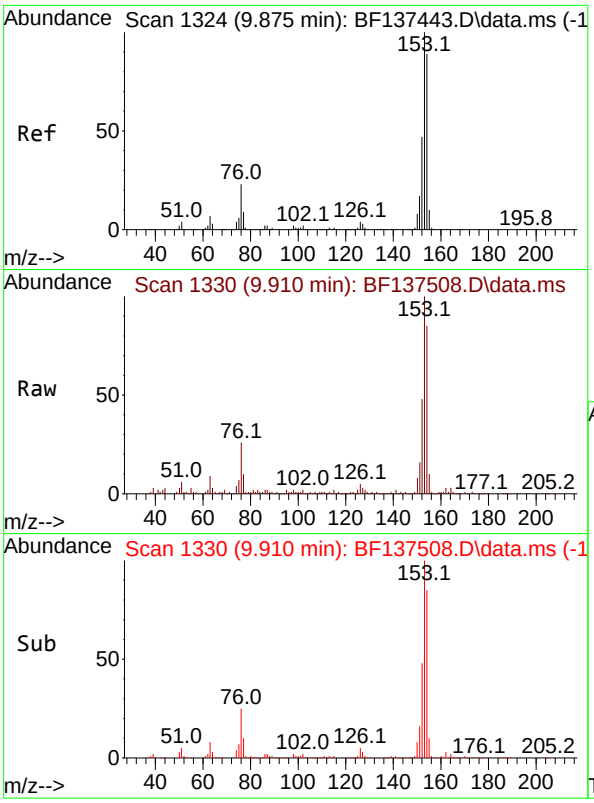


#45
2-Fluorobiphenyl
Concen: 10.508 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.018 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:172 Resp: 201326

Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.5	42.7
170	22.7	19.0	28.6



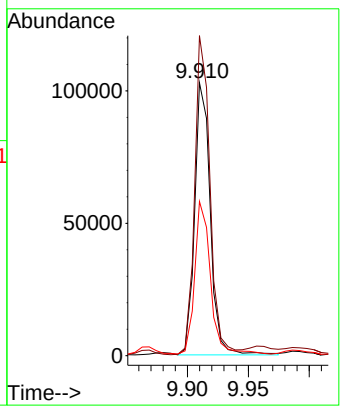


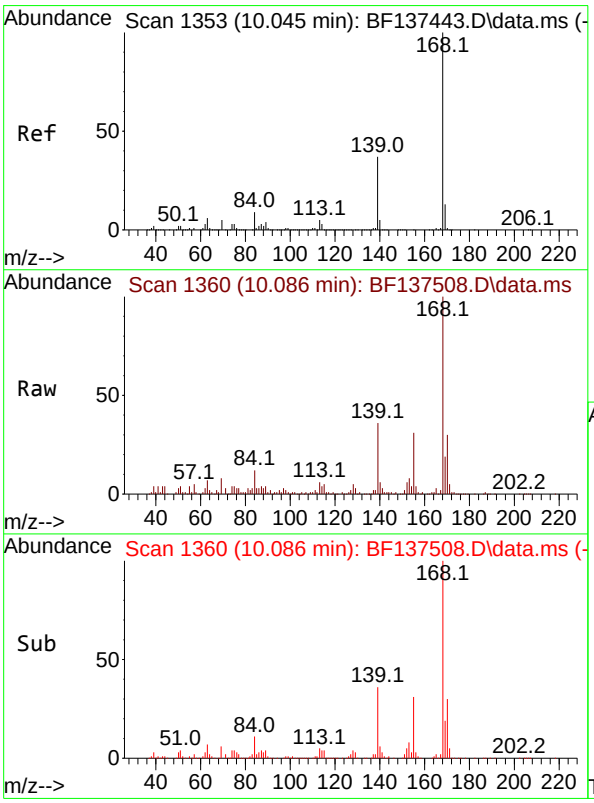
#52
Acenaphthene
Concen: 5.750 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:154 Resp: 91938

Ion	Ratio	Lower	Upper
154	100		
153	117.3	90.3	135.5
152	56.6	42.7	64.1

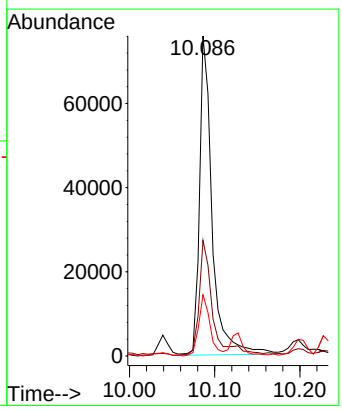


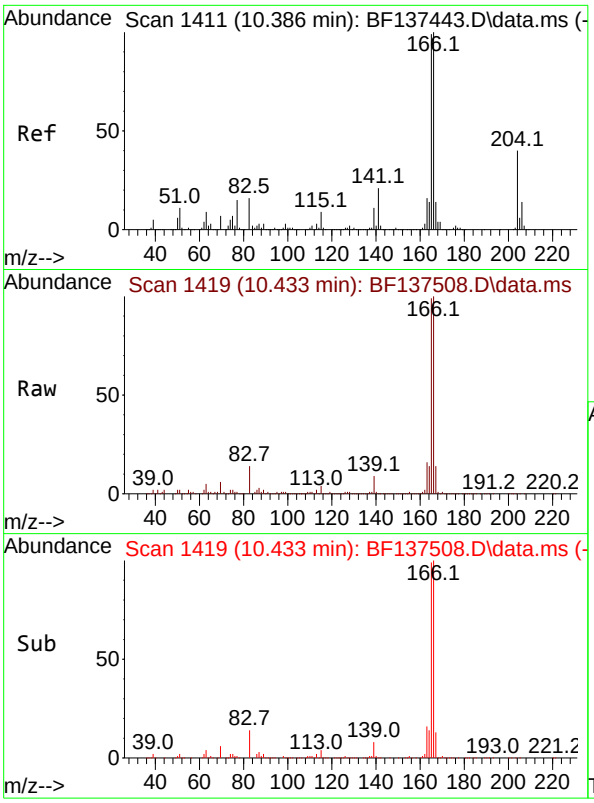


#55
Dibenzofuran
Concen: 3.195 ng
RT: 10.086 min Scan# 1360
Delta R.T. -0.018 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:168 Resp: 77805

Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.8	44.6
169	19.1	10.8	16.2#



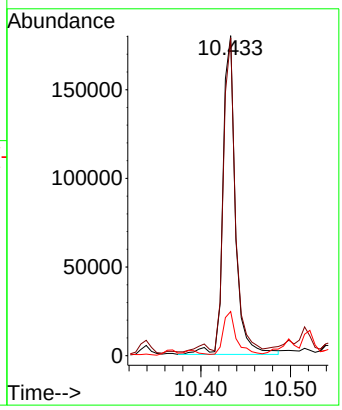


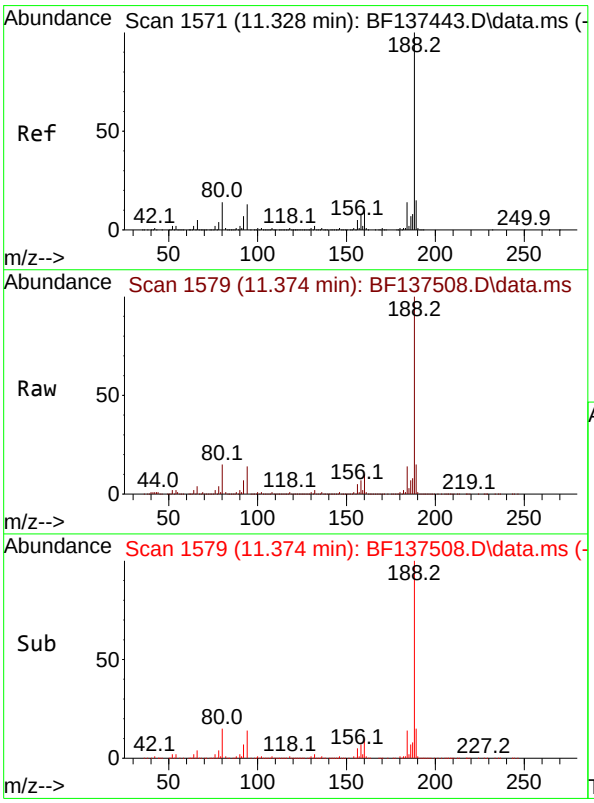
#58
Fluorene
Concen: 9.204 ng
RT: 10.433 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:166 Resp: 172145

Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.2	118.8
167	13.8	11.0	16.6

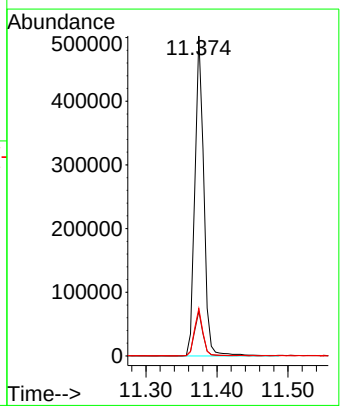


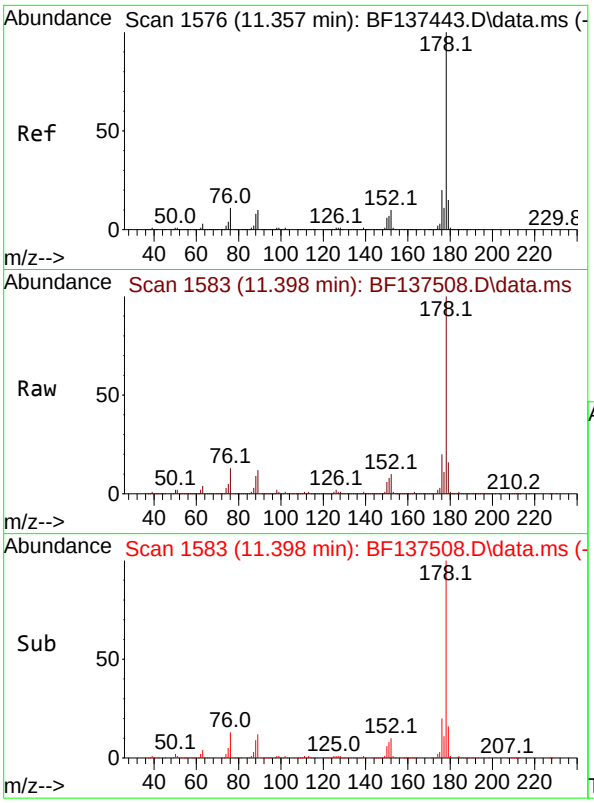


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:188 Resp: 439475

Ion	Ratio	Lower	Upper
188	100		
94	13.9	10.6	15.8
80	14.9	11.5	17.3



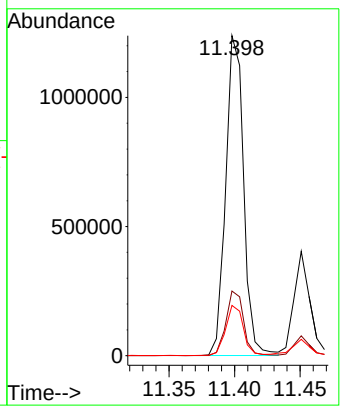


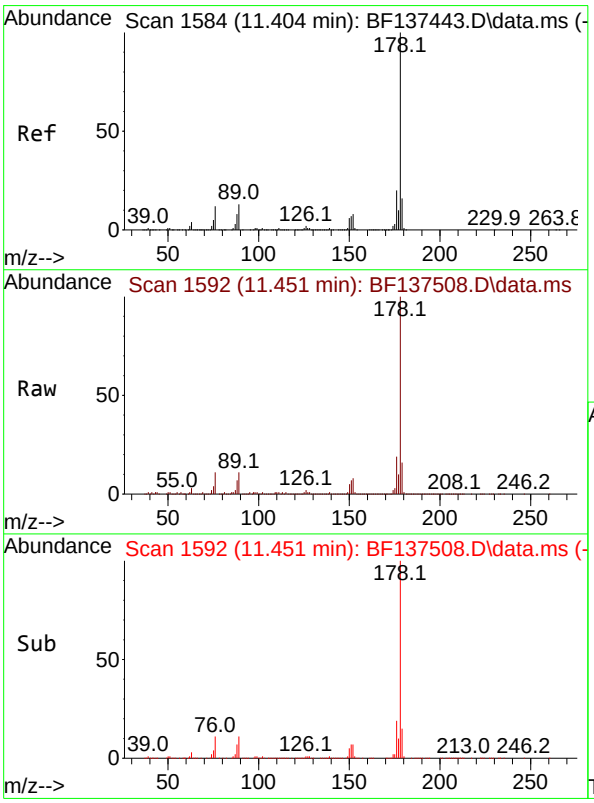
#71
Phenanthrene
Concen: 49.136 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:178 Resp: 1175203

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	15.7	12.2	18.2

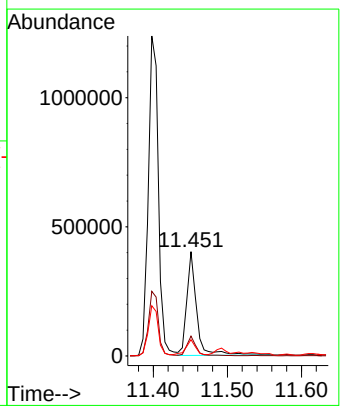


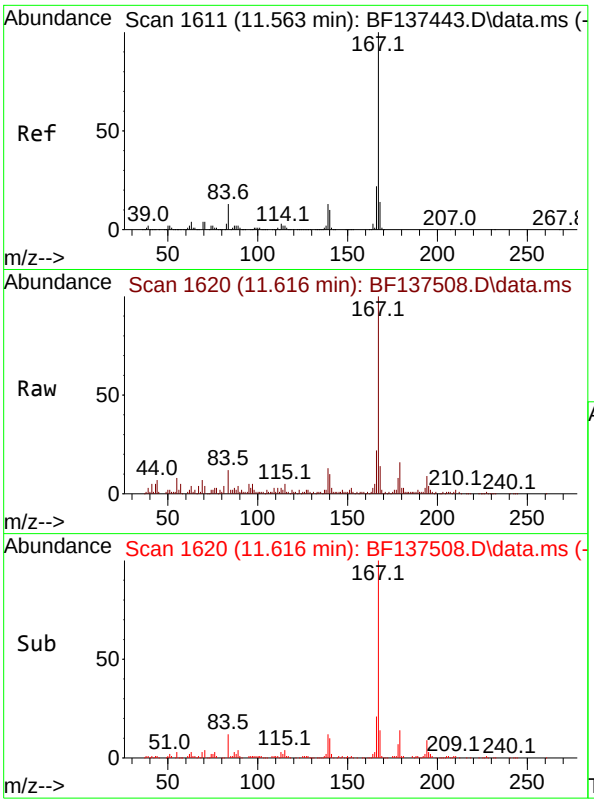


#72
Anthracene
Concen: 15.256 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.018 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:178 Resp: 374753

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.7	23.5
179	15.6	12.7	19.1



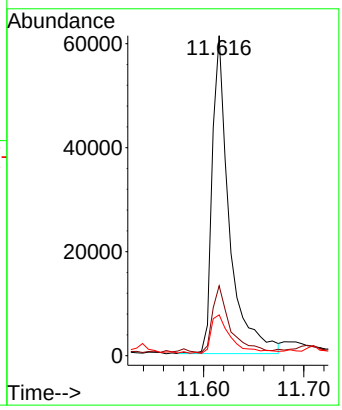


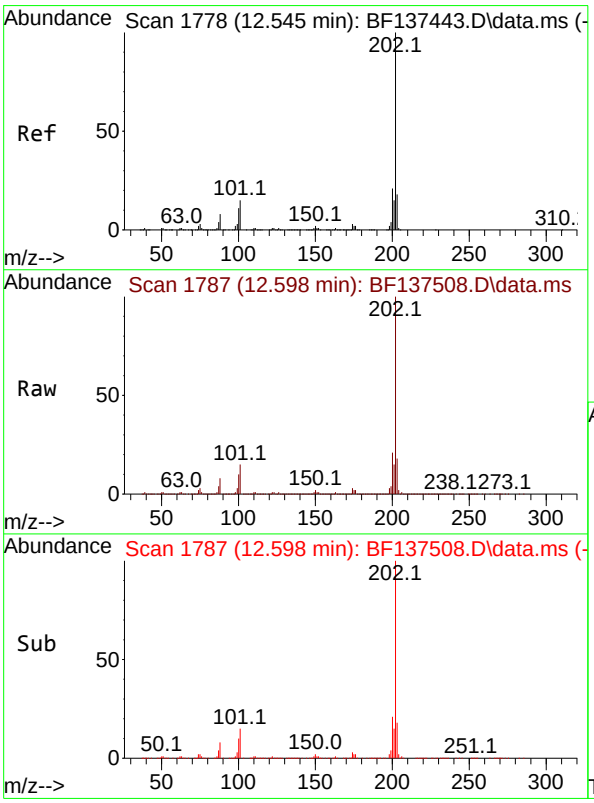
#73
Carbazole
Concen: 3.435 ng
RT: 11.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:167 Resp: 72282

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.8
139	12.7	10.5	15.7

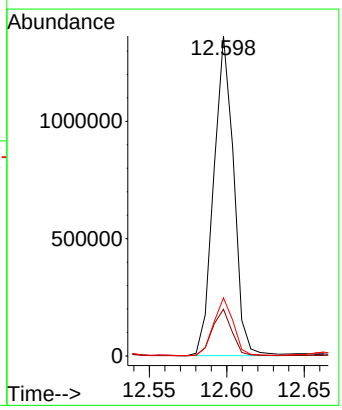


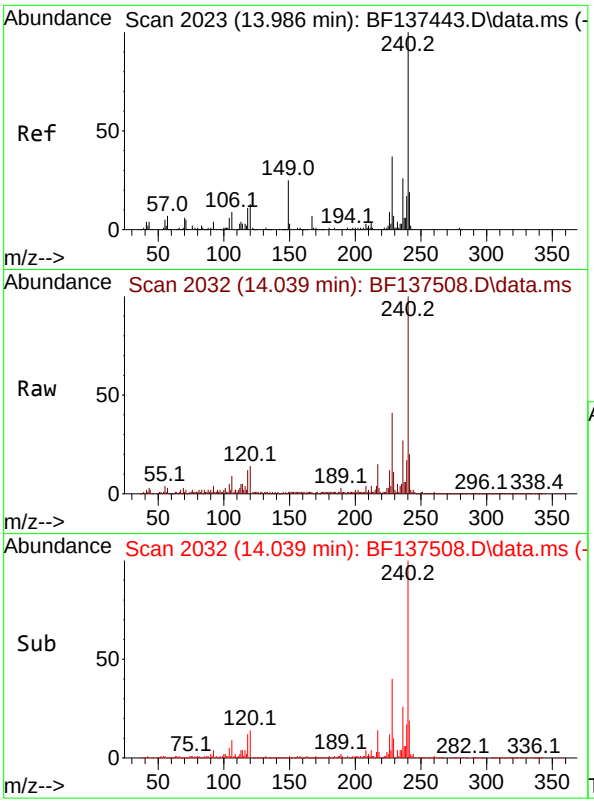


#75
Fluoranthene
Concen: 52.137 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:202 Resp: 1218871

Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	35.0
203	18.2	0.0	37.7



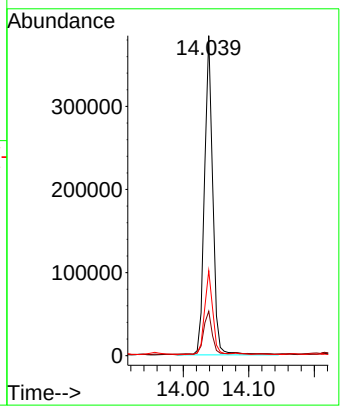


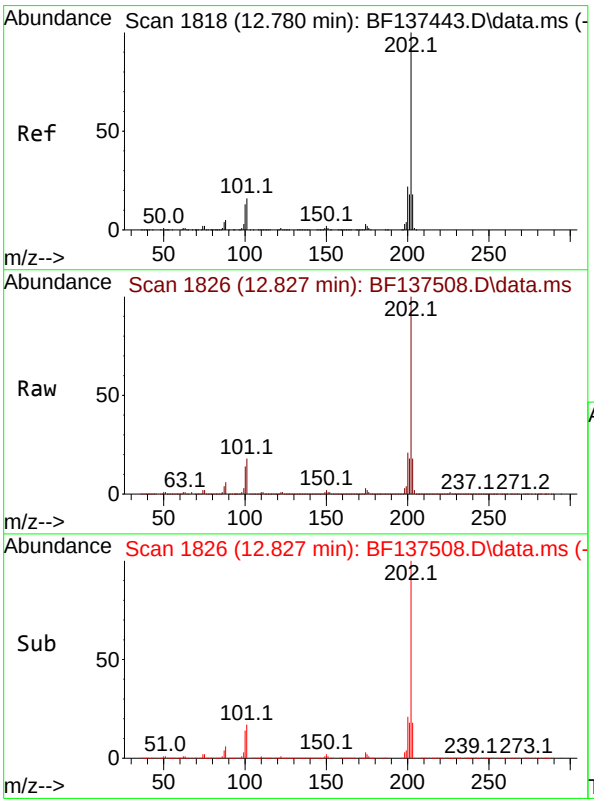
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:240 Resp: 338970

Ion	Ratio	Lower	Upper
240	100		
120	13.9	10.4	15.6
236	26.6	20.9	31.3

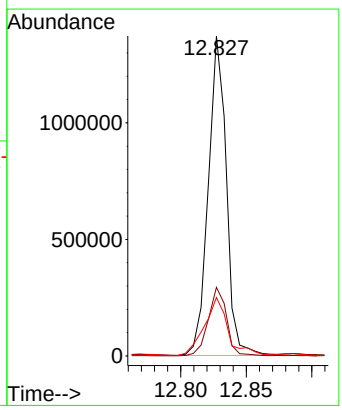


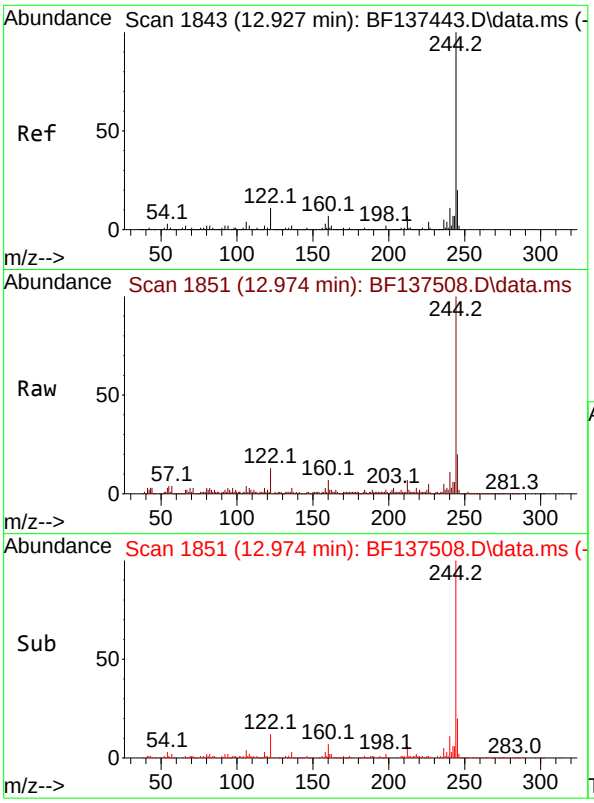


#78
Pyrene
Concen: 39.533 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:202 Resp: 1314891

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.3	14.1	21.1



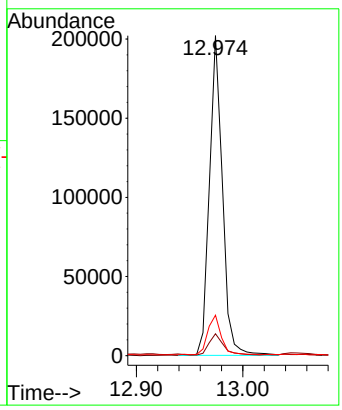


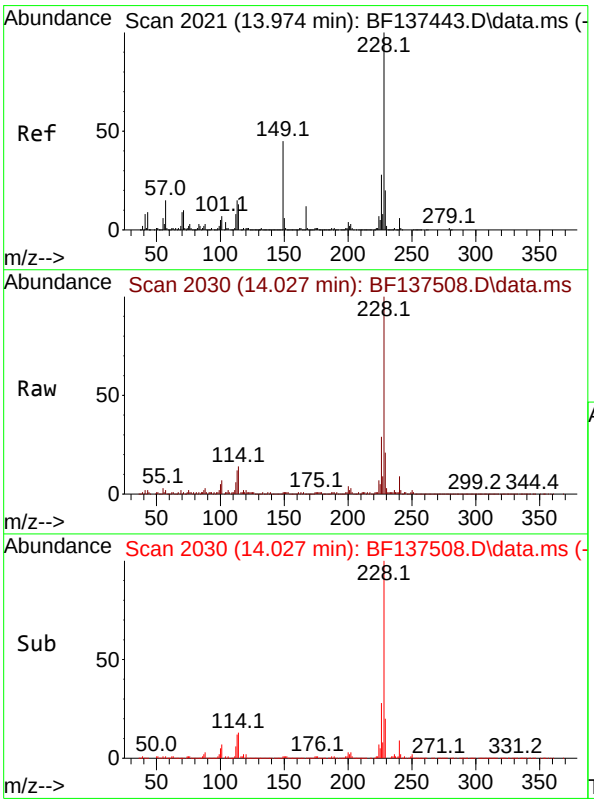
#79
Terphenyl-d14
Concen: 6.956 ng
RT: 12.974 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:244 Resp: 171478

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	12.6	9.1	13.7

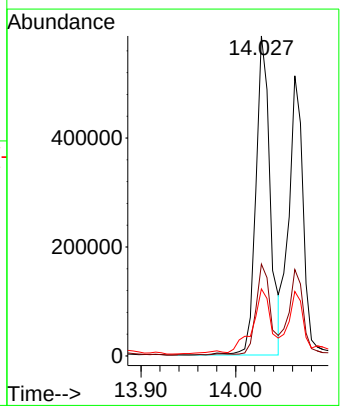


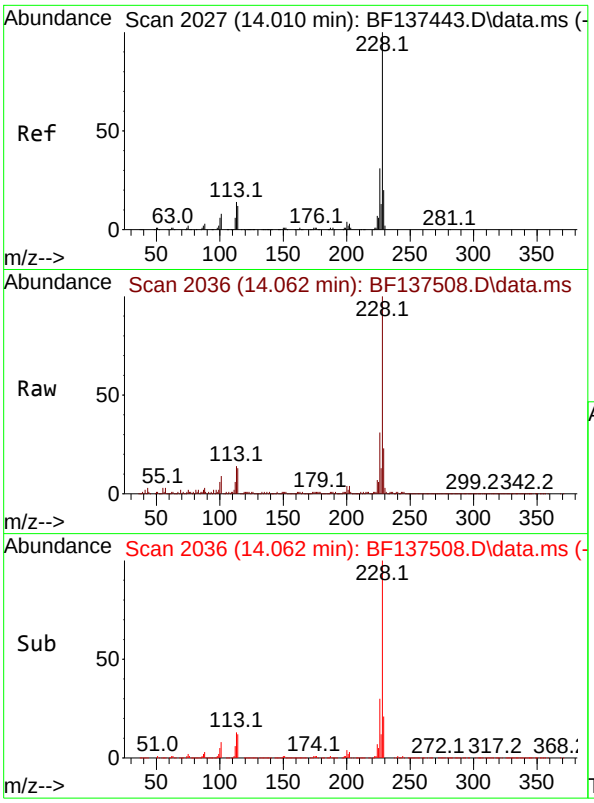


#81
Benzo(a)anthracene
Concen: 25.877 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:228 Resp: 614795

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.3	33.5
229	21.0	16.3	24.5



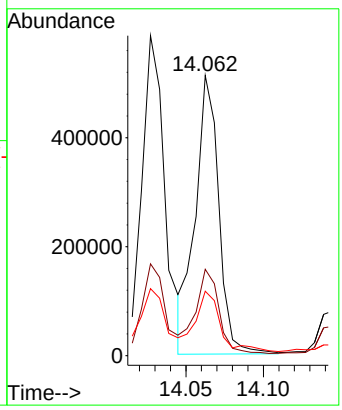


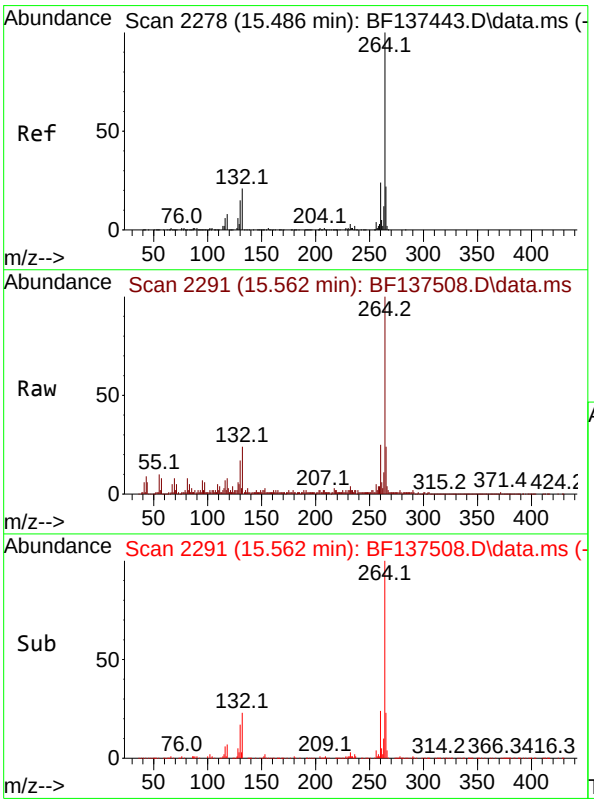
#83
Chrysene
Concen: 22.472 ng
RT: 14.062 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:228 Resp: 539602

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.7	37.1
229	23.0	15.9	23.9

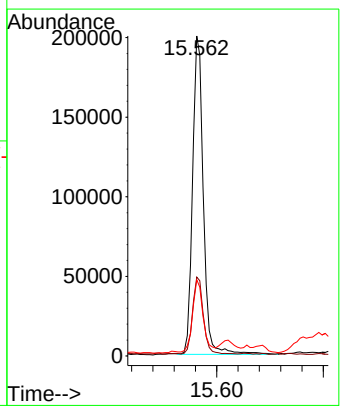


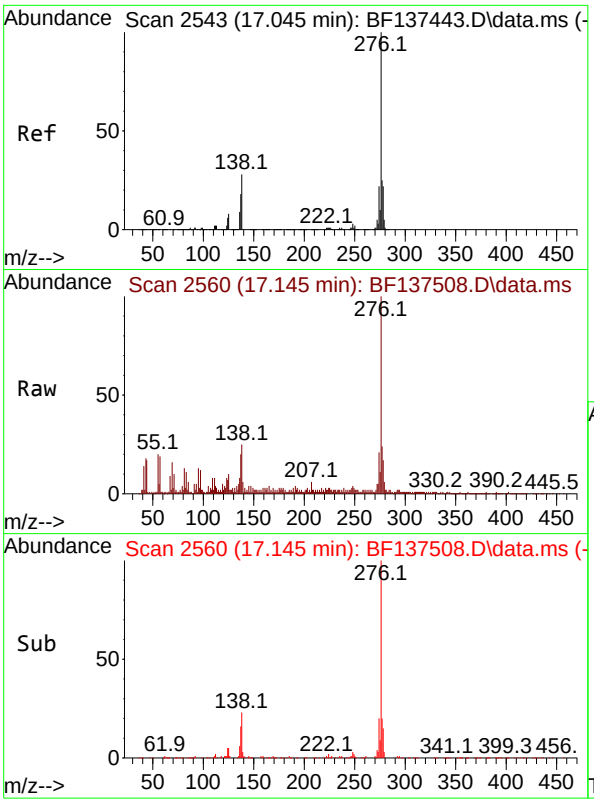


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:264 Resp: 281159

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.3	28.9
265	23.8	17.4	26.0



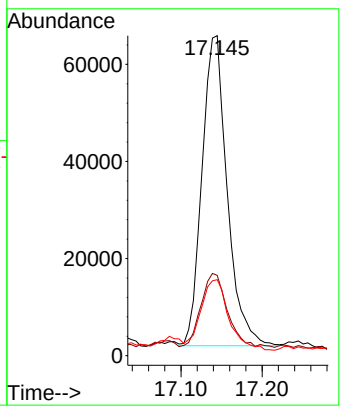


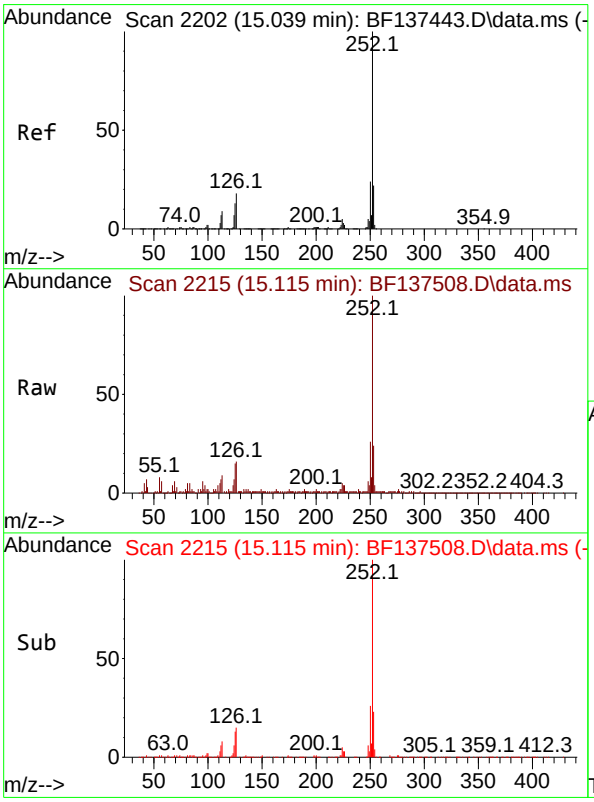
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.464 ng m
RT: 17.145 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:276 Resp: 138101

Ion	Ratio	Lower	Upper
276	100		
138	6.2	25.8	38.8#
277	4.4	20.2	30.2#

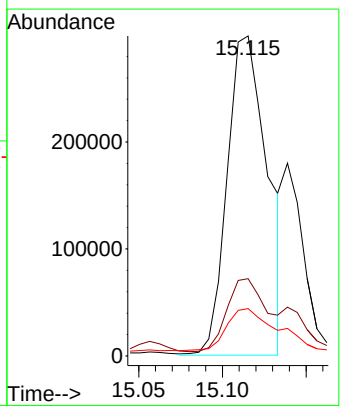


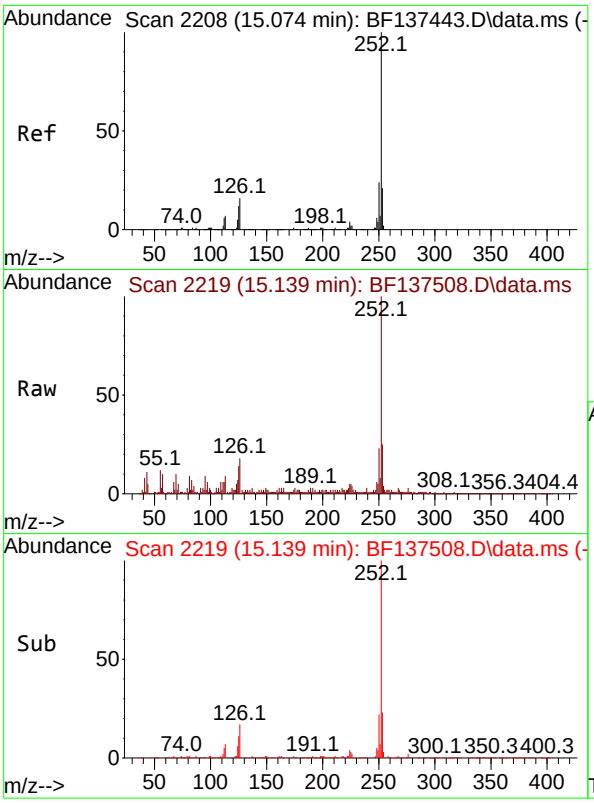


#88
Benzo(b)fluoranthene
Concen: 30.091 ng m
RT: 15.115 min Scan# 2215
Delta R.T. -0.000 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:252 Resp: 500458

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.8
125	14.8	10.1	15.1



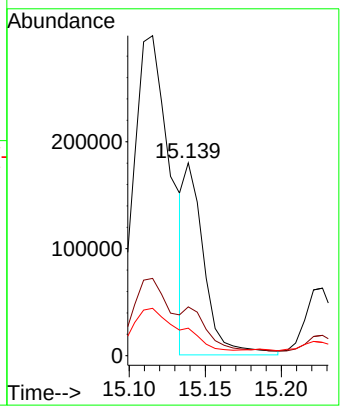


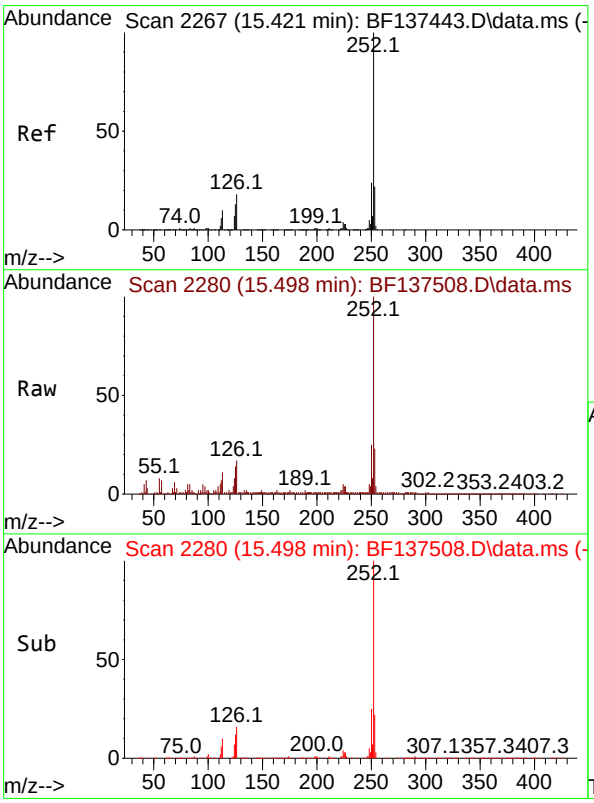
#89
Benzo(k)fluoranthene
Concen: 9.136 ng m
RT: 15.139 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:252 Resp: 163198

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.3	25.9
125	14.3	9.6	14.4

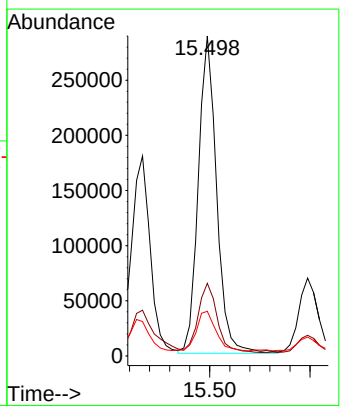


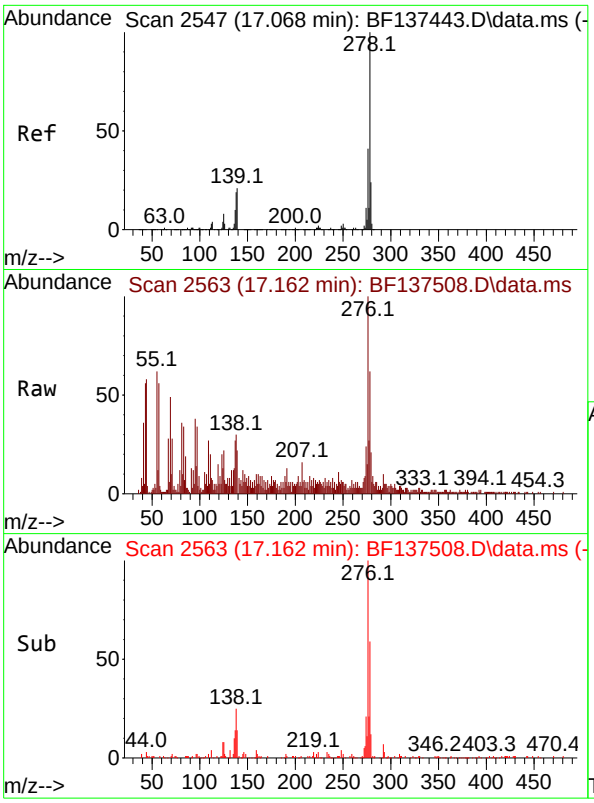


#90
Benzo(a)pyrene
Concen: 22.376 ng
RT: 15.498 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:252 Resp: 366727

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	14.0	10.4	15.6



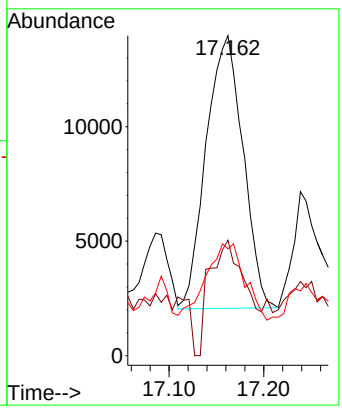


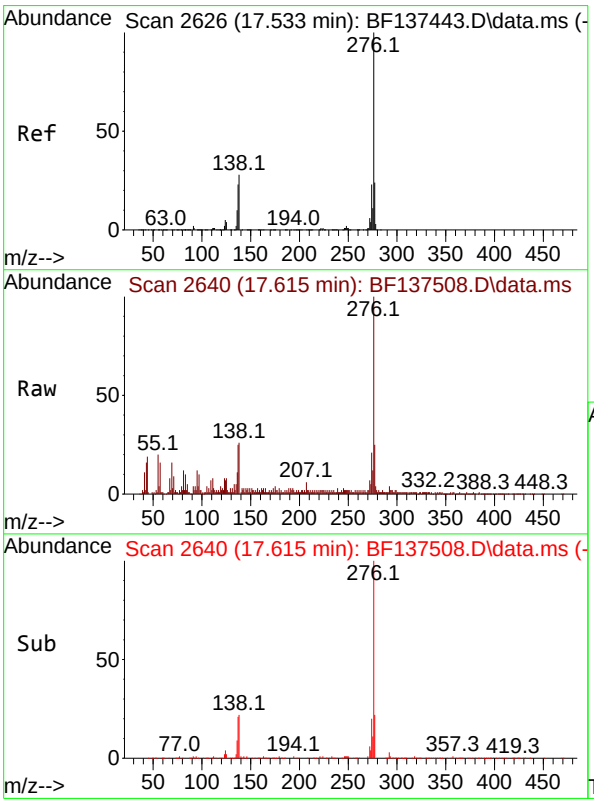
#91
Dibenzo(a,h)anthracene
Concen: 2.145 ng
RT: 17.162 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:278 Resp: 32191

Ion	Ratio	Lower	Upper
278	100		
139	36.1	17.0	25.6#
279	33.4	18.8	28.2#





#92
Benzo(g,h,i)perylene
Concen: 9.339 ng
RT: 17.615 min Scan# 2640
Delta R.T. -0.024 min
Lab File: BF137508.D
Acq: 05 Mar 2024 19:06

Tgt Ion:276 Resp: 143954

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.4
138	26.2	22.2	33.2