Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080224\
Data File : BF138749.D
Acq On : 02 Aug 2024 16:10
Operator : RC/JU
Sample : P3414-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

Quant Time: Aug 02 16:35:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration

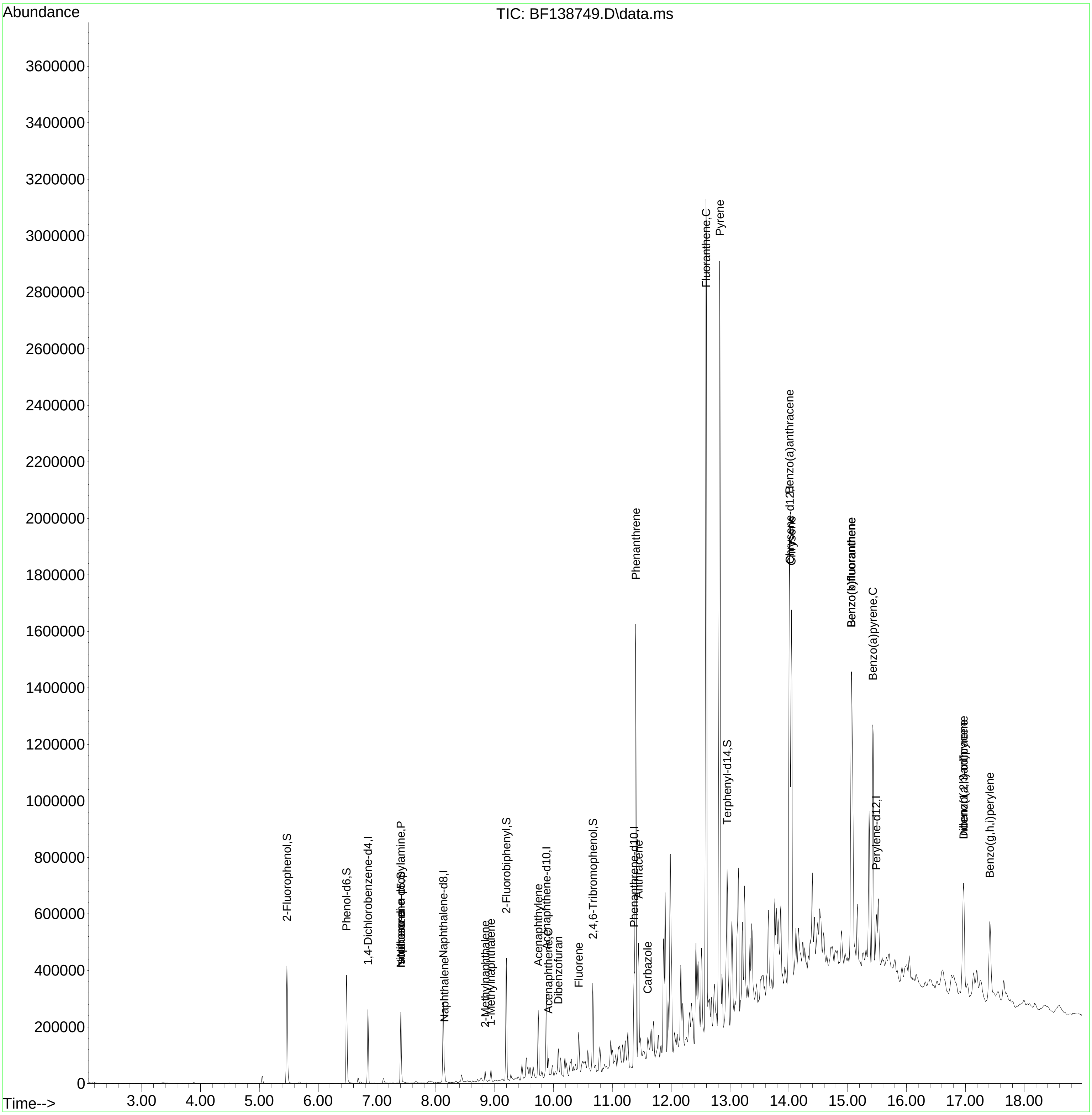
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	49455	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	164357	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	83404	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	166741	20.000	ng	0.00
76) Chrysene-d12	14.016	240	101772	20.000	ng	0.01
86) Perylene-d12	15.486	264	88042	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	144604	45.136	ng	0.00
7) Phenol-d6	6.481	99	169736	39.461	ng	0.00
23) Nitrobenzene-d5	7.404	82	103938	30.918	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	33343	48.805	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	176911	31.870	ng	0.00
79) Terphenyl-d14	12.951	244	236316	38.877	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	13992	5.386	ng	# 73
25) Isophorone	7.404	82	102571	17.869	ng	# 66
31) Naphthalene	8.145	128	25364	2.932	ng	98
37) 2-Methylnaphthalene	8.839	142	13353	2.444	ng	98
38) 1-Methylnaphthalene	8.934	142	13652	2.550	ng	96
49) Acenaphthylene	9.739	152	132379	19.213	ng	99
52) Acenaphthene	9.910	154	19000	4.102	ng	95
55) Dibenzofuran	10.081	168	25877	3.958	ng	# 91
58) Fluorene	10.428	166	57517	11.047	ng	# 95
71) Phenanthrene	11.398	178	843311	98.221	ng	99
72) Anthracene	11.445	178	232706	27.512	ng	100
73) Carbazole	11.598	167	30408	4.167	ng	95
75) Fluoranthene	12.592	202	1856427	231.608	ng	98
78) Pyrene	12.827	202	1721377	179.644	ng	98
81) Benzo(a)anthracene	14.010	228	863252	123.177	ng	95
83) Chrysene	14.045	228	628977	99.478	ng	96
87) Indeno(1,2,3-cd)pyrene	16.968	276	287779	45.611	ng	93
88) Benzo(b)fluoranthene	15.063	252	959475	175.801	ng	98
89) Benzo(k)fluoranthene	15.063	252	959475	203.046	ng	97
90) Benzo(a)pyrene	15.427	252	521045	113.499	ng	97
91) Dibenzo(a,h)anthracene	16.968	278	73633	14.217	ng	# 76
92) Benzo(g,h,i)perylene	17.415	276	258166	48.035	ng	99

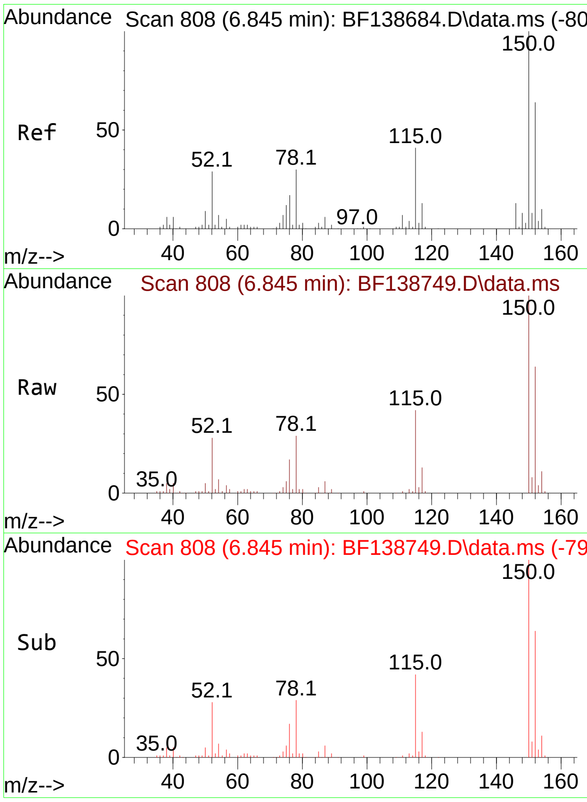
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080224\
Data File : BF138749.D
Acq On : 02 Aug 2024 16:10
Operator : RC/JU
Sample : P3414-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

Quant Time: Aug 02 16:35:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 30 17:50:01 2024
Response via : Initial Calibration



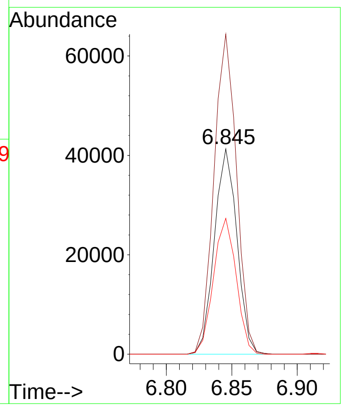


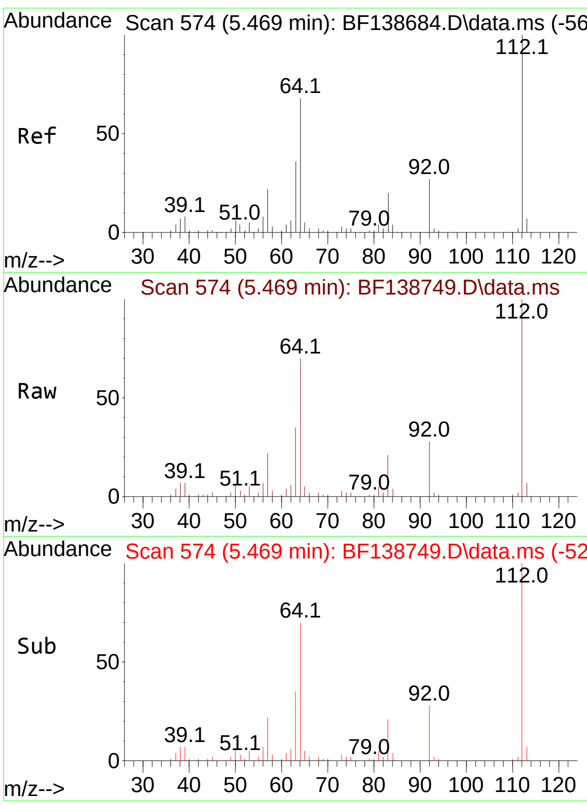
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

Tgt Ion:152 Resp: 49455

Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.0	189.0
115	66.2	51.7	77.5

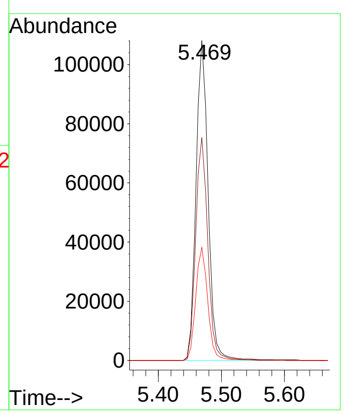


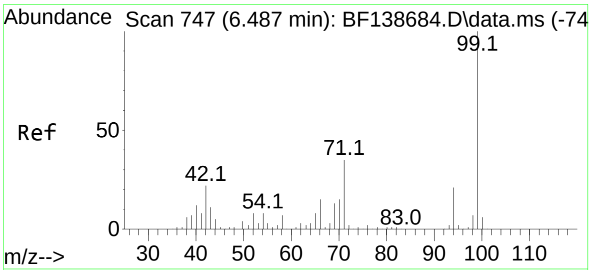


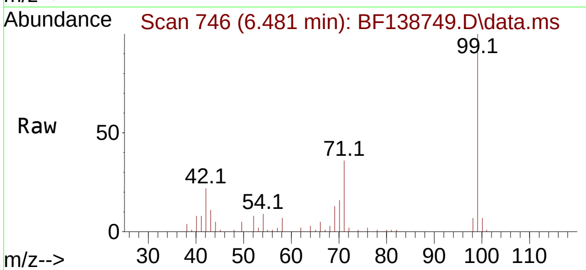
#5
2-Fluorophenol
Concen: 45.136 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

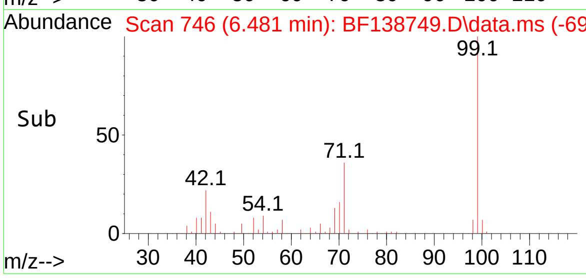
Tgt Ion:112 Resp: 144604

Ion	Ratio	Lower	Upper
112	100		
64	69.7	54.2	81.4
63	35.3	28.7	43.1







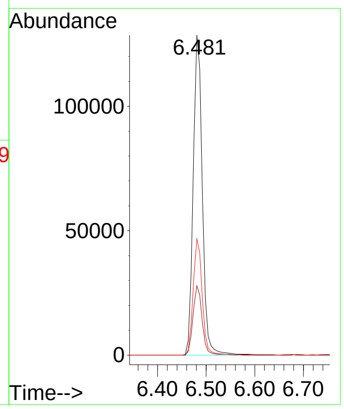


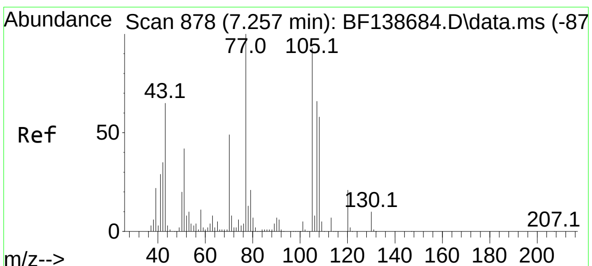
#7
Phenol-d6
Concen: 39.461 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

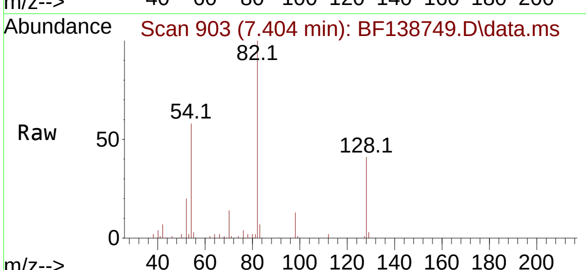
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

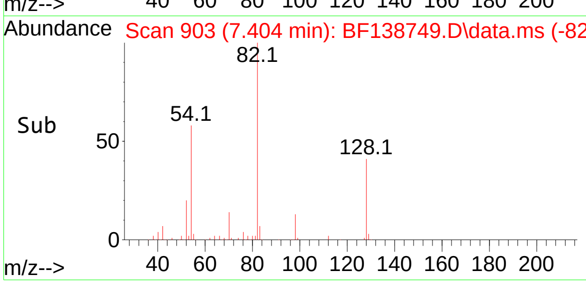
Tgt Ion: 99 Resp: 169736

Ion	Ratio	Lower	Upper
99	100		
42	21.7	17.4	26.0
71	36.4	28.1	42.1





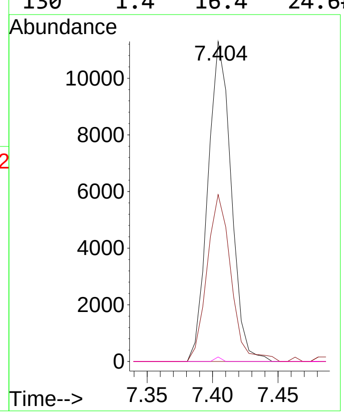


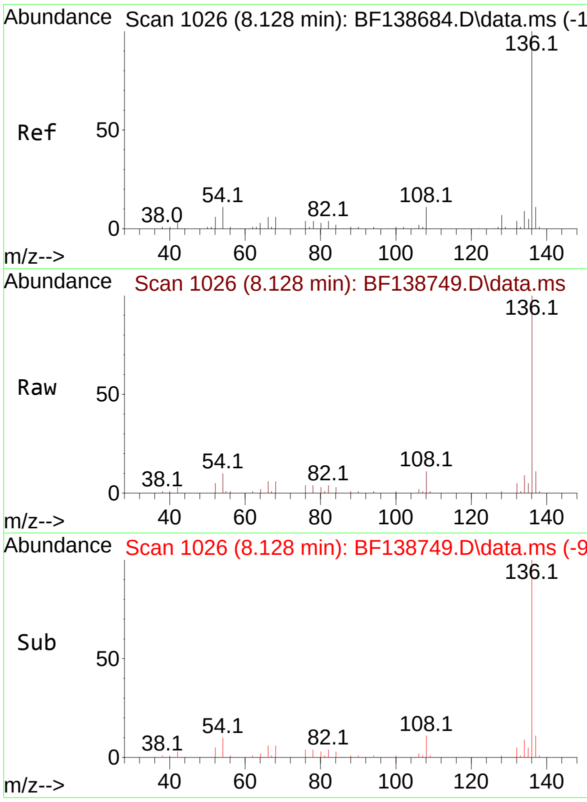


#19
n-Nitroso-di-n-propylamine
Concen: 5.386 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.147 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Tgt Ion: 70 Resp: 13992

Ion	Ratio	Lower	Upper
70	100		
42	52.2	57.4	86.0#
101	0.0	7.5	11.3#
130	1.4	16.4	24.6#



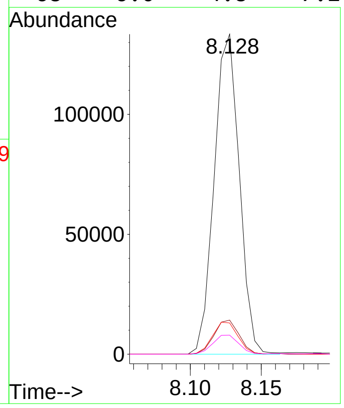


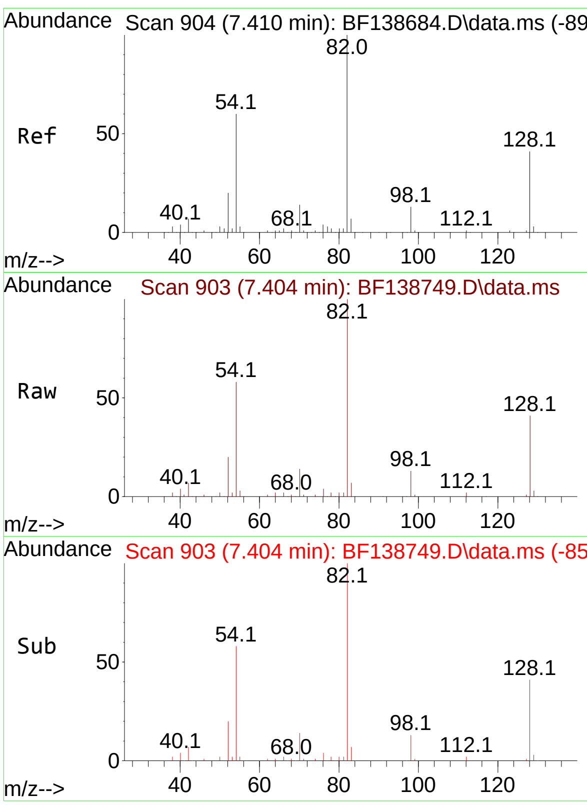
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

Tgt Ion:136 Resp: 164357

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.7	8.6	12.8
68	6.0	4.8	7.2

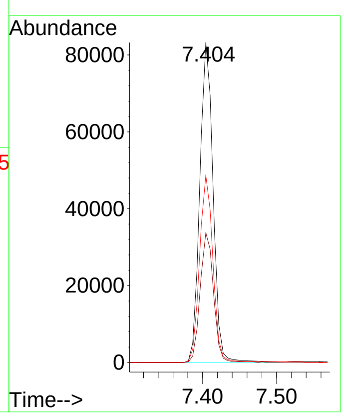


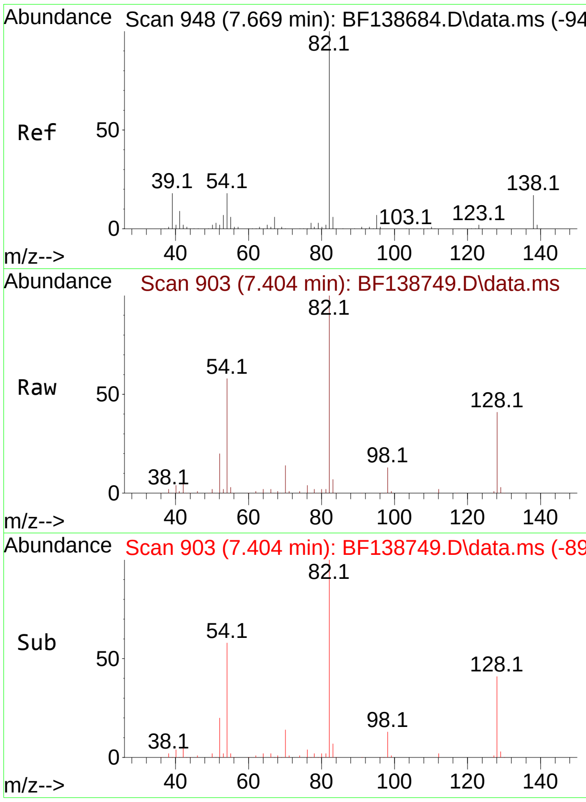


#23
Nitrobenzene-d5
Concen: 30.918 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Tgt Ion: 82 Resp: 103938

Ion	Ratio	Lower	Upper
82	100		
128	40.5	32.8	49.2
54	58.4	48.3	72.5



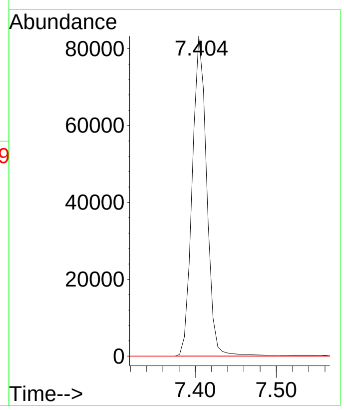


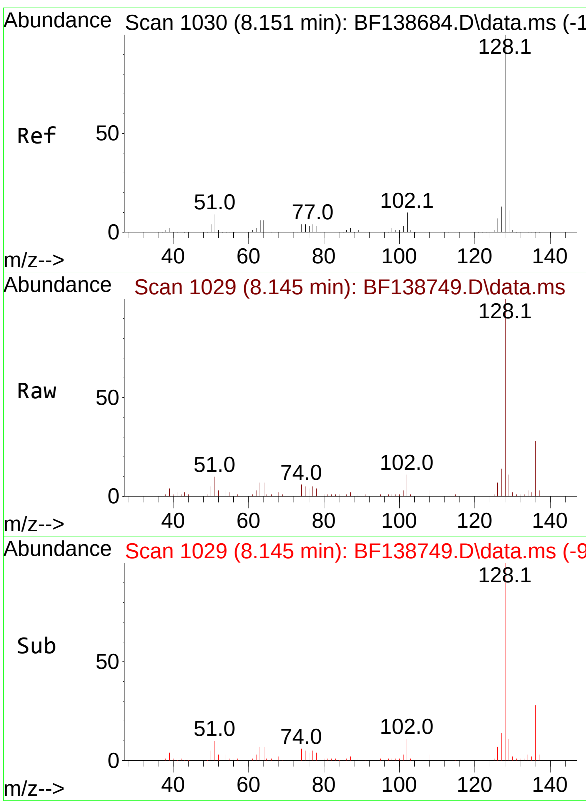
#25
Isophorone
Concen: 17.869 ng
RT: 7.404 min   Scan# 9
Delta R.T.   -0.265 min
Lab File: BF138749.D
Acq: 02 Aug 2024   16:10

Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

Tgt Ion: 82 Resp: 102571

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	13.7	20.5#

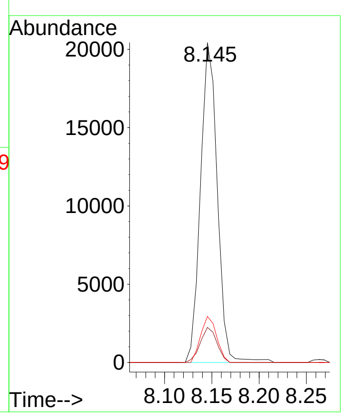


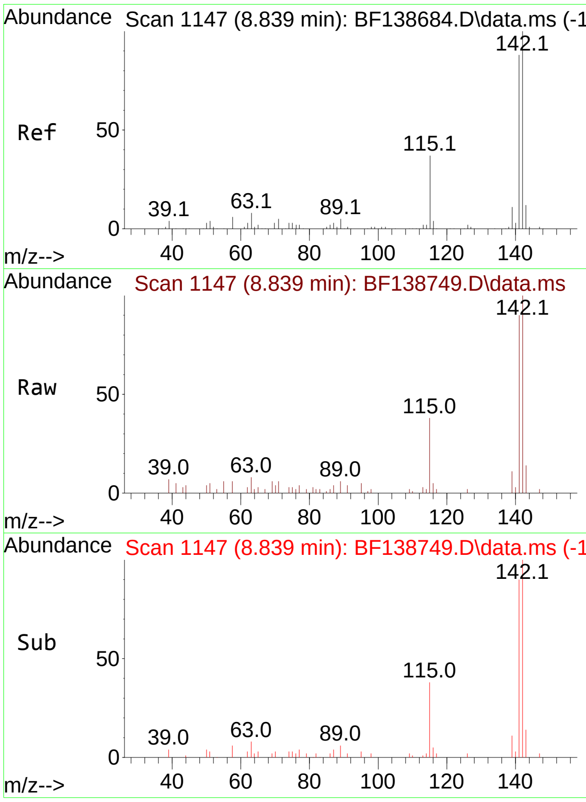


#31
Naphthalene
Concen: 2.932 ng
RT: 8.145 min   Scan# 1029
Delta R.T.   -0.006 min
Lab File: BF138749.D
Acq: 02 Aug 2024   16:10

Tgt Ion:128 Resp: 25364

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	14.4	10.6	16.0





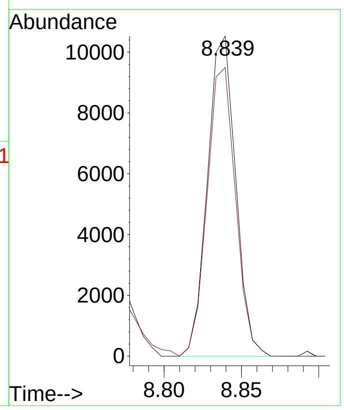
#37
2-Methylnaphthalene
Concen: 2.444 ng
RT: 8.839 min Scan# 1

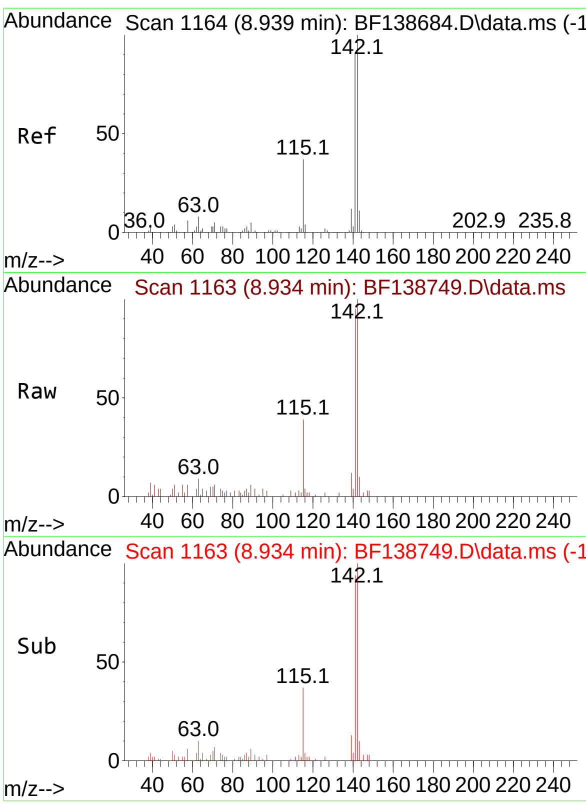
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

Delta R.T. 0.000 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Tgt Ion:142 Resp: 13353

Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.8	106.2

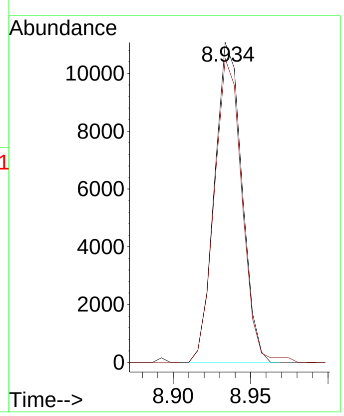


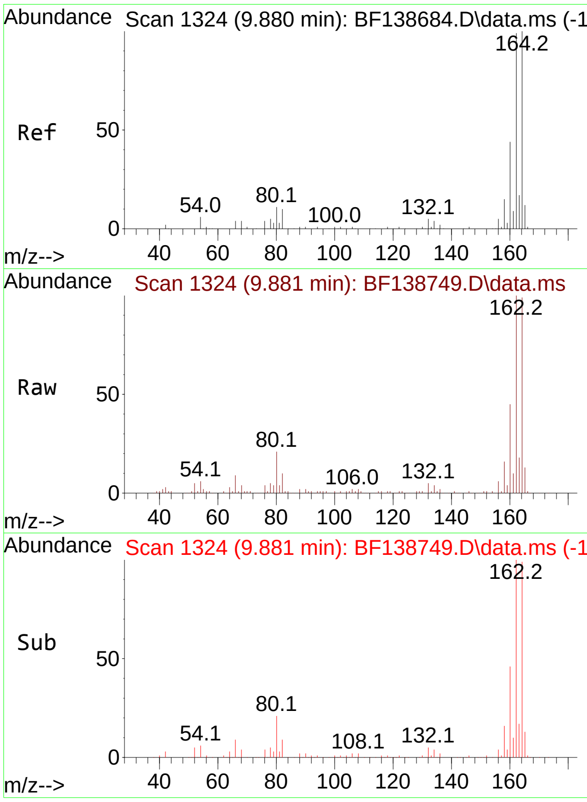


#38
1-Methylnaphthalene
Concen: 2.550 ng
RT: 8.934 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Tgt Ion:142 Resp: 13652

Ion	Ratio	Lower	Upper
142	100		
141	95.0	73.1	109.7



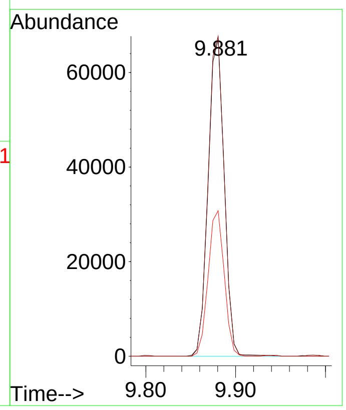


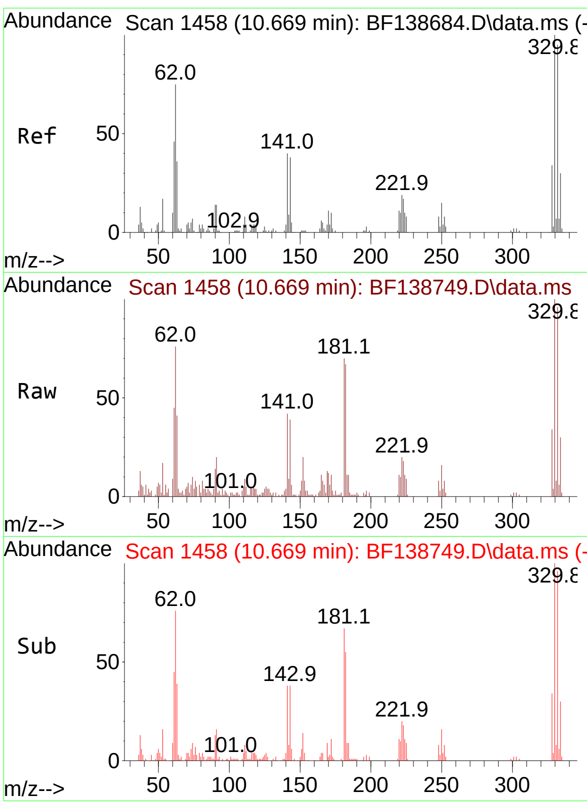
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min   Scan# 1
Delta R.T.   0.001 min
Lab File: BF138749.D
Acq: 02 Aug 2024   16:10

Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

Tgt Ion:164 Resp: 83404

Ion	Ratio	Lower	Upper
164	100		
162	101.0	79.4	119.0
160	45.9	35.1	52.7

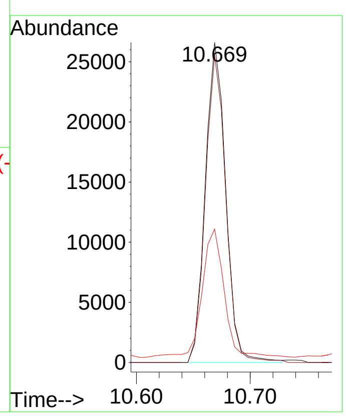


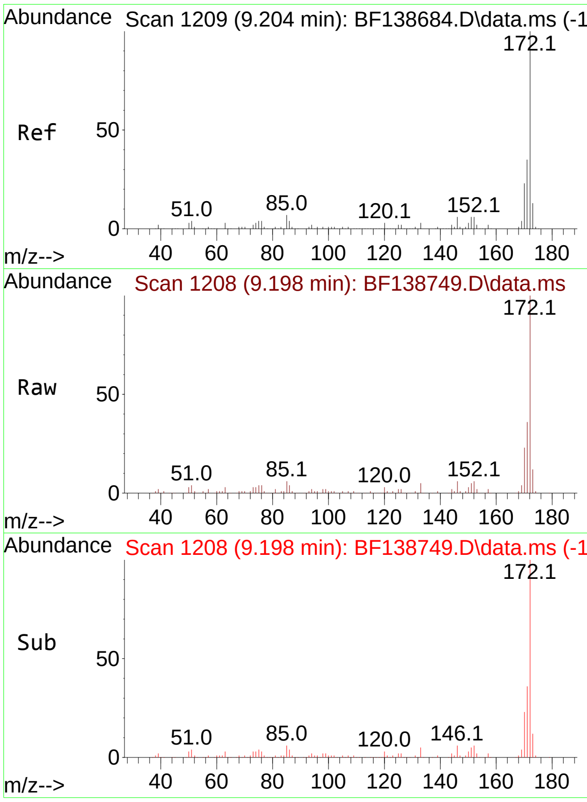


#42
2,4,6-Tribromophenol
Concen: 48.805 ng
RT: 10.669 min   Scan# 1458
Delta R.T.   0.000 min
Lab File: BF138749.D
Acq: 02 Aug 2024   16:10

Tgt Ion:330 Resp: 33343

Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.4	114.6
141	43.9	31.1	46.7



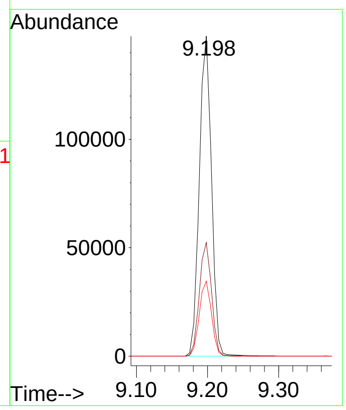


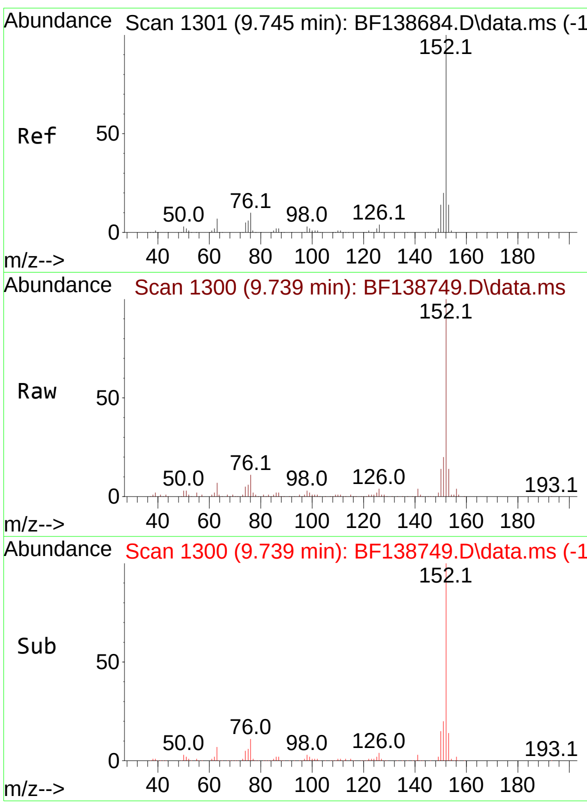
#45
2-Fluorobiphenyl
Concen: 31.870 ng
RT: 9.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

Tgt Ion:172 Resp: 176911

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	23.4	18.8	28.2

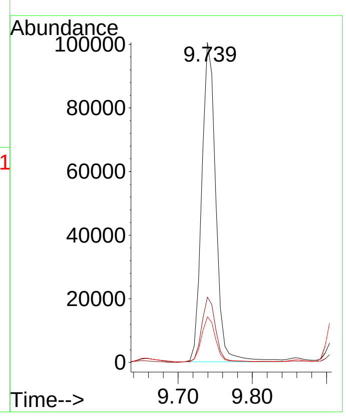


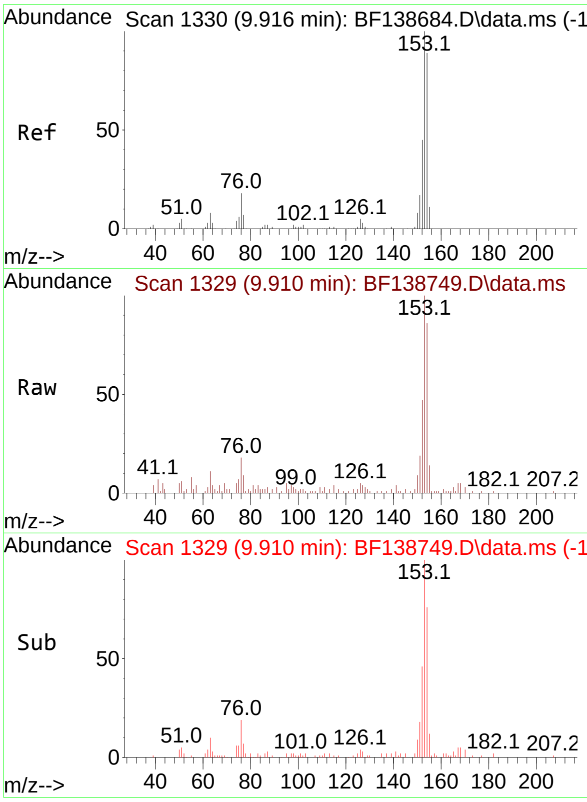


#49
Acenaphthylene
Concen: 19.213 ng
RT: 9.739 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Tgt Ion:152 Resp: 132379

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.0	24.0
153	14.3	11.0	16.4



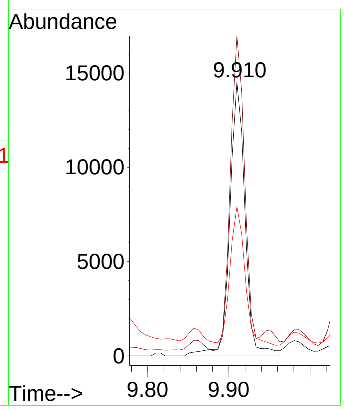


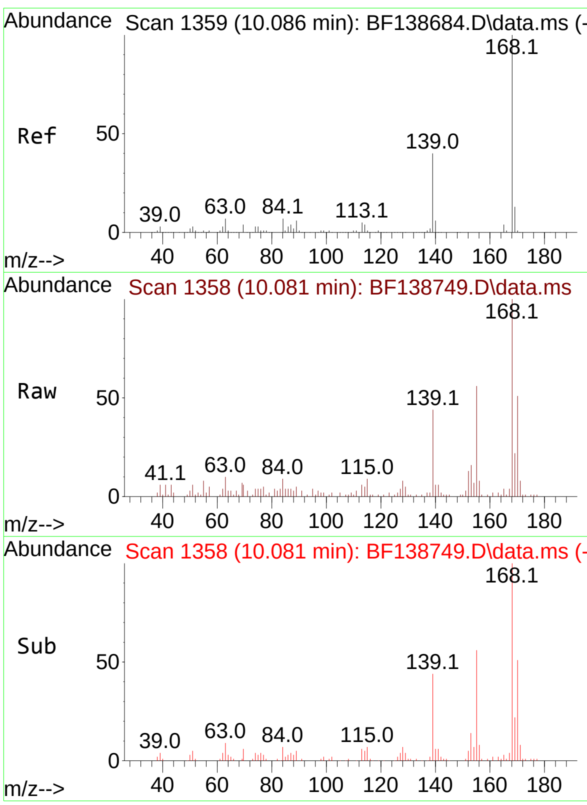
#52
Acenaphthene
Concen: 4.102 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

Tgt Ion:154 Resp: 19000

Ion	Ratio	Lower	Upper
154	100		
153	116.9	89.9	134.9
152	54.5	40.6	60.8

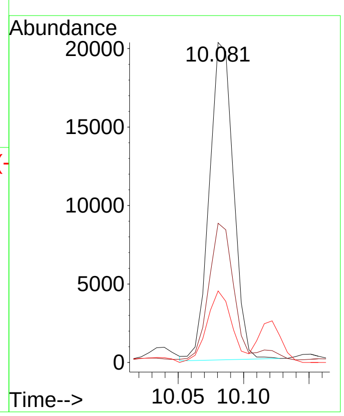


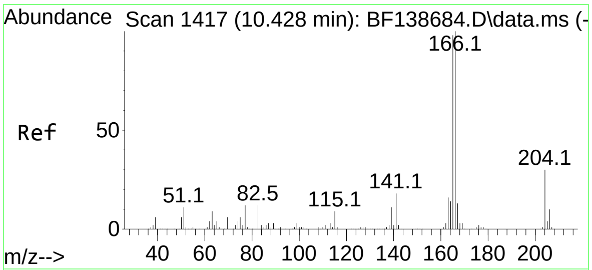


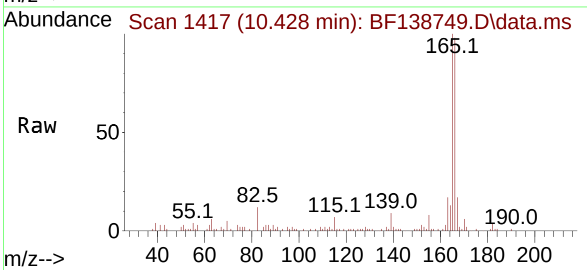
#55
Dibenzofuran
Concen: 3.958 ng
RT: 10.081 min Scan# 1358
Delta R.T. -0.006 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

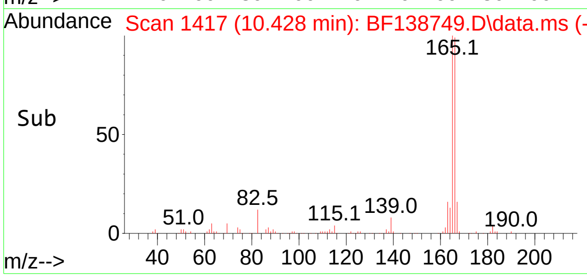
Tgt Ion:168 Resp: 25877

Ion	Ratio	Lower	Upper
168	100		
139	43.5	32.6	49.0
169	22.3	10.7	16.1#







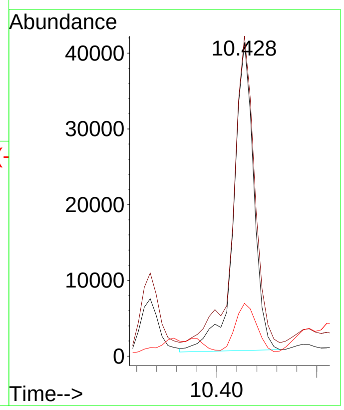


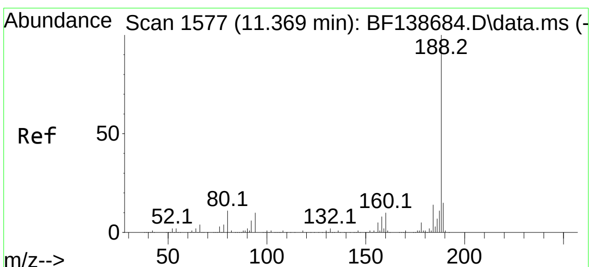
#58
Fluorene
Concen: 11.047 ng
RT: 10.428 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

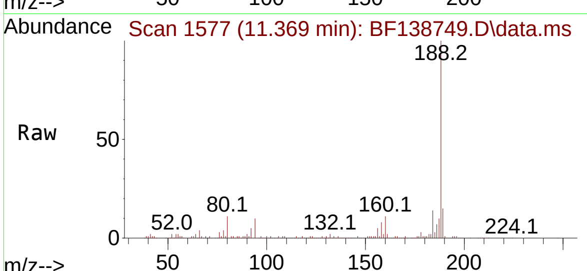
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

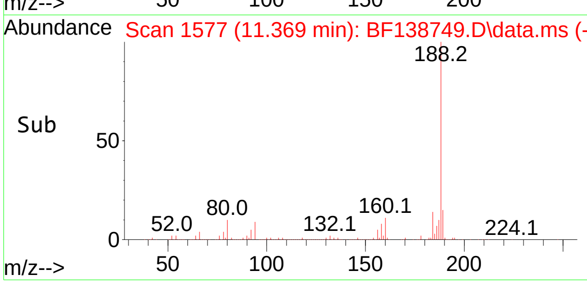
Tgt Ion:166 Resp: 57517

Ion	Ratio	Lower	Upper
166	100		
165	102.0	78.4	117.6
167	16.8	10.6	16.0#





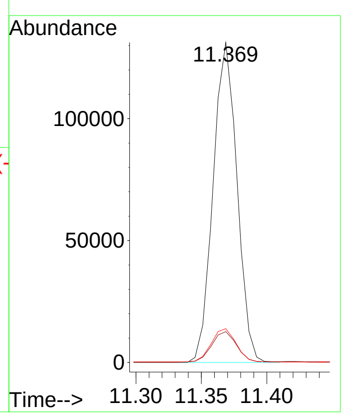


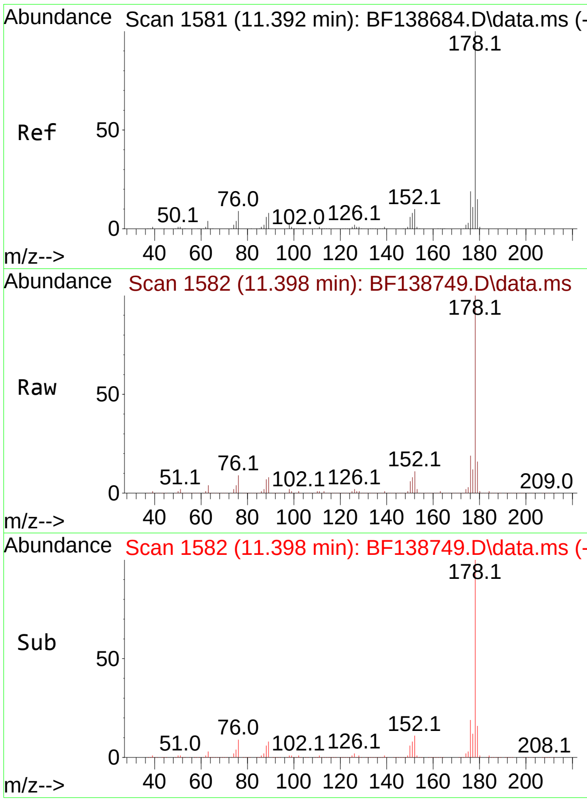


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Tgt Ion:188 Resp: 166741

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.6	11.4
80	10.5	8.6	12.8

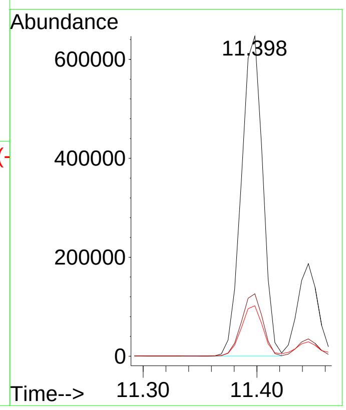


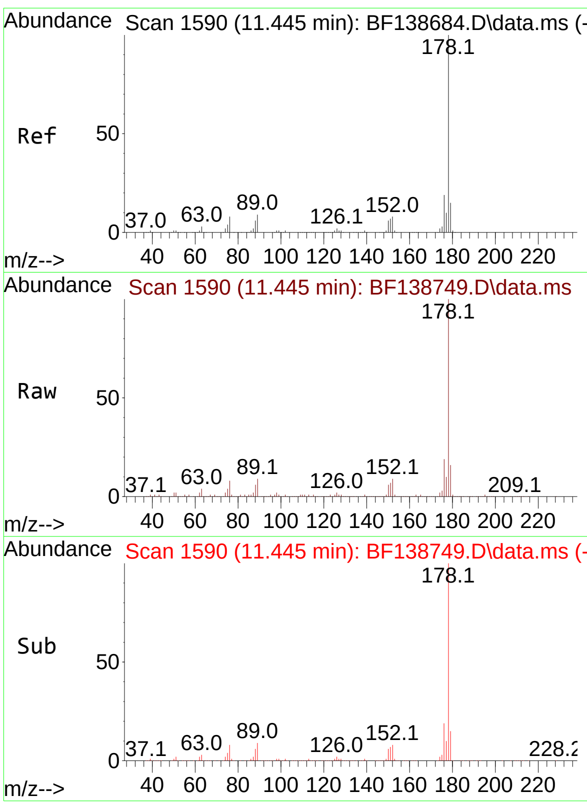



```
#71
Phenanthrene
Concen:   98.221 ng
RT:  11.398 min  Scan# 1
Delta R.T.  0.006 min
Lab File:   BF138749.D
Acq: 02 Aug 2024  16:10

Tgt Ion:178 Resp:  843311
Ion  Ratio  Lower  Upper
178  100
176   19.5   15.4   23.0
179   15.8   12.2   18.2
```

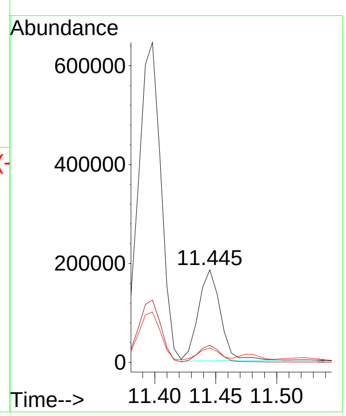
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

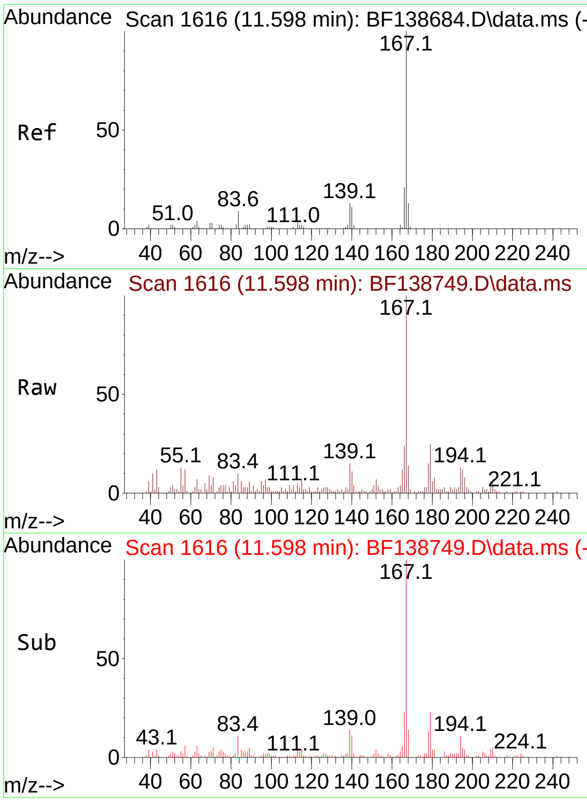





```
#72
Anthracene
Concen:   27.512 ng
RT:  11.445 min  Scan# 1590
Delta R.T.  0.000 min
Lab File:   BF138749.D
Acq: 02 Aug 2024  16:10

Tgt Ion:178 Resp:  232706
Ion  Ratio  Lower  Upper
178  100
176   18.7   14.9   22.3
179   15.7   12.4   18.6
```



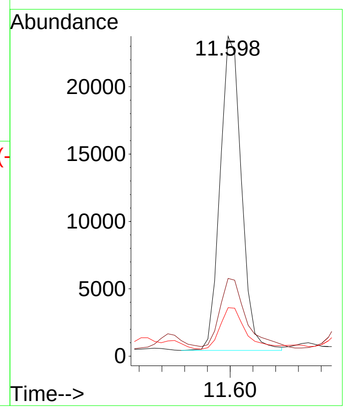


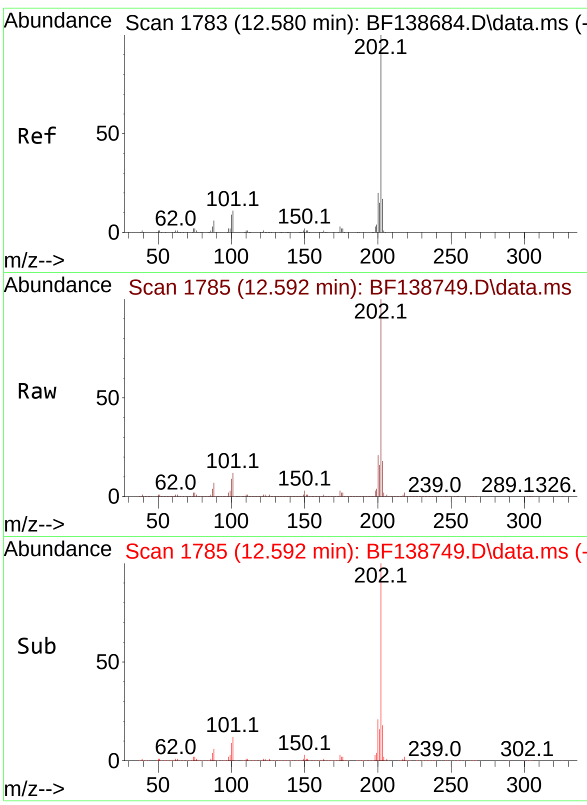
#73
Carbazole
Concen: 4.167 ng
RT: 11.598 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

Tgt Ion:167 Resp: 30408

Ion	Ratio	Lower	Upper
167	100		
166	24.3	17.2	25.8
139	15.2	10.6	16.0

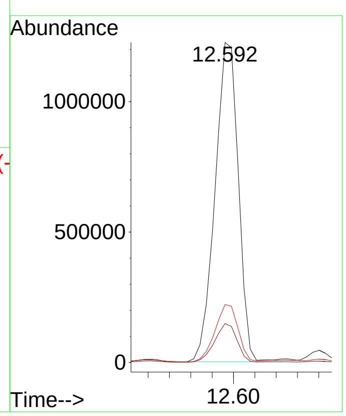


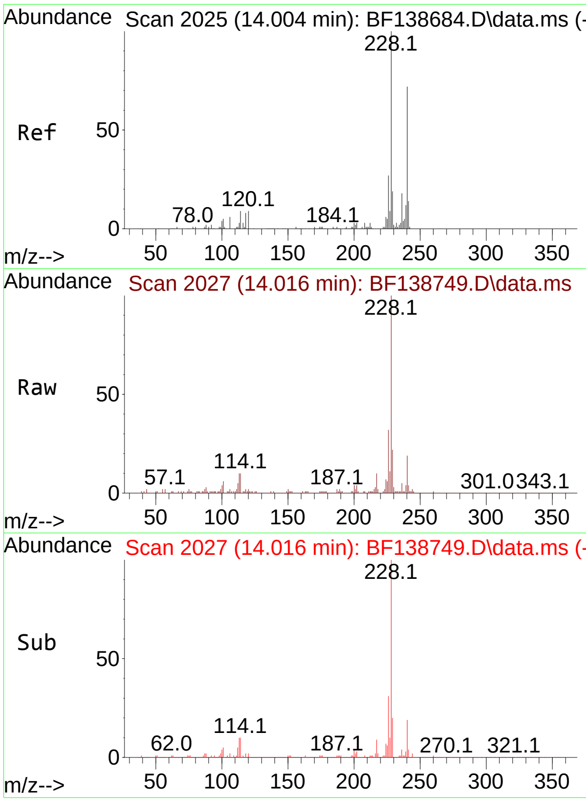


#75
Fluoranthene
Concen: 231.608 ng
RT: 12.592 min Scan# 1785
Delta R.T. 0.012 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Tgt Ion:202 Resp: 1856427

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.2
203	18.1	0.0	37.3



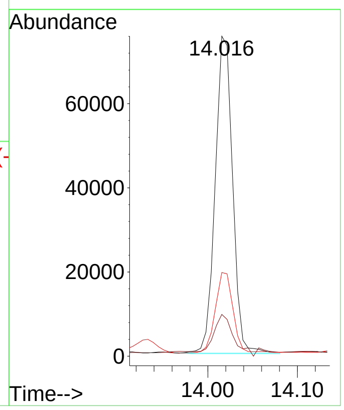


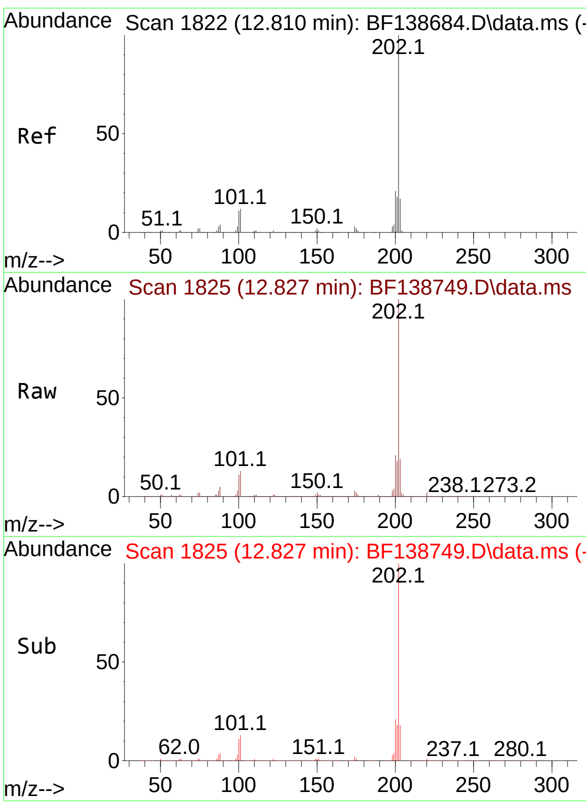
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

Tgt Ion:240 Resp: 101772

Ion	Ratio	Lower	Upper
240	100		
120	13.1	10.2	15.4
236	26.2	19.8	29.8

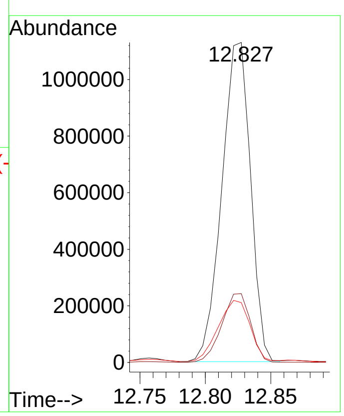


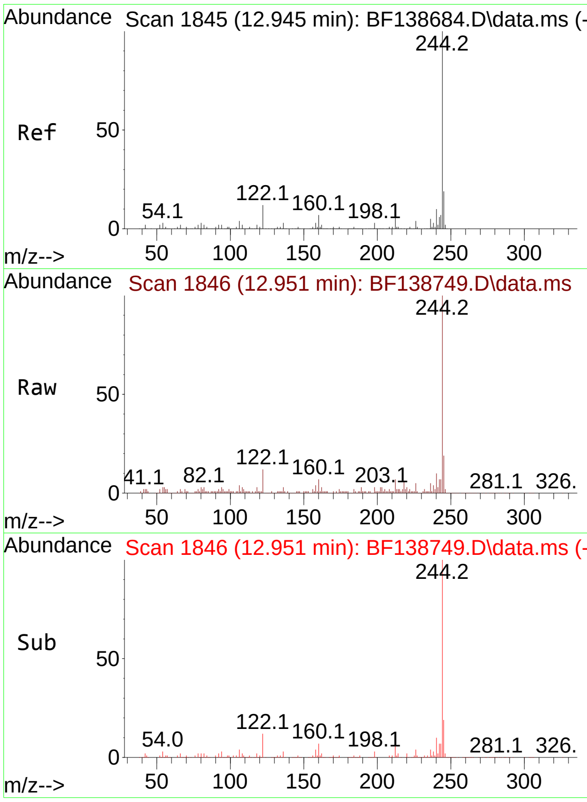


#78
Pyrene
Concen: 179.644 ng
RT: 12.827 min Scan# 1825
Delta R.T. 0.018 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Tgt Ion:202 Resp: 1721377

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	18.7	13.8	20.6





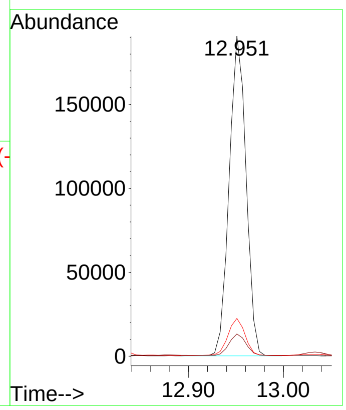
#79
Terphenyl-d14
Concen: 38.877 ng
RT: 12.951 min Scan# 1

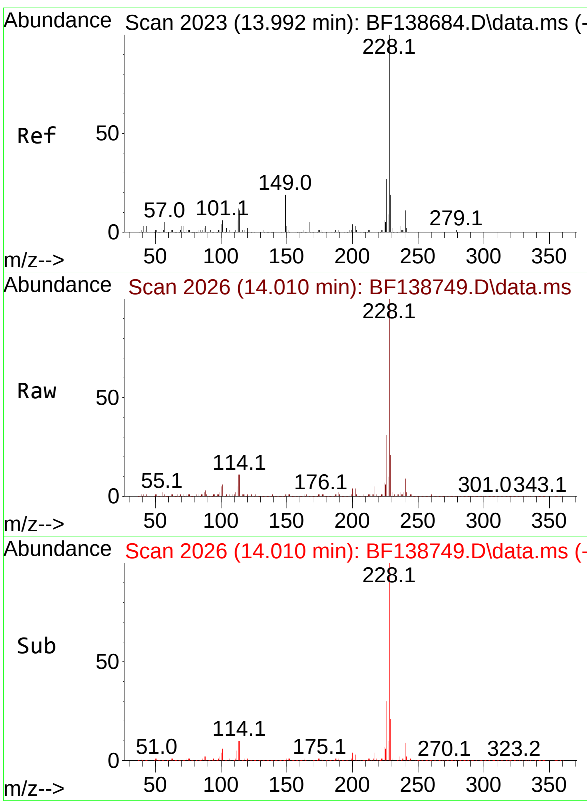
Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

Delta R.T. 0.006 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Tgt Ion:244 Resp: 236316

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	11.8	9.6	14.4

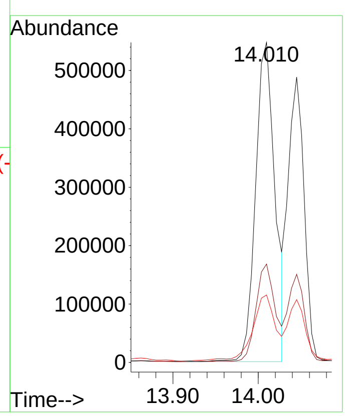


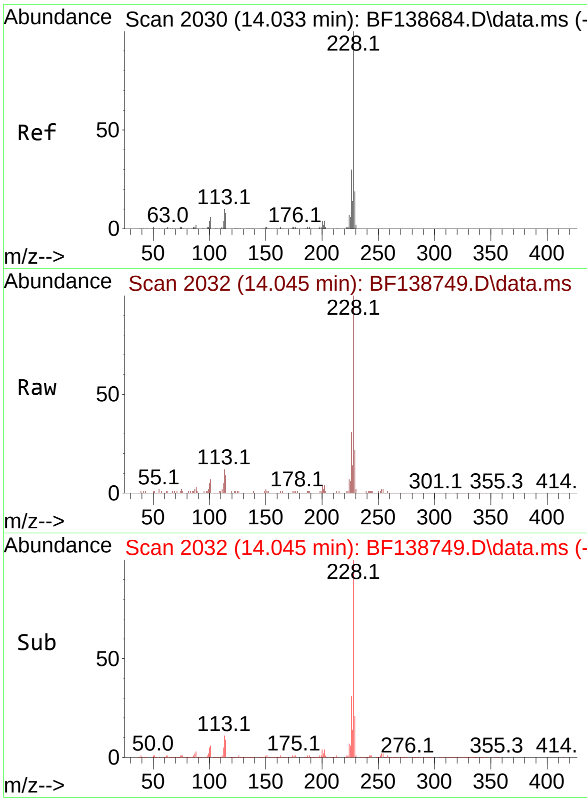


#81
Benzo(a)anthracene
Concen: 123.177 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.018 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Tgt Ion:228 Resp: 863252

Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.1	33.1
229	21.1	15.4	23.0



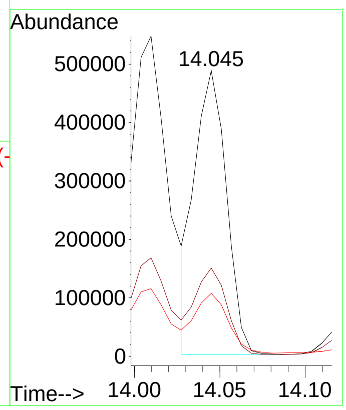


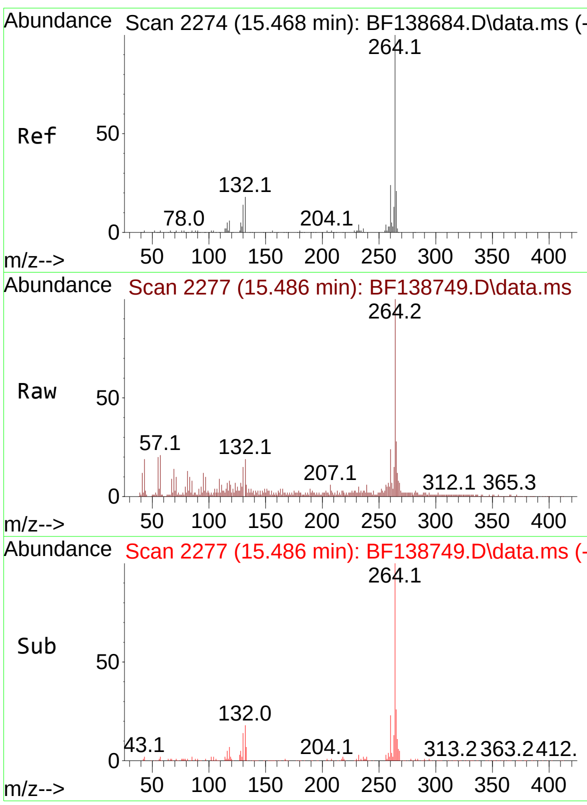
#83
Chrysene
Concen: 99.478 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

Tgt Ion:228 Resp: 628977

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.7	35.5
229	22.0	15.0	22.6

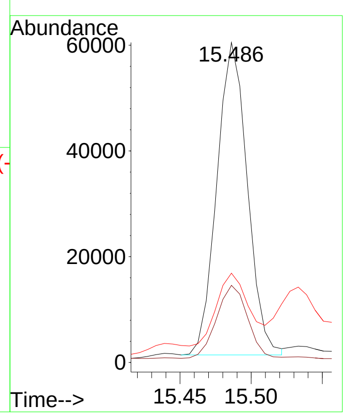


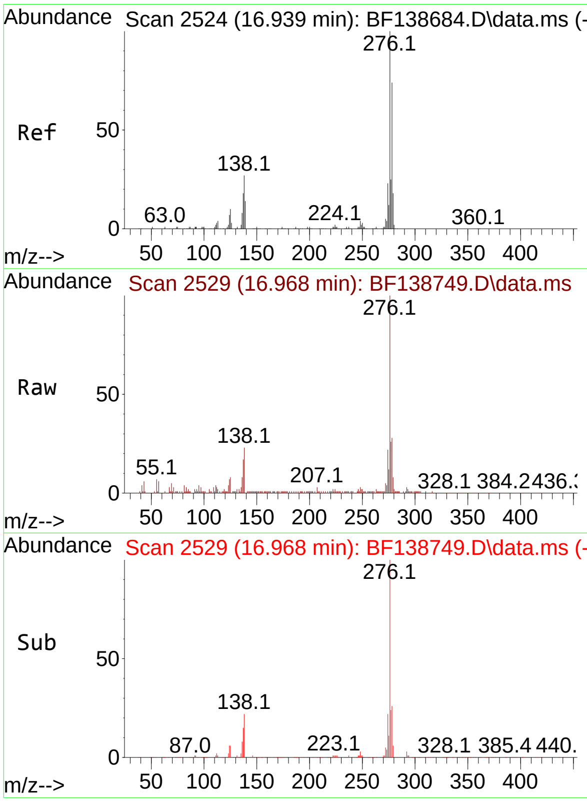


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2277
Delta R.T. 0.018 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Tgt Ion:264 Resp: 88042

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.6
265	27.9	17.0	25.6#



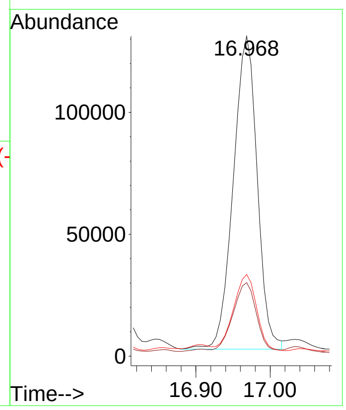


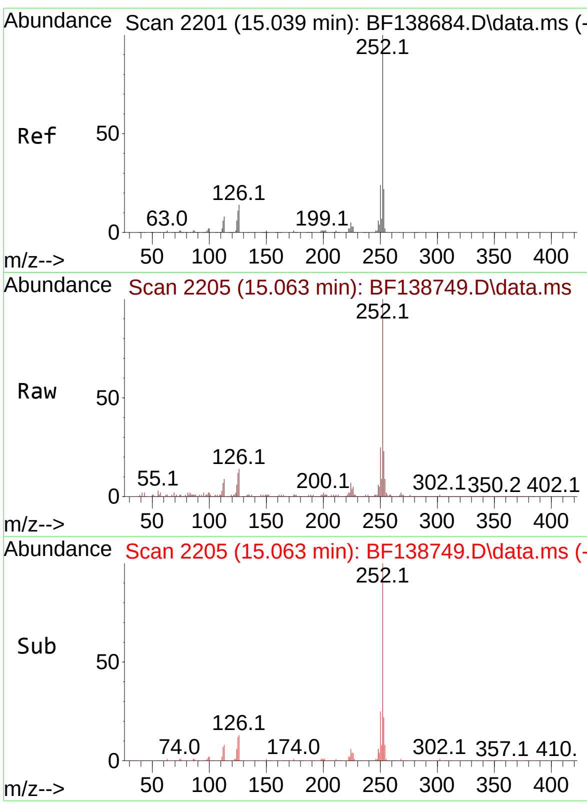
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.611 ng
RT: 16.968 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

Tgt Ion:276 Resp: 287779

Ion	Ratio	Lower	Upper
276	100		
138	22.3	21.8	32.8
277	23.6	20.6	30.8

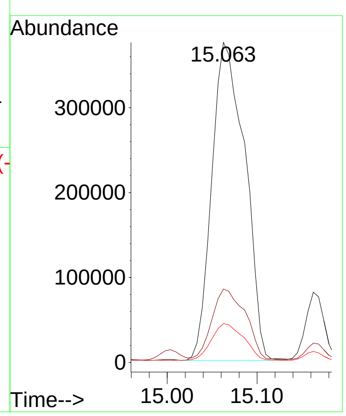


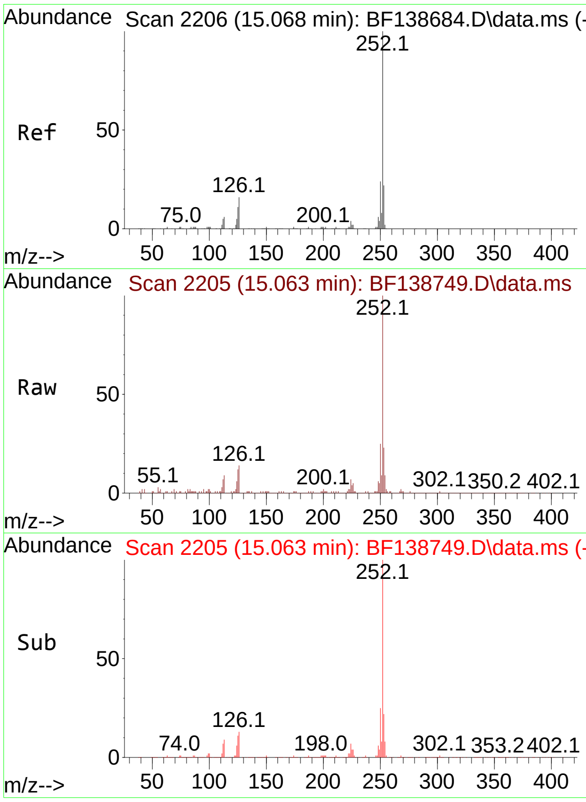


#88
Benzo(b)fluoranthene
Concen: 175.801 ng
RT: 15.063 min Scan# 2205
Delta R.T. 0.024 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Tgt Ion:252 Resp: 959475

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	12.2	8.9	13.3



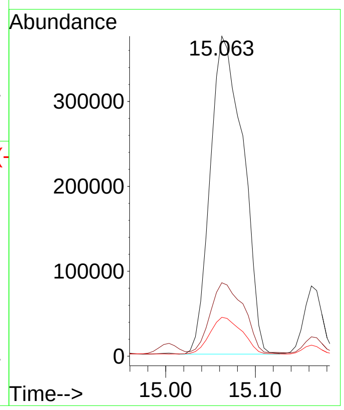


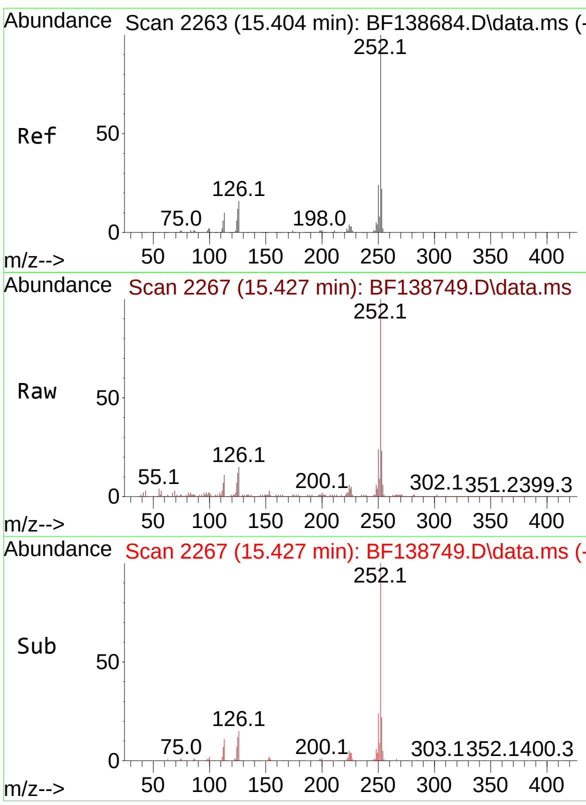
#89
Benzo(k)fluoranthene
Concen: 203.046 ng
RT: 15.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

Tgt Ion:252 Resp: 959475

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	12.2	8.6	13.0

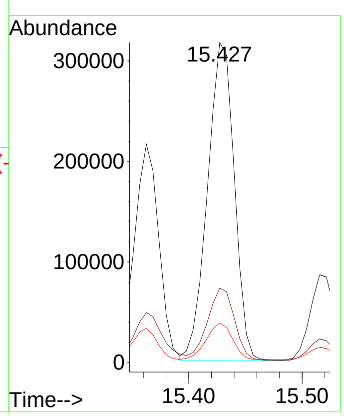


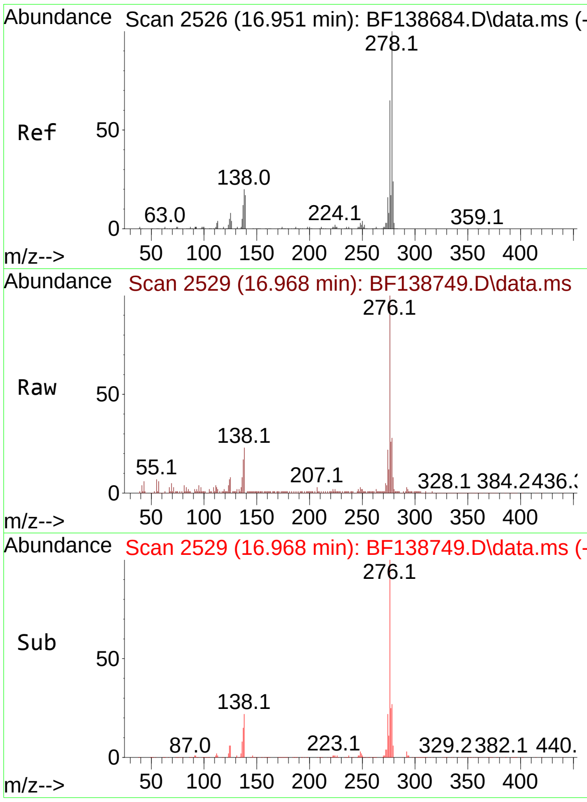


#90
Benzo(a)pyrene
Concen: 113.499 ng
RT: 15.427 min Scan# 2267
Delta R.T. 0.024 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Tgt Ion:252 Resp: 521045

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	12.4	9.5	14.3



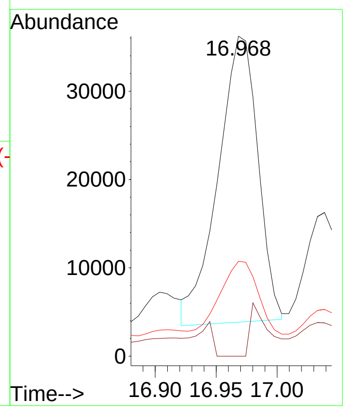


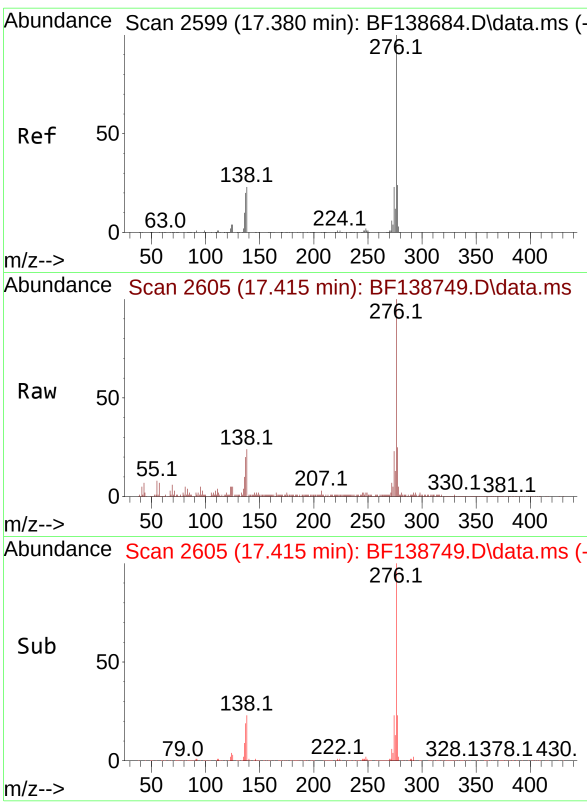
#91
Dibenzo(a,h)anthracene
Concen: 14.217 ng
RT: 16.968 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Instrument :
BNA_F
ClientSampleId :
PL-02-07312024-A

Tgt Ion:278 Resp: 73633

Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.0	21.0#
279	29.7	19.0	28.4#





#92
Benzo(g,h,i)perylene
Concen: 48.035 ng
RT: 17.415 min Scan# 2605
Delta R.T. 0.035 min
Lab File: BF138749.D
Acq: 02 Aug 2024 16:10

Tgt Ion:276 Resp: 258166

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.0	28.4
138	23.6	18.5	27.7