Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
Data File : BF140473.D
Acq On : 19 Nov 2024 15:06
Operator : RC/JU
Sample : P4771-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P-1

Quant Time: Nov 19 15:29:19 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 14:40:06 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.869	152	146282	20.000	ng		-0.01
21) Naphthalene-d8	8.151	136	527101	20.000	ng		0.00
39) Acenaphthene-d10	9.910	164	277147	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	459414	20.000	ng		0.00
76) Chrysene-d12	14.045	240	253688	20.000	ng		0.00
86) Perylene-d12	15.527	264	274336	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	741721	86.573	ng		0.01
7) Phenol-d6	6.510	99	992523	85.505	ng		0.00
23) Nitrobenzene-d5	7.433	82	637886	63.054	ng		0.00
42) 2,4,6-Tribromophenol	10.704	330	220489	80.003	ng		0.00
45) 2-Fluorobiphenyl	9.227	172	1124162	65.205	ng		0.00
79) Terphenyl-d14	12.986	244	946135	64.737	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.175	128	112848	4.220	ng	#	91
37) 2-Methylnaphthalene	8.863	142	181985	10.614	ng		100
38) 1-Methylnaphthalene	8.963	142	278568	16.592	ng		100
52) Acenaphthene	9.939	154	57909	3.690	ng		96
58) Fluorene	10.457	166	100376	5.719	ng	#	93
71) Phenanthrene	11.427	178	981374	45.474	ng		99
72) Anthracene	11.474	178	219083m	10.358	ng		
75) Fluoranthene	12.615	202	1118801	46.208	ng		99
78) Pyrene	12.845	202	908827	41.882	ng		98
81) Benzo(a)anthracene	14.033	228	389369	23.353	ng	#	96
83) Chrysene	14.068	228	303738m	19.966	ng		
87) Indeno(1,2,3-cd)pyrene	17.021	276	95812	5.654	ng		97
88) Benzo(b)fluoranthene	15.092	252	313908m	17.492	ng		
89) Benzo(k)fluoranthene	15.109	252	109362m	7.460	ng		
90) Benzo(a)pyrene	15.462	252	201869	14.485	ng		98
92) Benzo(g,h,i)perylene	17.474	276	86981	6.074	ng		96

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

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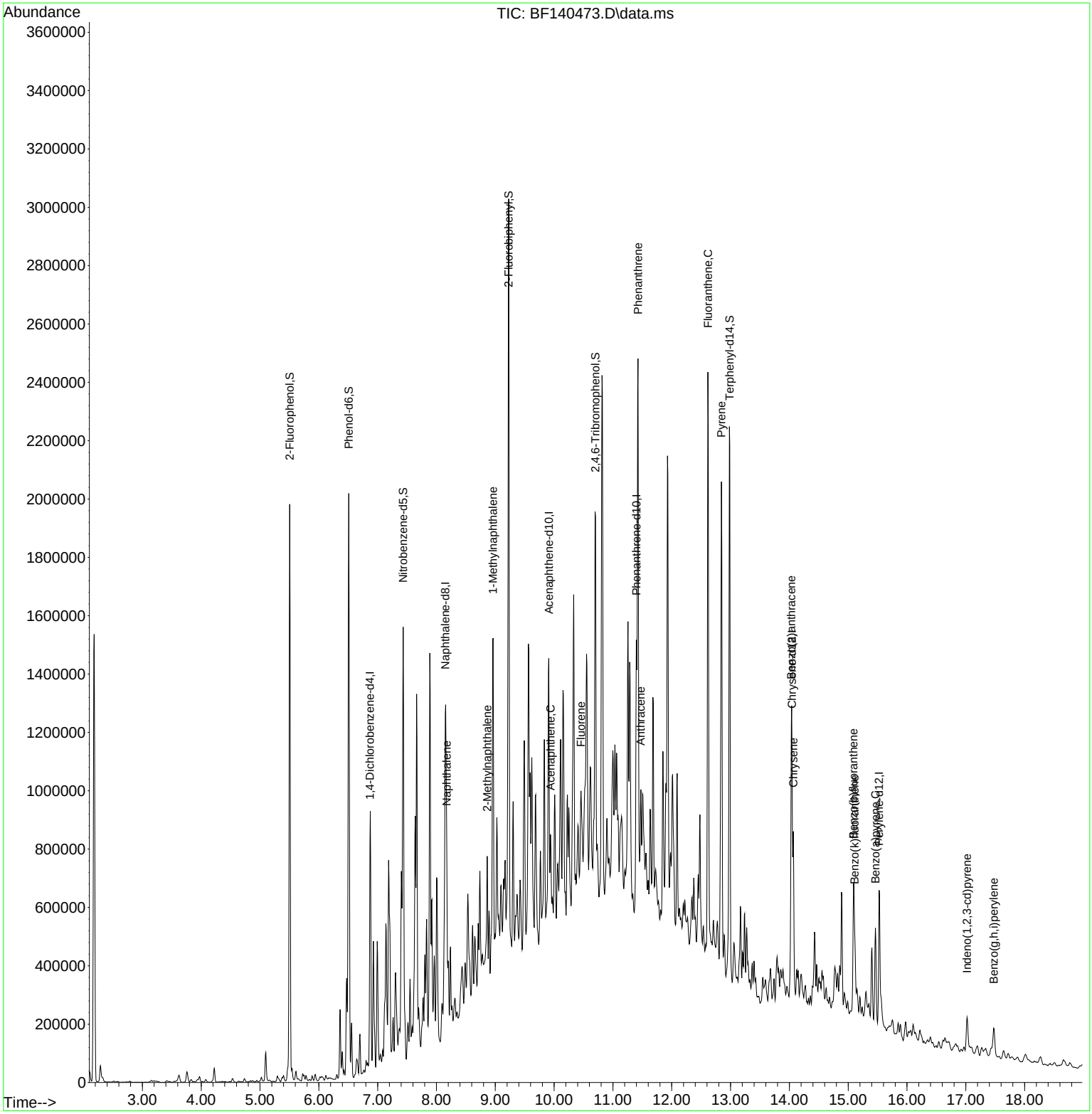
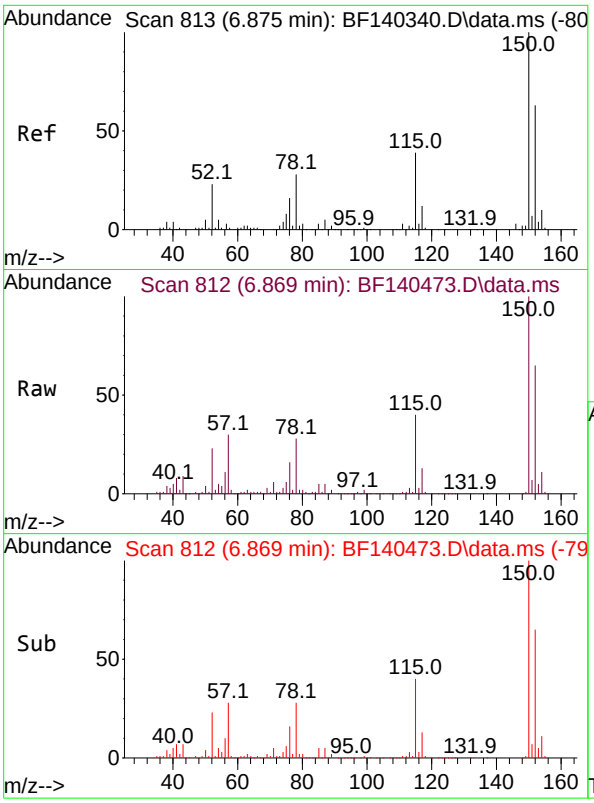


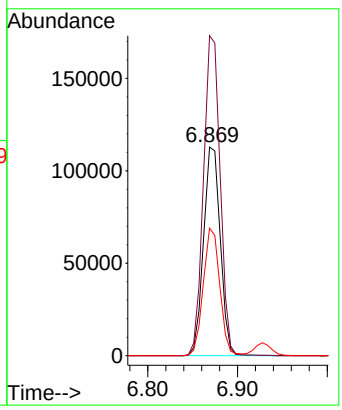


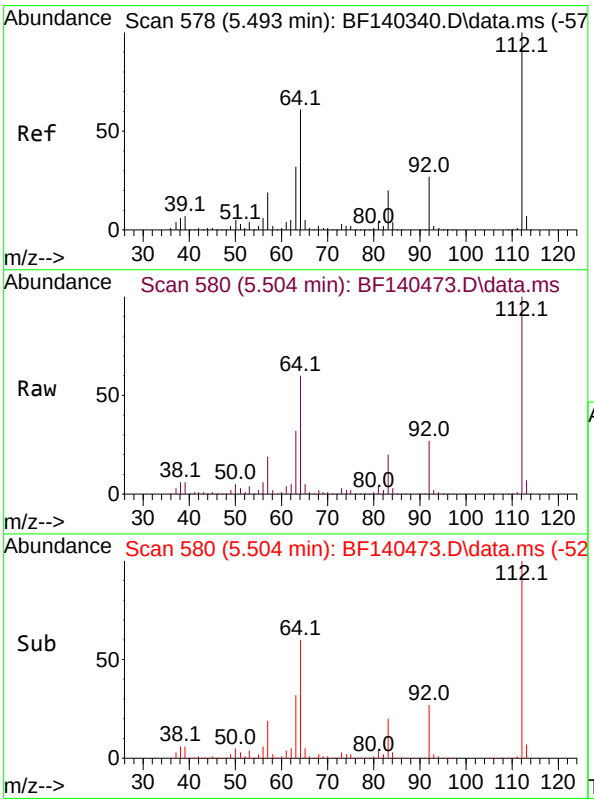
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion:152 Resp: 146282

Ion	Ratio	Lower	Upper
152	100		
150	153.3	127.4	191.0
115	61.1	47.4	71.2

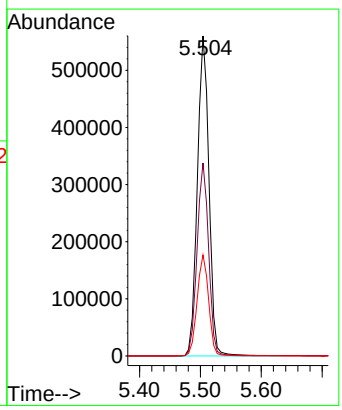


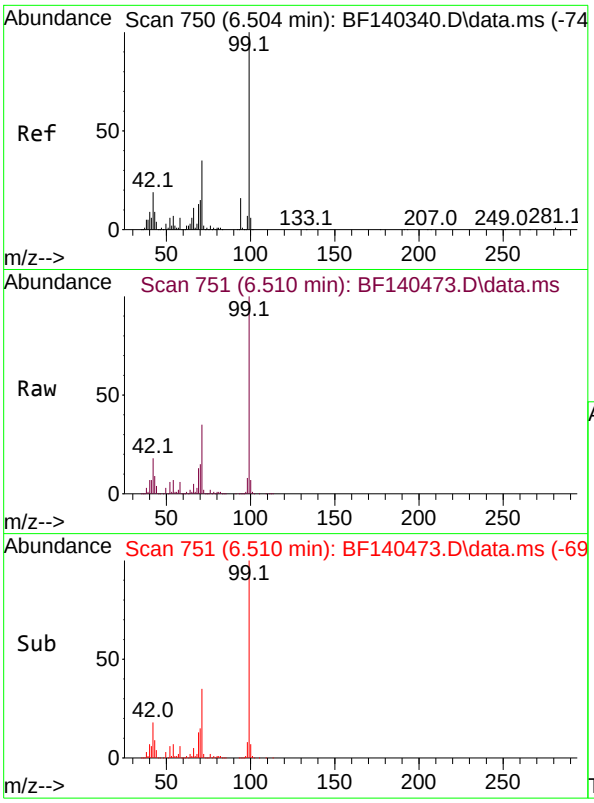


#5
2-Fluorophenol
Concen: 86.573 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:112 Resp: 741721

Ion	Ratio	Lower	Upper
112	100		
64	60.3	49.2	73.8
63	31.5	25.6	38.4



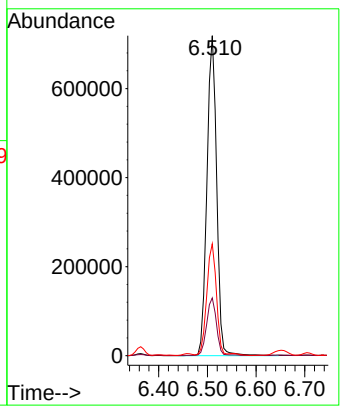


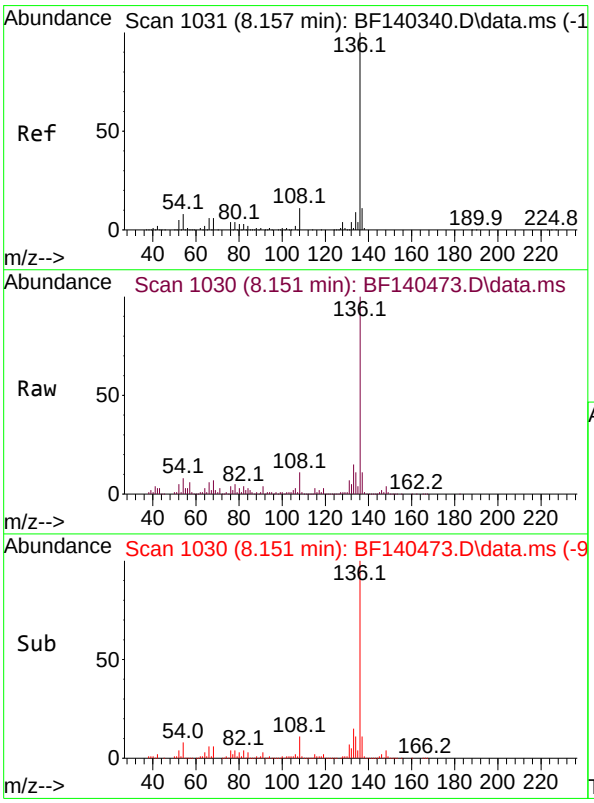
#7
Phenol-d6
Concen: 85.505 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion: 99 Resp: 992523

Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.1	22.7
71	35.0	27.9	41.9

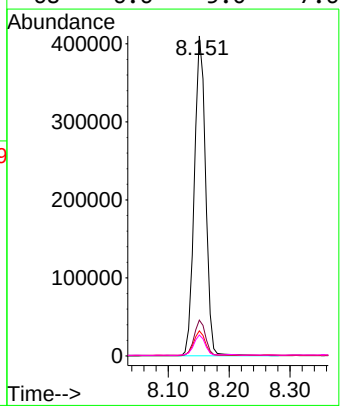


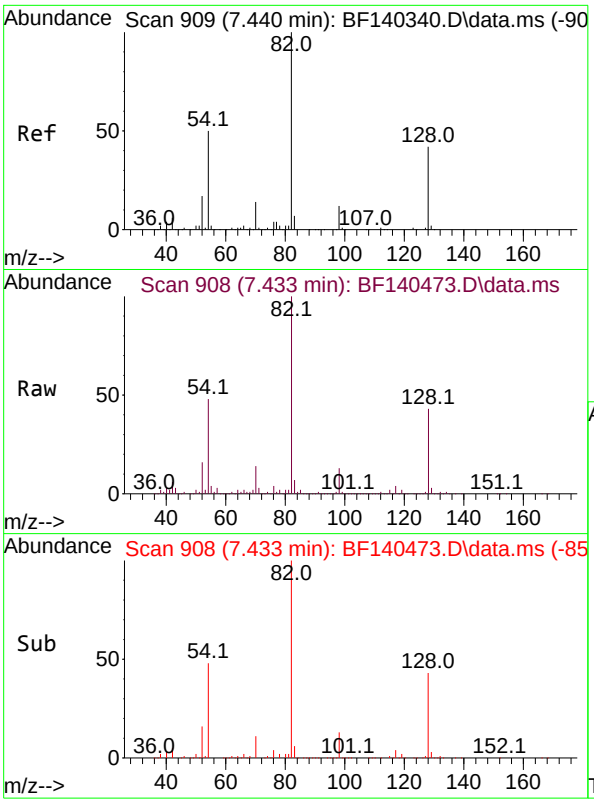


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:136 Resp: 527101

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	7.9	6.5	9.7
68	6.6	5.0	7.6



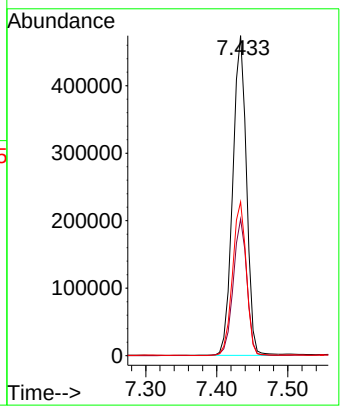


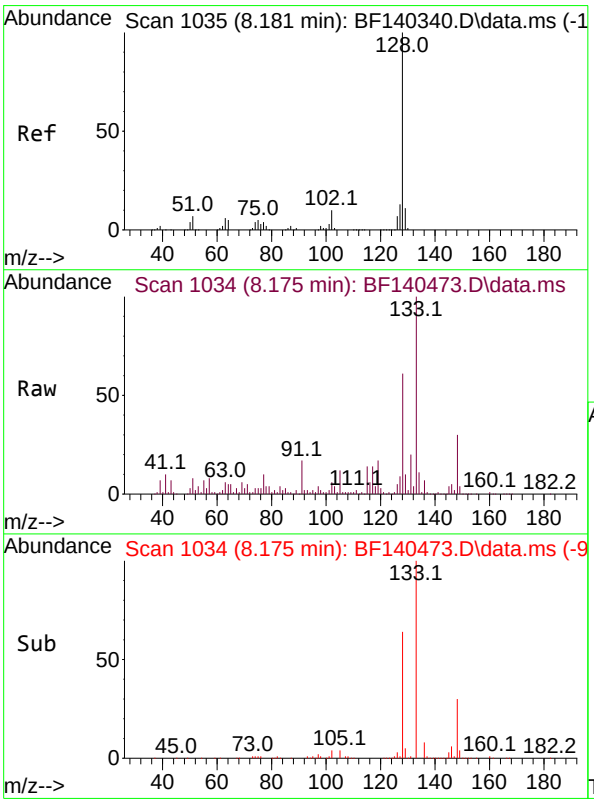
#23
Nitrobenzene-d5
Concen: 63.054 ng
RT: 7.433 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion: 82 Resp: 637886

Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.3	49.9
54	48.1	39.8	59.8

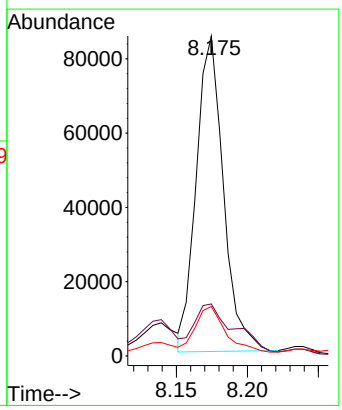


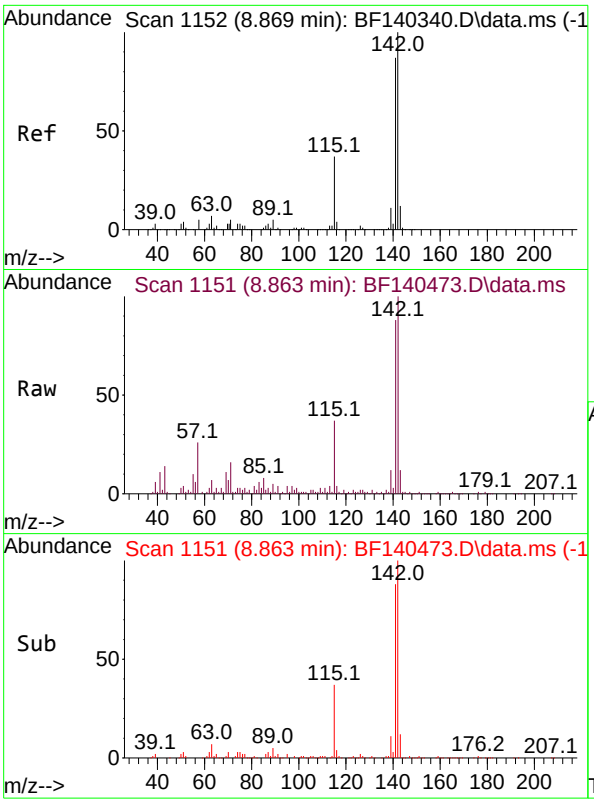


#31
Naphthalene
Concen: 4.220 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:128 Resp: 112848

Ion	Ratio	Lower	Upper
128	100		
129	16.3	8.9	13.3#
127	15.4	10.6	15.8



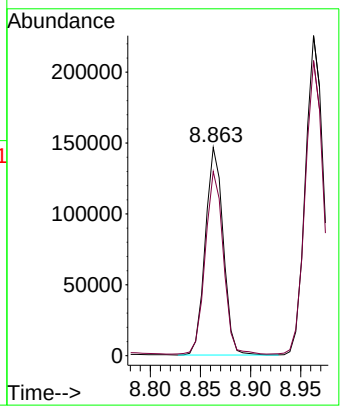


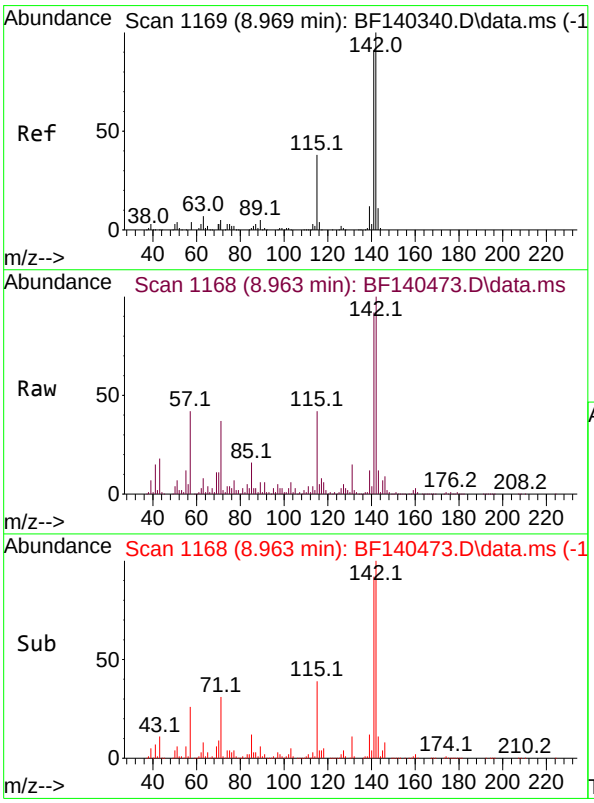
#37
2-Methylnaphthalene
Concen: 10.614 ng
RT: 8.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion:142 Resp: 181985

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.4	105.6

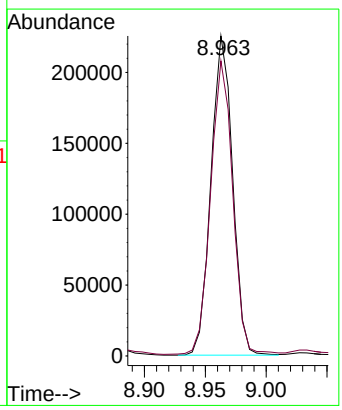


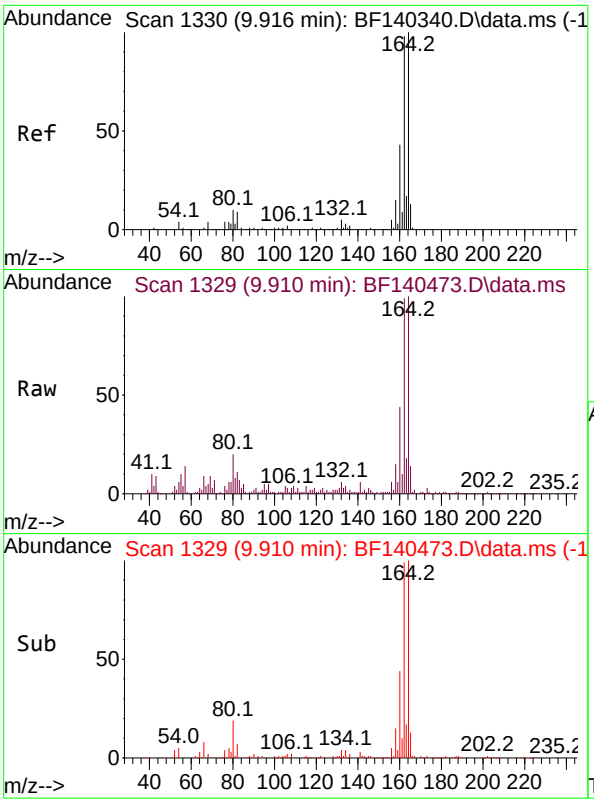


#38
1-Methylnaphthalene
Concen: 16.592 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:142 Resp: 278568

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.6	110.4



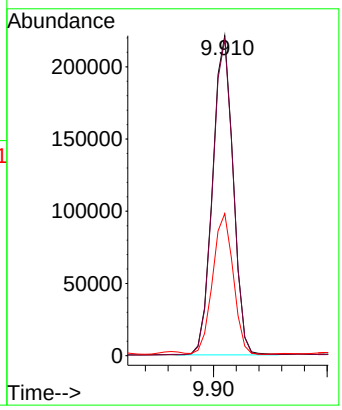


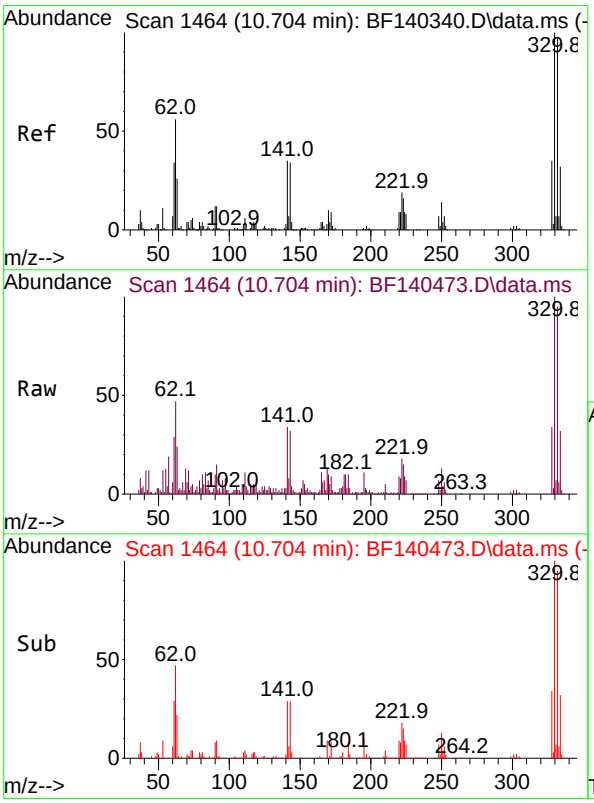
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion:164 Resp: 277147

Ion	Ratio	Lower	Upper
164	100		
162	98.9	79.8	119.8
160	44.4	35.4	53.0

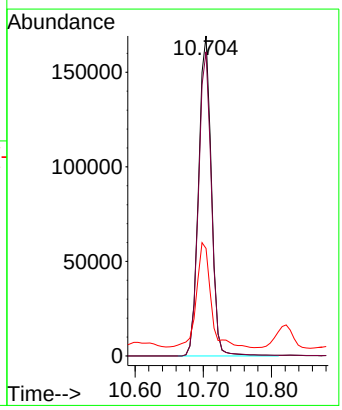


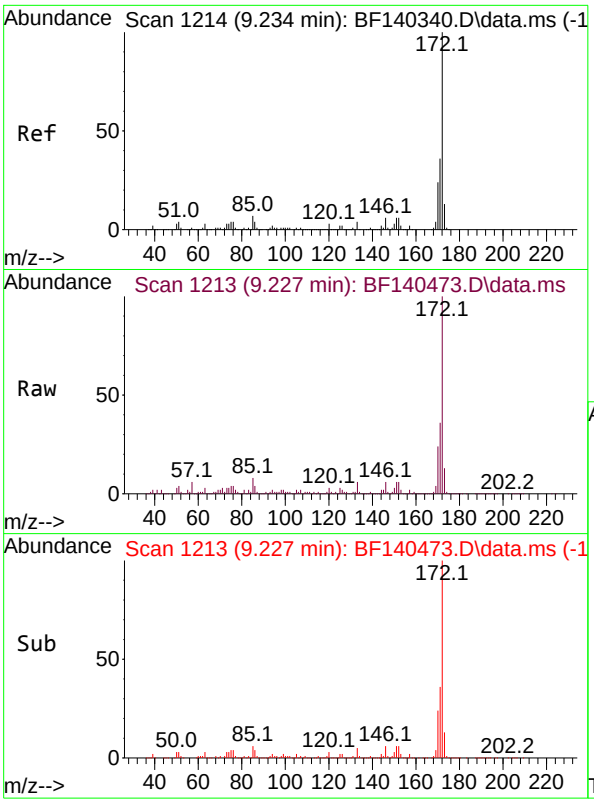


#42
2,4,6-Tribromophenol
Concen: 80.003 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:330 Resp: 220489

Ion	Ratio	Lower	Upper
330	100		
332	95.9	75.9	113.9
141	37.1	26.9	40.3



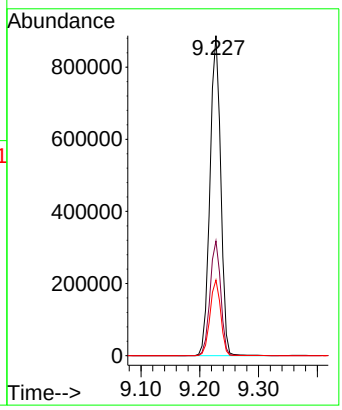


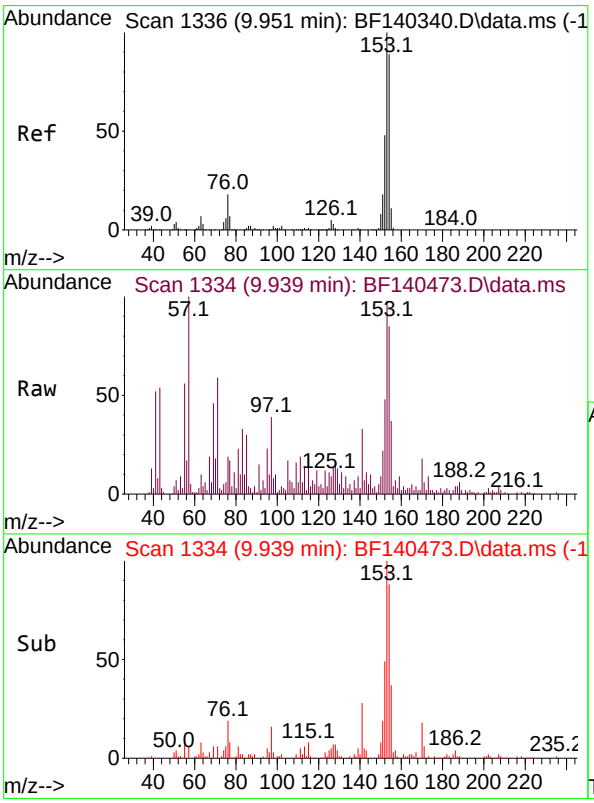
#45
2-Fluorobiphenyl
Concen: 65.205 ng
RT: 9.227 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion:172 Resp: 1124162

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.5	42.7
170	23.6	19.1	28.7

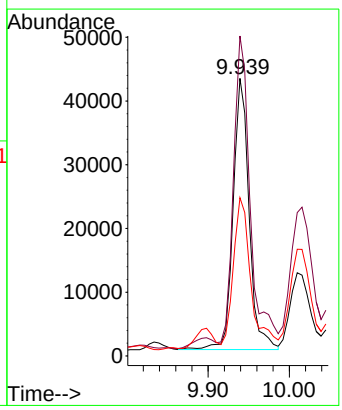


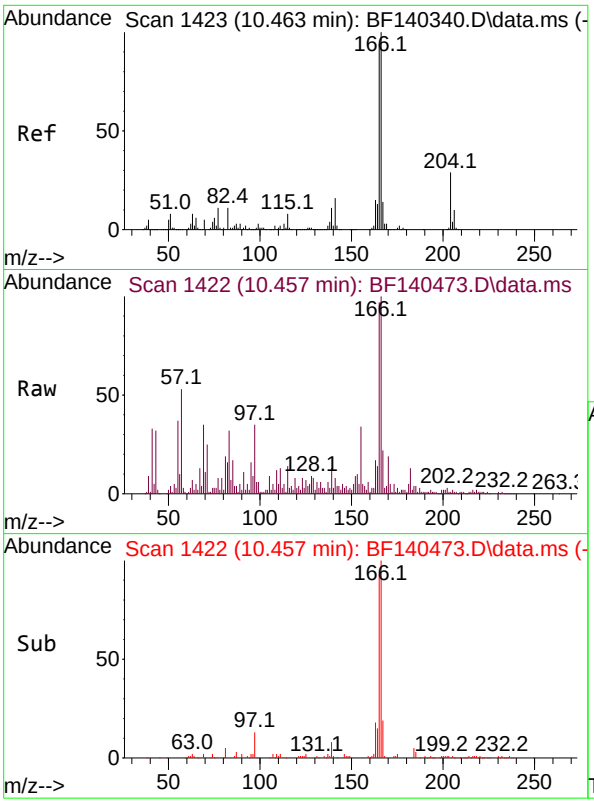


#52
Acenaphthene
Concen: 3.690 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:154 Resp: 57909

Ion	Ratio	Lower	Upper
154	100		
153	115.3	89.8	134.8
152	57.0	42.6	64.0



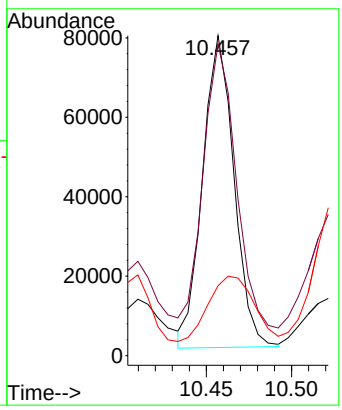


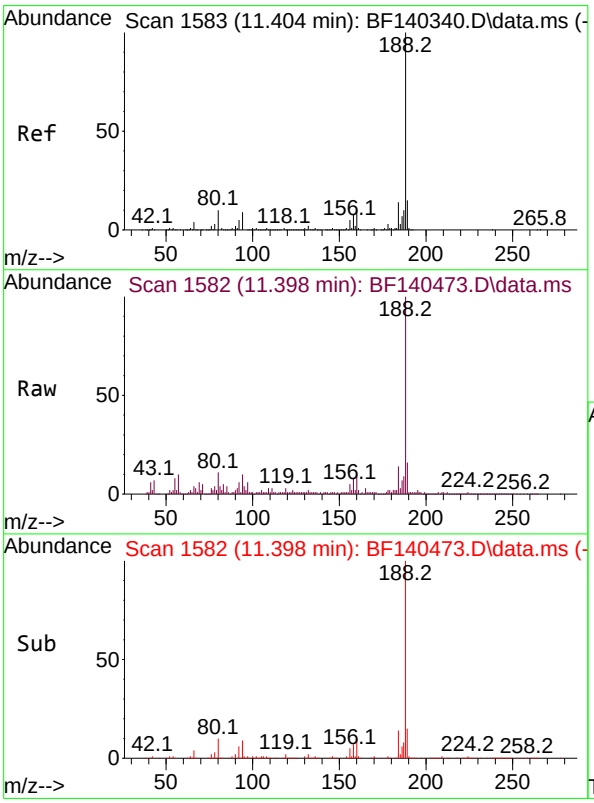
#58
Fluorene
Concen: 5.719 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion:166 Resp: 100376

Ion	Ratio	Lower	Upper
166	100		
165	97.4	73.9	110.9
167	21.8	10.9	16.3#

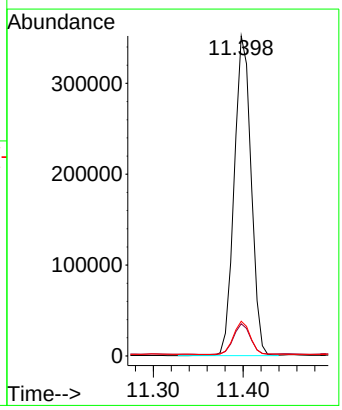


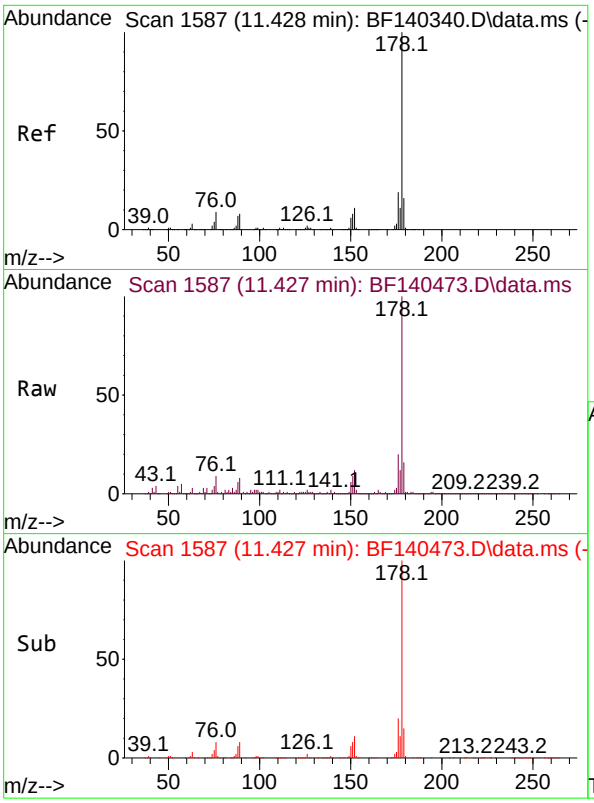


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:188 Resp: 459414

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.6	11.4
80	10.9	8.0	12.0



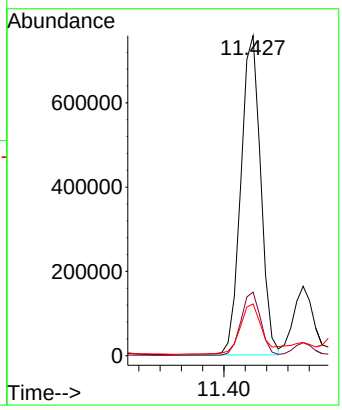


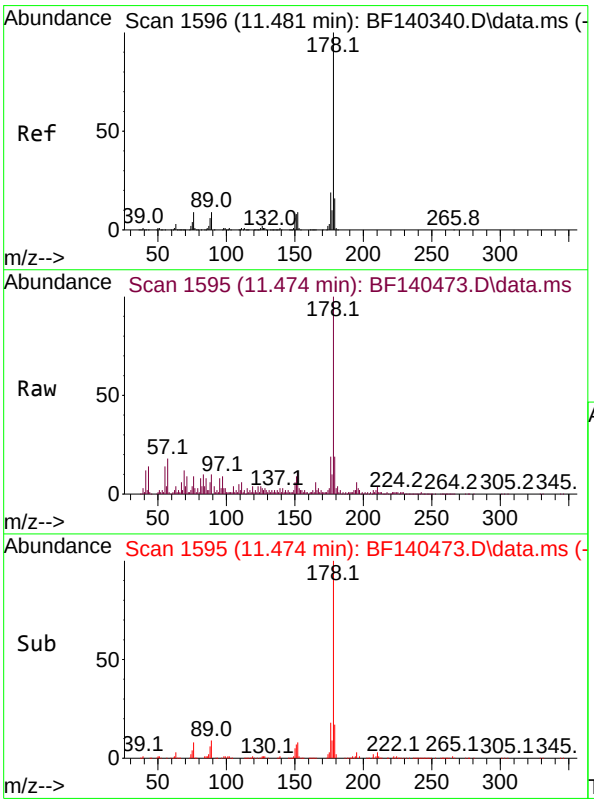
#71
Phenanthrene
Concen: 45.474 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion:178 Resp: 981374

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.5	23.3
179	16.2	12.4	18.6

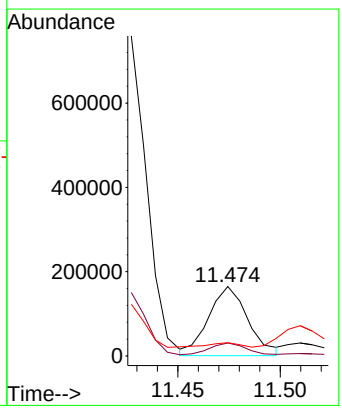


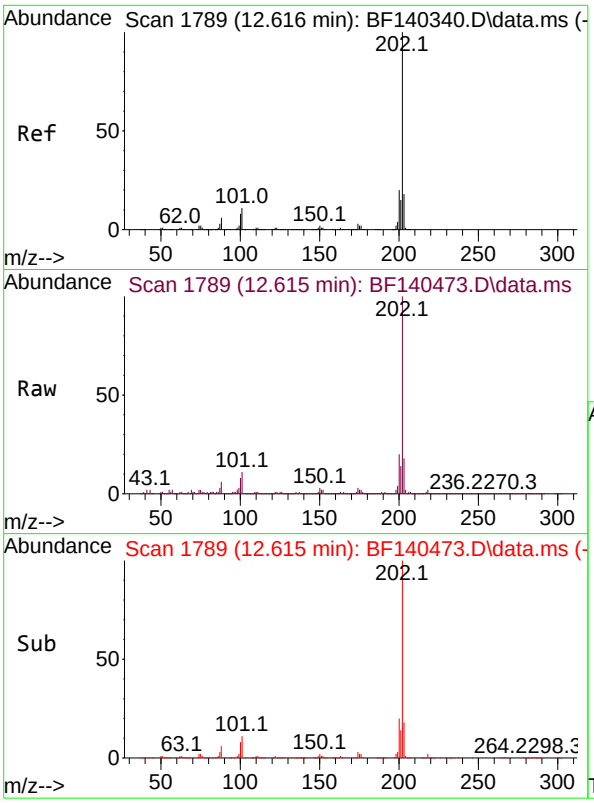


#72
Anthracene
Concen: 10.358 ng m
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:178 Resp: 219083

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	19.1	12.6	18.8#



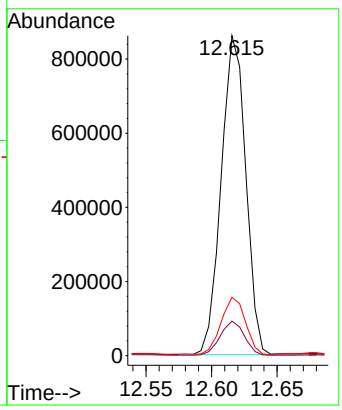


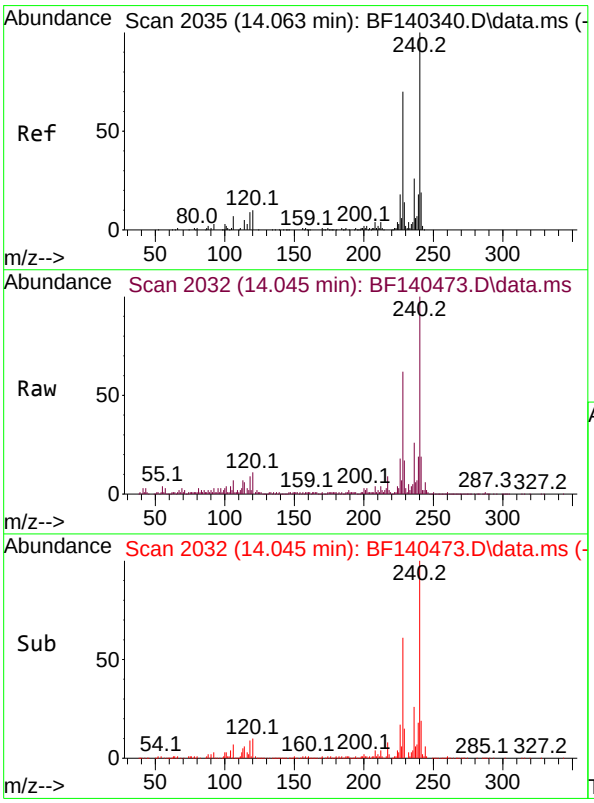
#75
Fluoranthene
Concen: 46.208 ng
RT: 12.615 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion:202 Resp: 1118801

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	30.7
203	18.3	0.0	37.7

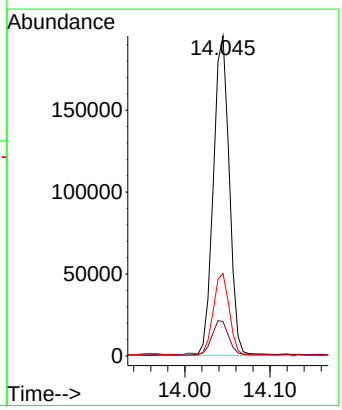


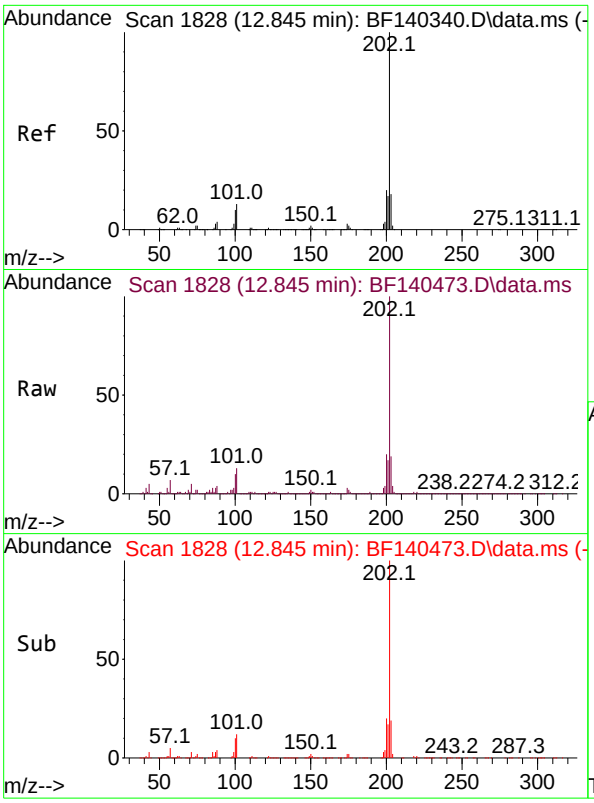


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:240 Resp: 253688

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.8	13.2
236	25.8	20.9	31.3



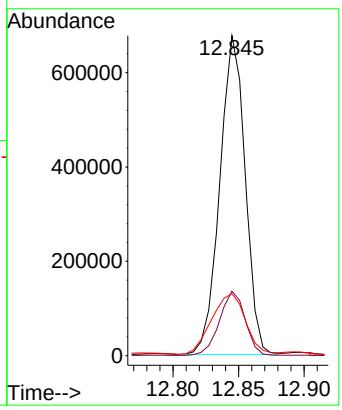


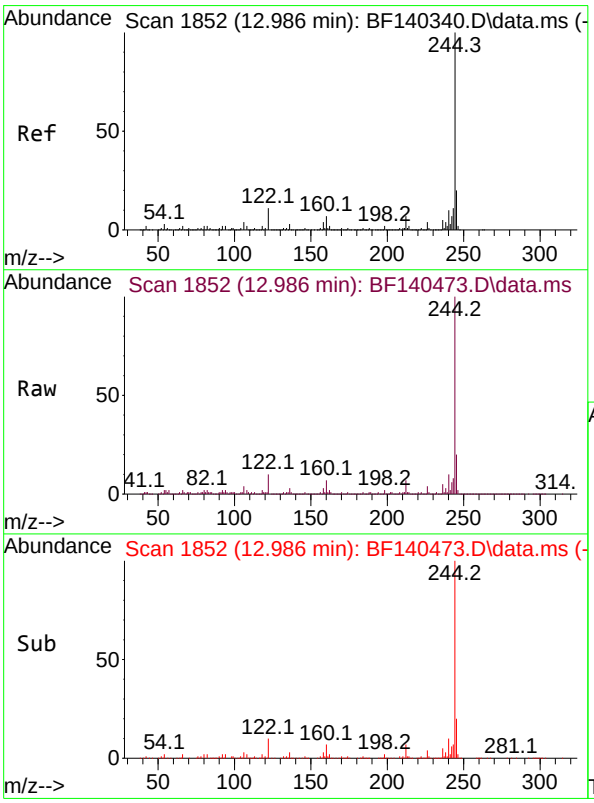
#78
Pyrene
Concen: 41.882 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion:202 Resp: 908827

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.2	24.2
203	19.4	14.2	21.4

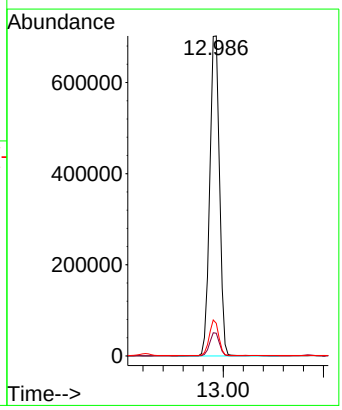


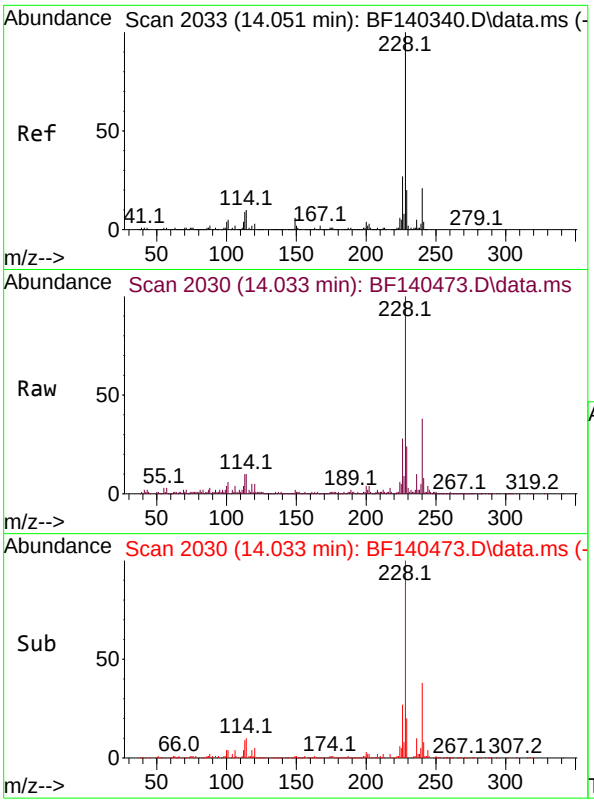


#79
Terphenyl-d14
Concen: 64.737 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.000 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:244 Resp: 946135

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	10.2	8.8	13.2



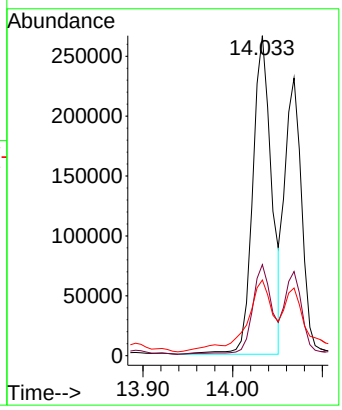


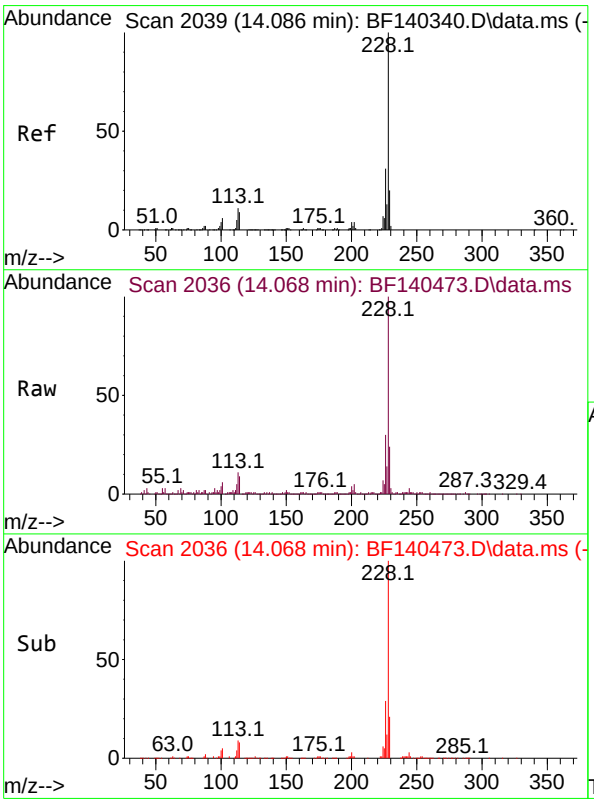
#81
Benzo(a)anthracene
Concen: 23.353 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion:228 Resp: 389369

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.2	33.4
229	23.7	15.8	23.6#

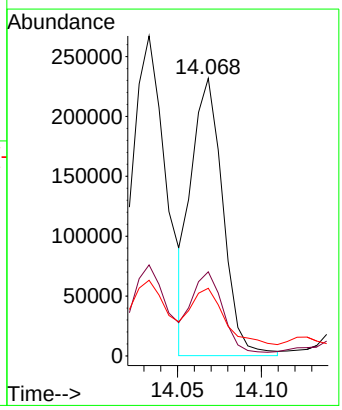


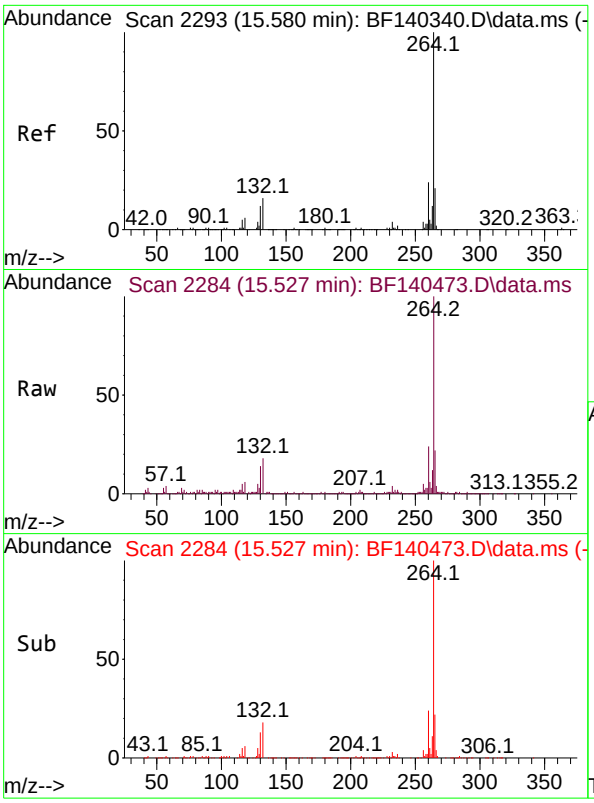


#83
Chrysene
Concen: 19.966 ng m
RT: 14.068 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:228 Resp: 303738

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.5	36.7
229	24.4	16.0	24.0#



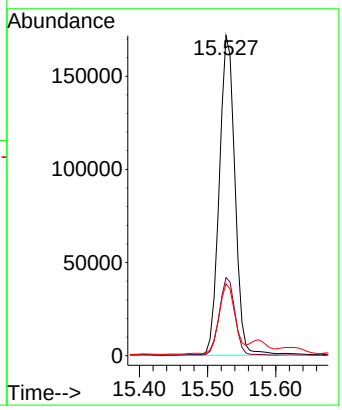


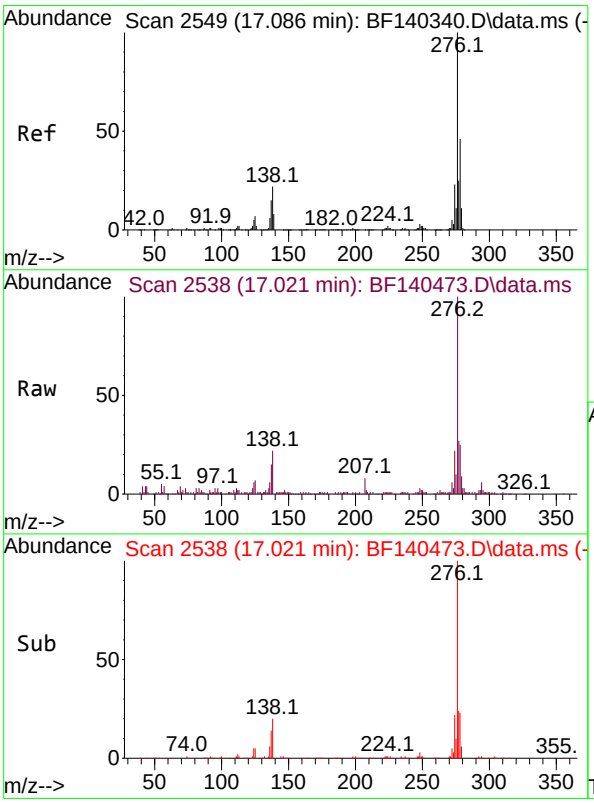
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2
Delta R.T. -0.030 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion:264 Resp: 274336

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.5	17.1	25.7

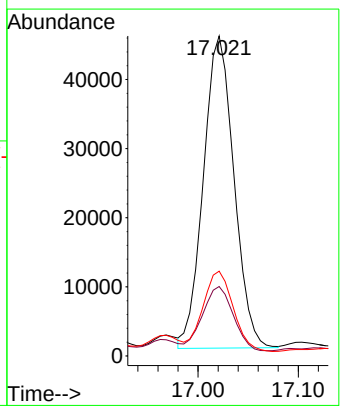


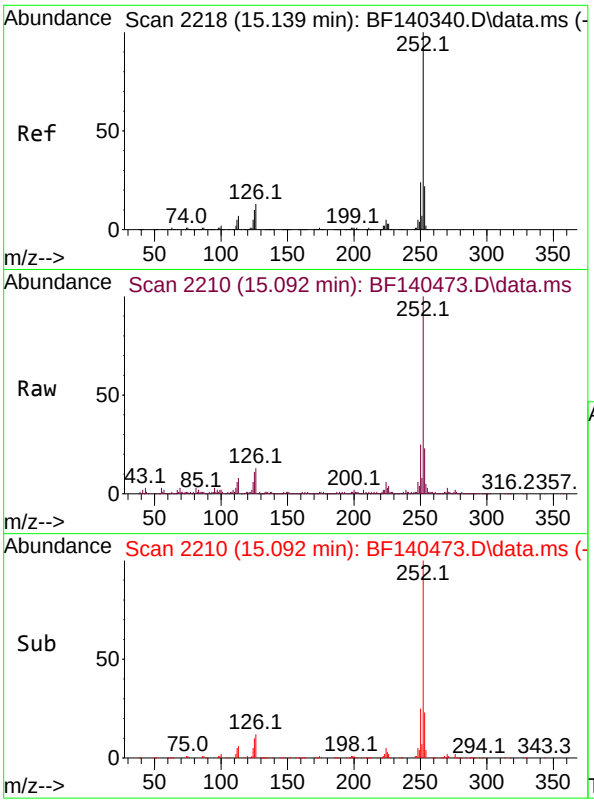


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.654 ng
RT: 17.021 min Scan# 2538
Delta R.T. -0.035 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:276 Resp: 95812

Ion	Ratio	Lower	Upper
276	100		
138	20.6	18.8	28.2
277	25.5	20.2	30.2



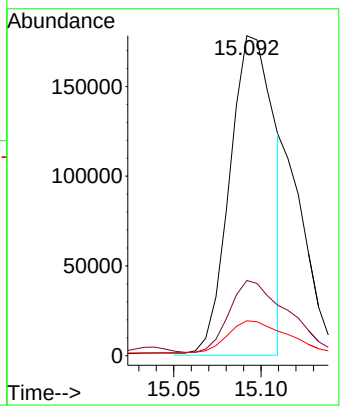


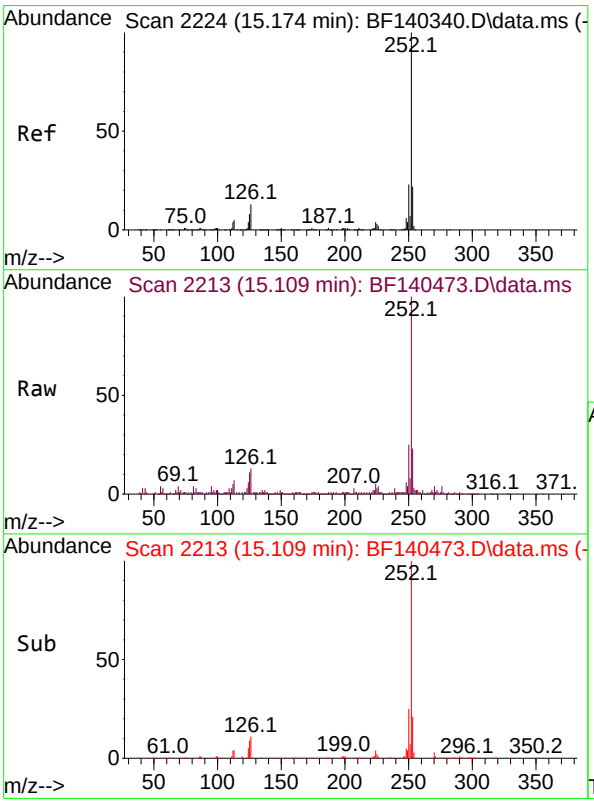
#88
Benzo(b)fluoranthene
Concen: 17.492 ng m
RT: 15.092 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion:252 Resp: 313908

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	10.9	8.0	12.0

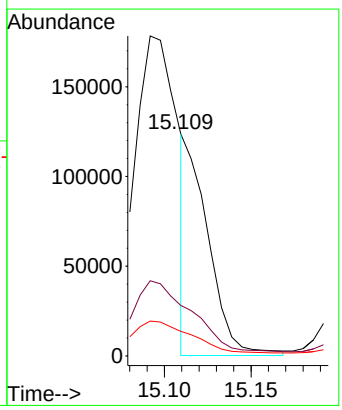


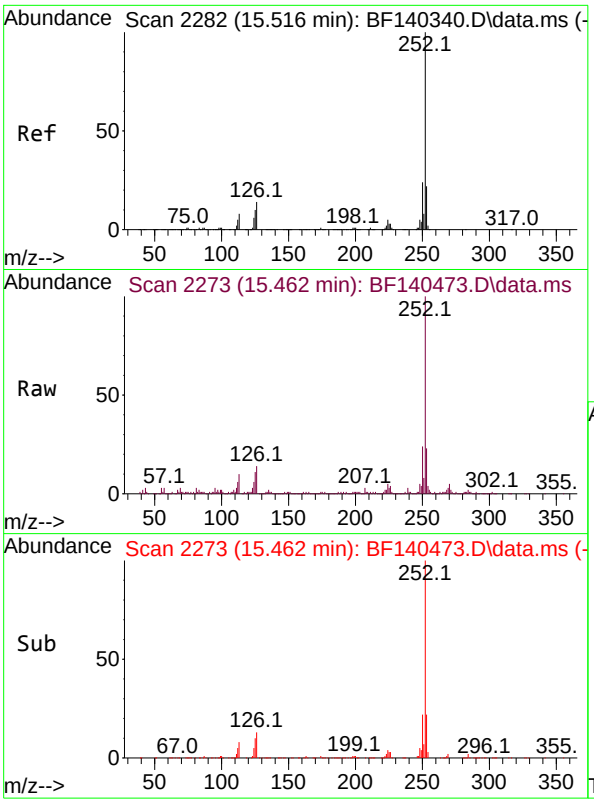


#89
Benzo(k)fluoranthene
Concen: 7.460 ng m
RT: 15.109 min Scan# 2213
Delta R.T. -0.041 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:252 Resp: 109362

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	11.1	7.4	11.2



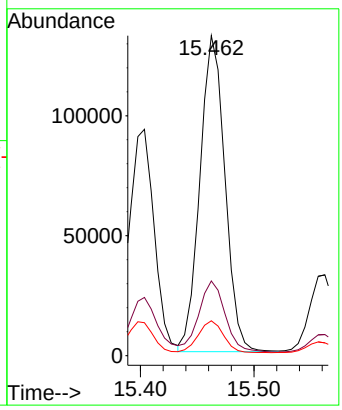


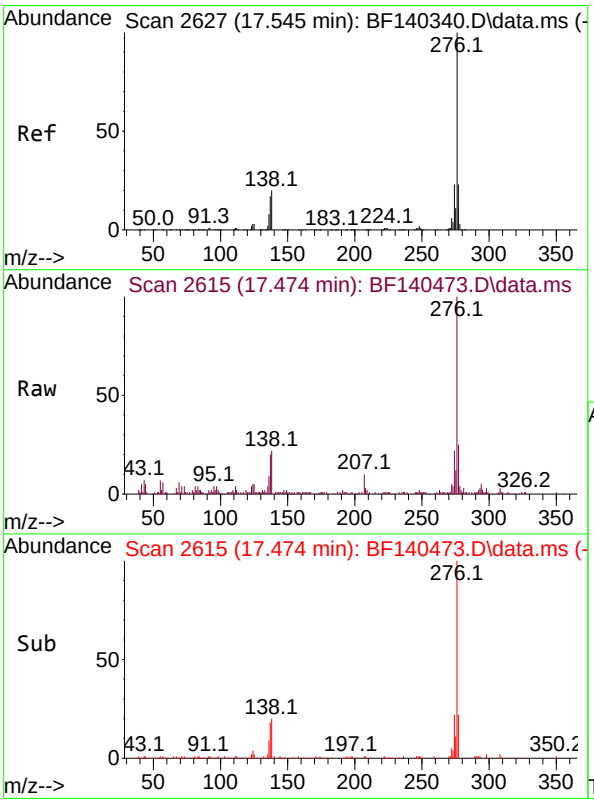
#90
Benzo(a)pyrene
Concen: 14.485 ng
RT: 15.462 min Scan# 2
Delta R.T. -0.030 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Instrument :
BNA_F
ClientSampleId :
P-1

Tgt Ion:252 Resp: 201869

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	10.9	8.4	12.6





#92
Benzo(g,h,i)perylene
Concen: 6.074 ng
RT: 17.474 min Scan# 2615
Delta R.T. -0.041 min
Lab File: BF140473.D
Acq: 19 Nov 2024 15:06

Tgt Ion:276 Resp: 86981

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	22.0	16.0	24.0