Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110824\
Data File : BF140297.D
Acq On : 08 Nov 2024 14:32
Operator : RC/JU
Sample : P4739-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BP-G2

Quant Time: Nov 08 15:04:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.875	152	101921	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	352375	20.000	ng	#	0.00
39) Acenaphthene-d10	9.922	164	170859	20.000	ng		0.00
64) Phenanthrene-d10	11.422	188	253085	20.000	ng	#	0.01
76) Chrysene-d12	14.074	240	228504	20.000	ng	#	0.01
86) Perylene-d12	15.580	264	197243	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	588529	95.693	ng		0.00
7) Phenol-d6	6.498	99	745074	94.187	ng		0.00
23) Nitrobenzene-d5	7.434	82	496255	70.019	ng		-0.01
42) 2,4,6-Tribromophenol	10.716	330	157074	93.006	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	778443	72.751	ng		0.00
79) Terphenyl-d14	13.010	244	742177	53.206	ng		0.01
Target Compounds							Qvalue
37) 2-Methylnaphthalene	8.875	142	37792	3.182	ng		96
38) 1-Methylnaphthalene	8.975	142	29803	2.560	ng		90
71) Phenanthrene	11.445	178	154118	12.760	ng	#	83
75) Fluoranthene	12.645	202	70632	5.593	ng		70
78) Pyrene	12.874	202	116822	6.192	ng	#	80
81) Benzo(a)anthracene	14.063	228	61715	4.209	ng	#	51
83) Chrysene	14.098	228	65728	4.786	ng	#	63

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

Quantitation Report (LSC Reviewed)

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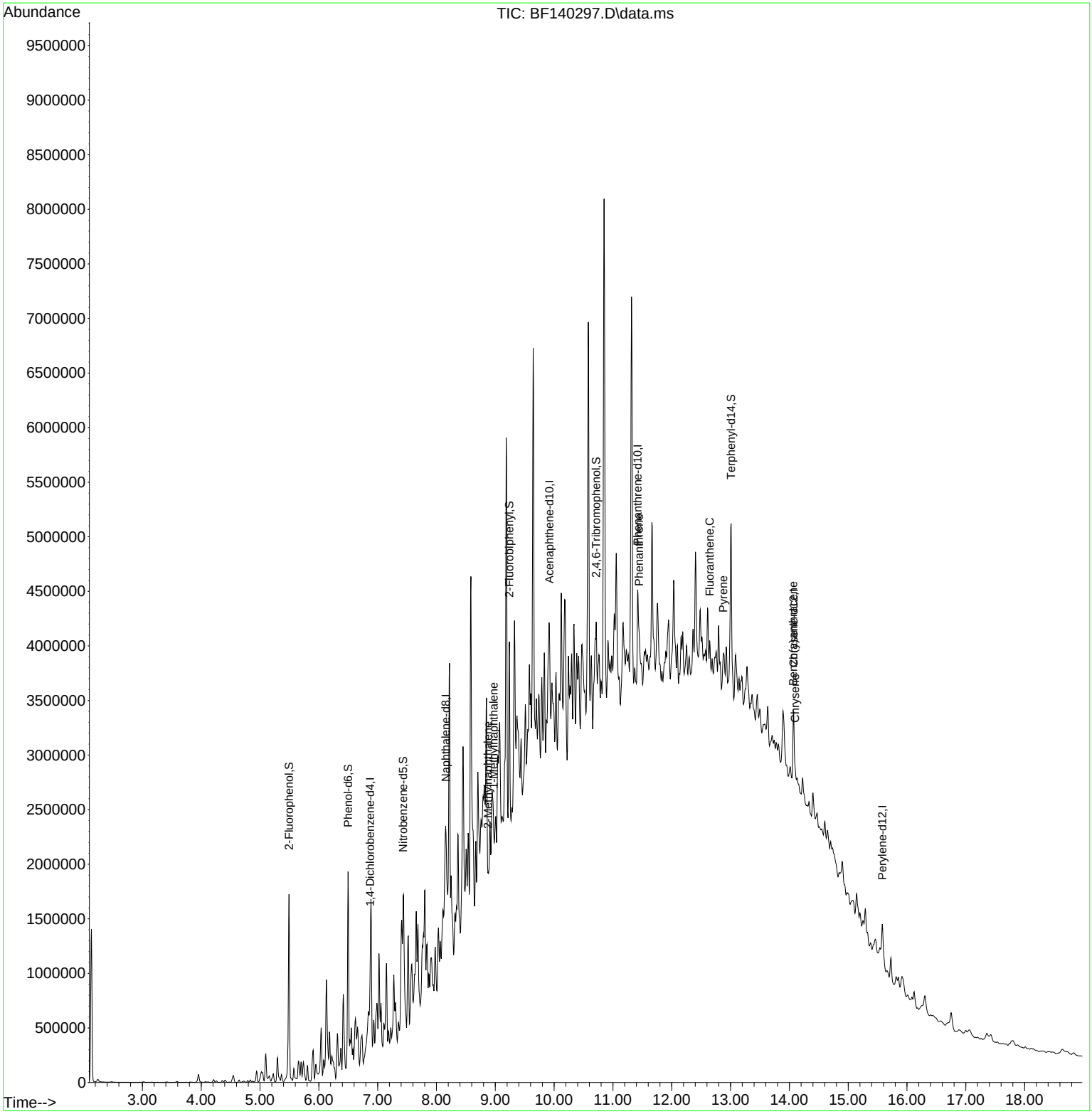
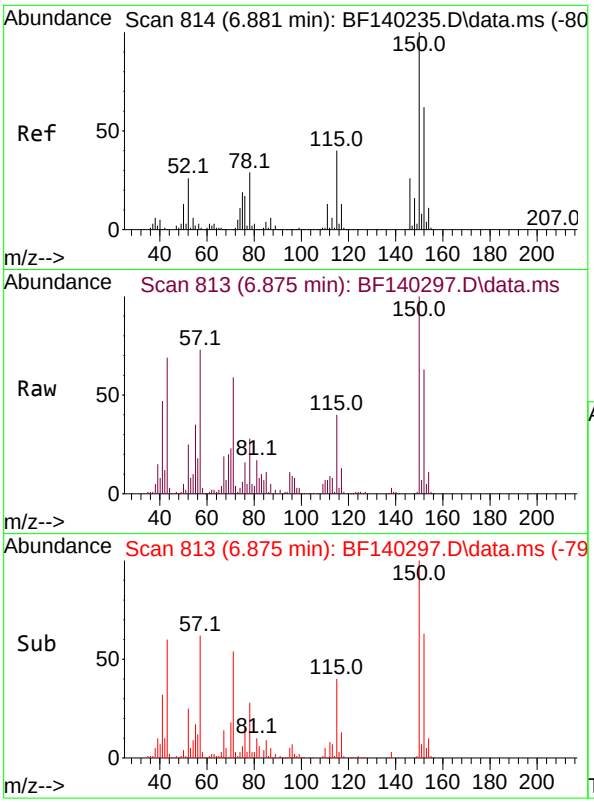


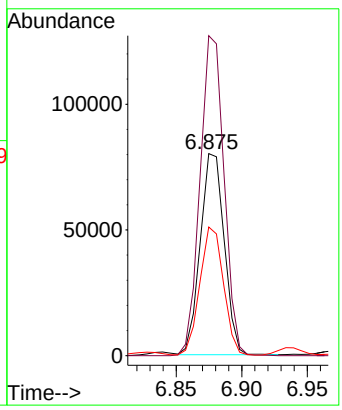


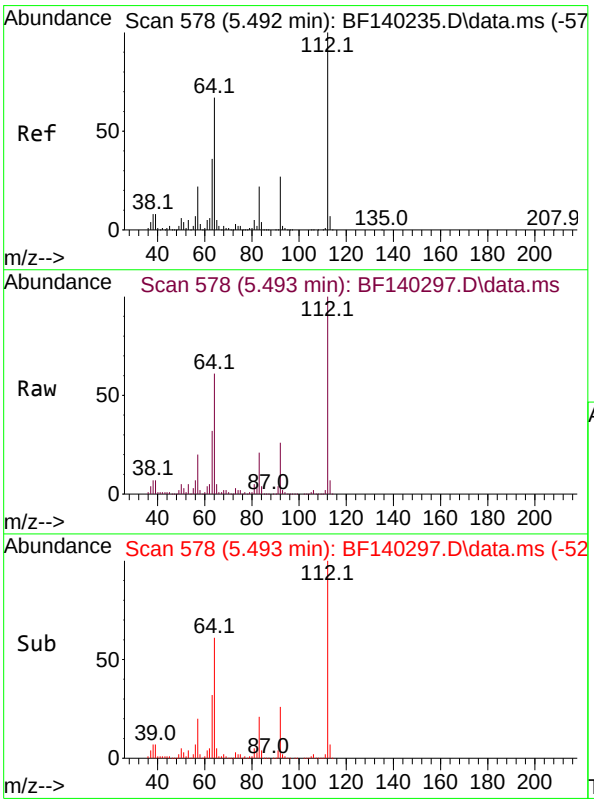
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Instrument :
BNA_F
ClientSampleId :
BP-G2

Tgt Ion:152 Resp: 101921

Ion	Ratio	Lower	Upper
152	100		
150	158.3	129.4	194.2
115	63.6	51.5	77.3

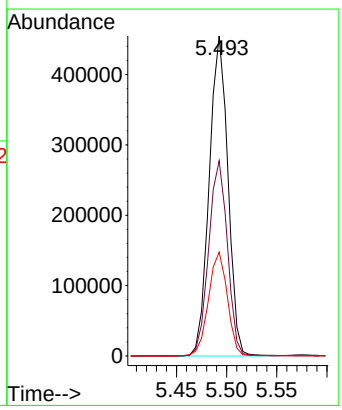


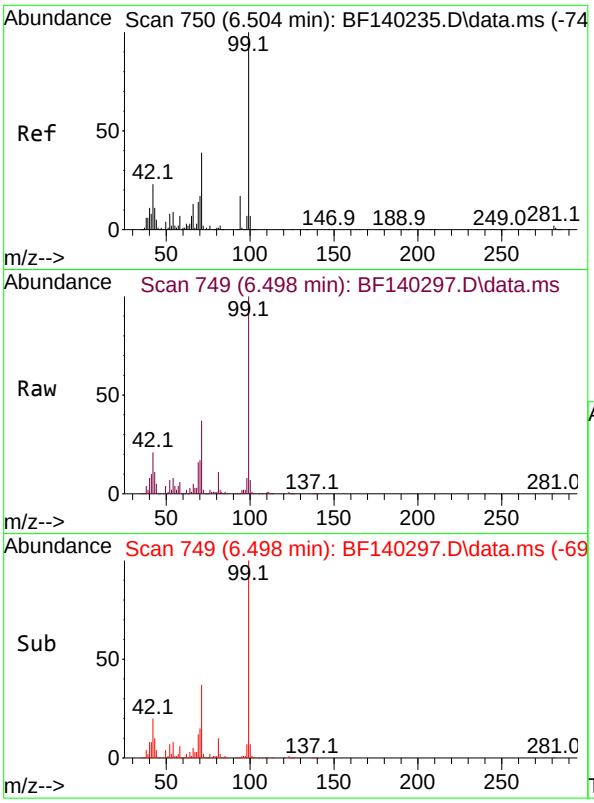


#5
2-Fluorophenol
Concen: 95.693 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Tgt Ion:112 Resp: 588529

Ion	Ratio	Lower	Upper
112	100		
64	61.0	53.4	80.2
63	32.4	28.9	43.3



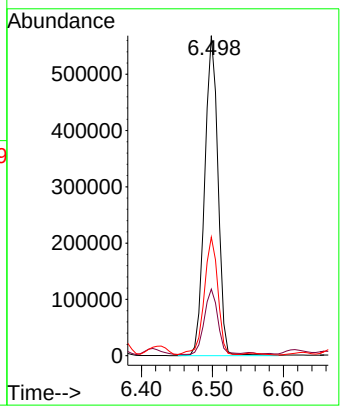


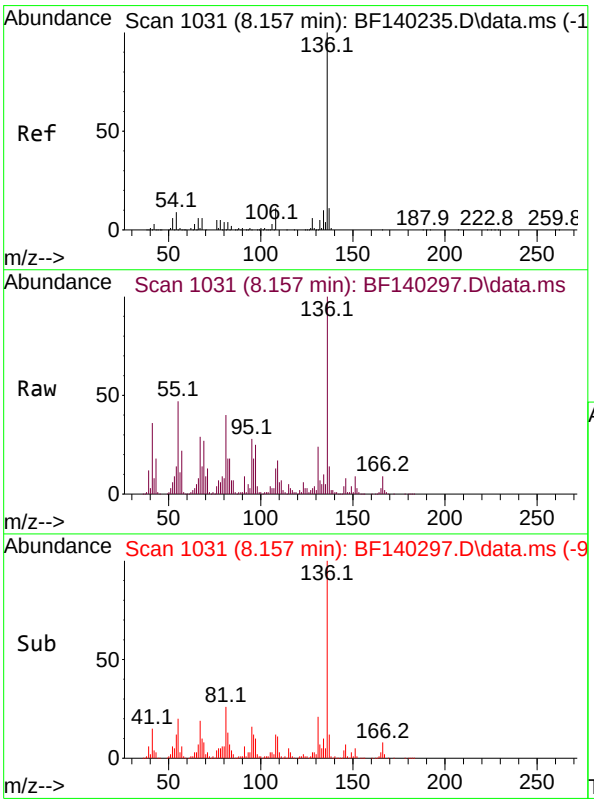
#7
Phenol-d6
Concen: 94.187 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Instrument :
BNA_F
ClientSampleId :
BP-G2

Tgt Ion: 99 Resp: 745074

Ion	Ratio	Lower	Upper
99	100		
42	20.8	18.2	27.2
71	37.0	30.9	46.3

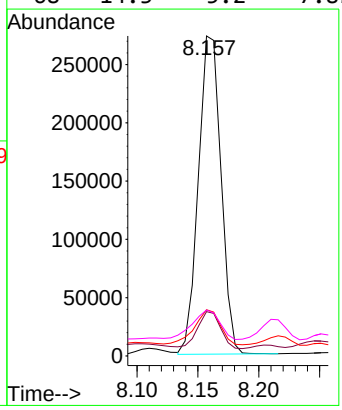


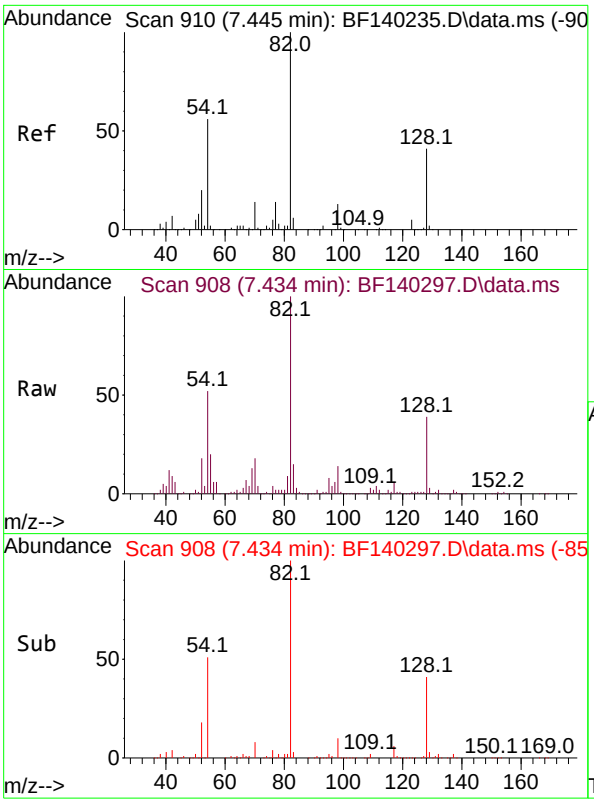


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Tgt Ion:136 Resp: 352375

Ion	Ratio	Lower	Upper
136	100		
137	13.9	9.0	13.6#
54	14.5	7.7	11.5#
68	14.3	5.2	7.8#



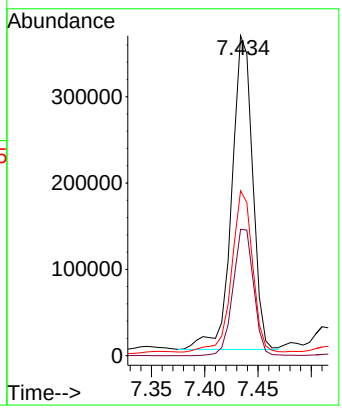


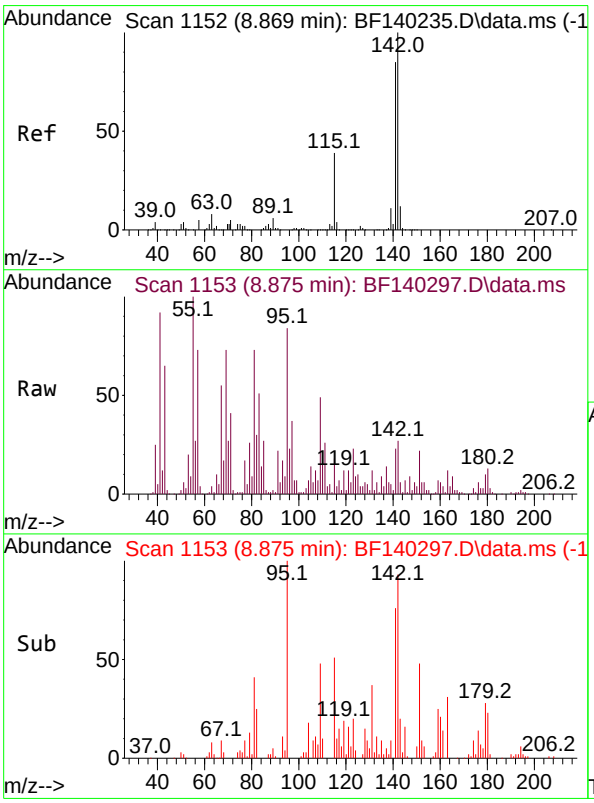
#23
Nitrobenzene-d5
Concen: 70.019 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Instrument :
BNA_F
ClientSampleId :
BP-G2

Tgt Ion: 82 Resp: 496255

Ion	Ratio	Lower	Upper
82	100		
128	39.5	32.8	49.2
54	51.6	44.3	66.5

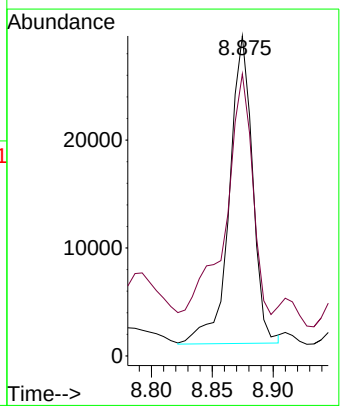


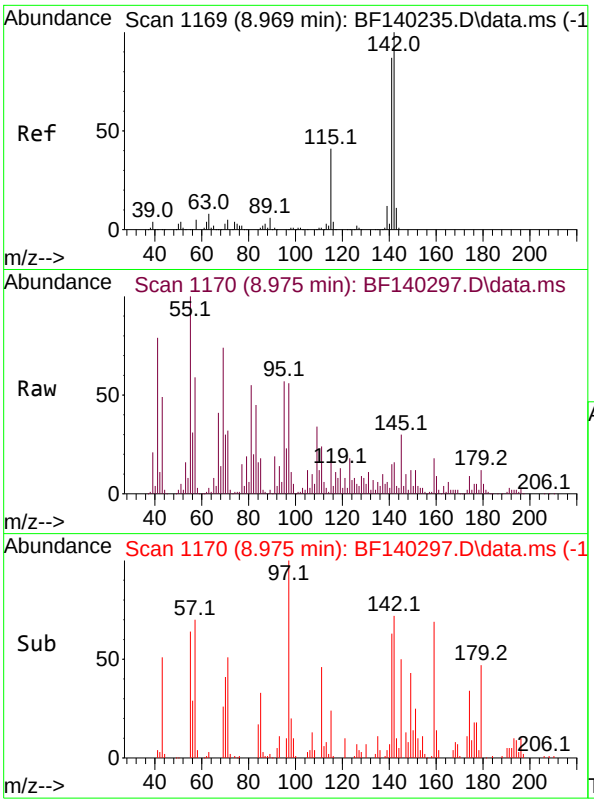


#37
2-Methylnaphthalene
Concen: 3.182 ng
RT: 8.875 min Scan# 1153
Delta R.T. 0.006 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Tgt Ion:142 Resp: 37792

Ion	Ratio	Lower	Upper
142	100		
141	88.2	67.8	101.8



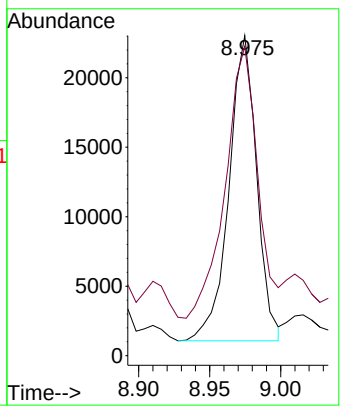


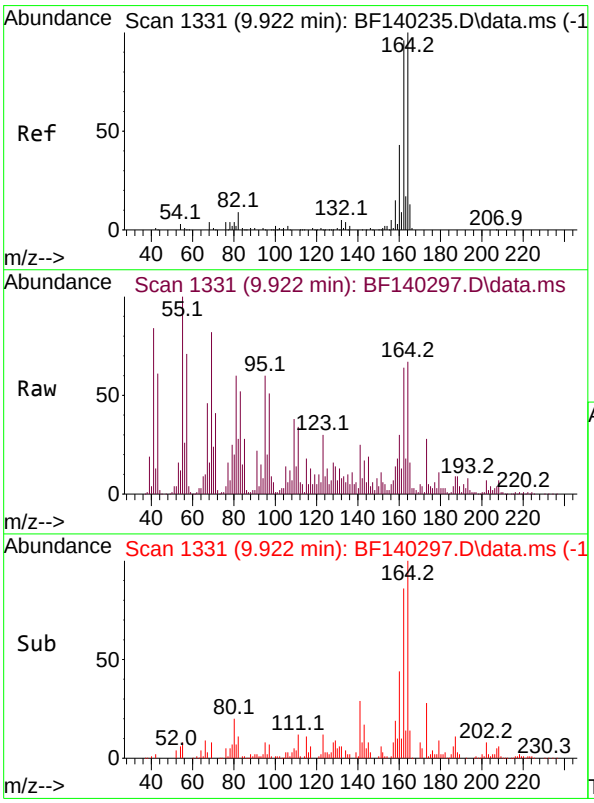
#38
1-Methylnaphthalene
Concen: 2.560 ng
RT: 8.975 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Instrument :
BNA_F
ClientSampleId :
BP-G2

Tgt Ion:142 Resp: 29803

Ion	Ratio	Lower	Upper
142	100		
141	96.6	69.7	104.5

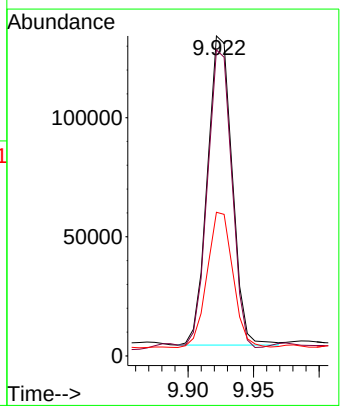


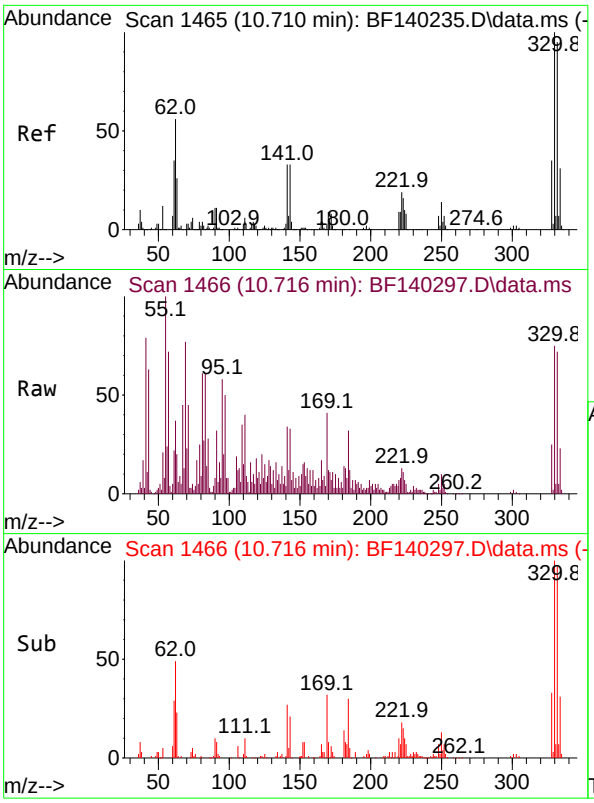


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Tgt Ion:164 Resp: 170859

Ion	Ratio	Lower	Upper
164	100		
162	95.7	77.0	115.4
160	44.9	34.1	51.1



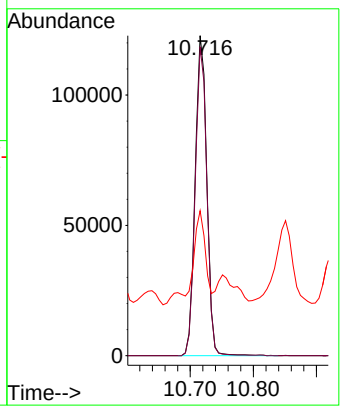


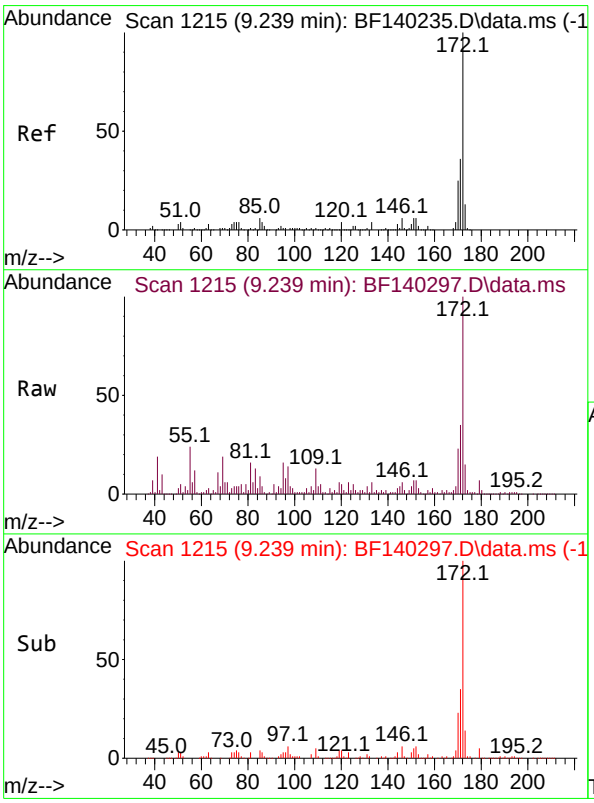
#42
2,4,6-Tribromophenol
Concen: 93.006 ng
RT: 10.716 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Instrument :
BNA_F
ClientSampleId :
BP-G2

Tgt Ion:330 Resp: 157074

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.4	114.6
141	23.1	27.0	40.4#

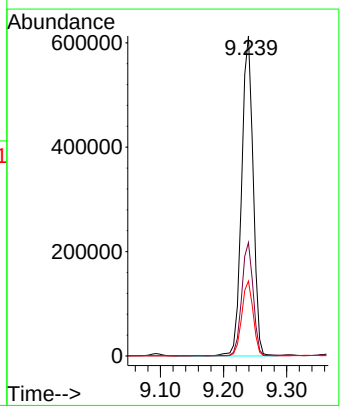


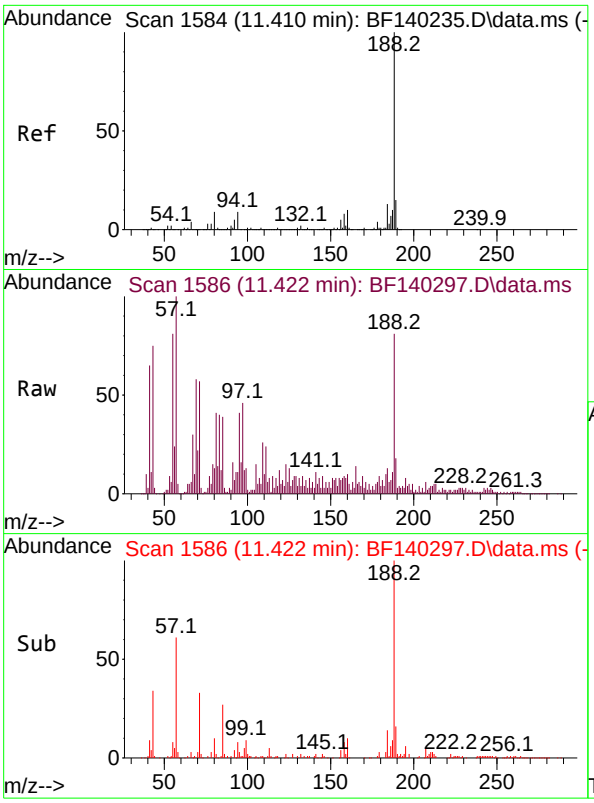


#45
2-Fluorobiphenyl
Concen: 72.751 ng
RT: 9.239 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Tgt Ion:172 Resp: 778443

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.4	19.6	29.4



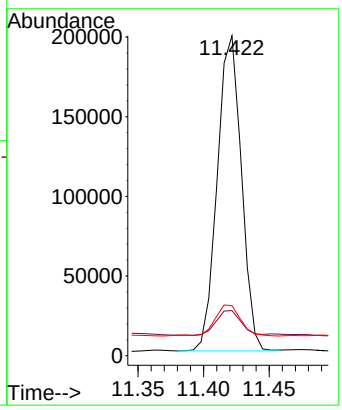


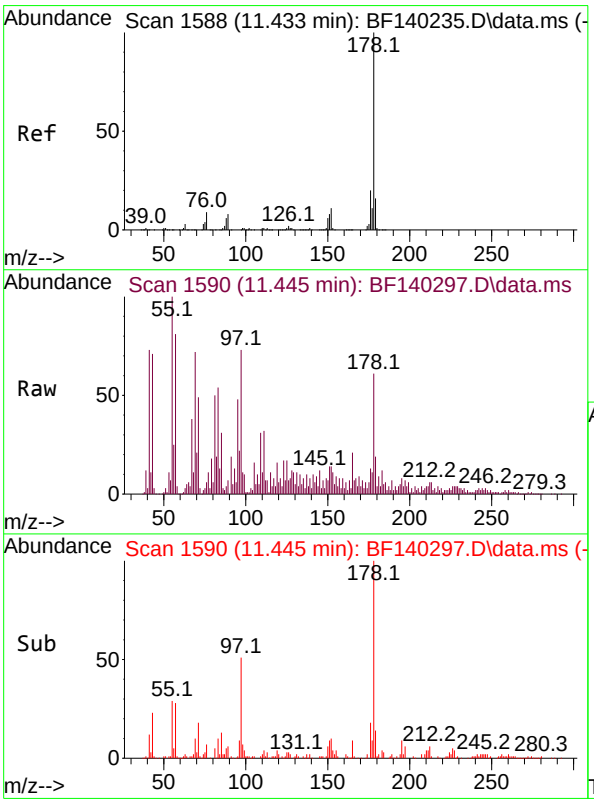
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Instrument :
BNA_F
ClientSampleId :
BP-G2

Tgt Ion:188 Resp: 253085

Ion	Ratio	Lower	Upper
188	100		
94	14.1	6.9	10.3#
80	15.6	7.5	11.3#

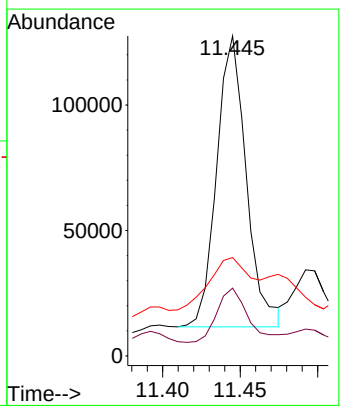


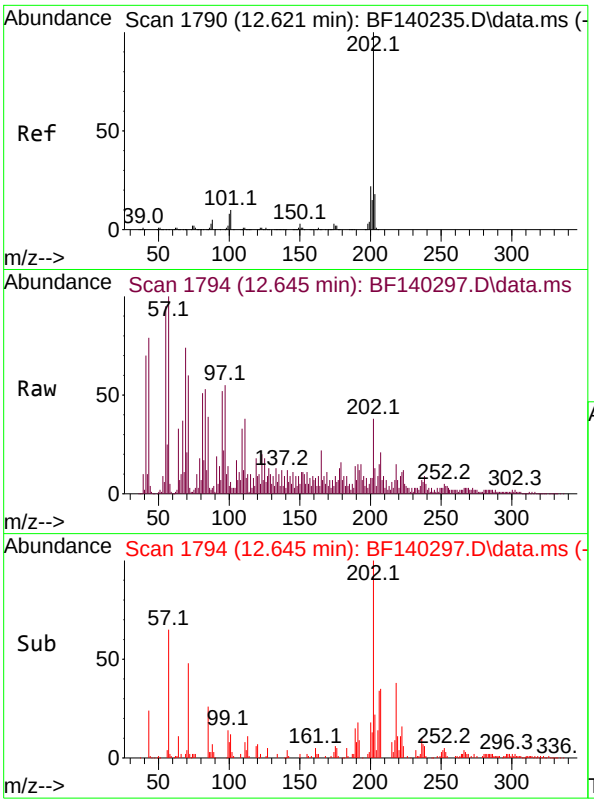


#71
Phenanthrene
Concen: 12.760 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.012 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Tgt Ion:178 Resp: 154118

Ion	Ratio	Lower	Upper
178	100		
176	21.2	15.9	23.9
179	30.8	12.6	18.8#



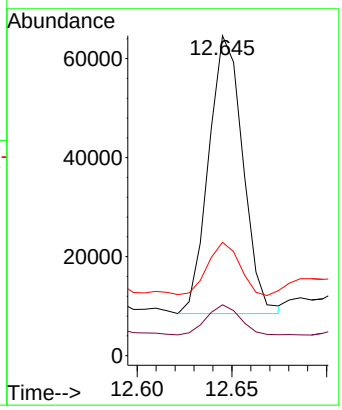


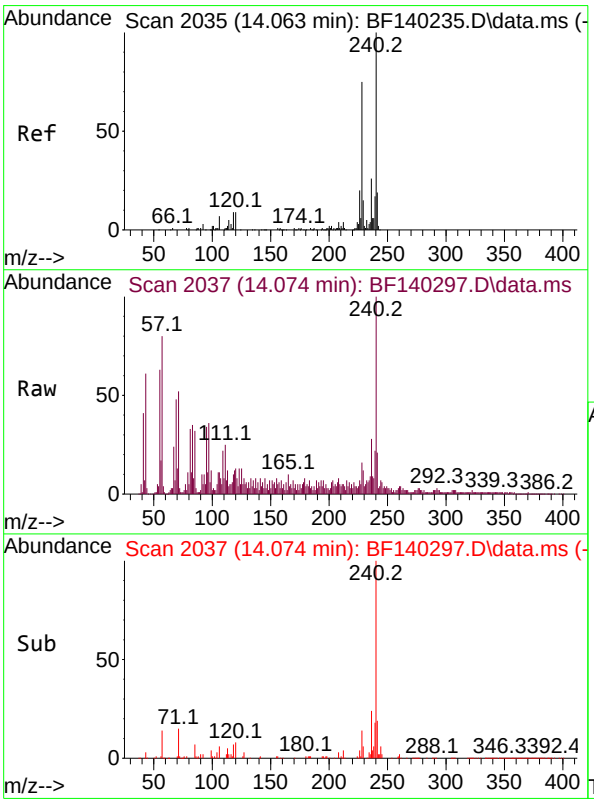
#75
Fluoranthene
Concen: 5.593 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.024 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Instrument :
BNA_F
ClientSampleId :
BP-G2

Tgt Ion:202 Resp: 70632

Ion	Ratio	Lower	Upper
202	100		
101	15.9	0.0	30.4
203	35.4	0.0	38.0

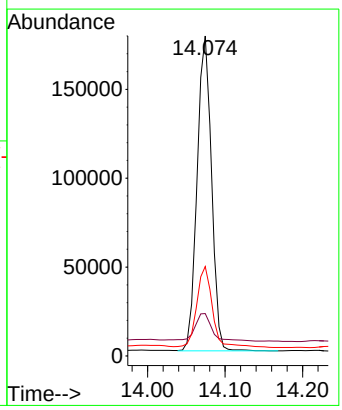


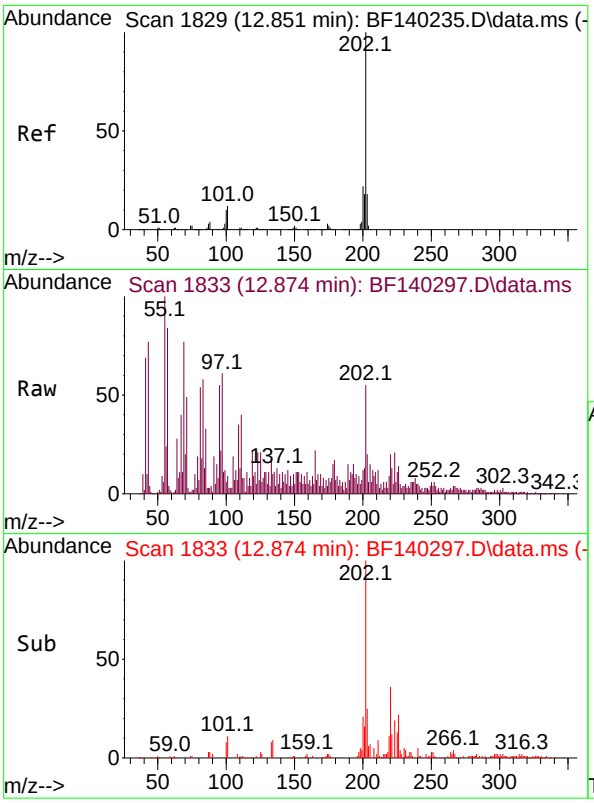


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2037
Delta R.T. 0.012 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Tgt Ion:240 Resp: 228504

Ion	Ratio	Lower	Upper
240	100		
120	13.2	7.5	11.3#
236	28.0	20.9	31.3



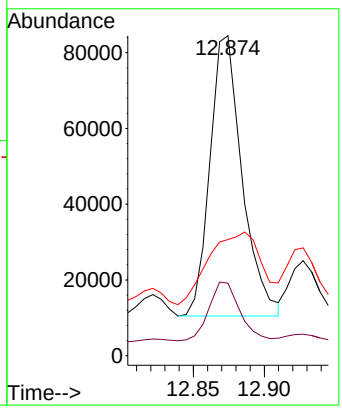


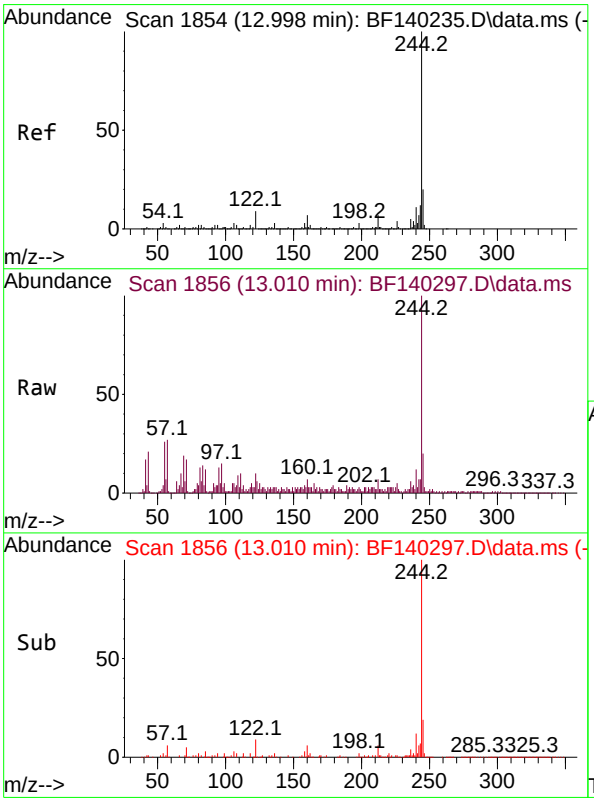
#78
Pyrene
Concen: 6.192 ng
RT: 12.874 min Scan# 1
Delta R.T. 0.024 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Instrument :
BNA_F
ClientSampleId :
BP-G2

Tgt Ion:202 Resp: 116822

Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.5	26.3
203	36.3	14.4	21.6#

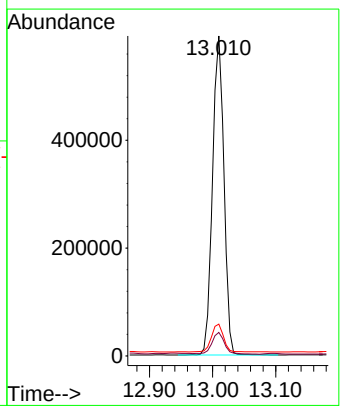


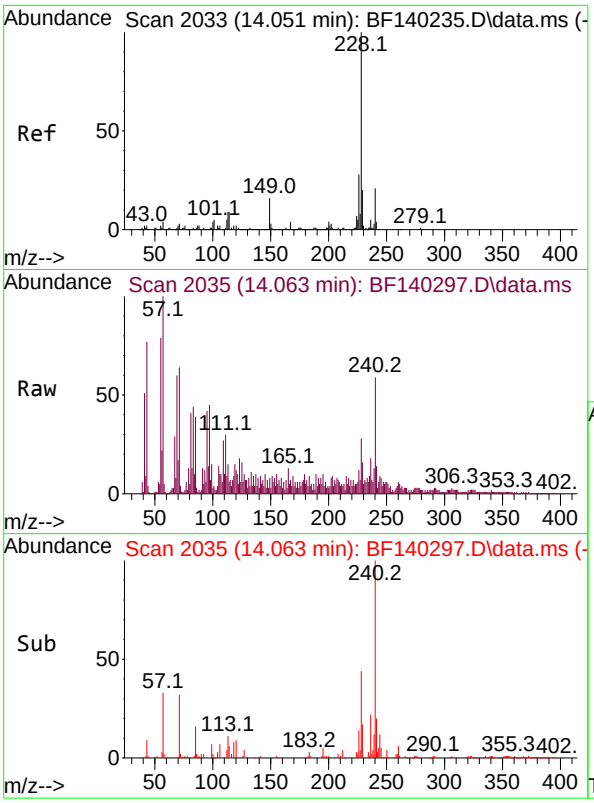


#79
Terphenyl-d14
Concen: 53.206 ng
RT: 13.010 min Scan# 1856
Delta R.T. 0.012 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Tgt Ion:244 Resp: 742177

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	9.9	7.6	11.4



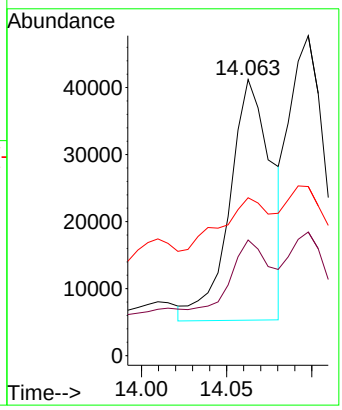


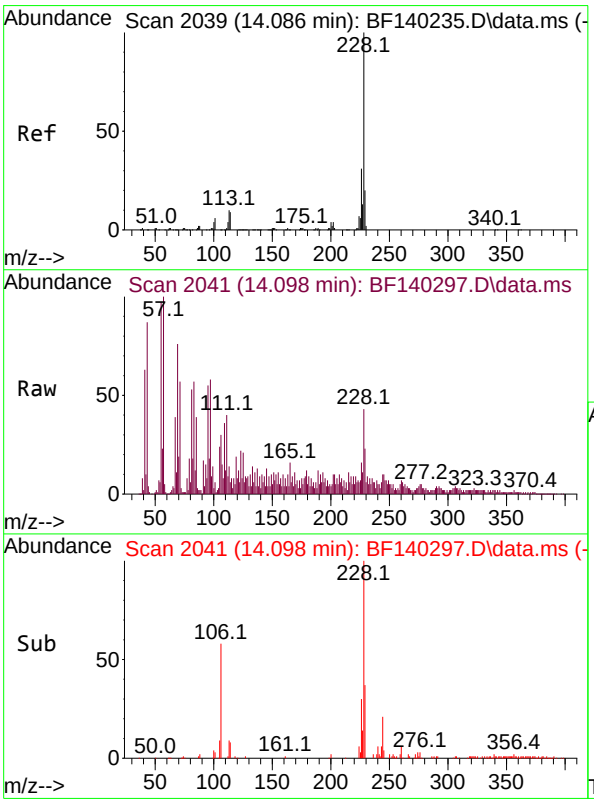
#81
Benzo(a)anthracene
Concen: 4.209 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Instrument :
BNA_F
ClientSampleId :
BP-G2

Tgt Ion:228 Resp: 61715

Ion	Ratio	Lower	Upper
228	100		
226	41.9	22.3	33.5#
229	57.2	16.1	24.1#

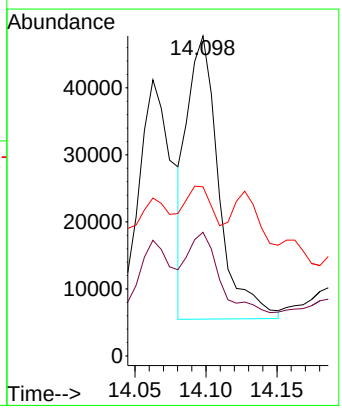


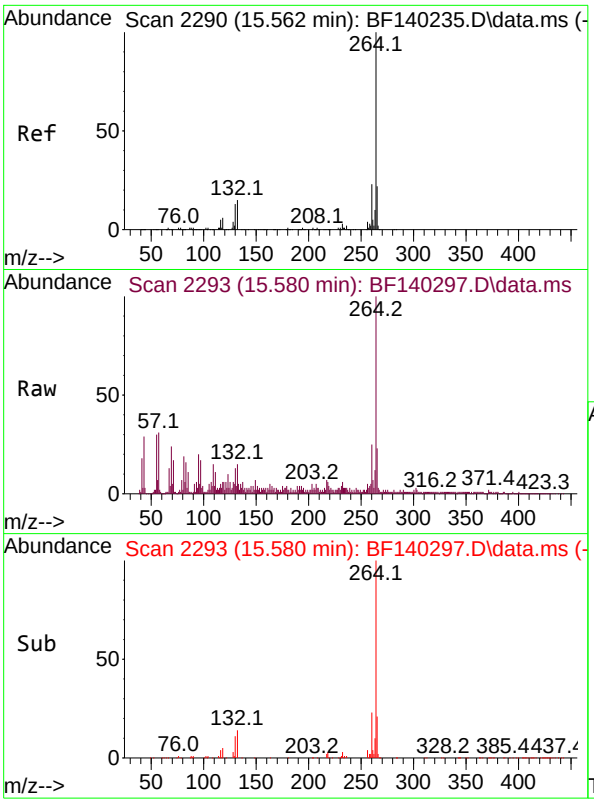


#83
Chrysene
Concen: 4.786 ng
RT: 14.098 min Scan# 2041
Delta R.T. 0.012 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Tgt Ion:228 Resp: 65728

Ion	Ratio	Lower	Upper
228	100		
226	38.7	24.6	36.8#
229	52.8	16.1	24.1#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF140297.D
Acq: 08 Nov 2024 14:32

Instrument :
BNA_F
ClientSampleId :
BP-G2

Tgt Ion:264 Resp: 197243

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.8	28.2
265	22.8	17.3	25.9