Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121324\
Data File : BF140848.D
Acq On : 13 Dec 2024 17:02
Operator : RC/JU
Sample : P5270-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW14-20241212

Quant Time: Dec 13 18:28:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	31924	20.000	ng	-0.02
21) Naphthalene-d8	8.151	136	115203	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	70675	20.000	ng	-0.02
64) Phenanthrene-d10	11.386	188	139100	20.000	ng	-0.02
76) Chrysene-d12	14.039	240	105278	20.000	ng	-0.01
86) Perylene-d12	15.545	264	102733	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	119181	63.697	ng	0.00
7) Phenol-d6	6.510	99	91614	37.037	ng	0.00
23) Nitrobenzene-d5	7.428	82	215829	95.828	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	116439	154.045	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	457390	96.425	ng	-0.02
79) Terphenyl-d14	12.969	244	543863	80.441	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.187	128	8579608	1445.847	ng	96
37) 2-Methylnaphthalene	8.863	142	1532053	406.487	ng	100
38) 1-Methylnaphthalene	8.963	142	1646046	445.554	ng	100
46) 1,1'-Biphenyl	9.316	154	107186	20.313	ng	98
52) Acenaphthene	9.928	154	373609	97.333	ng	99
58) Fluorene	10.445	166	142800	30.386	ng	97
71) Phenanthrene	11.410	178	344577	51.534	ng	99
72) Anthracene	11.463	178	67794	10.365	ng	99
75) Fluoranthene	12.604	202	21273	2.930	ng	99
78) Pyrene	12.839	202	40205	4.130	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121324\
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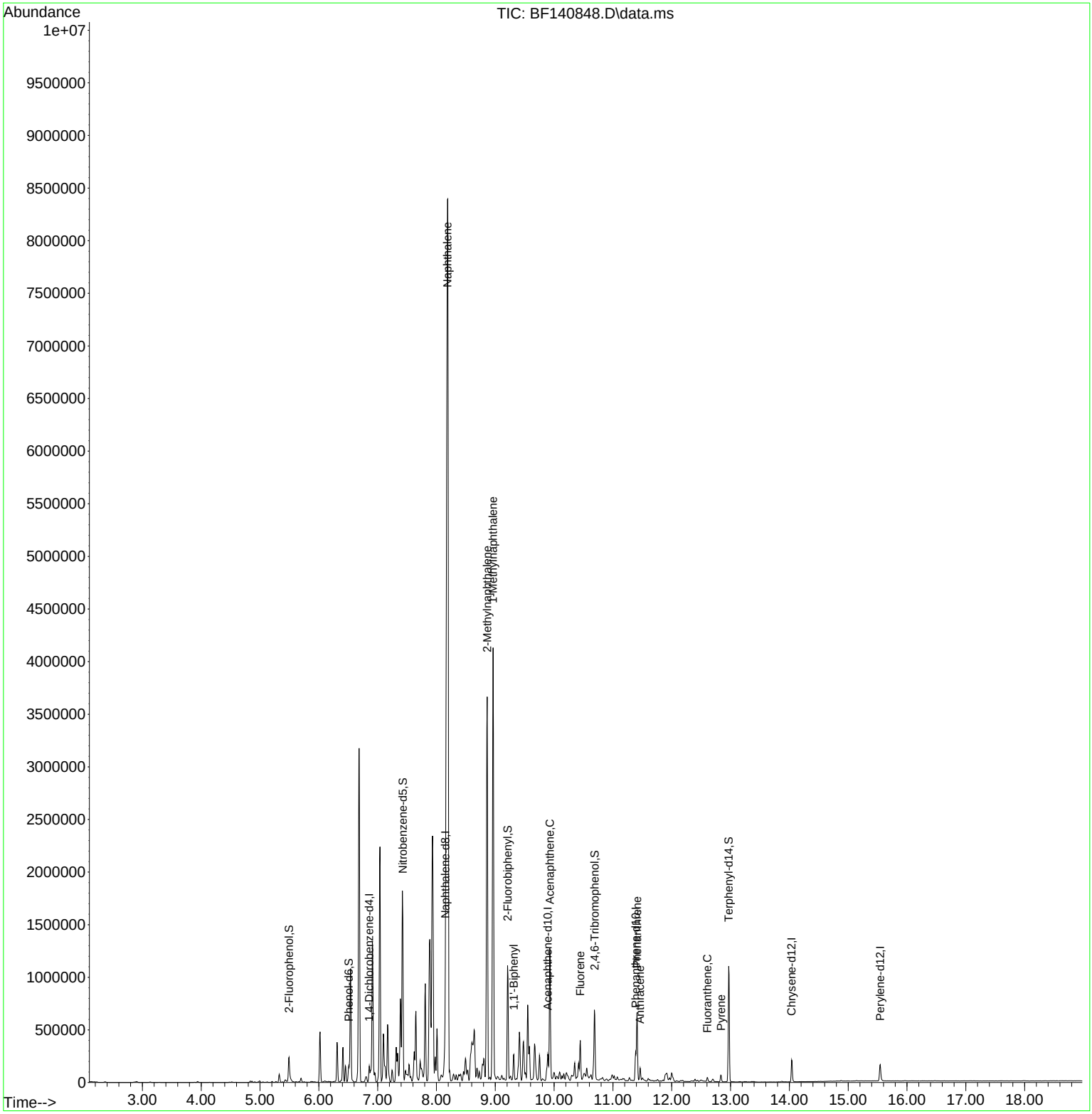
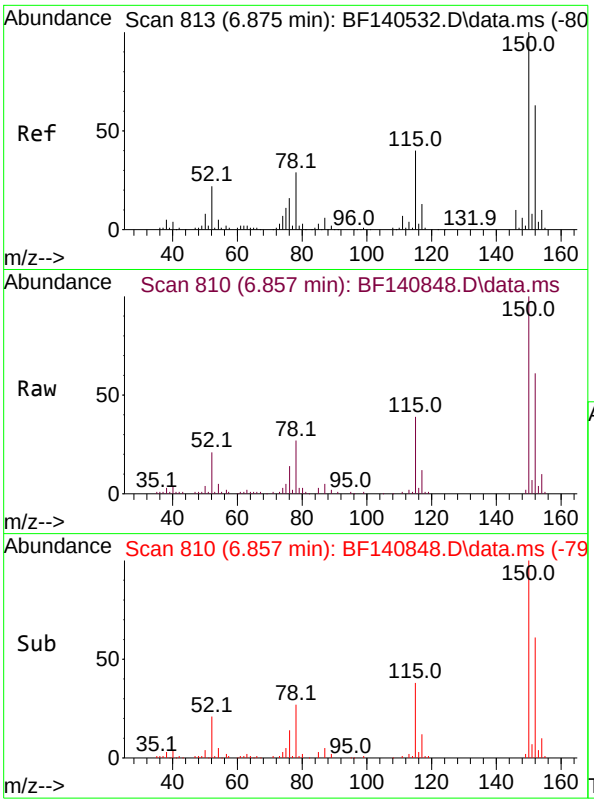
Sample : P5270-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW14-20241212

Quant Time: Dec 13 18:28:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



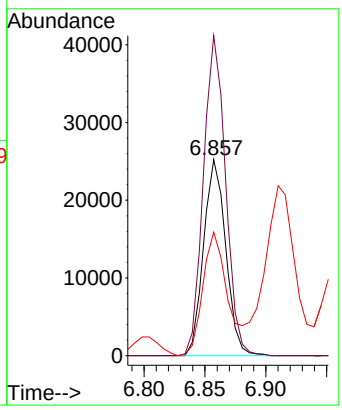


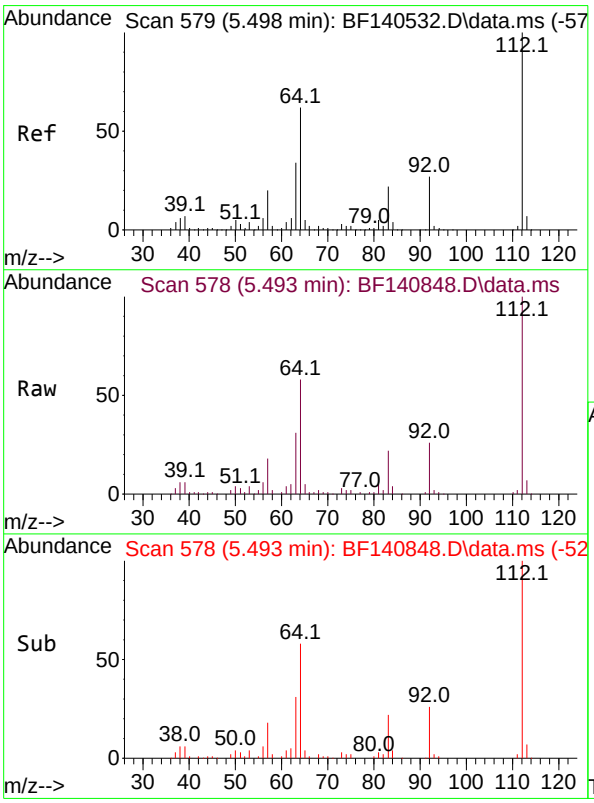
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Instrument :
BNA_F
ClientSampleId :
MW14-20241212

Tgt Ion:152 Resp: 31924

Ion	Ratio	Lower	Upper
152	100		
150	163.2	128.5	192.7
115	63.0	50.2	75.4

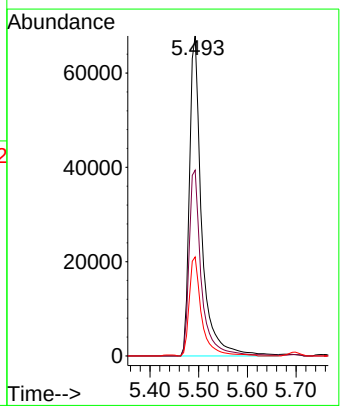


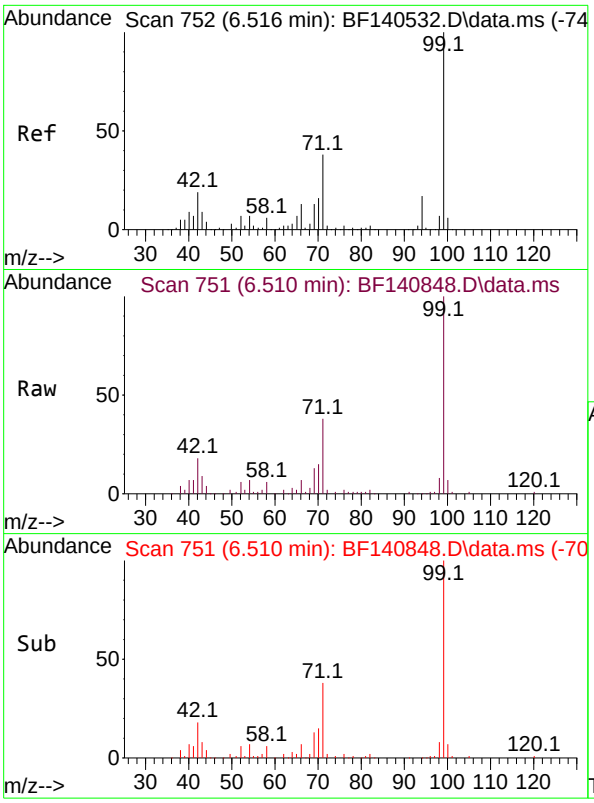


#5
2-Fluorophenol
Concen: 63.697 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Tgt Ion:112 Resp: 119181

Ion	Ratio	Lower	Upper
112	100		
64	58.0	49.2	73.8
63	30.9	27.0	40.4



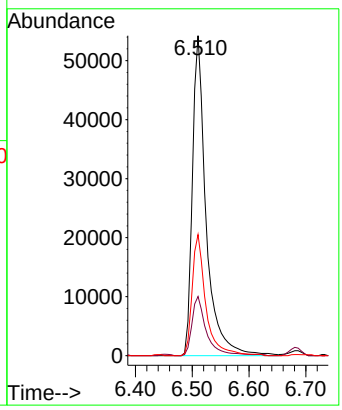


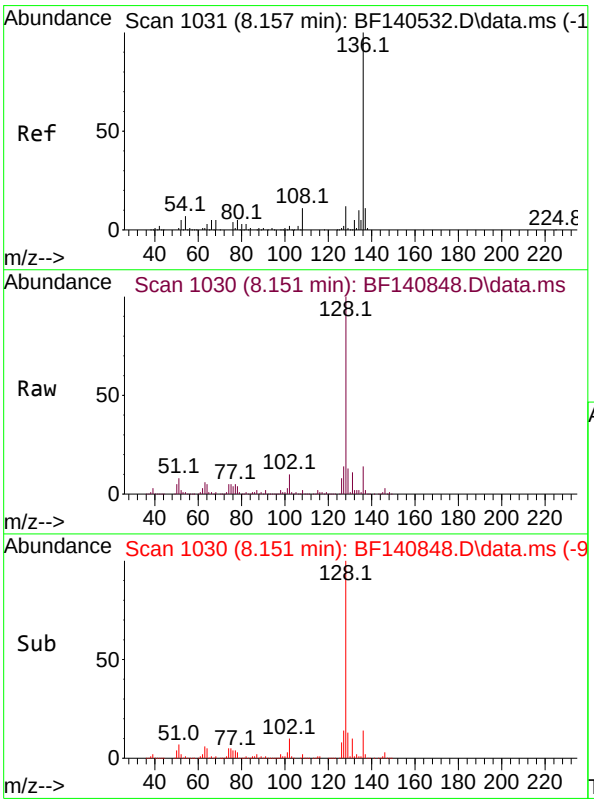
#7
Phenol-d6
Concen: 37.037 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Instrument :
BNA_F
ClientSampleId :
MW14-20241212

Tgt Ion: 99 Resp: 91614

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.4	23.0
71	37.9	30.6	46.0

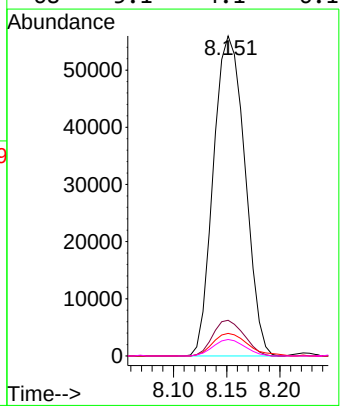


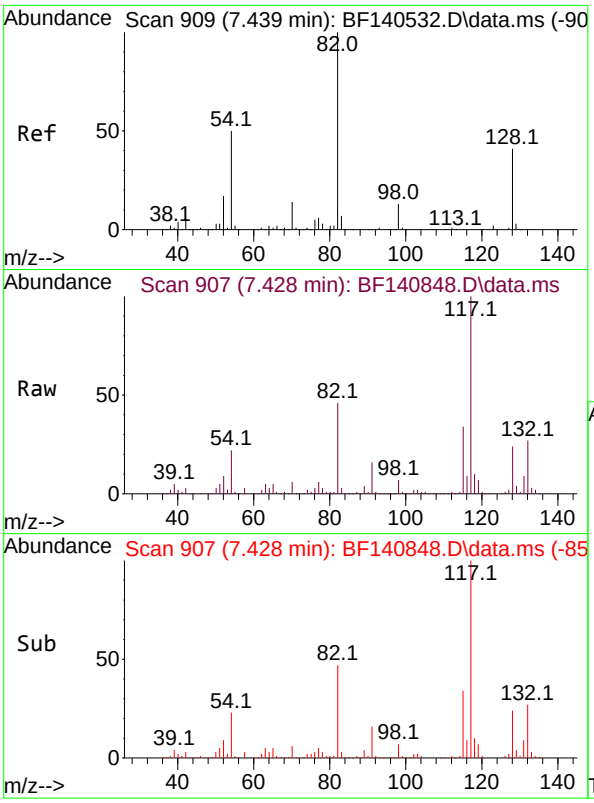


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Tgt Ion:136 Resp: 115203

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	7.0	5.8	8.8
68	5.1	4.1	6.1



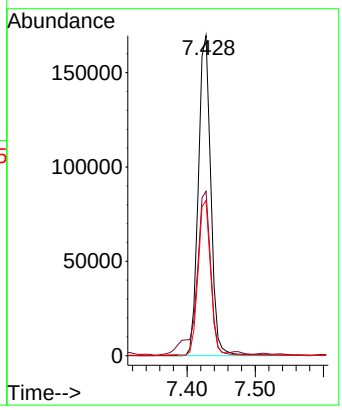


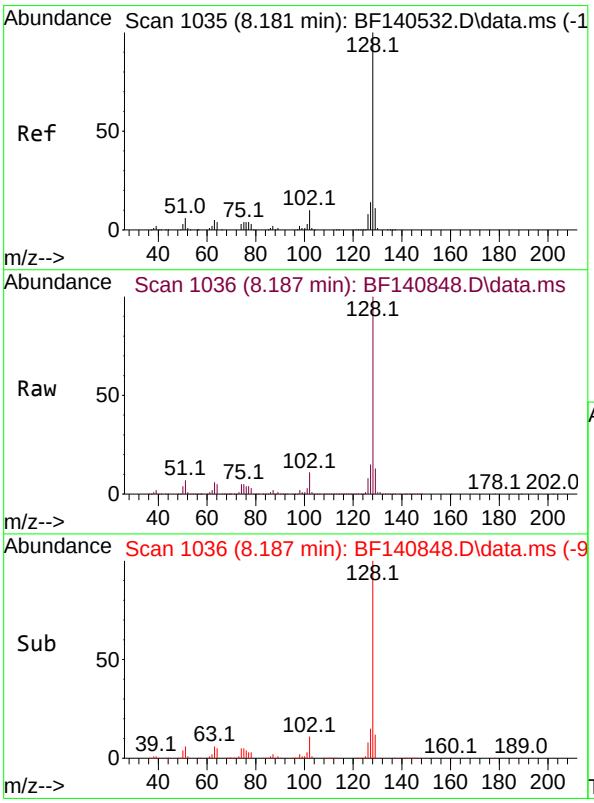
#23
Nitrobenzene-d5
Concen: 95.828 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Instrument :
BNA_F
ClientSampleId :
MW14-20241212

Tgt Ion: 82 Resp: 215829

Ion	Ratio	Lower	Upper
82	100		
128	51.4	33.0	49.4#
54	48.5	39.5	59.3

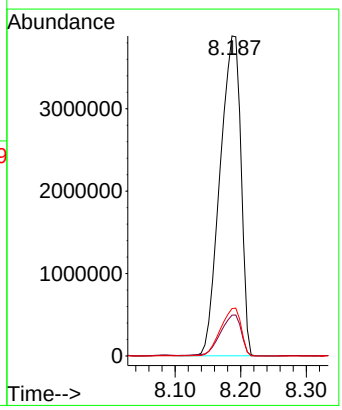


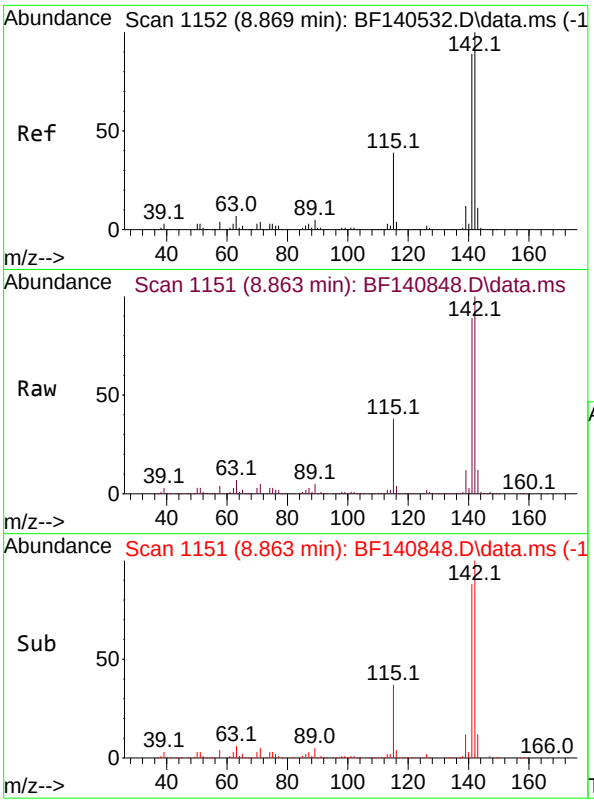


#31
Naphthalene
Concen: 1445.847 ng
RT: 8.187 min Scan# 1036
Delta R.T. 0.006 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Tgt Ion:128 Resp: 8579608

Ion	Ratio	Lower	Upper
128	100		
129	12.8	8.6	13.0
127	14.8	10.8	16.2



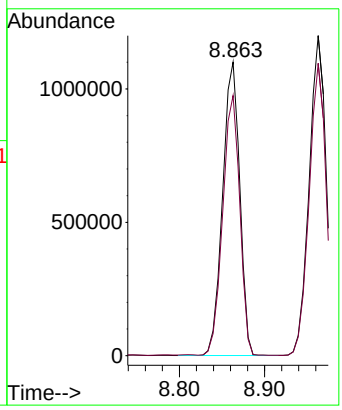


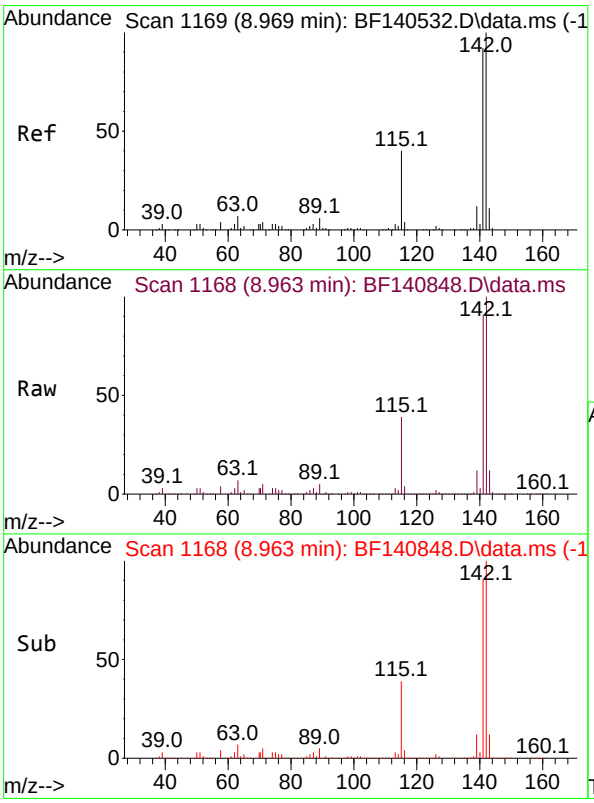
#37
2-Methylnaphthalene
Concen: 406.487 ng
RT: 8.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Instrument :
BNA_F
ClientSampleId :
MW14-20241212

Tgt Ion:142 Resp: 1532053

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.0	106.6

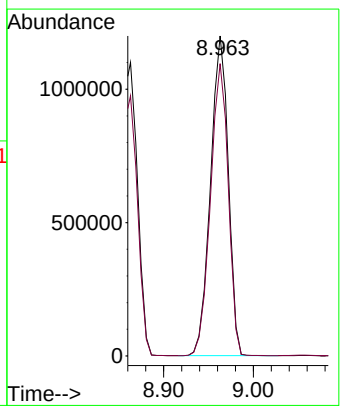


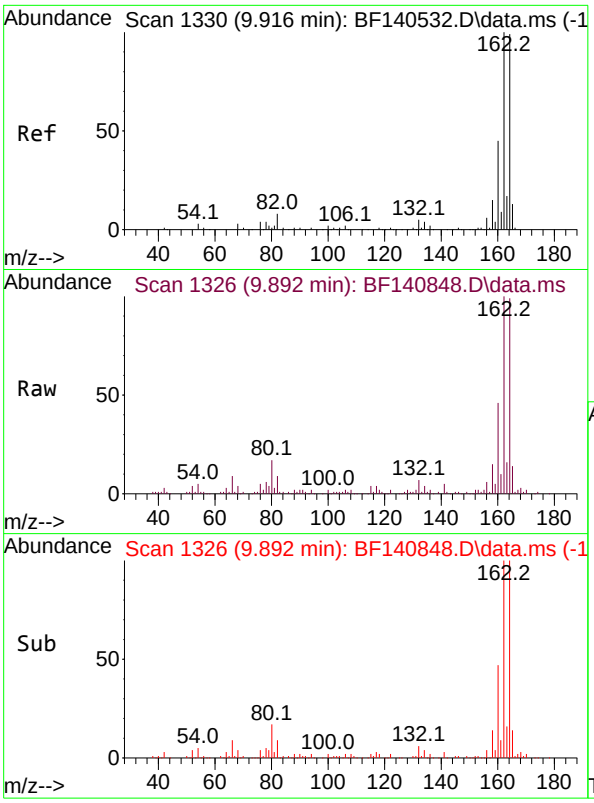


#38
1-Methylnaphthalene
Concen: 445.554 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Tgt Ion:142 Resp: 1646046

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.3	109.9



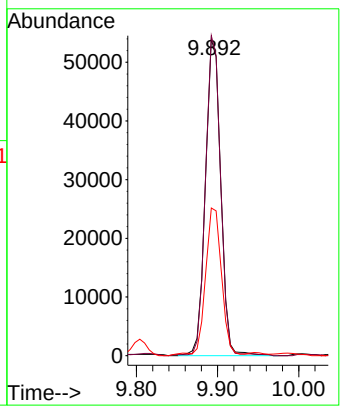


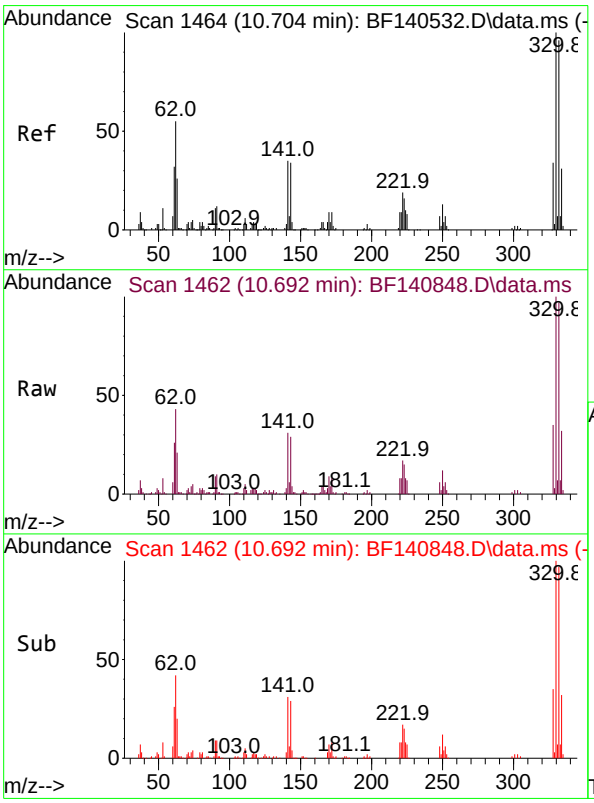
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Instrument :
BNA_F
ClientSampleId :
MW14-20241212

Tgt Ion:164 Resp: 70675

Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.6	120.8
160	46.6	36.2	54.4

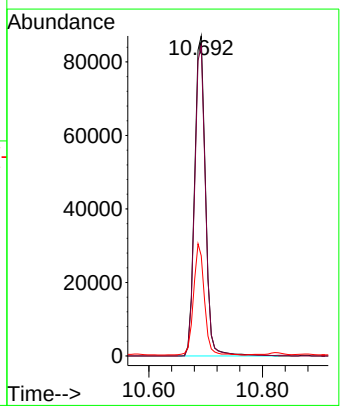


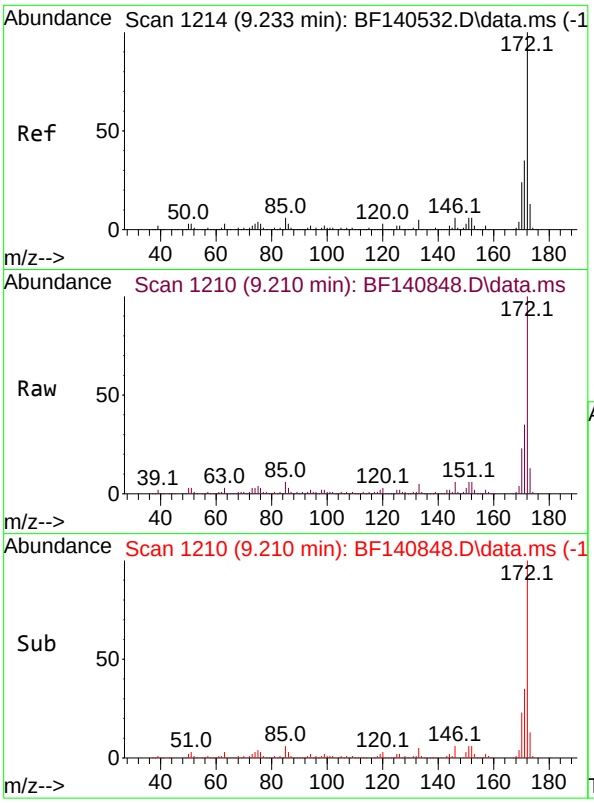


#42
2,4,6-Tribromophenol
Concen: 154.045 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Tgt Ion:330 Resp: 116439

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.9	115.3
141	34.3	26.7	40.1



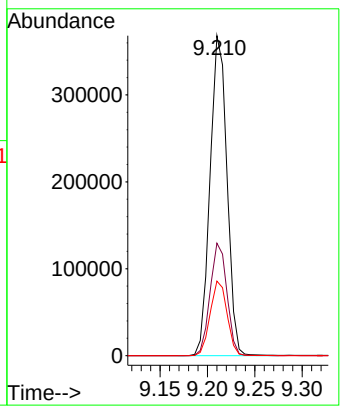


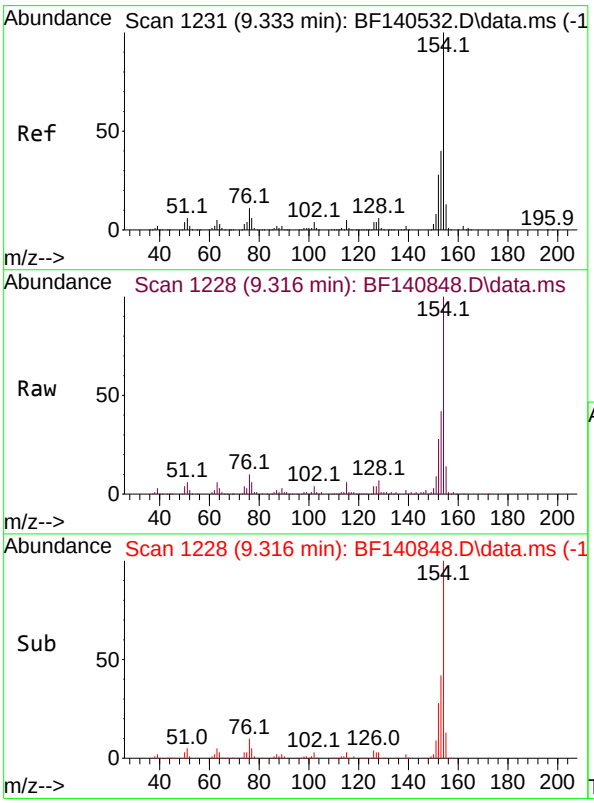
#45
2-Fluorobiphenyl
Concen: 96.425 ng
RT: 9.210 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Instrument :
BNA_F
ClientSampleId :
MW14-20241212

Tgt Ion:172 Resp: 457390

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.4	42.6
170	23.3	19.0	28.6

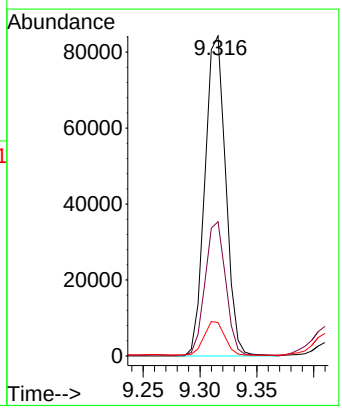


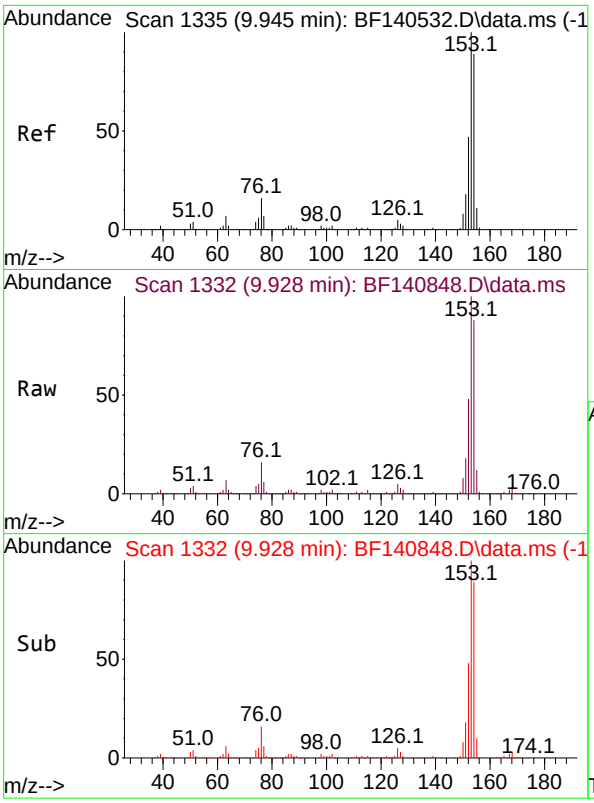


#46
1,1'-Biphenyl
Concen: 20.313 ng
RT: 9.316 min Scan# 1228
Delta R.T. -0.018 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Tgt Ion:154 Resp: 107186

Ion	Ratio	Lower	Upper
154	100		
153	41.9	20.4	60.4
76	10.5	0.0	31.2



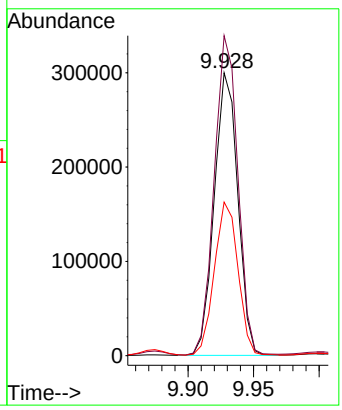


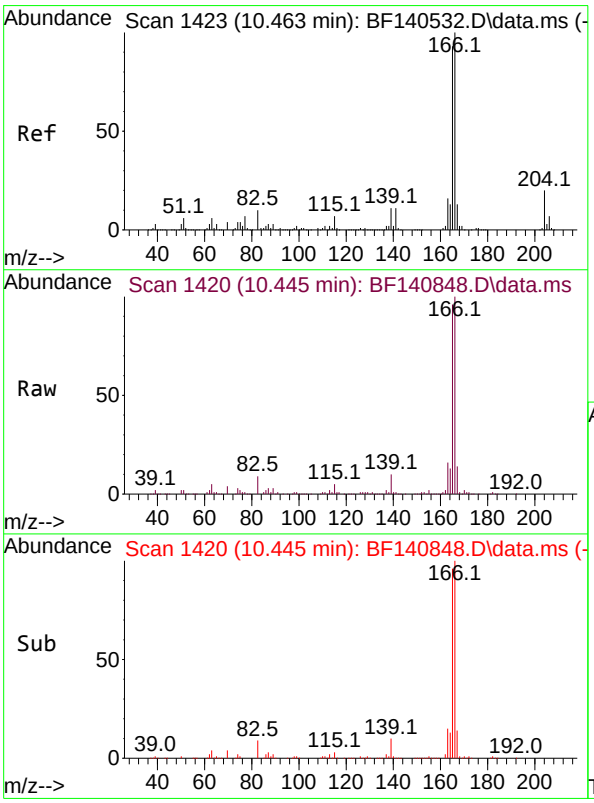
#52
Acenaphthene
Concen: 97.333 ng
RT: 9.928 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Instrument :
BNA_F
ClientSampleId :
MW14-20241212

Tgt Ion:154 Resp: 373609

Ion	Ratio	Lower	Upper
154	100		
153	113.1	89.7	134.5
152	54.3	42.5	63.7

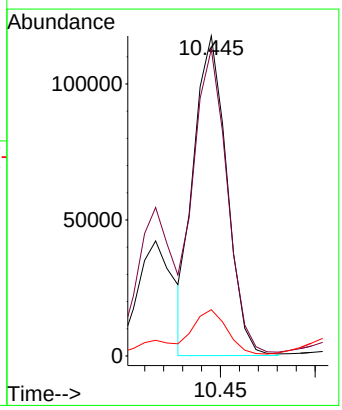


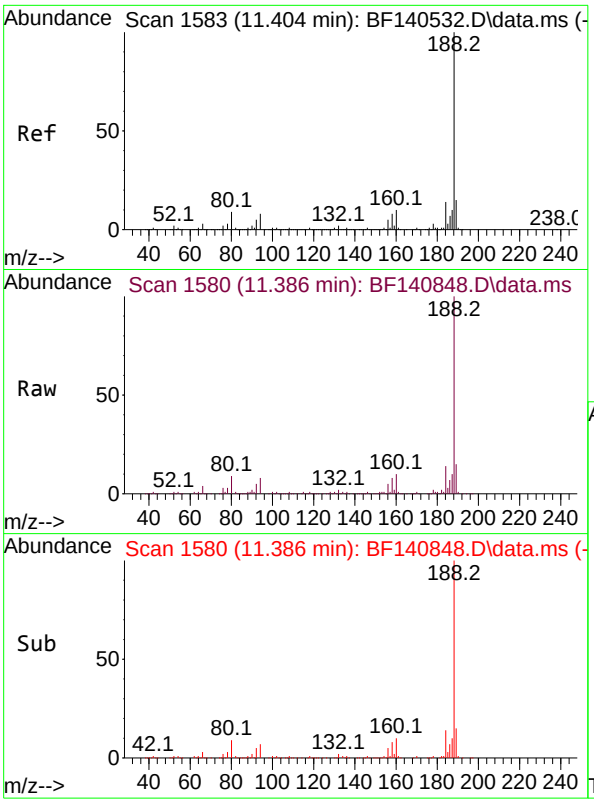


#58
Fluorene
Concen: 30.386 ng
RT: 10.445 min Scan# 1420
Delta R.T. -0.018 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Tgt Ion:166 Resp: 142800

Ion	Ratio	Lower	Upper
166	100		
165	95.8	74.6	111.8
167	14.4	10.6	16.0



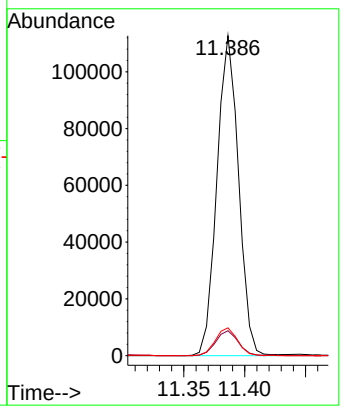


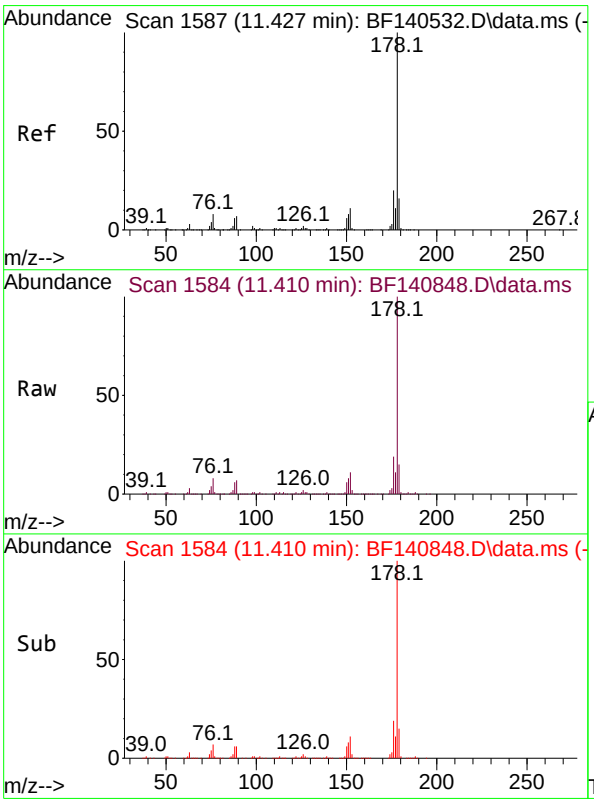
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Instrument :
BNA_F
ClientSampleId :
MW14-20241212

Tgt Ion:188 Resp: 139100

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.4	9.6
80	8.7	6.9	10.3

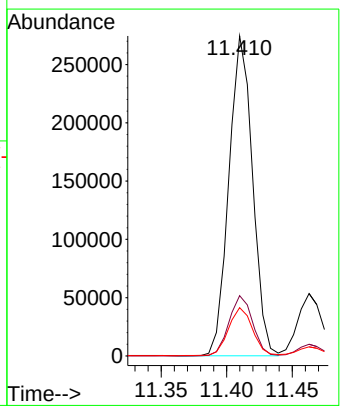


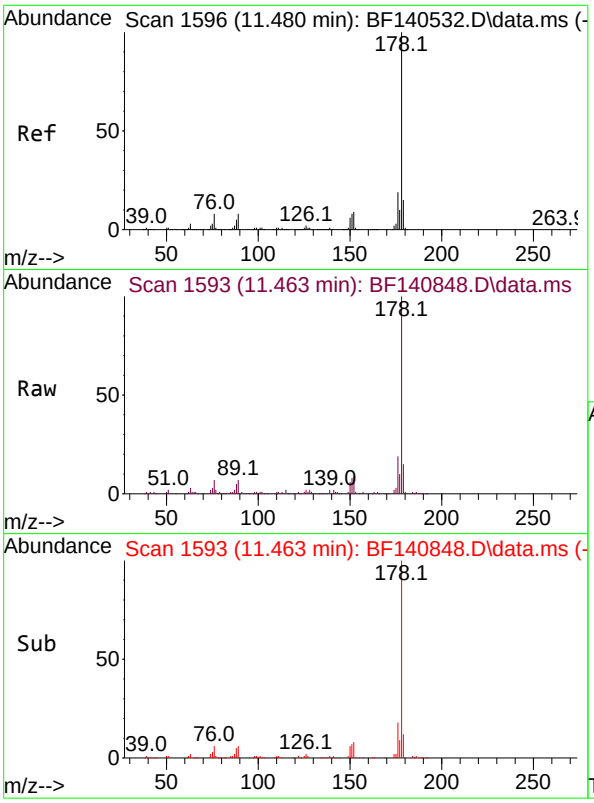


#71
Phenanthrene
Concen: 51.534 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.018 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Tgt Ion:178 Resp: 344577

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.6
179	15.1	12.4	18.6



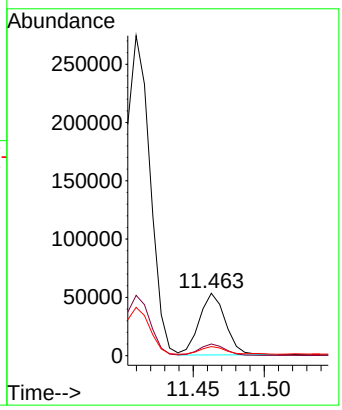


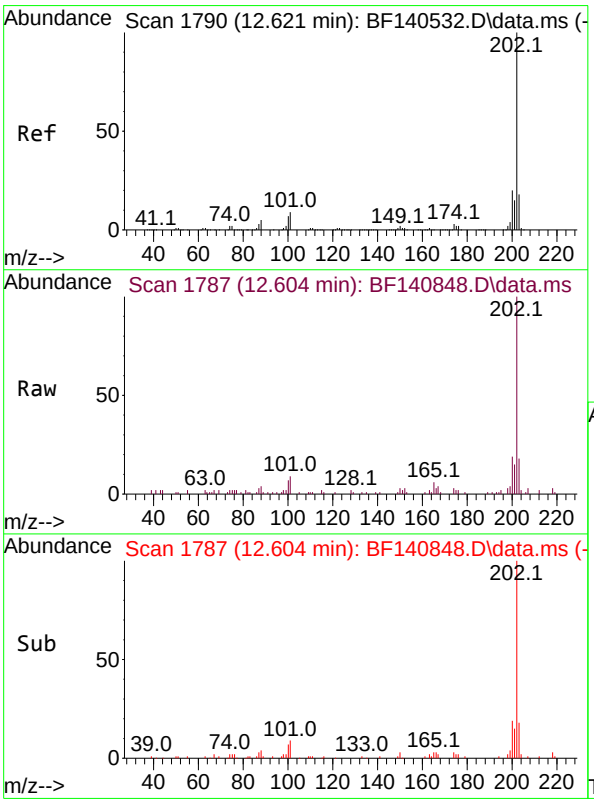
#72
Anthracene
Concen: 10.365 ng
RT: 11.463 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Instrument :
BNA_F
ClientSampleId :
MW14-20241212

Tgt Ion:178 Resp: 67794

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	14.6	12.2	18.4

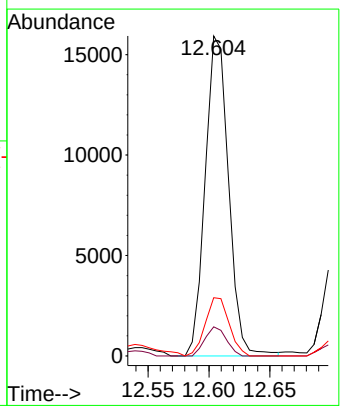


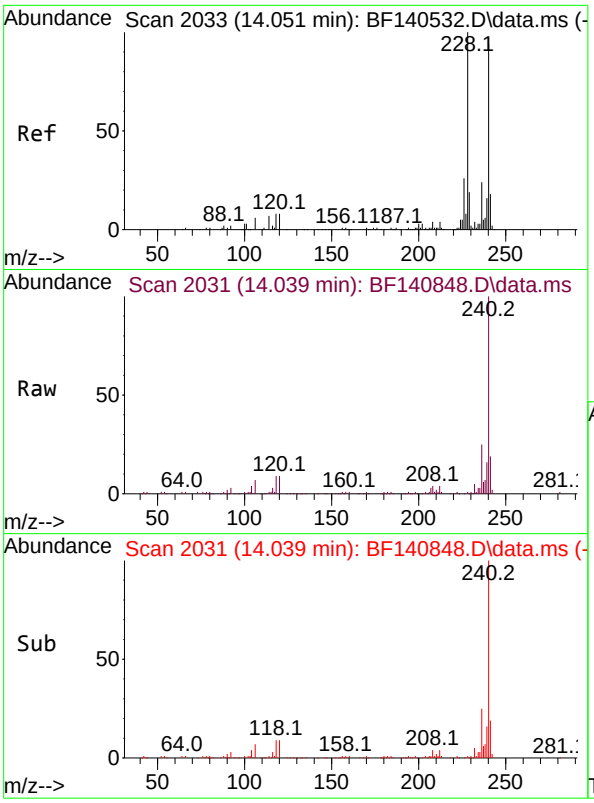


#75
Fluoranthene
Concen: 2.930 ng
RT: 12.604 min Scan# 1787
Delta R.T. -0.018 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Tgt Ion:202 Resp: 21273

Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	28.9
203	18.2	0.0	37.6



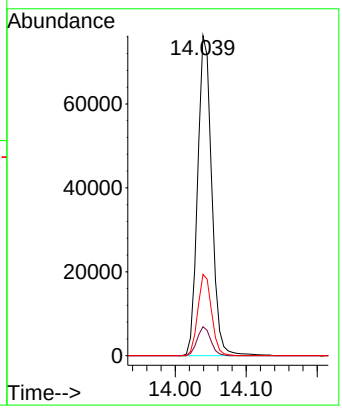


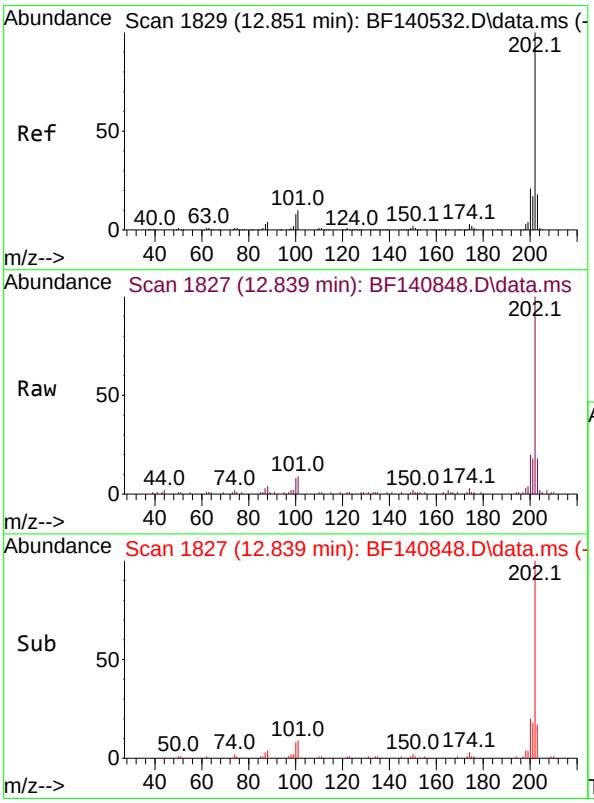
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Instrument :
BNA_F
ClientSampleId :
MW14-20241212

Tgt Ion:240 Resp: 105278

Ion	Ratio	Lower	Upper
240	100		
120	9.0	7.3	10.9
236	25.4	20.6	31.0

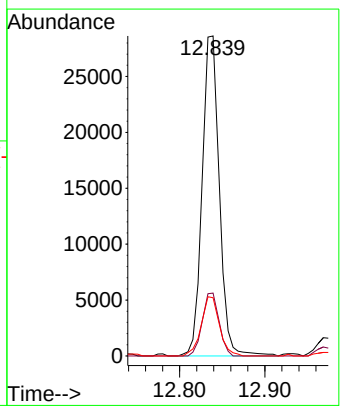


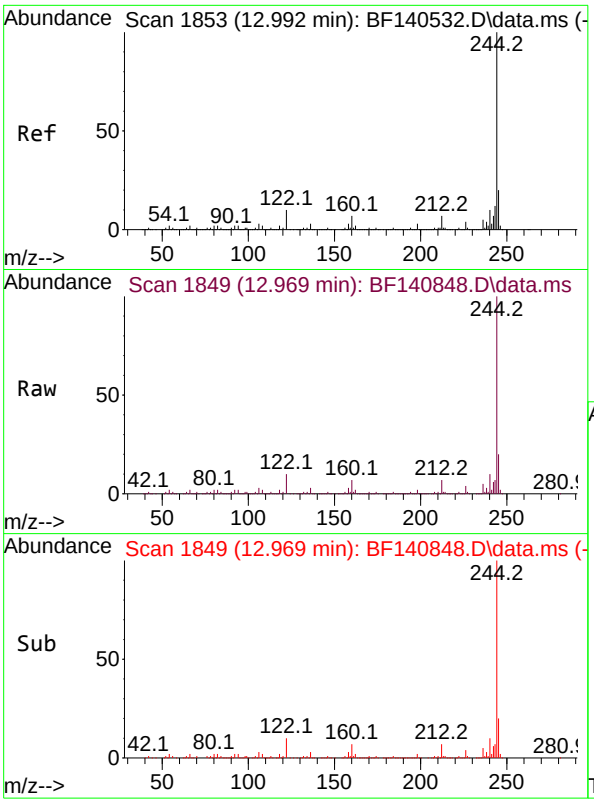


#78
Pyrene
Concen: 4.130 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.012 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Tgt Ion:202 Resp: 40205

Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.5	24.7
203	18.2	14.2	21.4



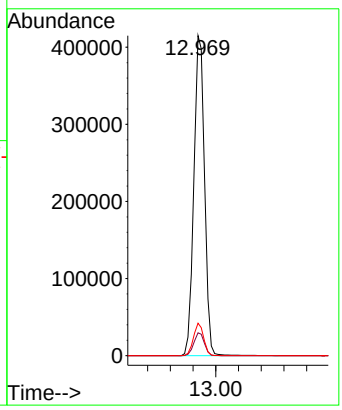


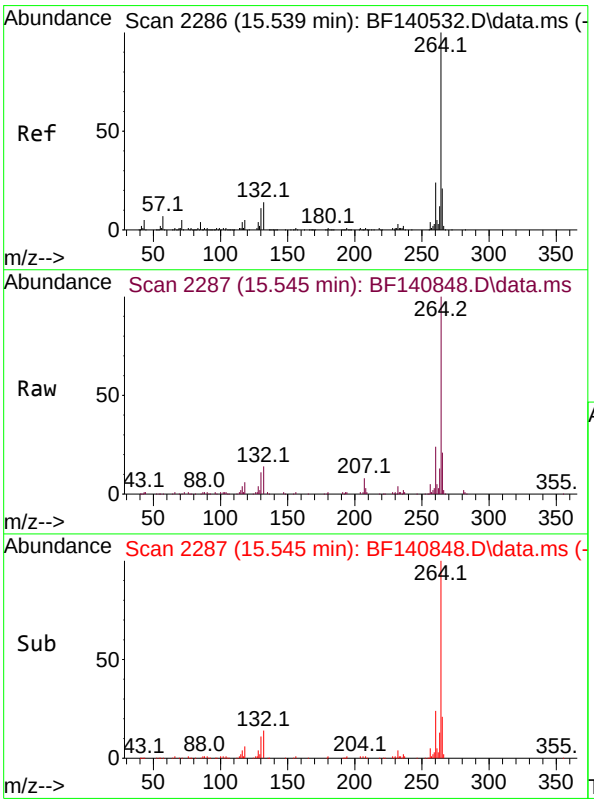
#79
Terphenyl-d14
Concen: 80.441 ng
RT: 12.969 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Instrument :
BNA_F
ClientSampleId :
MW14-20241212

Tgt Ion:244 Resp: 543863

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	10.1	8.0	12.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2287
Delta R.T. 0.006 min
Lab File: BF140848.D
Acq: 13 Dec 2024 17:02

Tgt Ion:264 Resp: 102733

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.6
265	21.1	16.6	25.0