Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100825\
Data File : BF143906.D
Acq On : 08 Oct 2025 20:32
Operator : RC/JU
Sample : Q3307-16 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Quant Time: Oct 09 01:49:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	117054	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	416342	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	212448	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	316060	20.000	ng		0.00
76) Chrysene-d12	14.063	240	287326	20.000	ng		0.00
86) Perylene-d12	15.539	264	234519	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	137250	18.620	ng		-0.01
7) Phenol-d6	6.492	99	163721	18.634	ng		-0.02
23) Nitrobenzene-d5	7.439	82	92338	13.474	ng		-0.02
42) 2,4,6-Tribromophenol	10.710	330	30574	14.449	ng		-0.01
45) 2-Fluorobiphenyl	9.239	172	194121	14.499	ng		-0.01
79) Terphenyl-d14	13.004	244	160456	9.544	ng		0.00
Target Compounds							Qvalue
18) Hexachloroethane	7.416	117	15046	5.303	ng	#	1
37) 2-Methylnaphthalene	8.875	142	69226	5.487	ng		100
38) 1-Methylnaphthalene	8.975	142	105826	8.648	ng		98
52) Acenaphthene	9.957	154	39922	3.695	ng	#	80
54) 2,4-Dinitrophenol	10.139	184	1452	7.800	ng	#	1
56) 4-Nitrophenol	10.028	139	17332	7.473	ng	#	56
57) 2,4-Dinitrotoluene	10.122	165	10038	2.949	ng	#	45
58) Fluorene	10.475	166	58562	5.089	ng	#	89
66) n-Nitrosodiphenylamine	10.580	169	114193	11.507	ng	#	58
71) Phenanthrene	11.439	178	375911	24.533	ng		99
72) Anthracene	11.439	178	375911	24.284	ng		99
75) Fluoranthene	12.633	202	484654	30.622	ng		99
78) Pyrene	12.863	202	473064	19.749	ng		98
81) Benzo(a)anthracene	14.051	228	282718	15.036	ng		96
83) Chrysene	14.086	228	228604	13.136	ng		96
84) Bis(2-ethylhexyl)phtha...	14.039	149	48563	5.179	ng		98
87) Indeno(1,2,3-cd)pyrene	17.027	276	83123	5.784	ng		96
88) Benzo(b)fluoranthene	15.110	252	327580	24.317	ng		97
89) Benzo(k)fluoranthene	15.110	252	327580	26.279	ng	#	98
90) Benzo(a)pyrene	15.474	252	164320	14.067	ng	#	95
91) Dibenzo(a,h)anthracene	17.039	278	23221	2.009	ng	#	88
92) Benzo(g,h,i)perylene	17.480	276	85970	7.439	ng	#	95

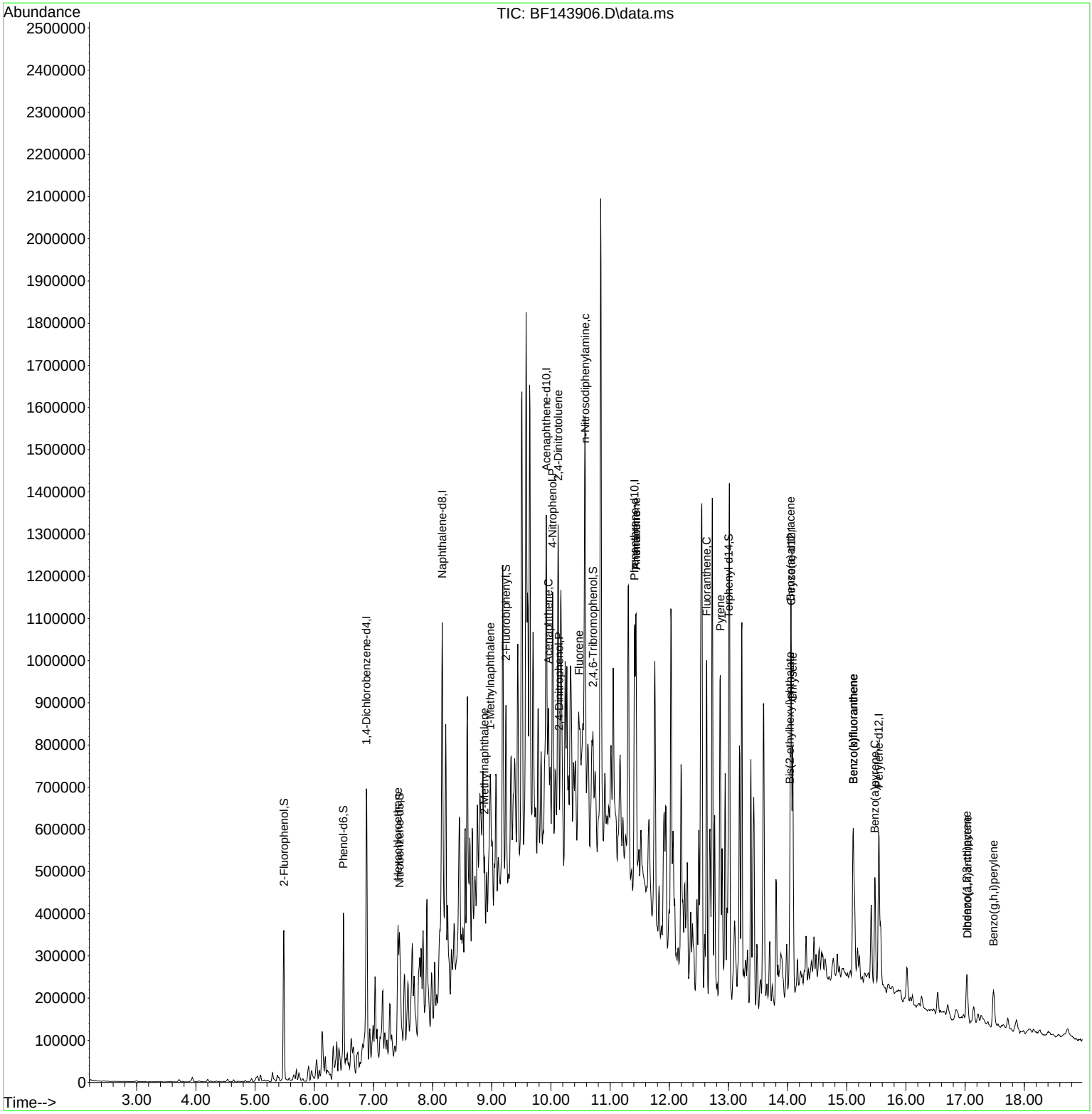
(#) = qualifier out of range (m) = manual integration (+) = signals summed

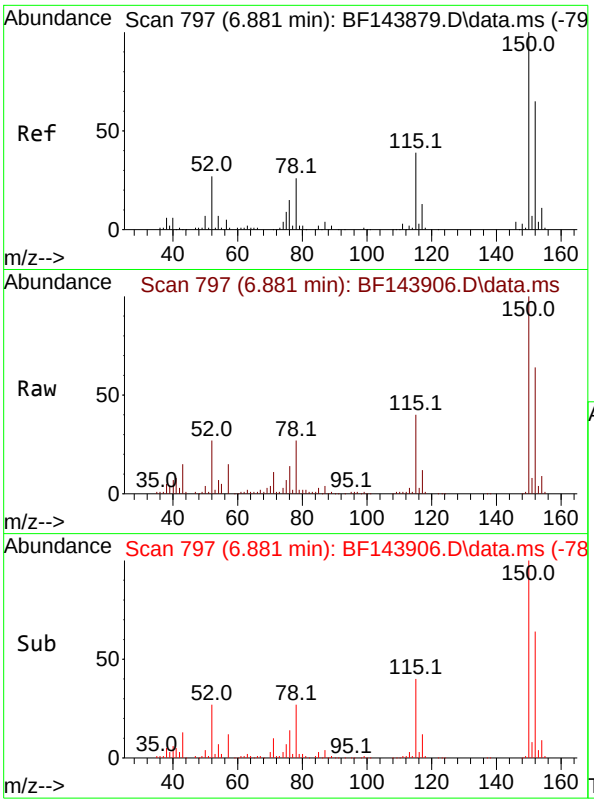
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100825\
Data File : BF143906.D
Acq On : 08 Oct 2025 20:32
Operator : RC/JU
Sample : Q3307-16 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Quant Time: Oct 09 01:49:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration



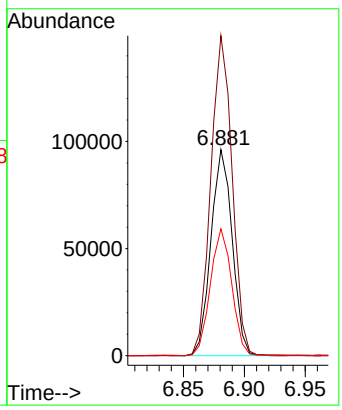


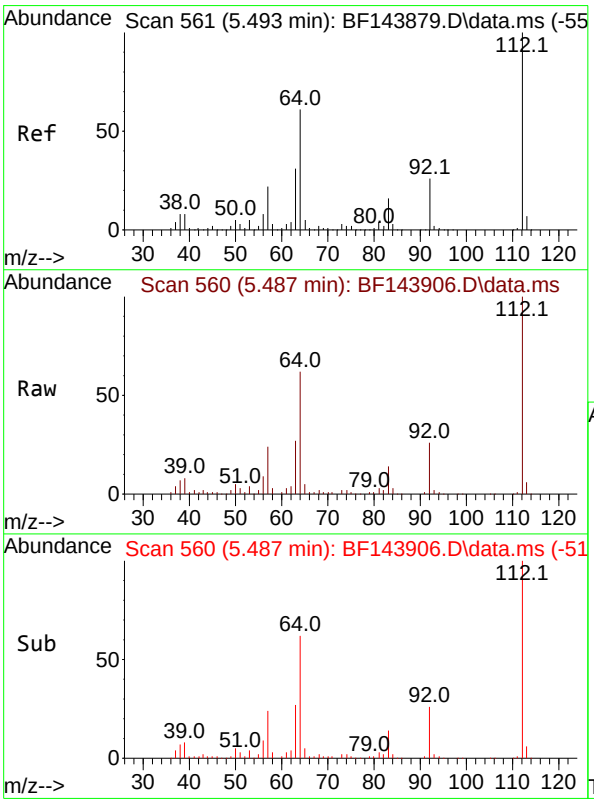
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Tgt Ion:152 Resp: 117054

Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.4	186.6
115	61.6	48.1	72.1

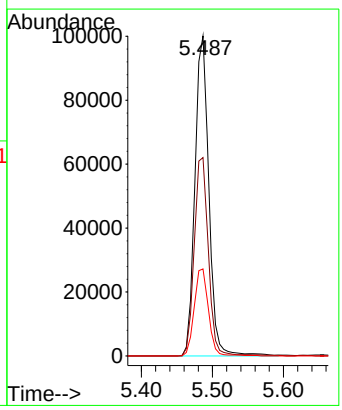


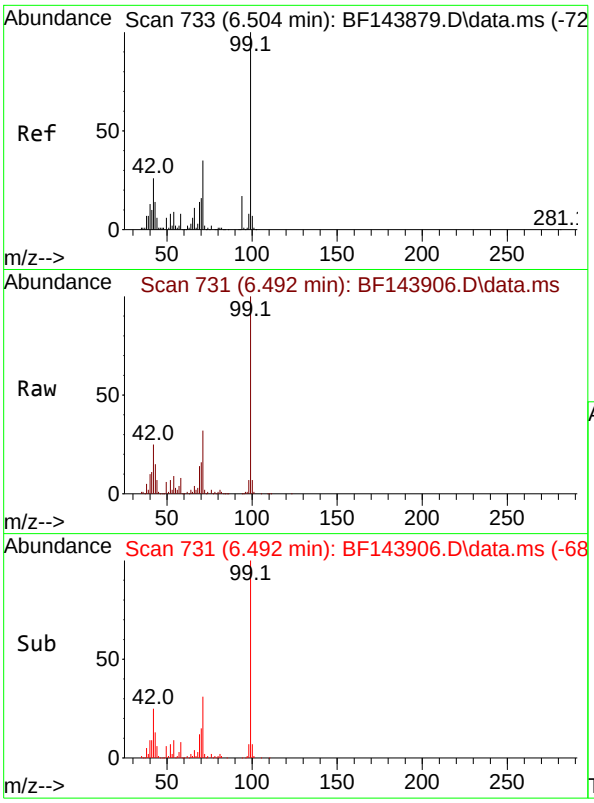


#5
2-Fluorophenol
Concen: 18.620 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.012 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Tgt Ion:112 Resp: 137250

Ion	Ratio	Lower	Upper
112	100		
64	62.0	49.1	73.7
63	27.2	24.5	36.7



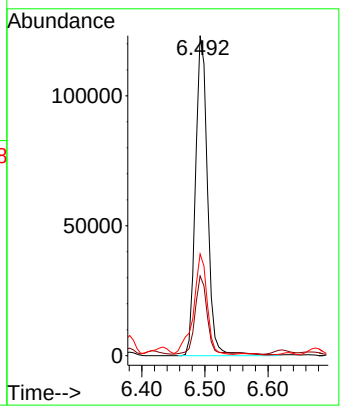


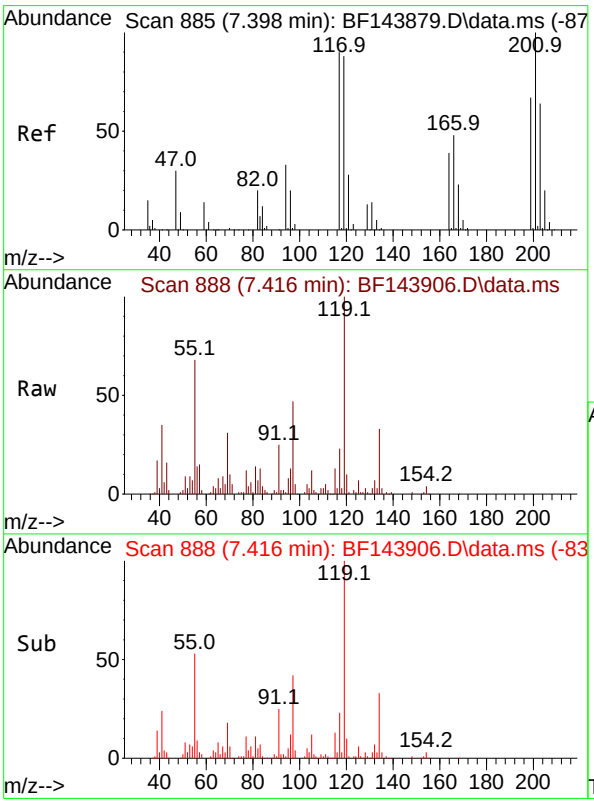
#7
Phenol-d6
Concen: 18.634 ng
RT: 6.492 min Scan# 7
Delta R.T. -0.023 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Tgt Ion: 99 Resp: 163721

Ion	Ratio	Lower	Upper
99	100		
42	24.9	21.0	31.4
71	31.8	27.8	41.8

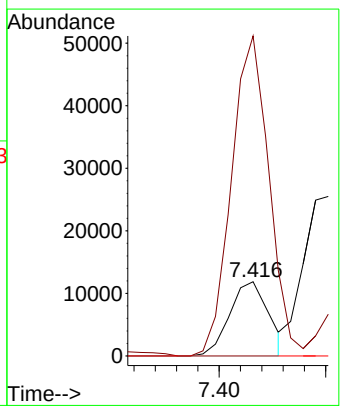


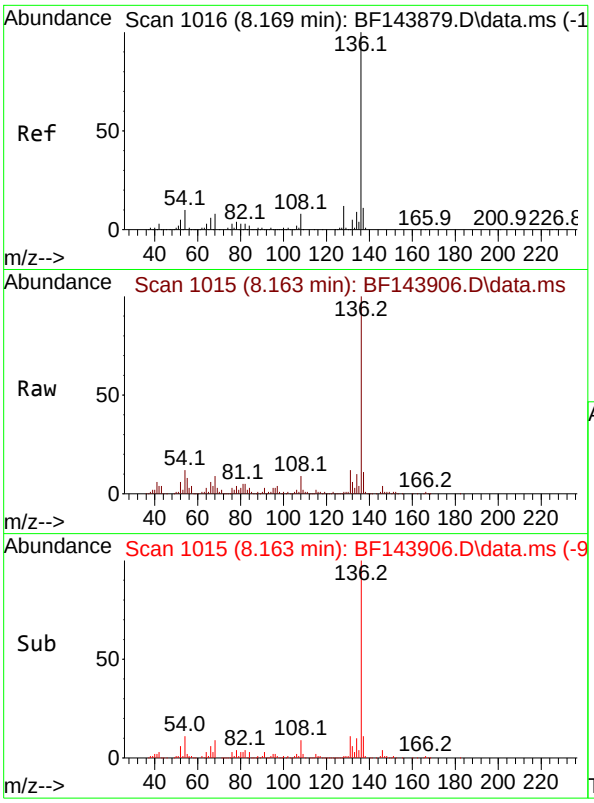


#18
Hexachloroethane
Concen: 5.303 ng
RT: 7.416 min Scan# 888
Delta R.T. 0.018 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Tgt Ion:117 Resp: 15046

Ion	Ratio	Lower	Upper
117	100		
119	431.5	77.8	116.8#
201	0.0	88.5	132.7#



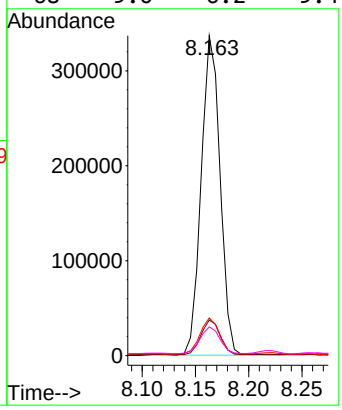


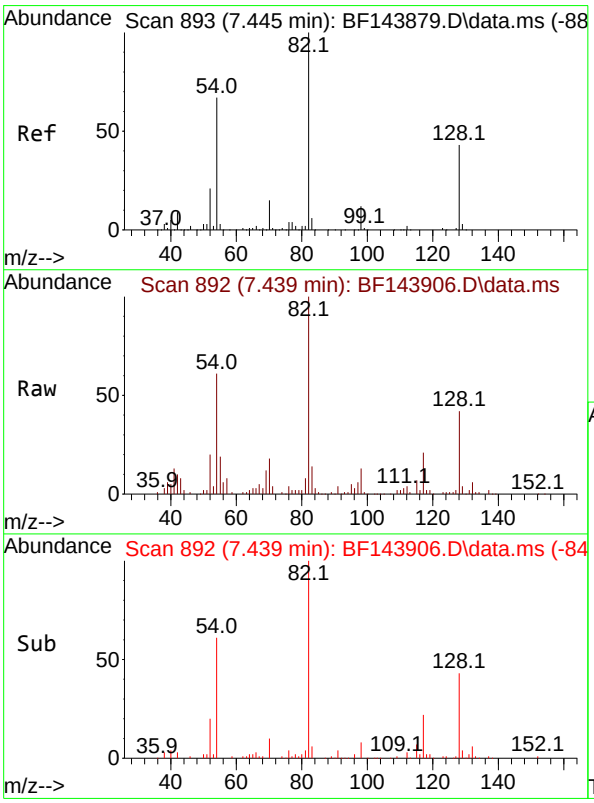
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Tgt Ion:136 Resp: 416342

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	11.8	8.2	12.4
68	9.0	6.2	9.4

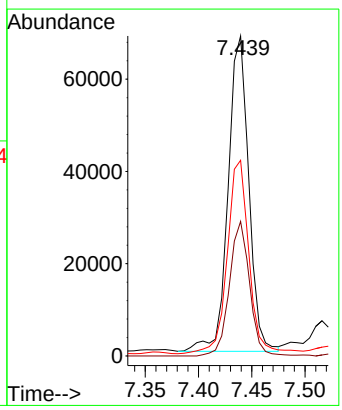


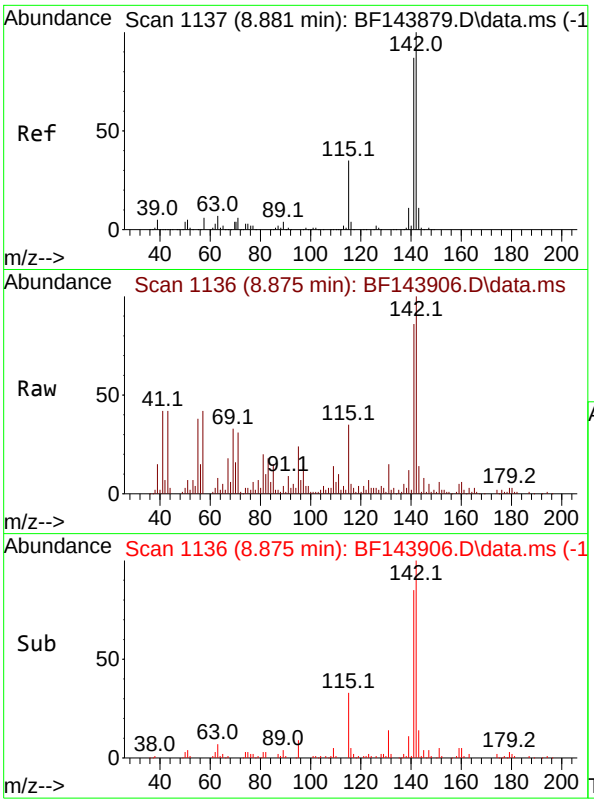


#23
Nitrobenzene-d5
Concen: 13.474 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Tgt Ion: 82 Resp: 92338

Ion	Ratio	Lower	Upper
82	100		
128	42.1	34.0	51.0
54	61.1	53.2	79.8



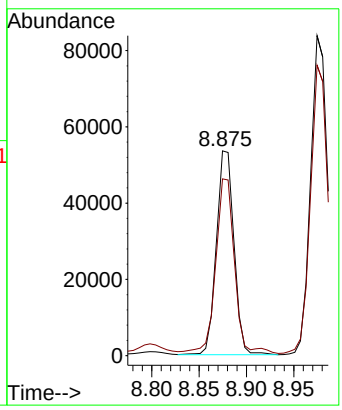


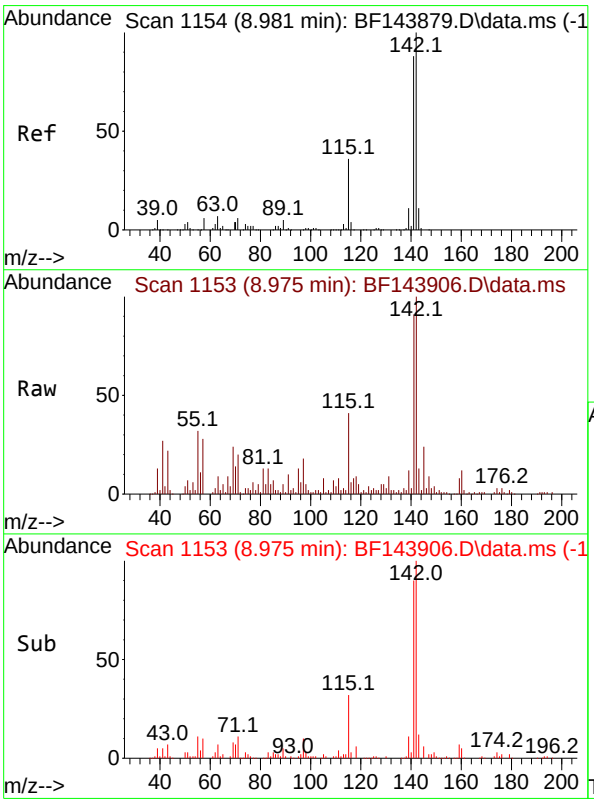
#37
2-Methylnaphthalene
Concen: 5.487 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Tgt Ion:142 Resp: 69226

Ion	Ratio	Lower	Upper
142	100		
141	86.4	69.2	103.8

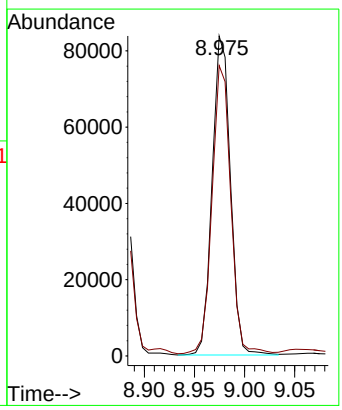


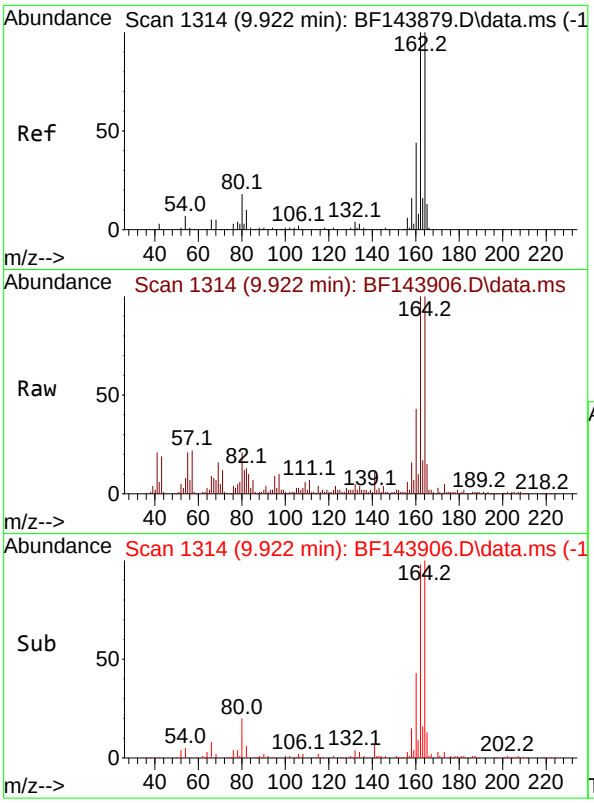


#38
1-Methylnaphthalene
Concen: 8.648 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.011 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Tgt Ion:142 Resp: 105826

Ion	Ratio	Lower	Upper
142	100		
141	90.7	70.8	106.2



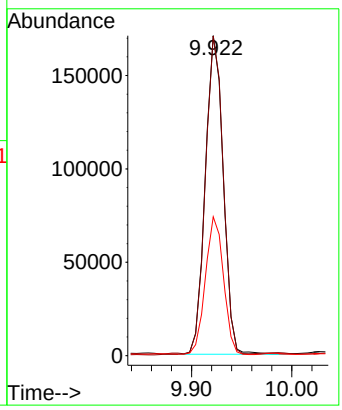


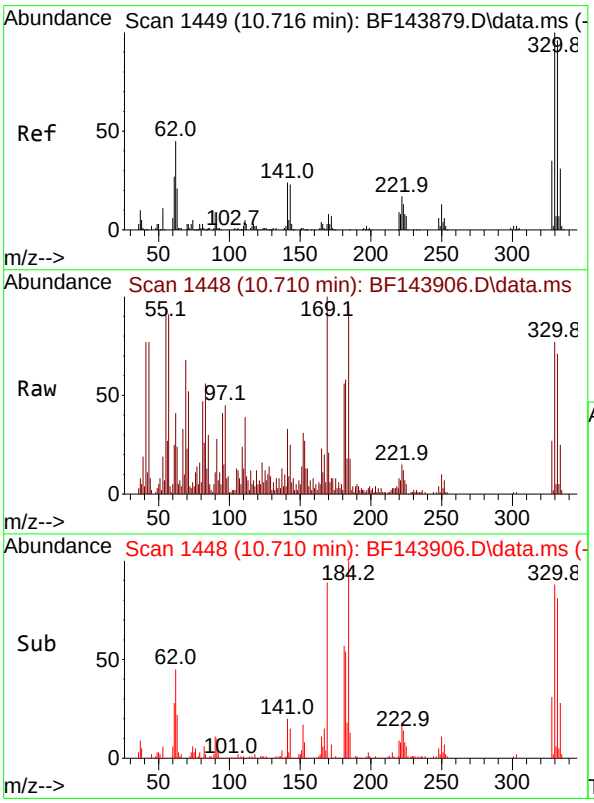
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Tgt Ion:164 Resp: 212448

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.2	120.2
160	43.4	35.4	53.0

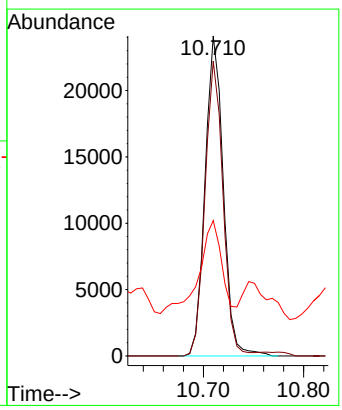


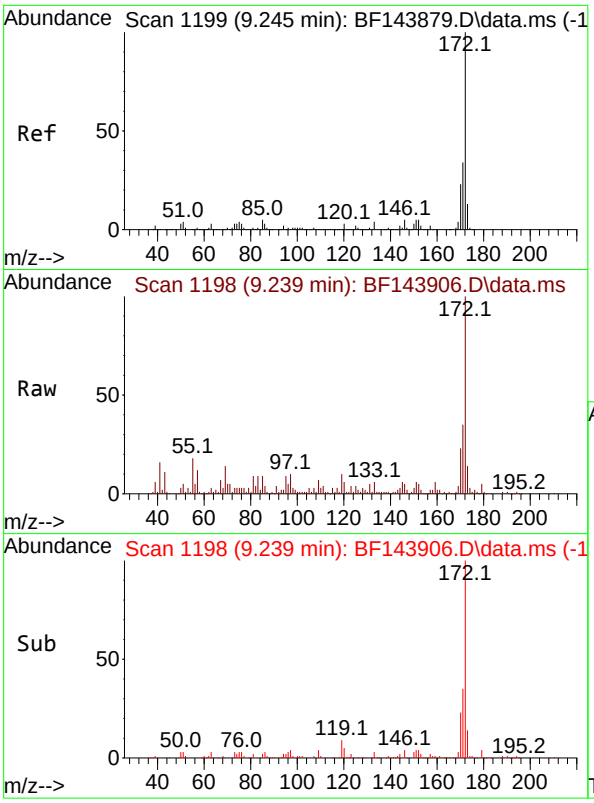


#42
2,4,6-Tribromophenol
Concen: 14.449 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Tgt Ion:330 Resp: 30574

Ion	Ratio	Lower	Upper
330	100		
332	91.0	76.9	115.3
141	35.8	20.2	30.4#



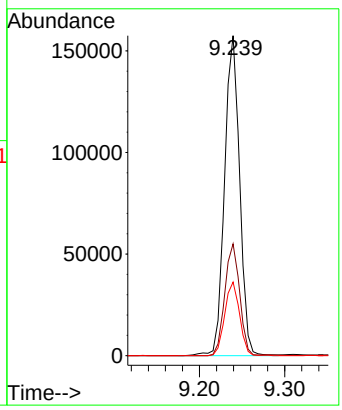


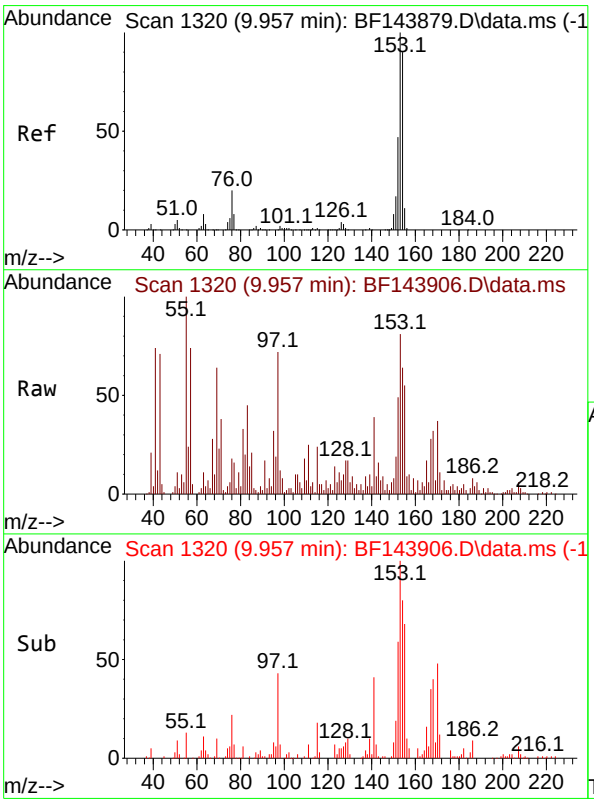
#45
2-Fluorobiphenyl
Concen: 14.499 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Tgt Ion:172 Resp: 194121

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.4	41.0
170	23.0	18.6	28.0

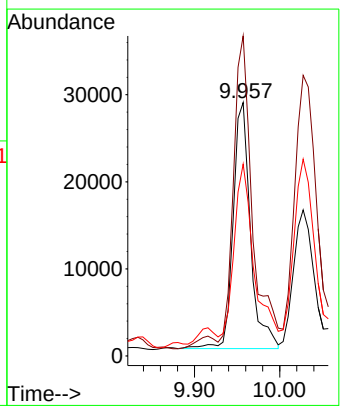


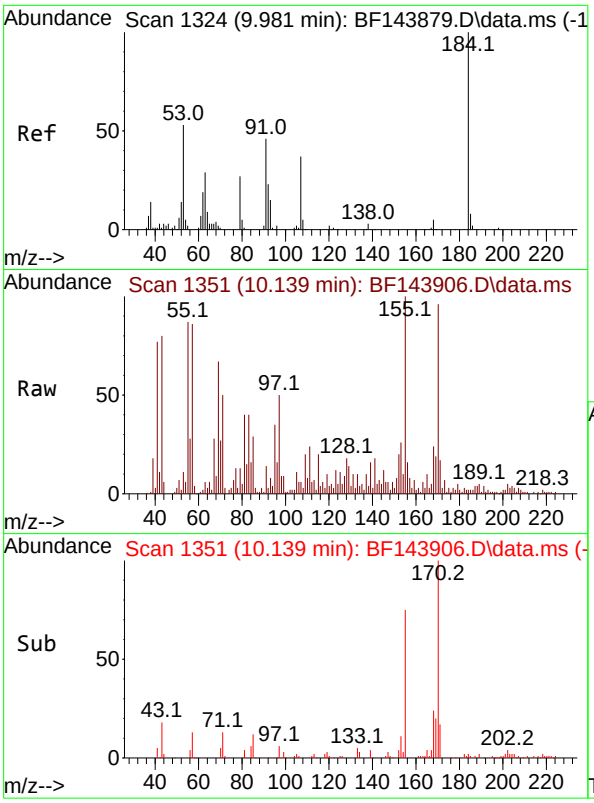


#52
Acenaphthene
Concen: 3.695 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Tgt Ion:154 Resp: 39922

Ion	Ratio	Lower	Upper
154	100		
153	126.3	89.3	133.9
152	75.7	42.2	63.2#



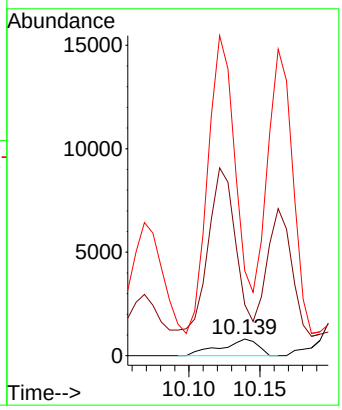


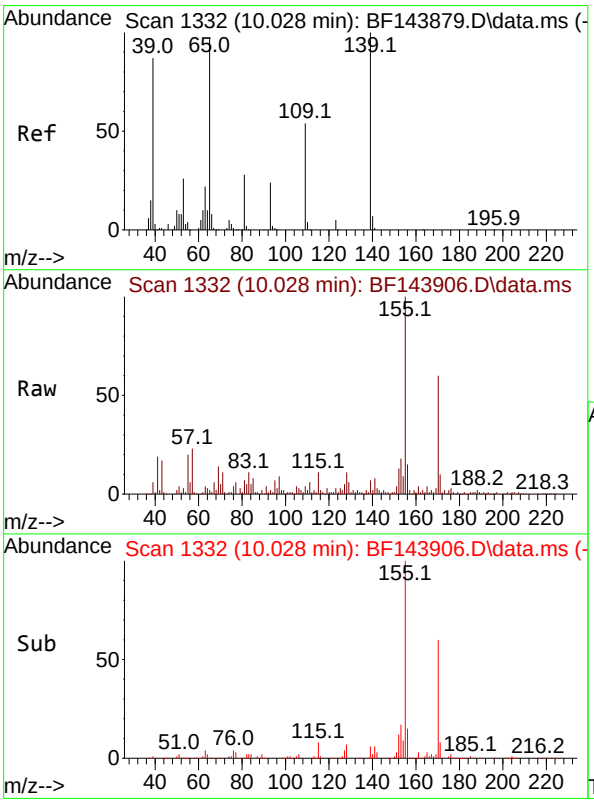
#54
2,4-Dinitrophenol
Concen: 7.800 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.153 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Tgt Ion:184 Resp: 1452

Ion	Ratio	Lower	Upper
184	100		
63	306.1	48.2	72.4#
154	509.8	49.2	73.8#

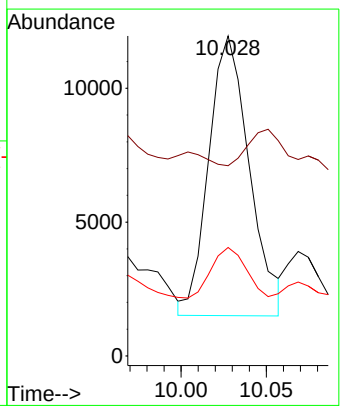


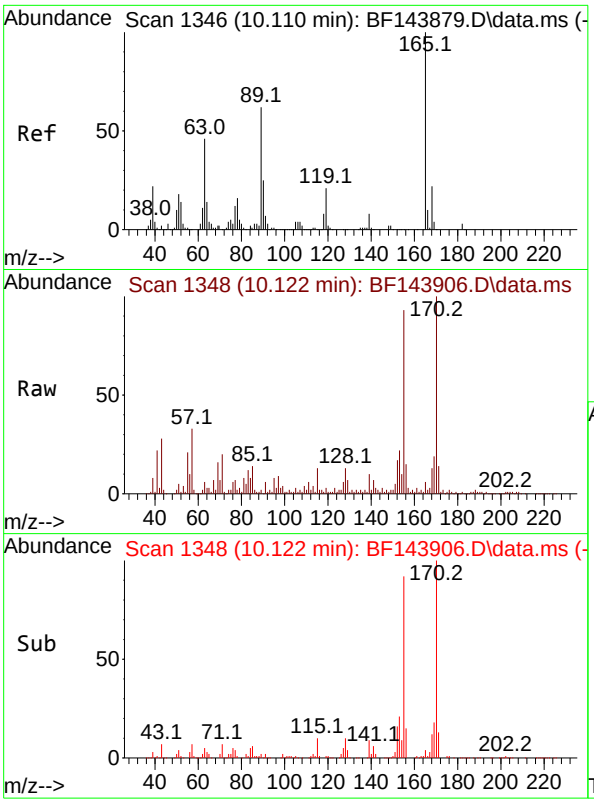


#56
4-Nitrophenol
Concen: 7.473 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.011 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Tgt Ion:139 Resp: 17332

Ion	Ratio	Lower	Upper
139	100		
109	59.4	34.5	74.5
65	33.9	77.6	117.6#



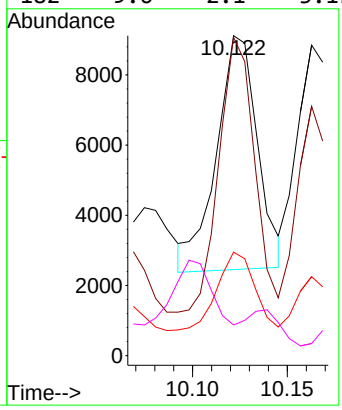


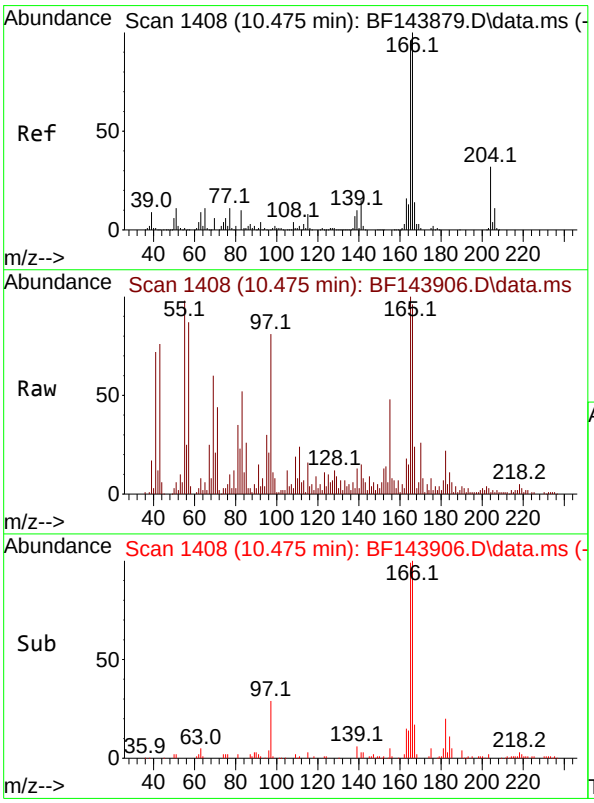
#57
2,4-Dinitrotoluene
Concen: 2.949 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Tgt Ion:165 Resp: 10038

Ion	Ratio	Lower	Upper
165	100		
63	99.5	37.2	55.8#
89	32.4	49.4	74.2#
182	9.6	2.1	3.1#

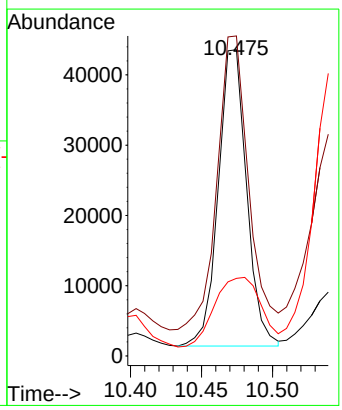


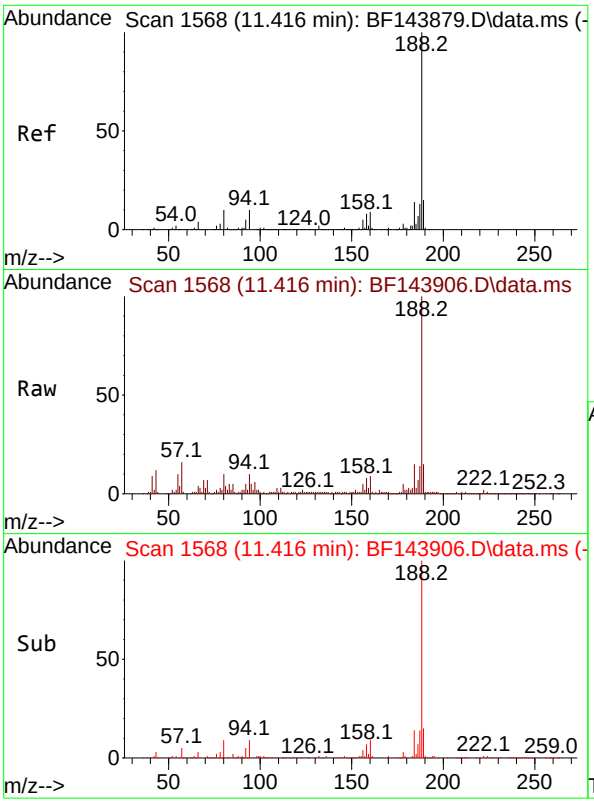


#58
Fluorene
Concen: 5.089 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Tgt Ion:166 Resp: 58562

Ion	Ratio	Lower	Upper
166	100		
165	104.5	77.0	115.6
167	25.3	11.1	16.7#



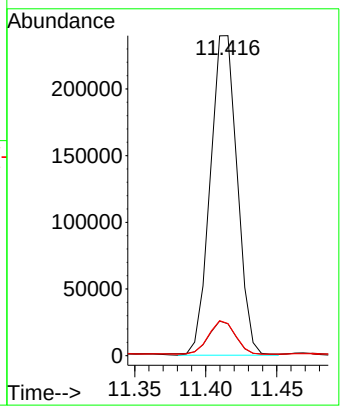


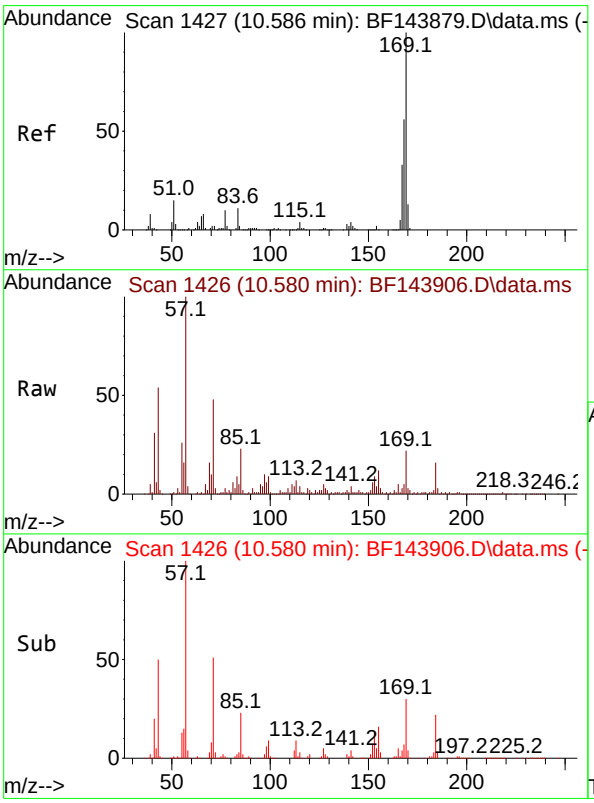
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Tgt Ion:188 Resp: 316060

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.8	11.6
80	10.0	7.9	11.9

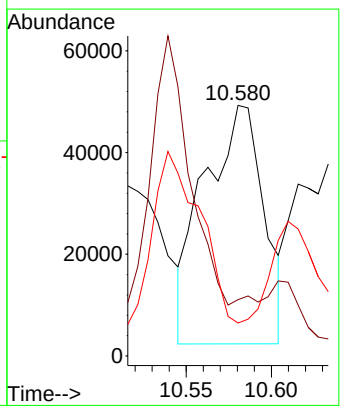


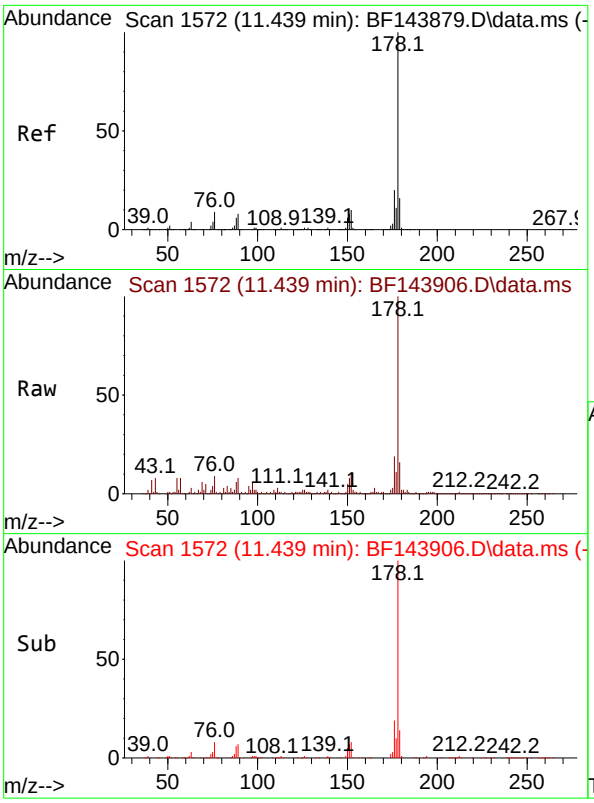


#66
n-Nitrosodiphenylamine
Concen: 11.507 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Tgt Ion:169 Resp: 114193

Ion	Ratio	Lower	Upper
169	100		
168	22.4	44.9	67.3#
167	13.2	26.3	39.5#



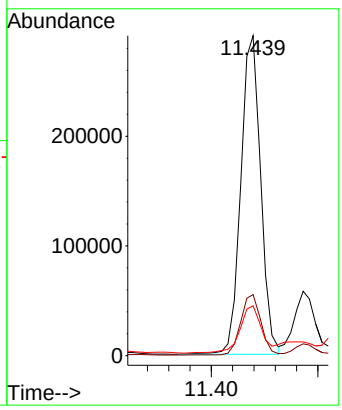


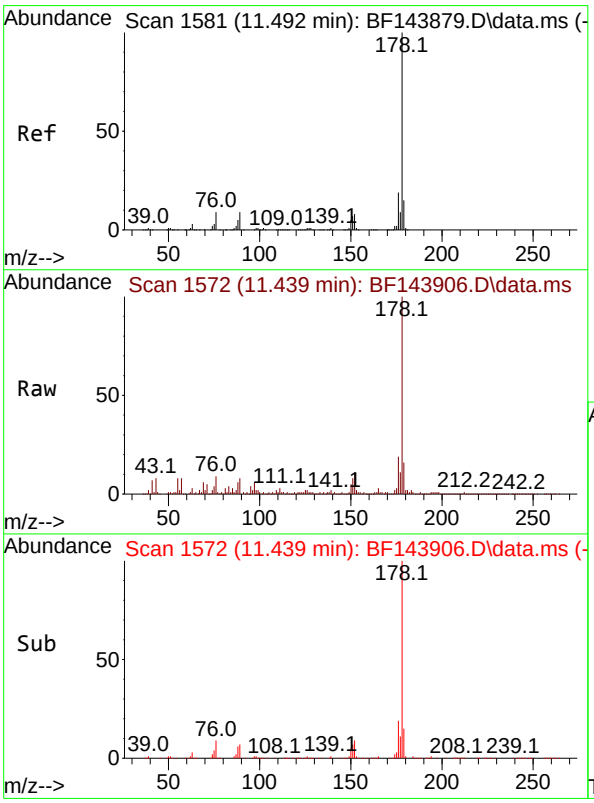
#71
Phenanthrene
Concen: 24.533 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Tgt Ion:178 Resp: 375911

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.9	23.9
179	15.6	12.4	18.6

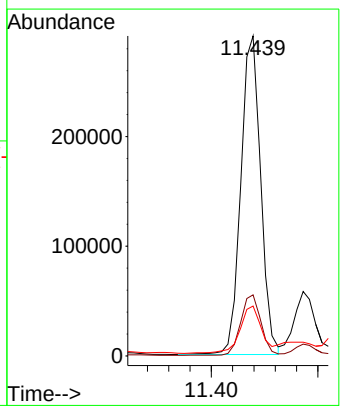


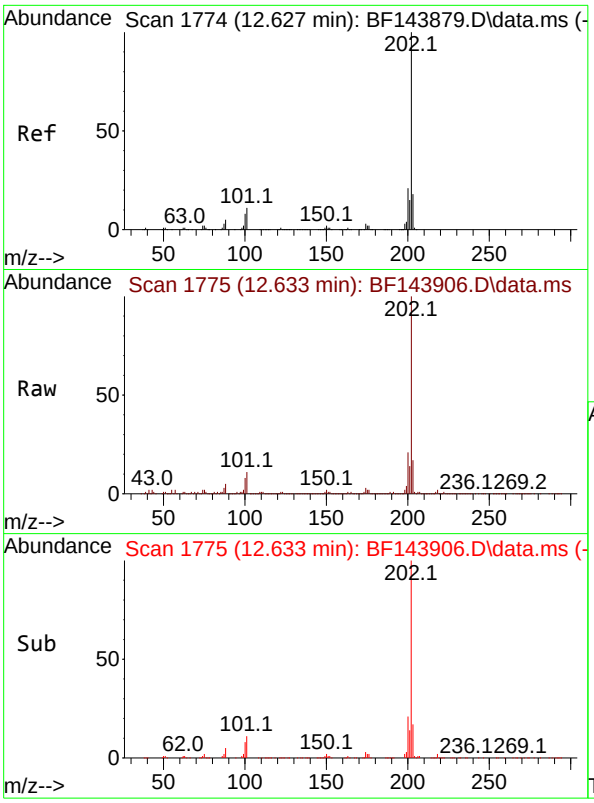


#72
Anthracene
Concen: 24.284 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.059 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Tgt Ion:178 Resp: 375911

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.9	22.3
179	15.6	12.2	18.2



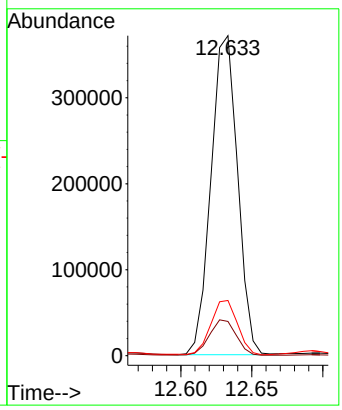


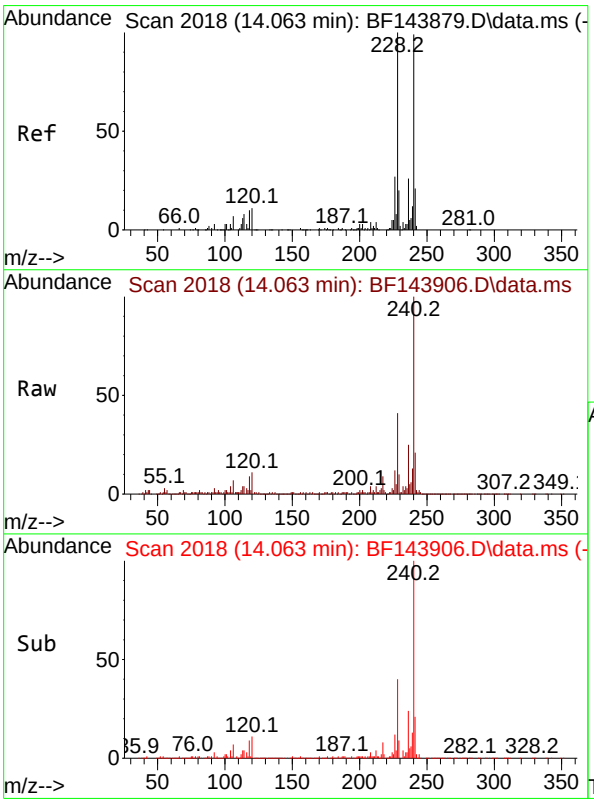
#75
Fluoranthene
Concen: 30.622 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Tgt Ion:202 Resp: 484654

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.7
203	17.2	0.0	37.8

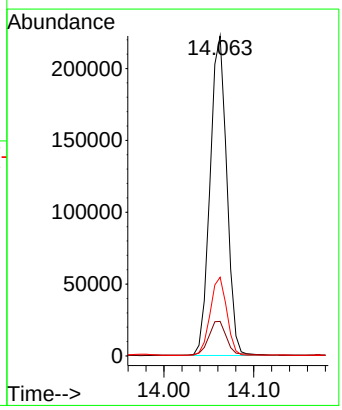


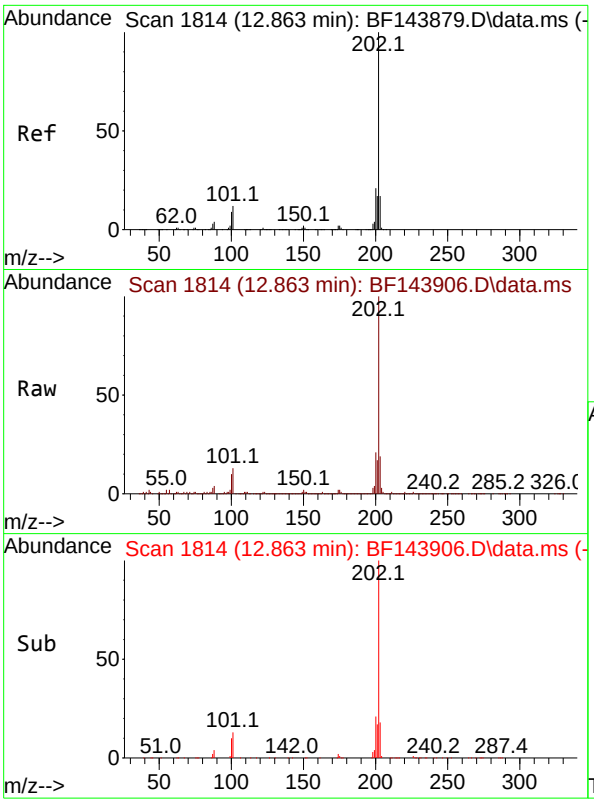


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Tgt Ion:240 Resp: 287326

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.6	13.0
236	24.6	21.1	31.7



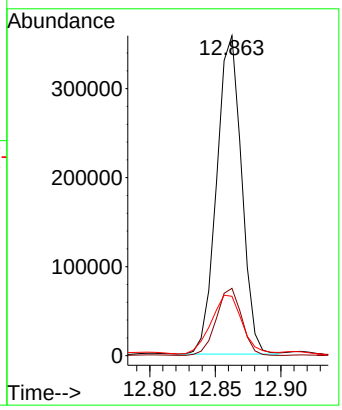


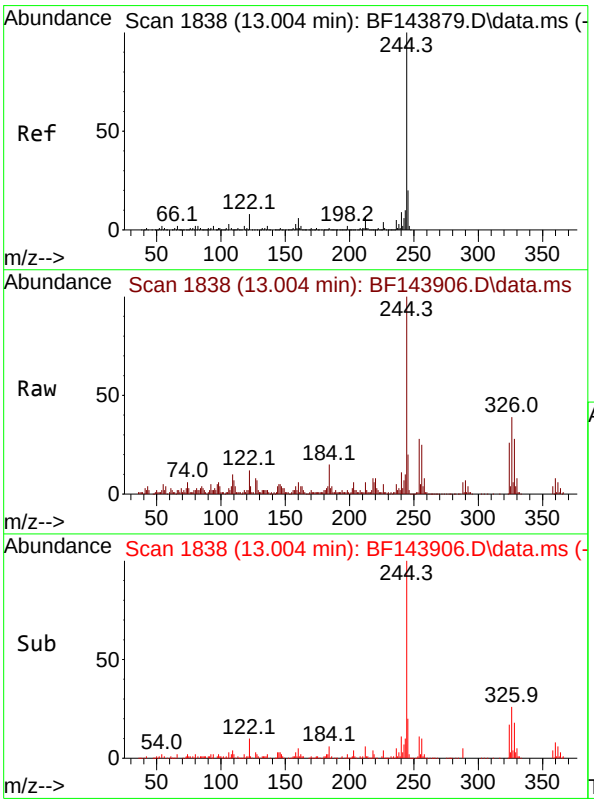
#78
Pyrene
Concen: 19.749 ng
RT: 12.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Tgt Ion:202 Resp: 473064

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.6
203	18.6	13.8	20.6

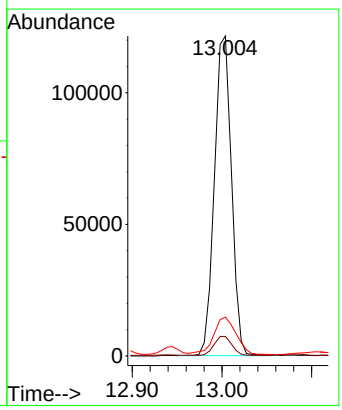


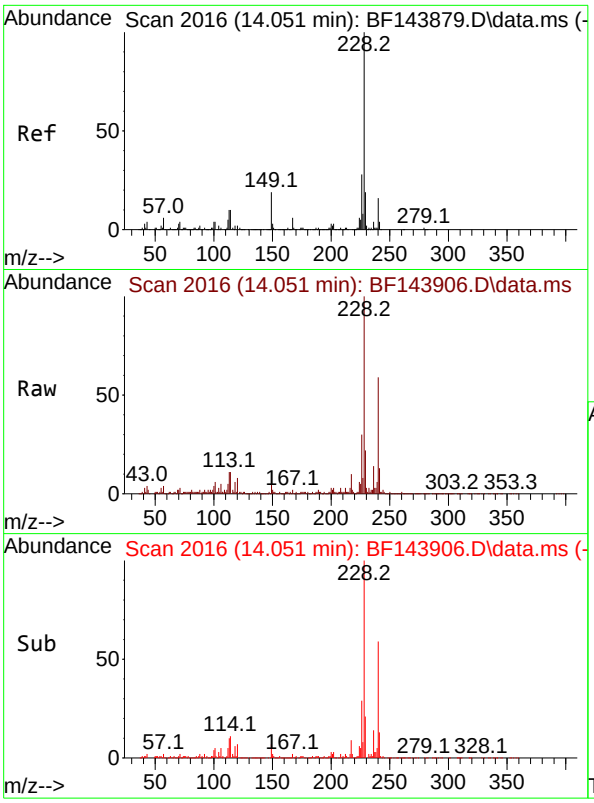


#79
Terphenyl-d14
Concen: 9.544 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Tgt Ion:244 Resp: 160456

Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	12.1	6.4	9.6#



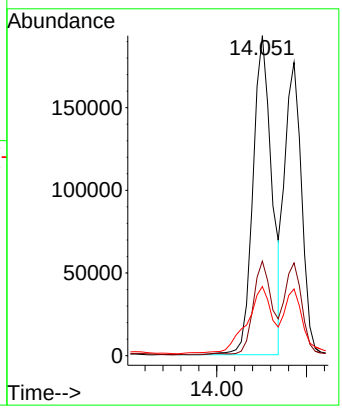


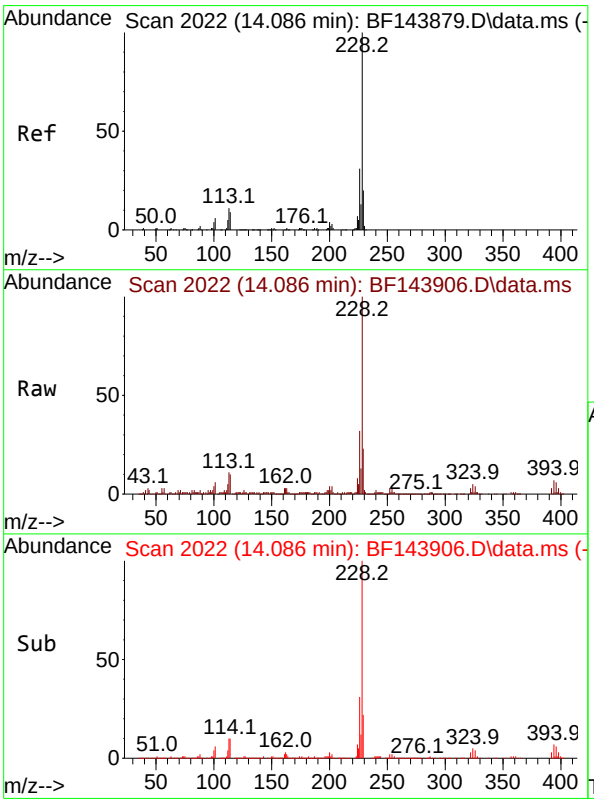
#81
Benzo(a)anthracene
Concen: 15.036 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Tgt Ion:228 Resp: 282718

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.2	33.2
229	21.6	15.6	23.4

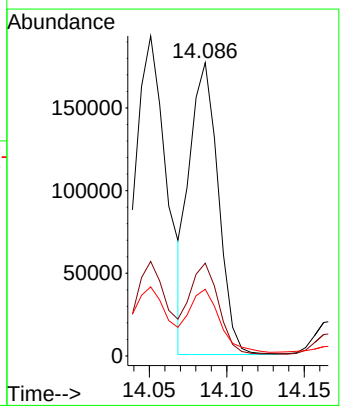


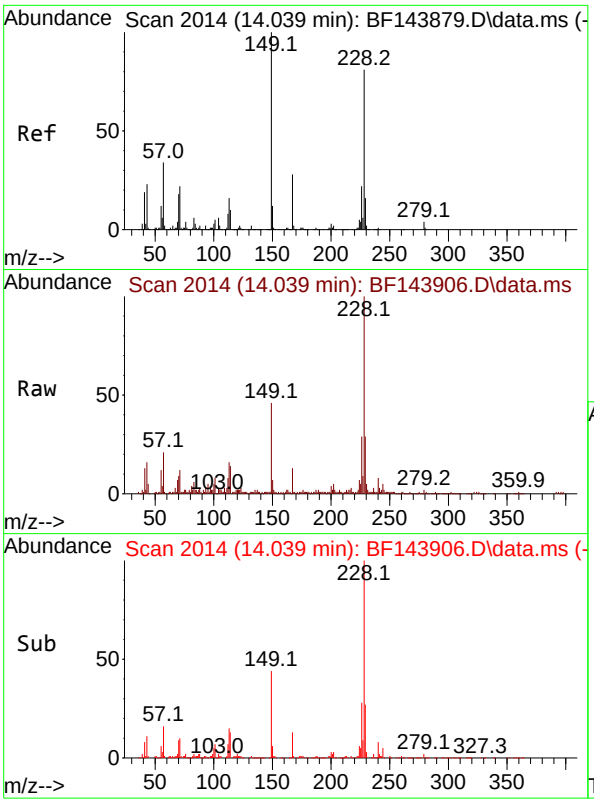


#83
Chrysene
Concen: 13.136 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Tgt Ion:228 Resp: 228604

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.4	36.6
229	22.7	15.9	23.9



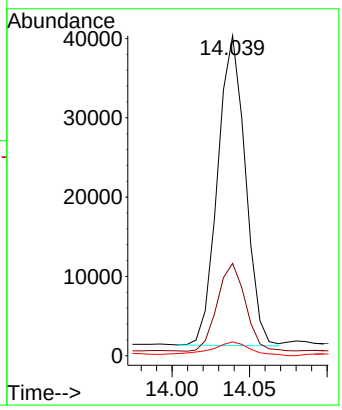


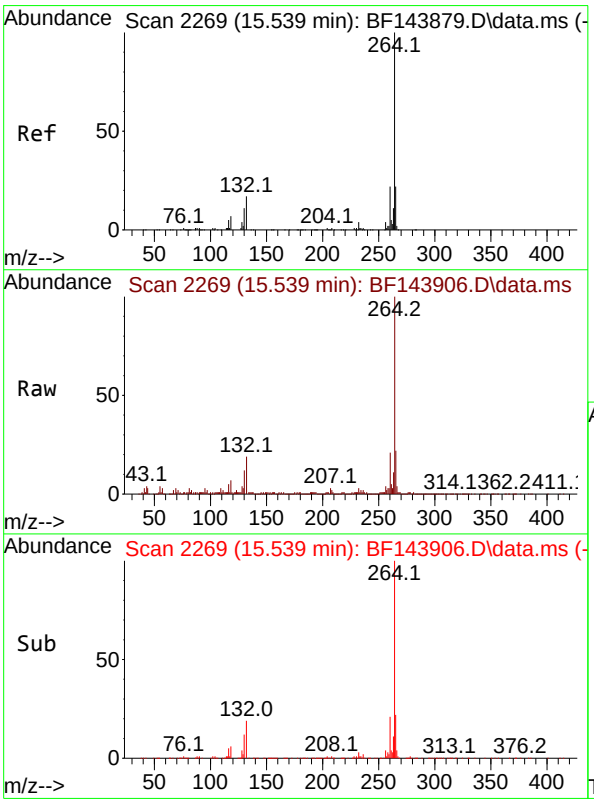
#84
Bis(2-ethylhexyl)phthalate
Concen: 5.179 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Tgt Ion:149 Resp: 48563

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.2	33.4
279	4.3	3.1	4.7

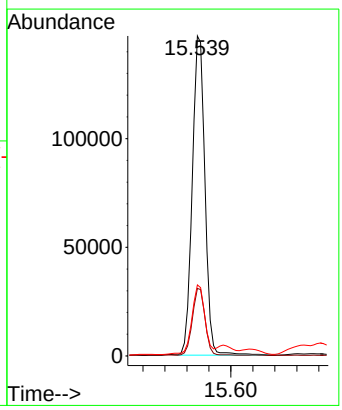


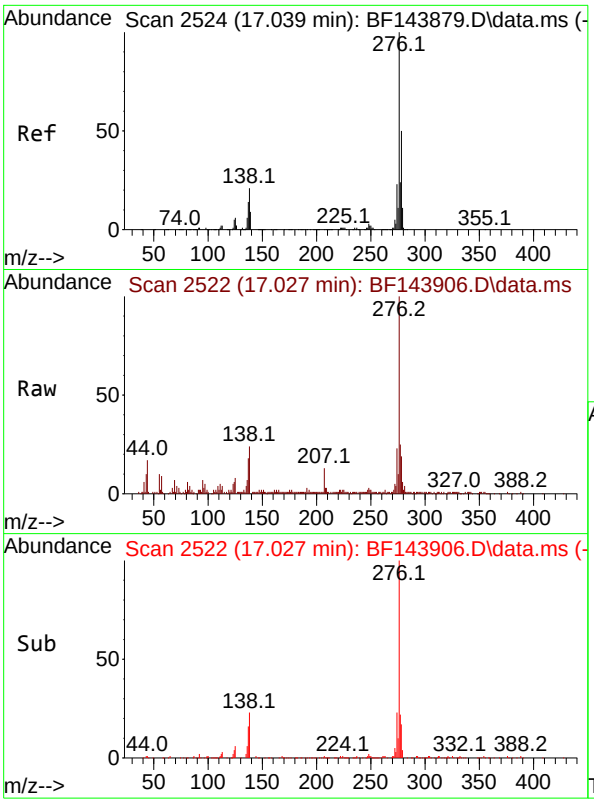


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Tgt Ion:264 Resp: 234519

Ion	Ratio	Lower	Upper
264	100		
260	21.1	17.8	26.8
265	22.2	17.5	26.3



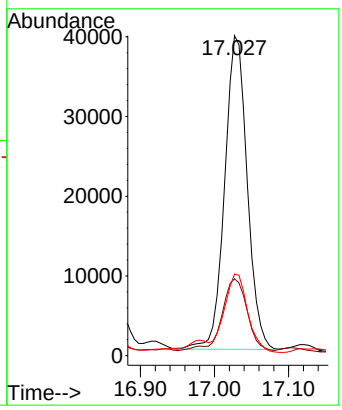


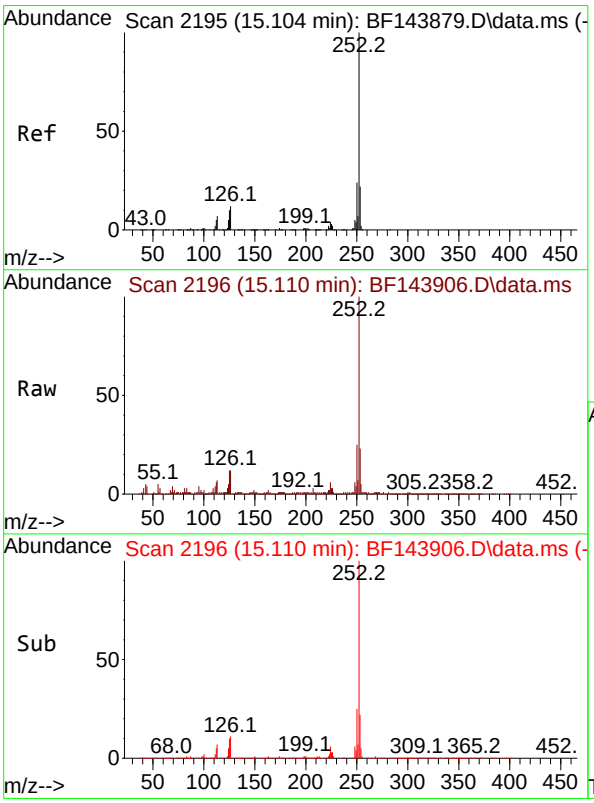
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.784 ng
RT: 17.027 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Tgt Ion:276 Resp: 83123

Ion	Ratio	Lower	Upper
276	100		
138	25.3	18.2	27.2
277	26.1	19.8	29.6

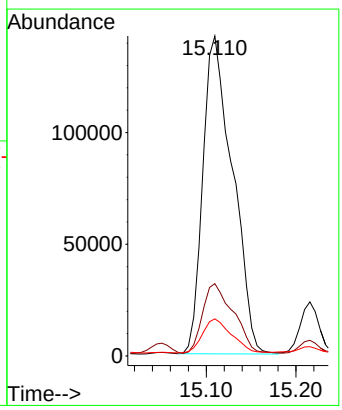


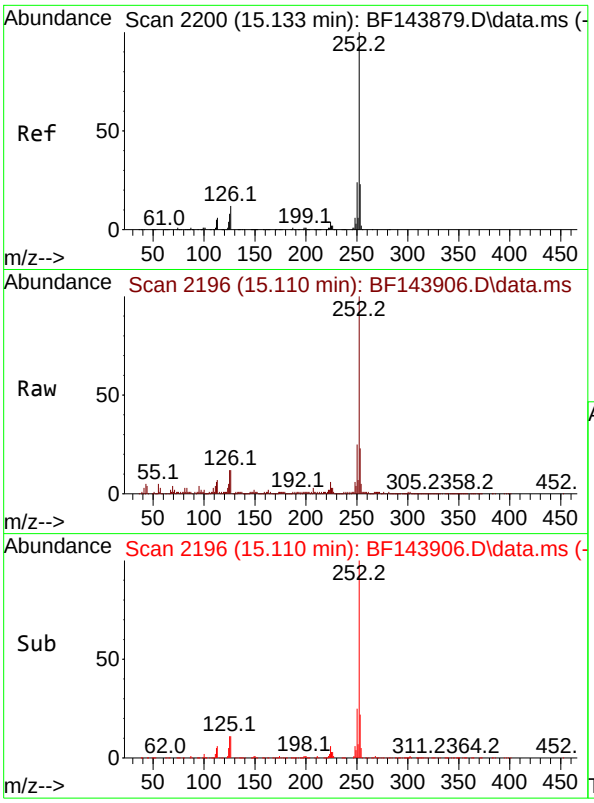


#88
Benzo(b)fluoranthene
Concen: 24.317 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Tgt Ion:252 Resp: 327580

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	11.6	7.8	11.6



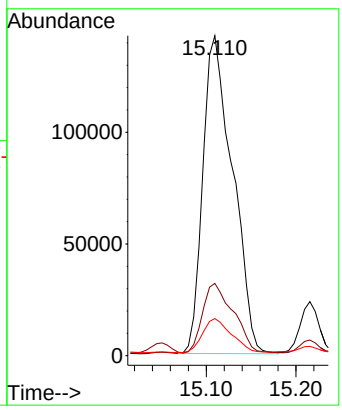


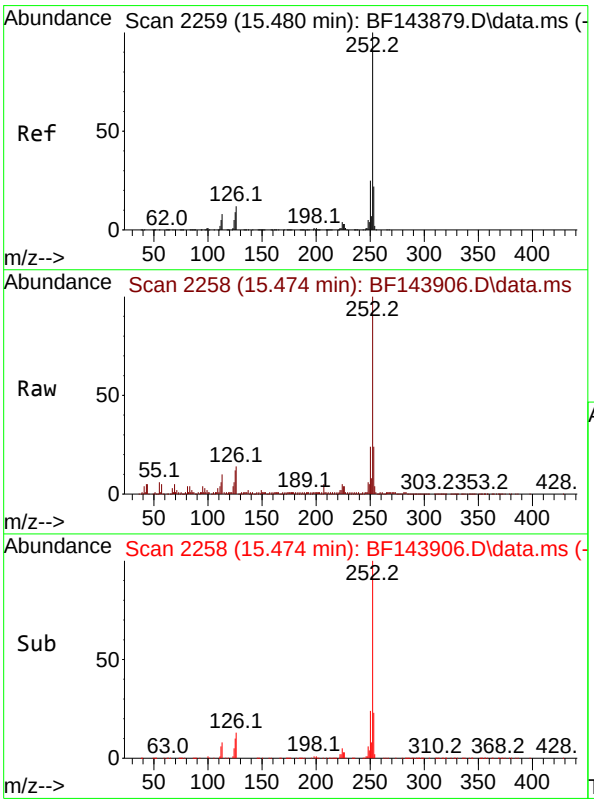
#89
Benzo(k)fluoranthene
Concen: 26.279 ng
RT: 15.110 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Tgt Ion:252 Resp: 327580

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	11.6	7.4	11.2#

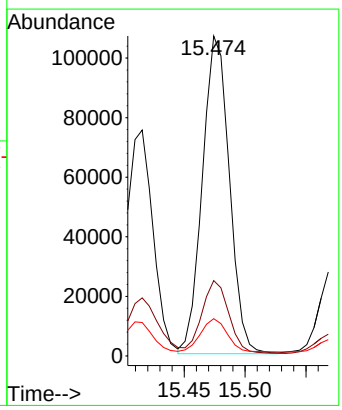


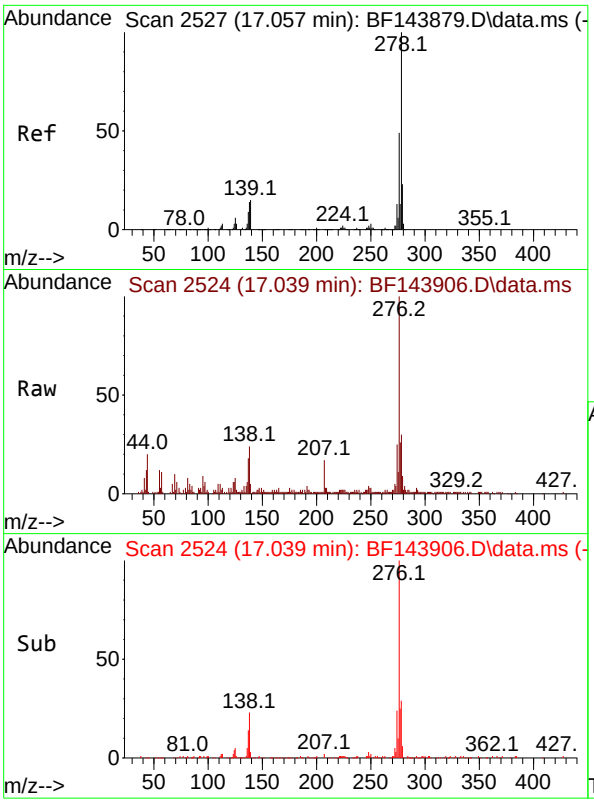


#90
Benzo(a)pyrene
Concen: 14.067 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Tgt Ion:252 Resp: 164320

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9
125	11.7	7.0	10.4#



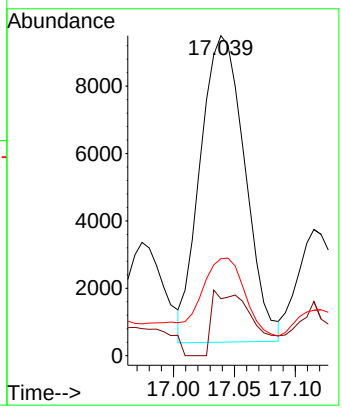


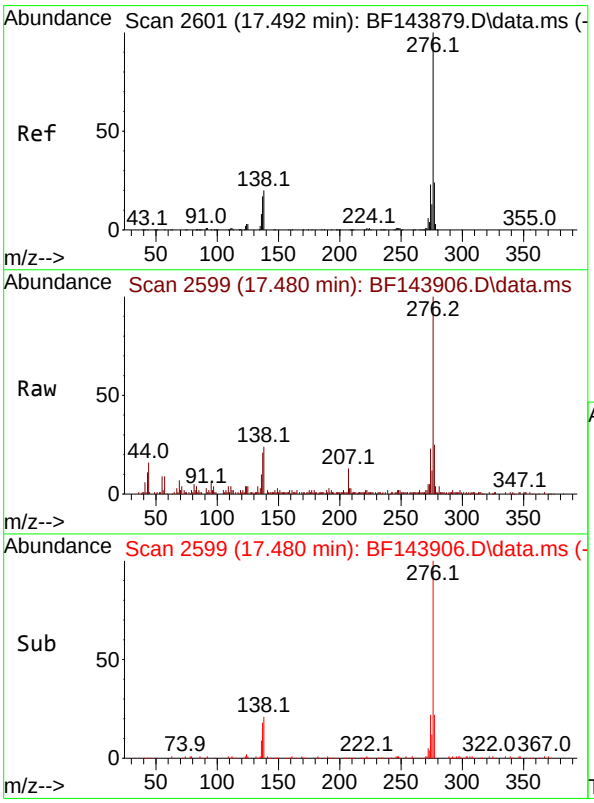
#91
Dibenzo(a,h)anthracene
Concen: 2.009 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.041 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Instrument :
BNA_F
ClientSampleId :
S-35(0-0.5)

Tgt Ion:278 Resp: 23221

Ion	Ratio	Lower	Upper
278	100		
139	17.8	11.7	17.5#
279	30.3	18.4	27.6#





#92
Benzo(g,h,i)perylene
Concen: 7.439 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.035 min
Lab File: BF143906.D
Acq: 08 Oct 2025 20:32

Tgt Ion:276 Resp: 85970

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.0	28.6
138	24.2	16.1	24.1#