Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142181.D
Acq On : 31 Mar 2025 15:28
Operator : RC/JU
Sample : Q1654-01DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Quant Time: Mar 31 16:04:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	109309	20.000	ng	-0.02
21) Naphthalene-d8	8.151	136	372579	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	204141	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	249442	20.000	ng	0.00
76) Chrysene-d12	14.039	240	264385	20.000	ng	0.00
86) Perylene-d12	15.510	264	329452	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	147966	22.592	ng	-0.02
7) Phenol-d6	6.481	99	188616	22.619	ng	-0.02
23) Nitrobenzene-d5	7.422	82	117098	17.687	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	41720	16.109	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	237777	17.714	ng	-0.02
79) Terphenyl-d14	12.975	244	204038	11.410	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	15970	2.980	ng	# 77
25) Isophorone	7.422	82	110833	9.471	ng	# 64
31) Naphthalene	8.175	128	2493124	130.266	ng	99
33) 4-Chloroaniline	8.175	127	343840	50.892	ng	# 34
37) 2-Methylnaphthalene	8.863	142	1817482	142.073	ng	100
38) 1-Methylnaphthalene	8.963	142	943424	76.424	ng	100
46) 1,1'-Biphenyl	9.322	154	645384	41.608	ng	100
49) Acenaphthylene	9.763	152	111640	6.507	ng	# 93
52) Acenaphthene	9.945	154	2169967	179.982	ng	99
54) 2,4-Dinitrophenol	10.163	184	843	7.031	ng	# 55
55) Dibenzofuran	10.116	168	2314411	134.345	ng	99
56) 4-Nitrophenol	10.116	139	974391	427.950	ng	# 5
57) 2,4-Dinitrotoluene	10.063	165	23299	5.993	ng	# 51
58) Fluorene	10.463	166	2608058	196.312	ng	100
62) 4-Nitroaniline	10.463	138	31160	10.601	ng	# 18
66) n-Nitrosodiphenylamine	10.586	169	42095	5.215	ng	# 1
71) Phenanthrene	11.433	178	6777463	503.034	ng	96
72) Anthracene	11.475	178	1100814	81.439	ng	99
73) Carbazole	11.622	167	329283	28.247	ng	99
75) Fluoranthene	12.622	202	4569087	319.698	ng	97
78) Pyrene	12.622	202	4569087	199.789	ng	98
81) Benzo(a)anthracene	14.027	228	1106381	63.772	ng	98
83) Chrysene	14.063	228	806822	51.304	ng	97
88) Benzo(b)fluoranthene	15.080	252	804567	35.633	ng	98
89) Benzo(k)fluoranthene	15.080	252	804567	41.639	ng	99
90) Benzo(a)pyrene	15.445	252	333297	18.865	ng	99
91) Dibenzo(a,h)anthracene	17.004	278	37697	2.144	ng	94
92) Benzo(g,h,i)perylene	17.439	276	89231	5.135	ng	98

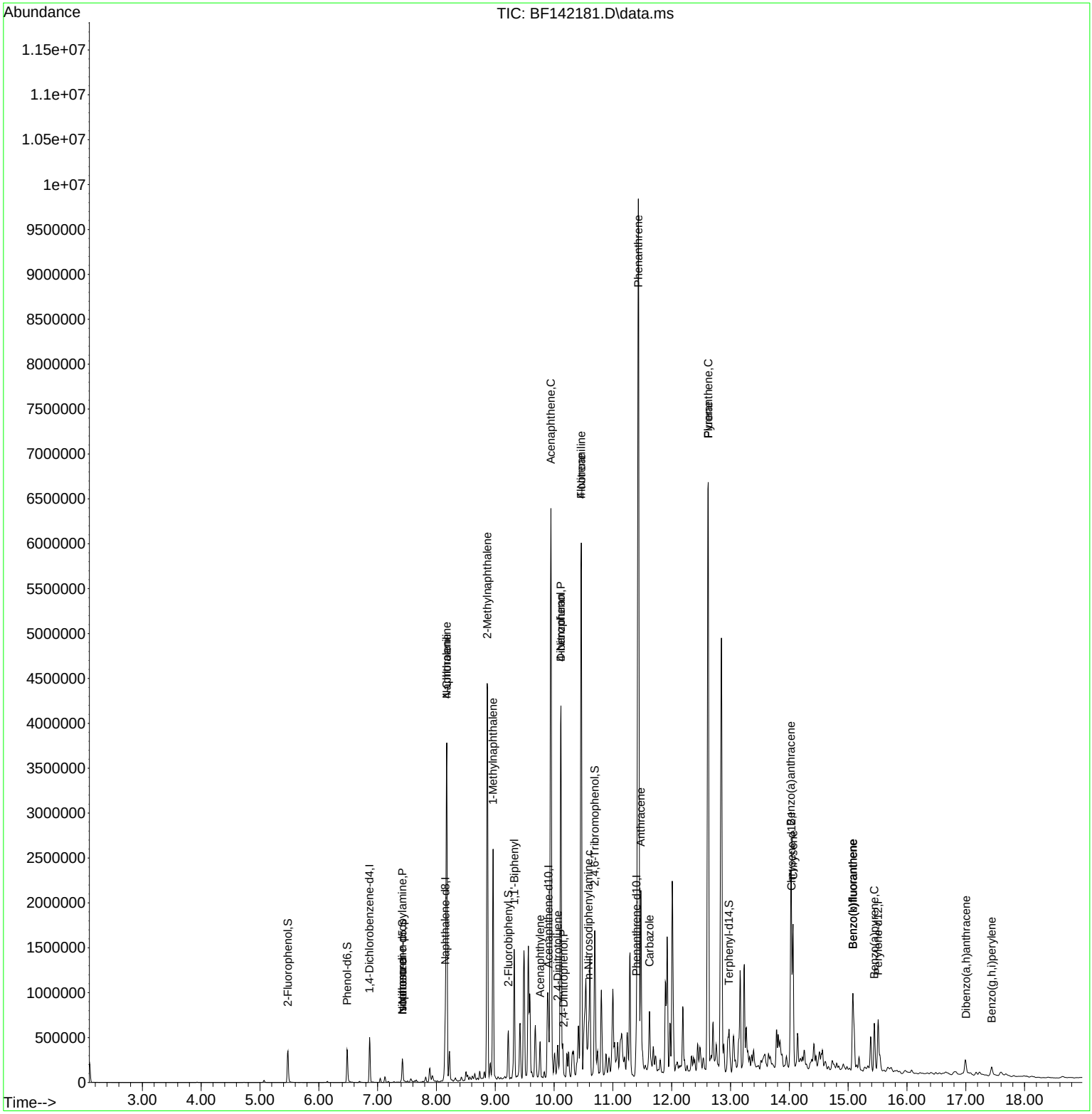
(#) = qualifier out of range (m) = manual integration (+) = signals summed

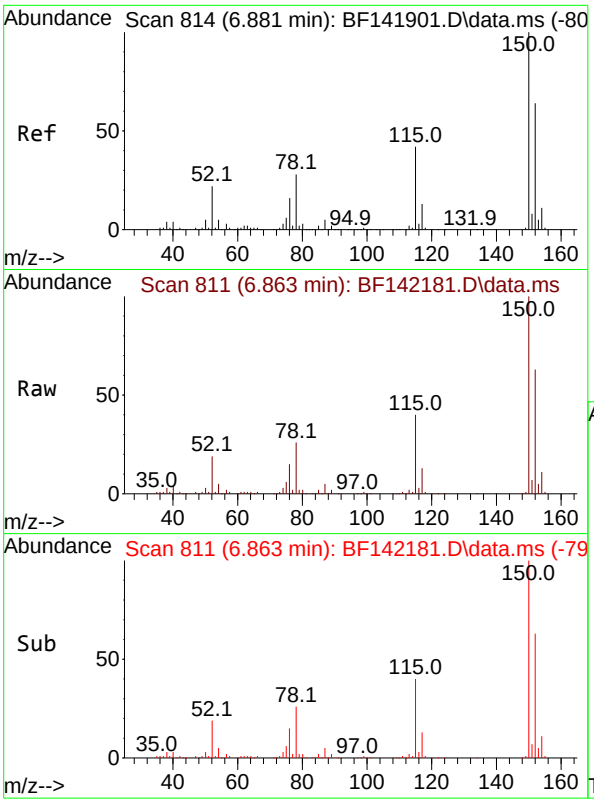
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142181.D
Acq On : 31 Mar 2025 15:28
Operator : RC/JU
Sample : Q1654-01DL 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Quant Time: Mar 31 16:04:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



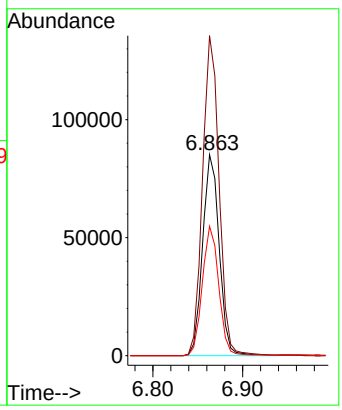


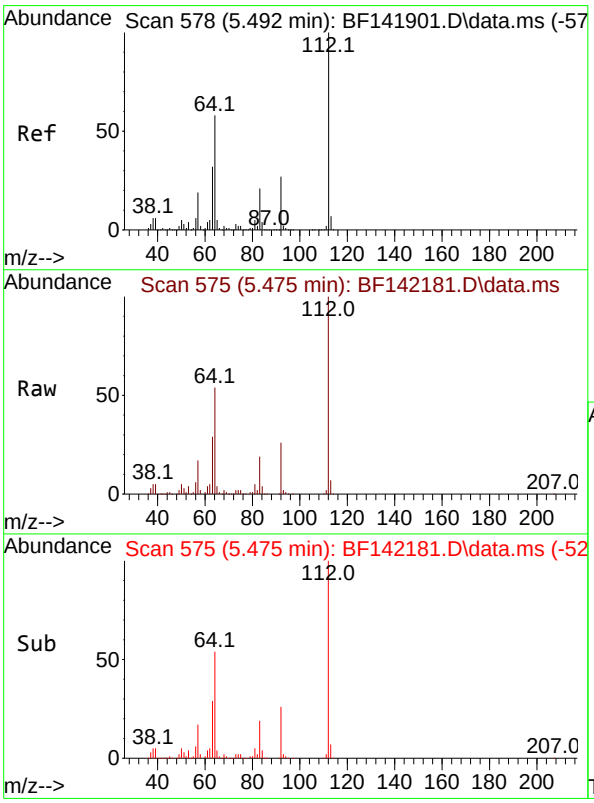
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion:152 Resp: 109309

Ion	Ratio	Lower	Upper
152	100		
150	159.2	127.4	191.2
115	64.4	51.9	77.9

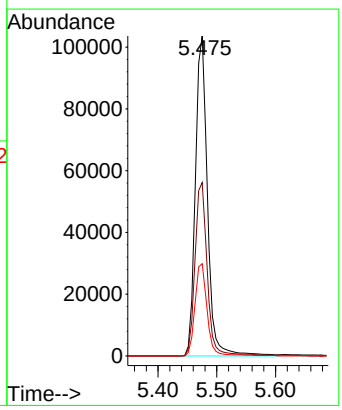


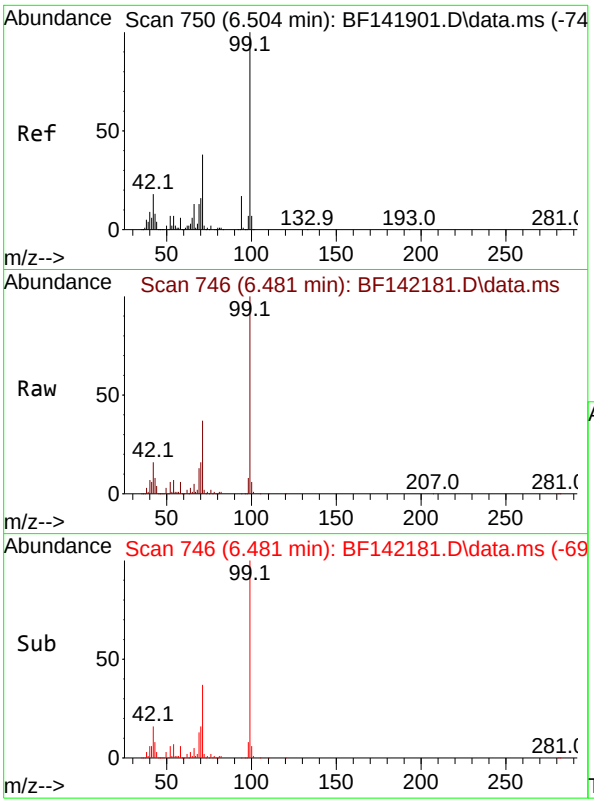


#5
2-Fluorophenol
Concen: 22.592 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.017 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion:112 Resp: 147966

Ion	Ratio	Lower	Upper
112	100		
64	54.2	46.5	69.7
63	28.8	25.4	38.2



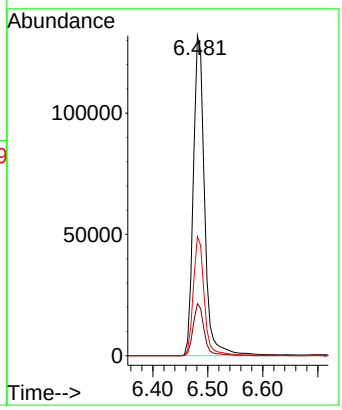


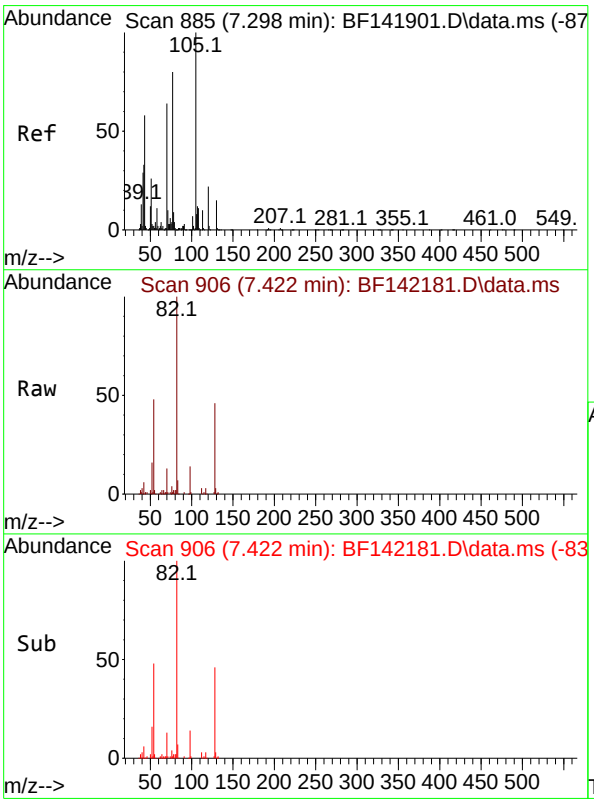
#7
Phenol-d6
Concen: 22.619 ng
RT: 6.481 min Scan# 7
Delta R.T. -0.023 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion: 99 Resp: 188616

Ion	Ratio	Lower	Upper
99	100		
42	16.2	14.6	21.8
71	37.2	30.8	46.2

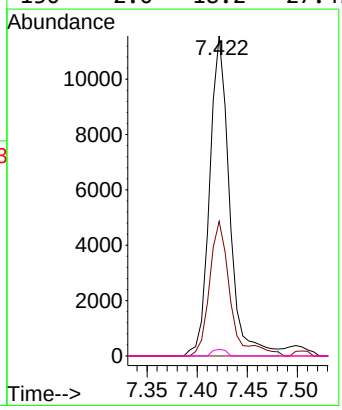


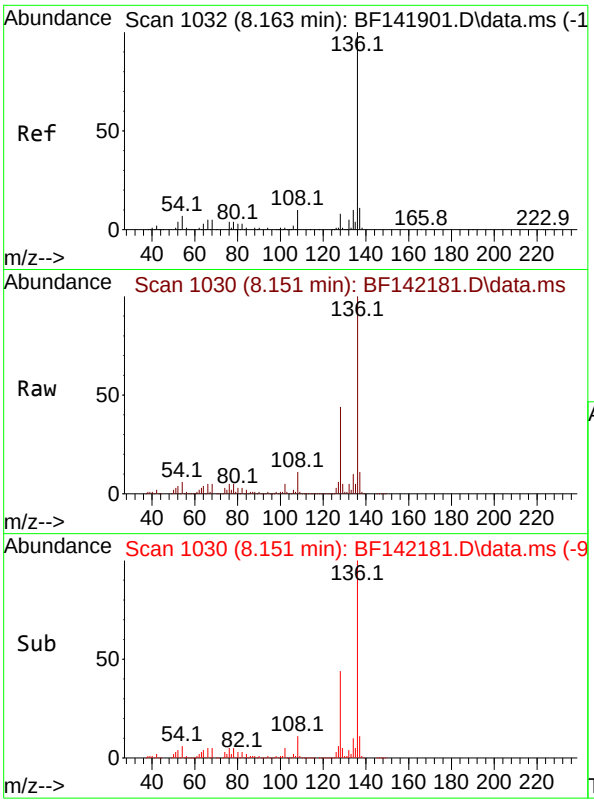


#19
n-Nitroso-di-n-propylamine
Concen: 2.980 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.124 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion: 70 Resp: 15970

Ion	Ratio	Lower	Upper
70	100		
42	42.0	41.4	62.0
101	0.0	8.2	12.2#
130	2.0	18.2	27.4#



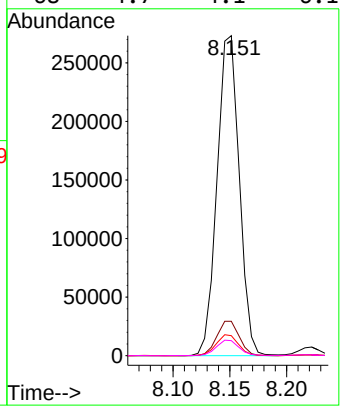


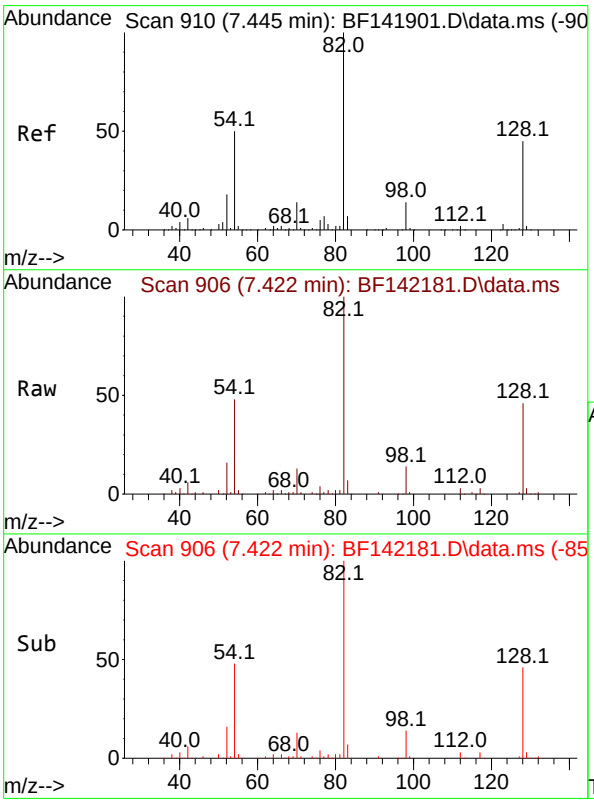
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion:136 Resp: 372579

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.3	5.8	8.8
68	4.7	4.1	6.1

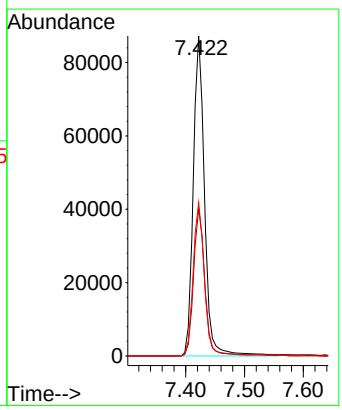


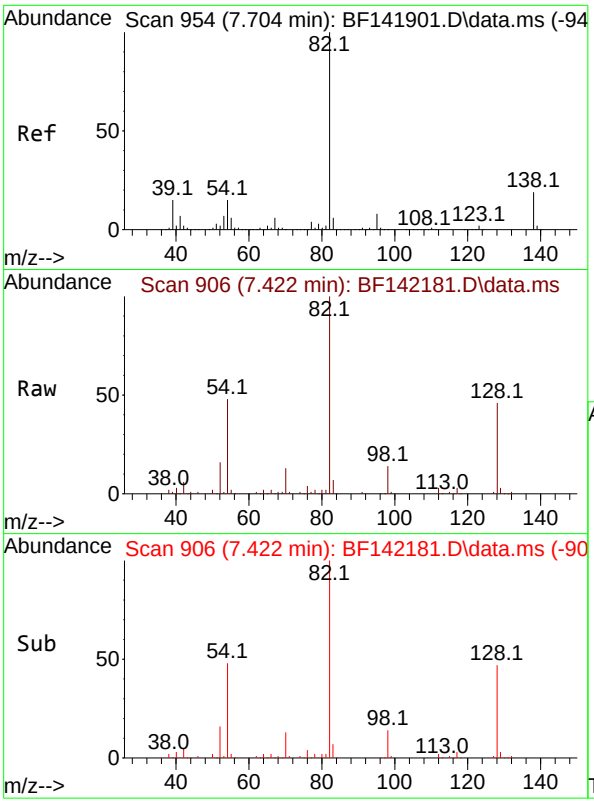


#23
Nitrobenzene-d5
Concen: 17.687 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.023 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion: 82 Resp: 117098

Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.0	54.0
54	47.9	39.6	59.4



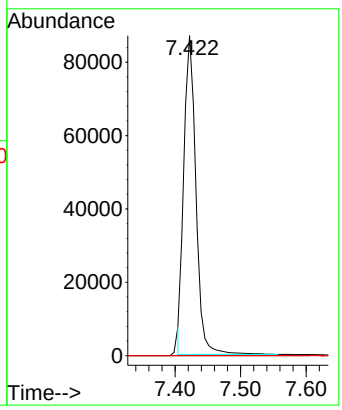


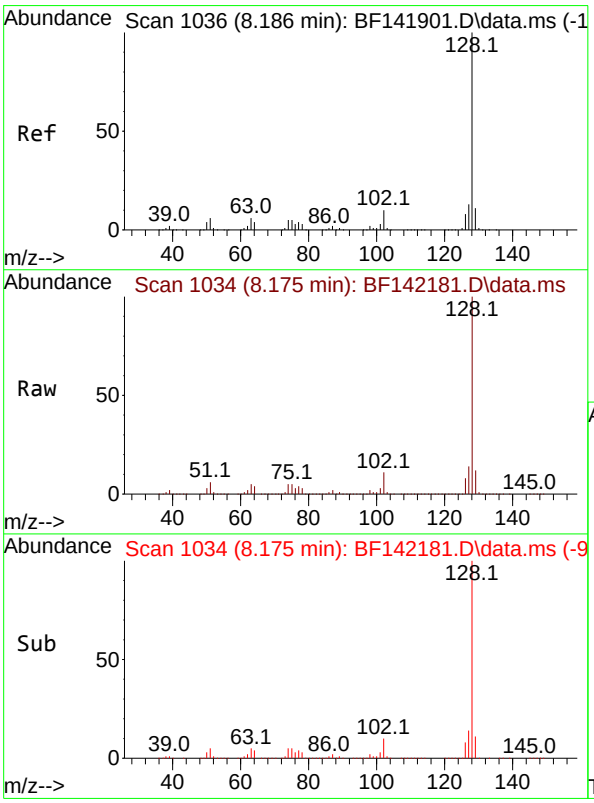
#25
Isophorone
Concen: 9.471 ng
RT: 7.422 min Scan# 9
Delta R.T. -0.282 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion: 82 Resp: 110833

Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.4	9.6#
138	0.0	14.9	22.3#

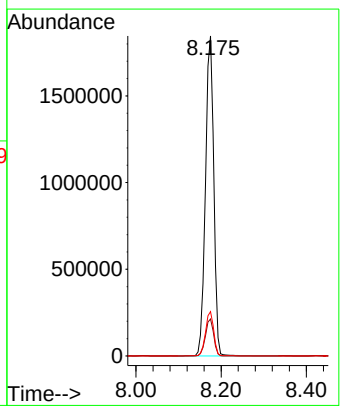


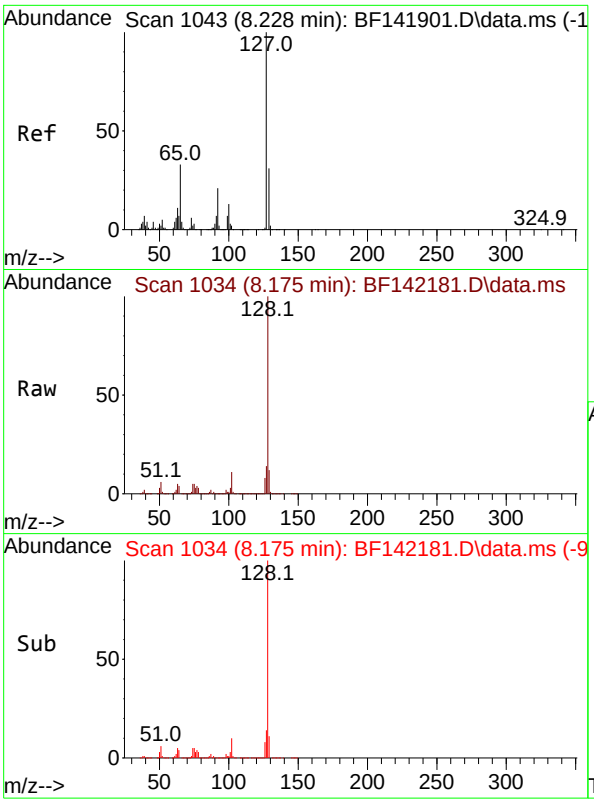


#31
Naphthalene
Concen: 130.266 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion:128 Resp: 2493124

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.6
127	13.9	10.8	16.2



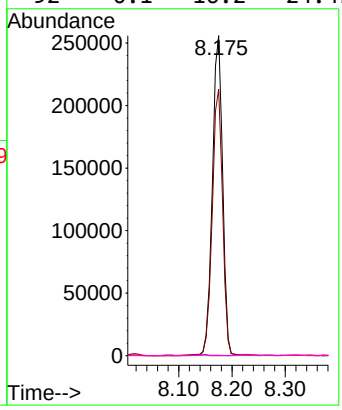


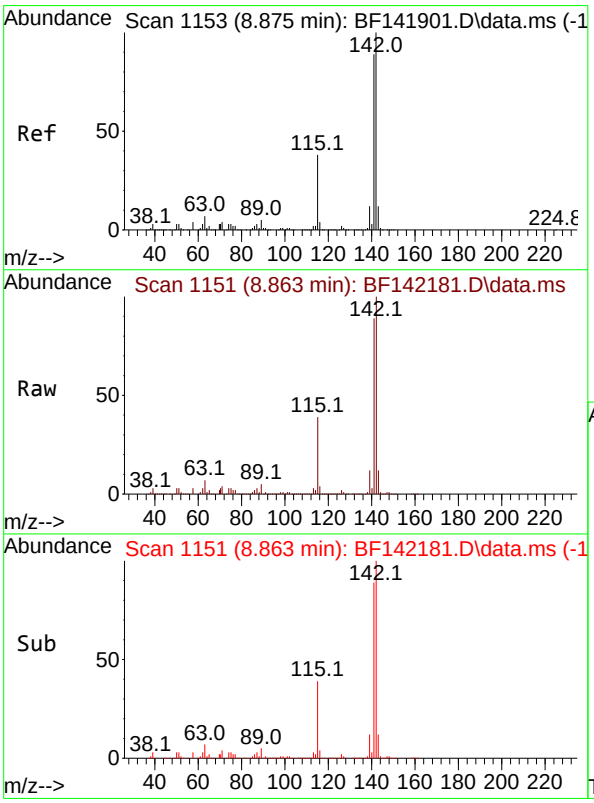
#33
4-Chloroaniline
Concen: 50.892 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.053 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion:127 Resp: 343840

Ion	Ratio	Lower	Upper
127	100		
129	83.2	26.2	39.4#
65	0.0	25.4	38.2#
92	0.1	16.2	24.4#

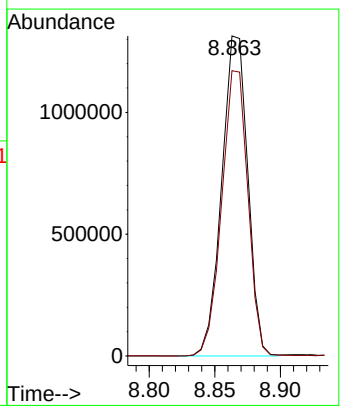


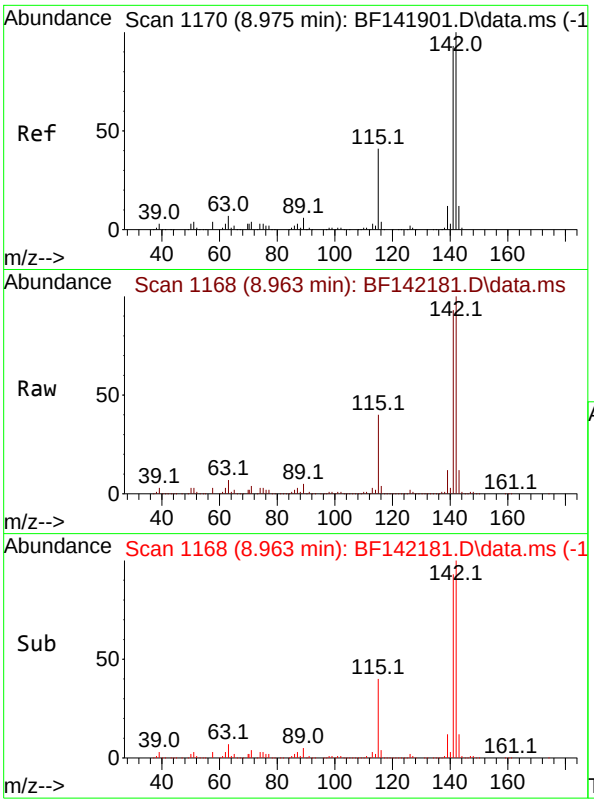


#37
2-Methylnaphthalene
Concen: 142.073 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.012 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion:142 Resp: 1817482

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.2	106.8



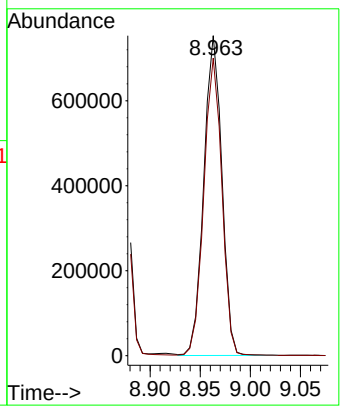


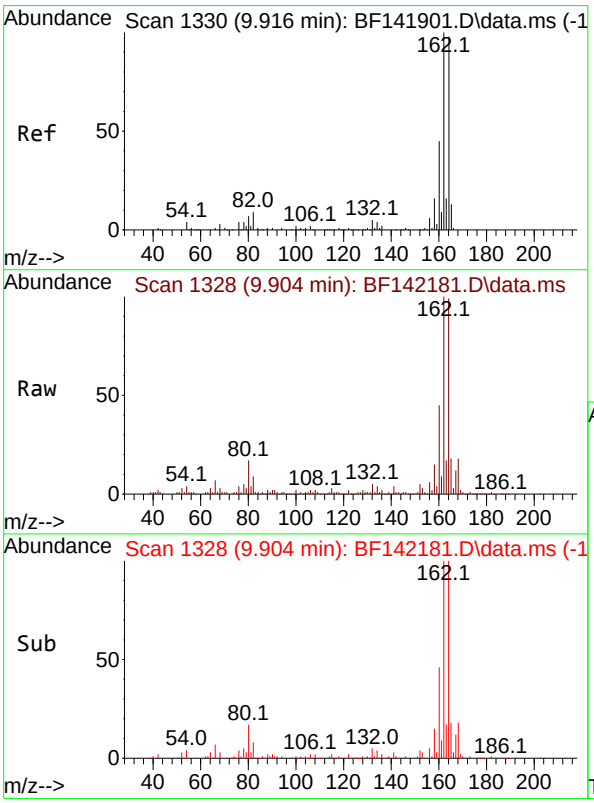
#38
1-Methylnaphthalene
Concen: 76.424 ng
RT: 8.963 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion:142 Resp: 943424

Ion	Ratio	Lower	Upper
142	100		
141	93.0	74.2	111.4

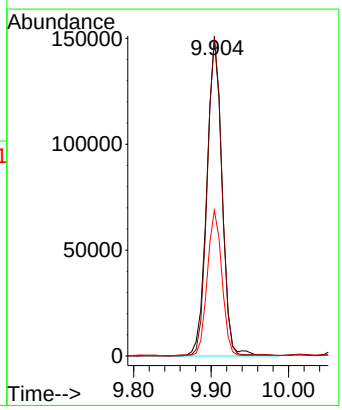


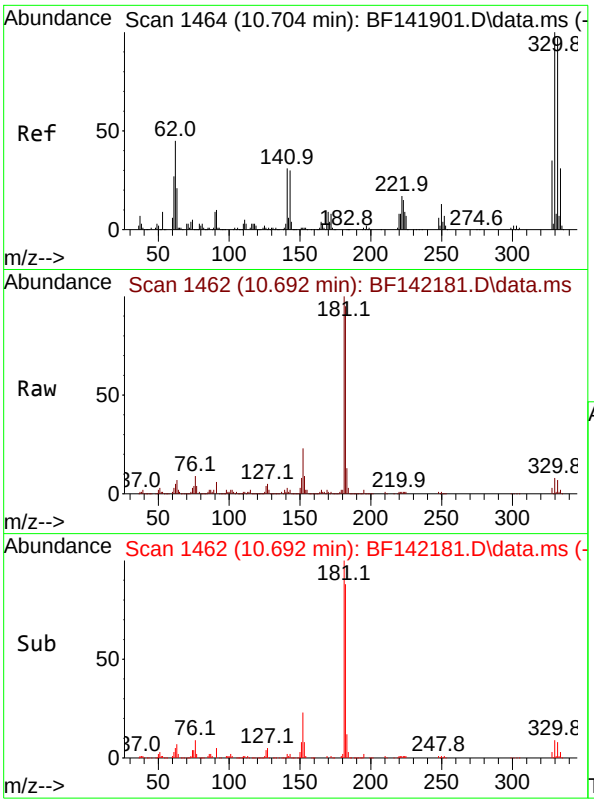


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion:164 Resp: 204141

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.8	122.6
160	46.0	36.7	55.1



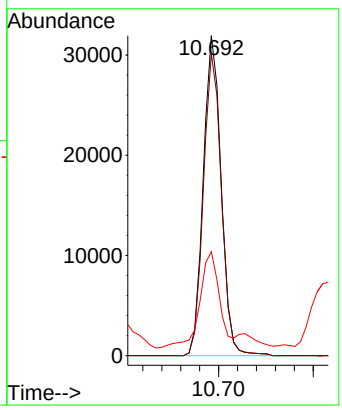


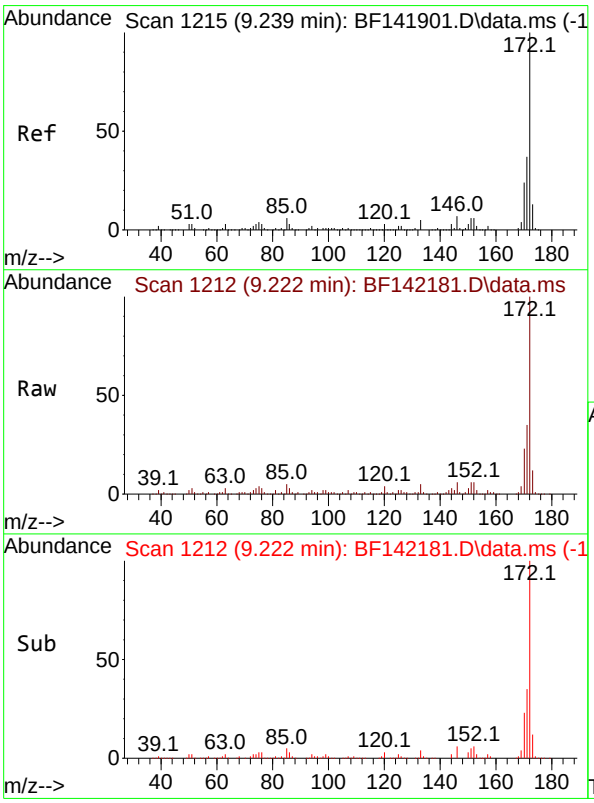
#42
2,4,6-Tribromophenol
Concen: 16.109 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion:330 Resp: 41720

Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.6	116.4
141	33.3	24.7	37.1

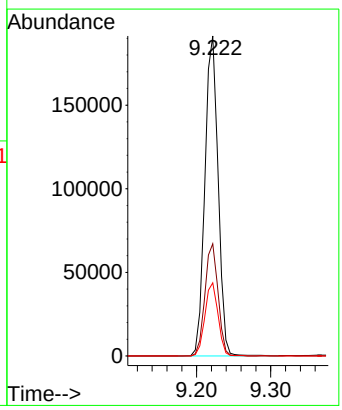


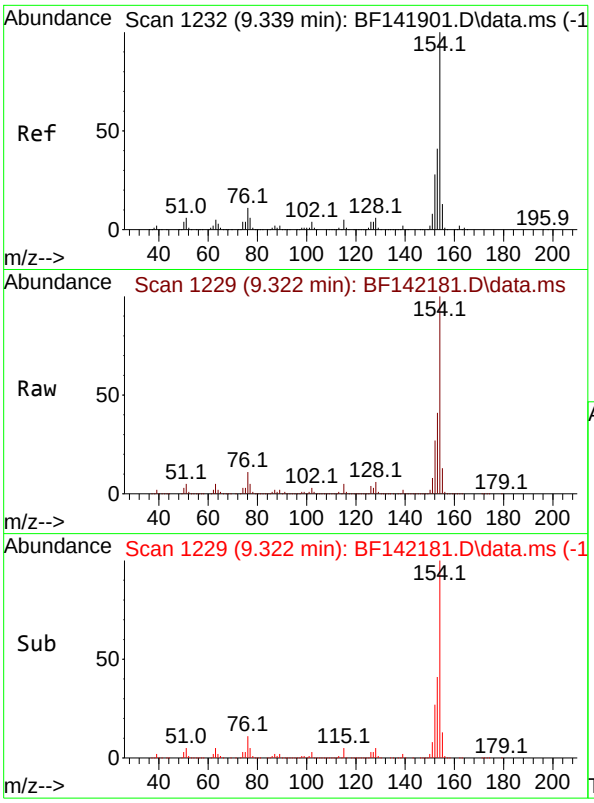


#45
2-Fluorobiphenyl
Concen: 17.714 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.017 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion:172 Resp: 237777

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.3	43.9
170	22.8	19.4	29.0



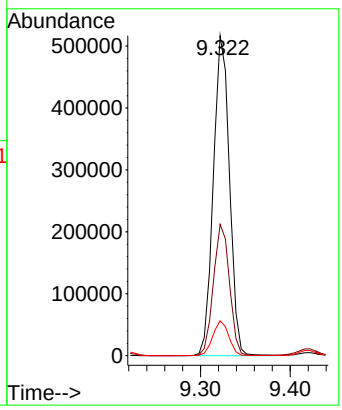


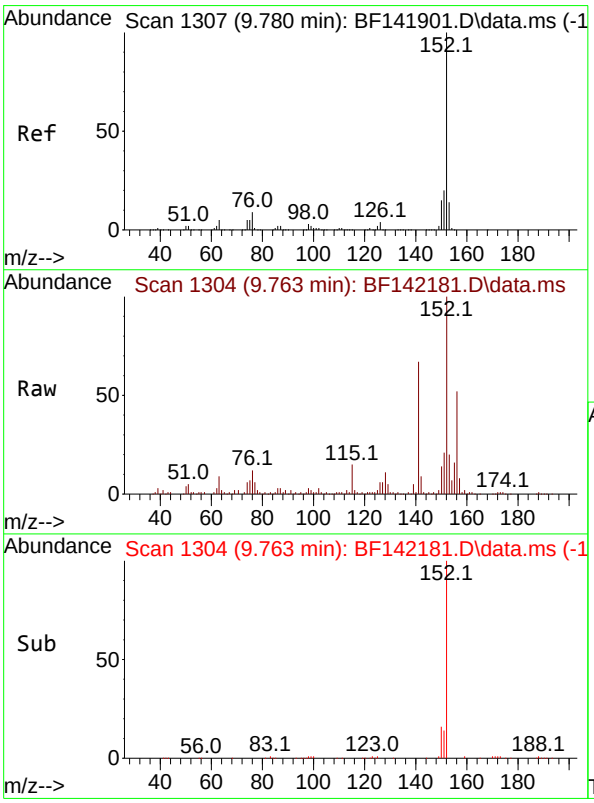
#46
1,1'-Biphenyl
Concen: 41.608 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion:154 Resp: 645384

Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.1	61.1
76	10.9	0.0	31.3

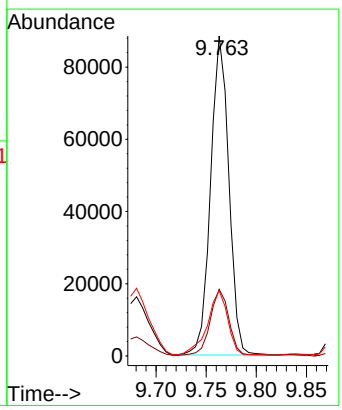


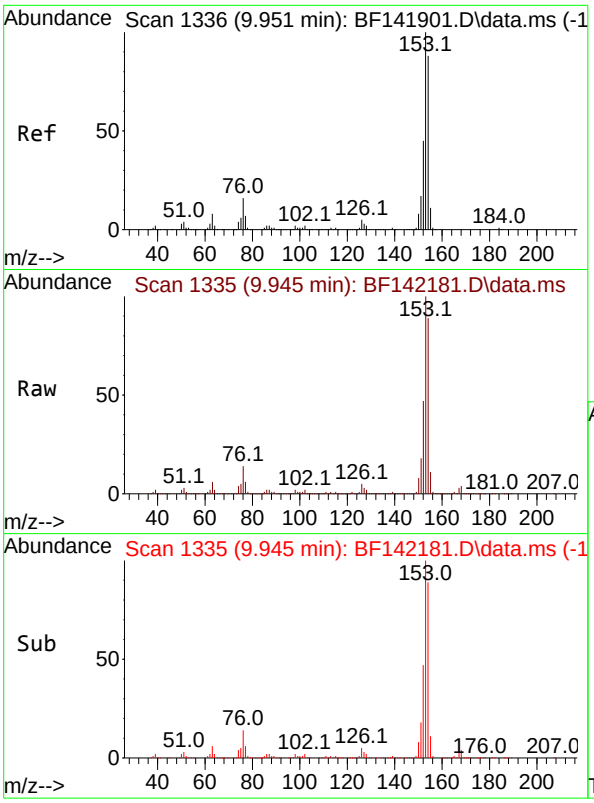


#49
Acenaphthylene
Concen: 6.507 ng
RT: 9.763 min Scan# 1304
Delta R.T. -0.017 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion:152 Resp: 111640

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.3	24.5
153	20.4	11.1	16.7#



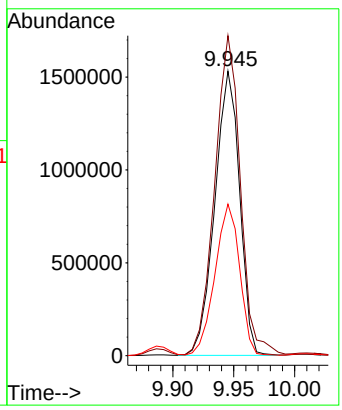


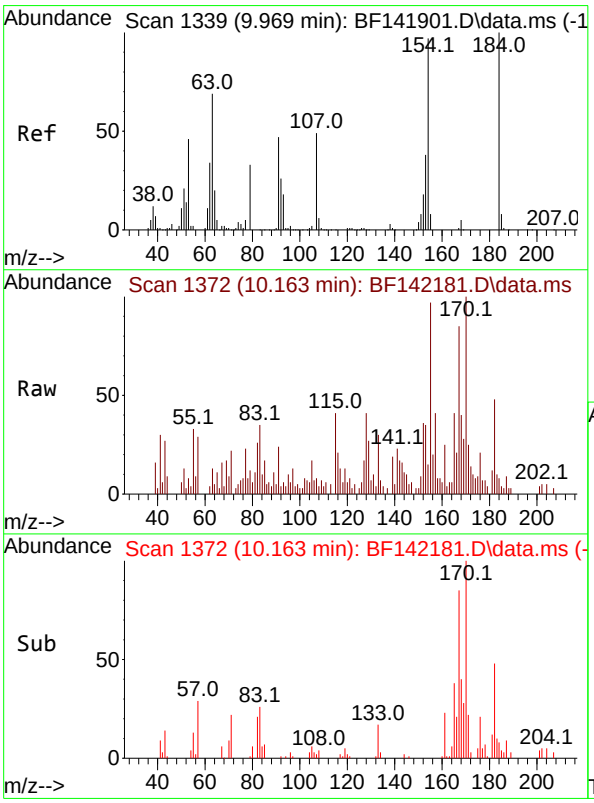
#52
Acenaphthene
Concen: 179.982 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion:154 Resp: 2169967

Ion	Ratio	Lower	Upper
154	100		
153	112.5	90.7	136.1
152	53.3	41.1	61.7

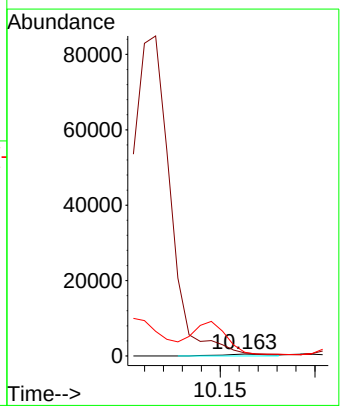


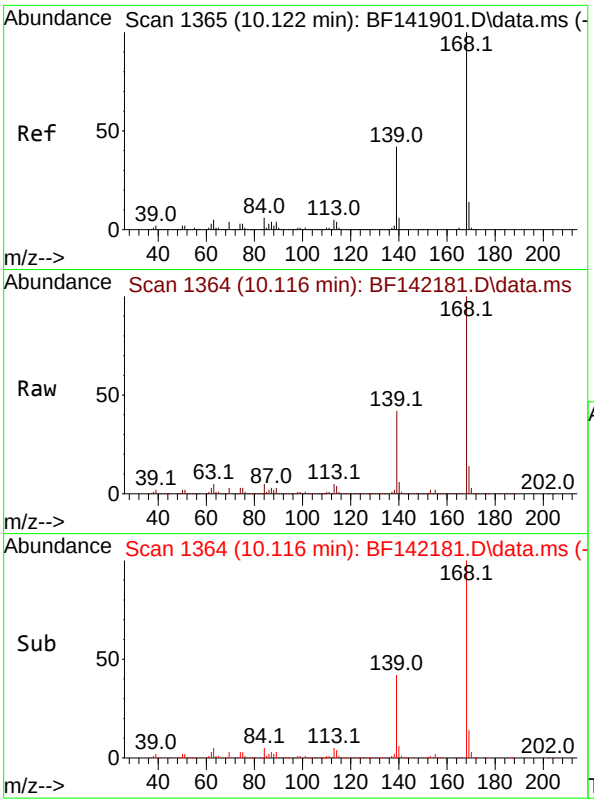


#54
2,4-Dinitrophenol
Concen: 7.031 ng
RT: 10.163 min Scan# 1372
Delta R.T. 0.194 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion:184 Resp: 843

Ion	Ratio	Lower	Upper
184	100		
63	160.5	60.2	90.4#
154	192.9	132.9	199.3



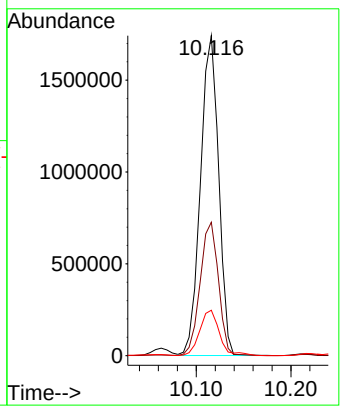


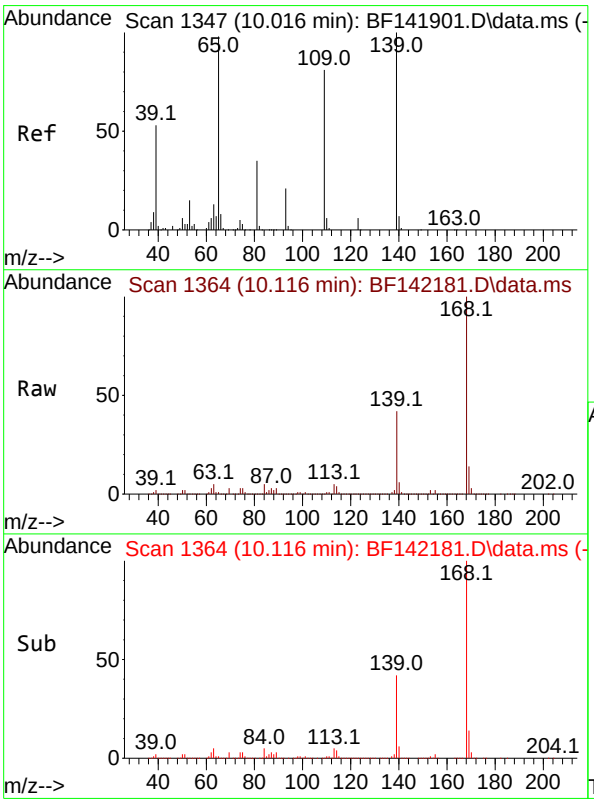
#55
Dibenzofuran
Concen: 134.345 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion:168 Resp: 2314411

Ion	Ratio	Lower	Upper
168	100		
139	41.7	33.9	50.9
169	14.2	11.0	16.4

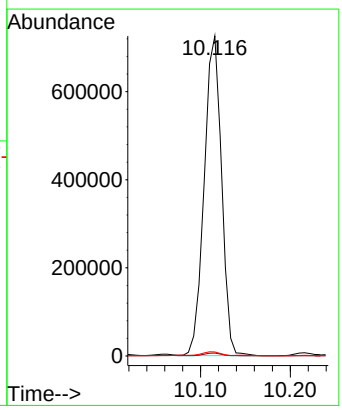


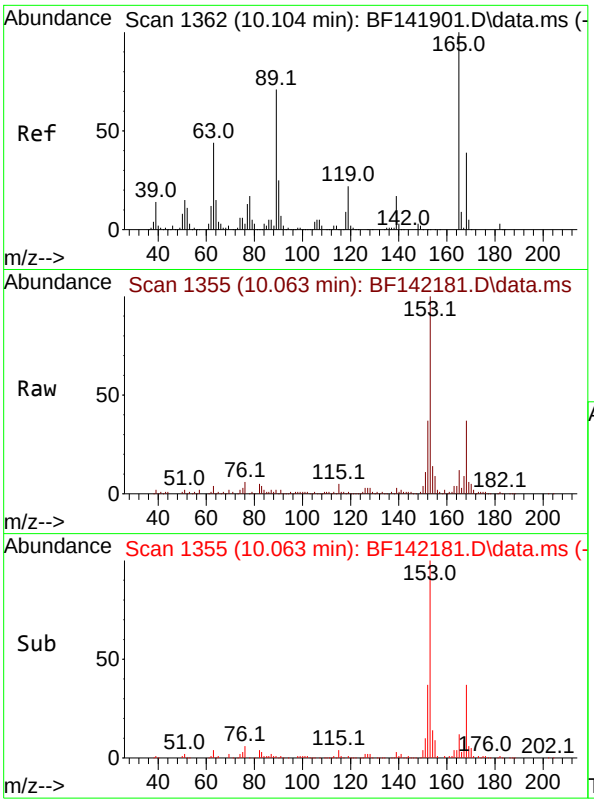


#56
4-Nitrophenol
Concen: 427.950 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.100 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion:139 Resp: 974391

Ion	Ratio	Lower	Upper
139	100		
109	0.9	61.6	101.6#
65	1.3	79.4	119.4#



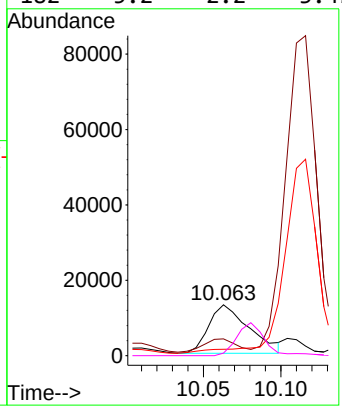


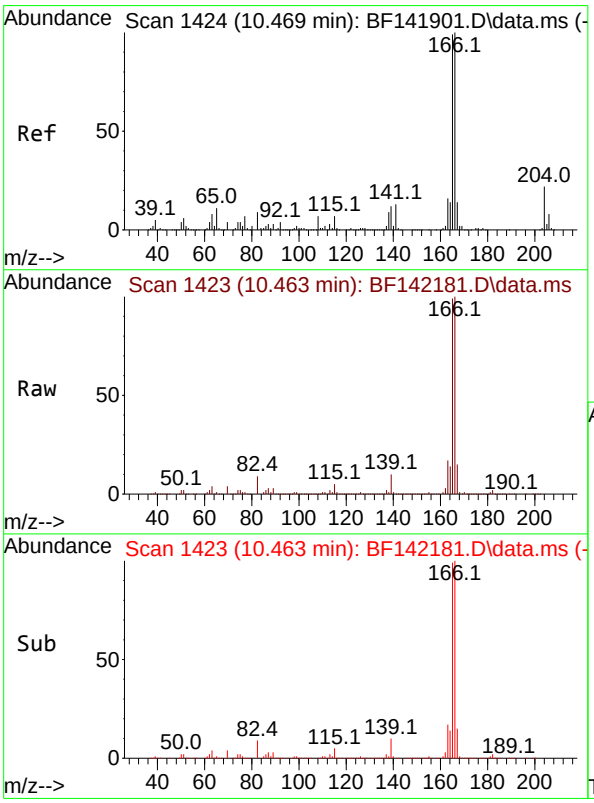
#57
2,4-Dinitrotoluene
Concen: 5.993 ng
RT: 10.063 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion:165 Resp: 23299

Ion	Ratio	Lower	Upper
165	100		
63	33.1	35.4	53.2#
89	12.6	56.6	84.8#
182	5.2	2.2	3.4#

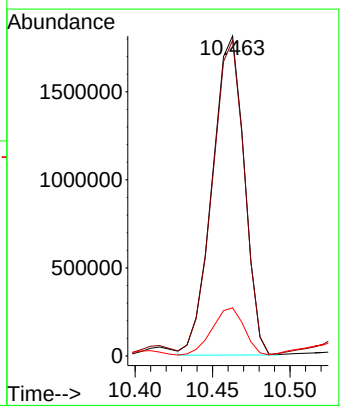


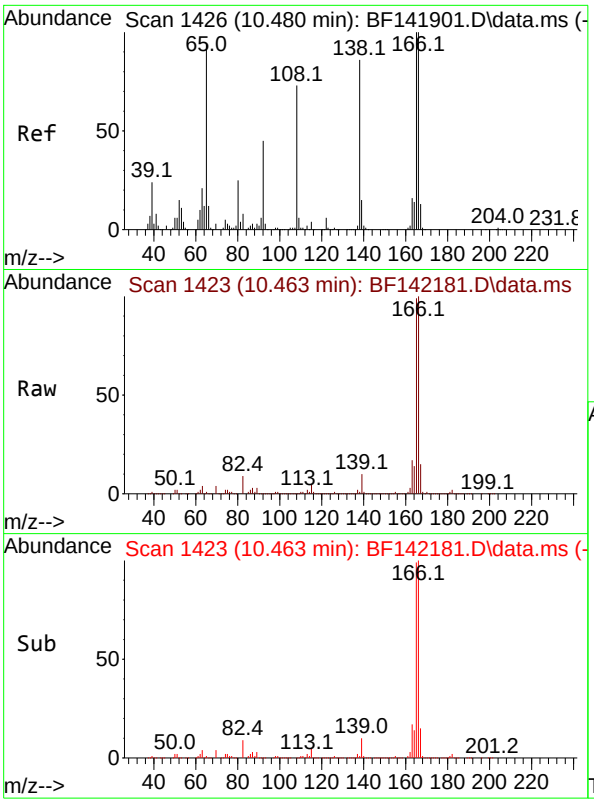


#58
Fluorene
Concen: 196.312 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion:166 Resp: 2608058

Ion	Ratio	Lower	Upper
166	100		
165	98.6	79.0	118.4
167	15.0	11.0	16.4



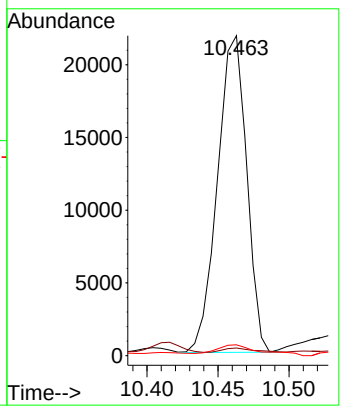


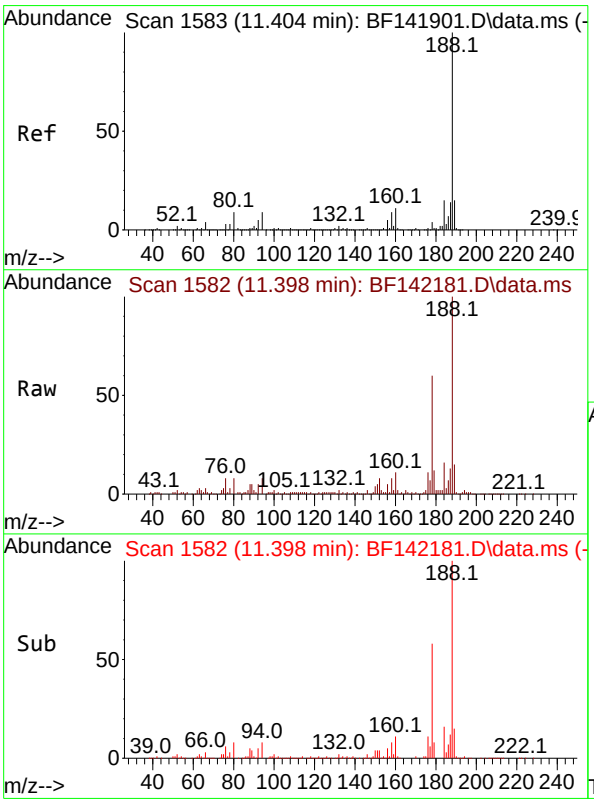
#62
4-Nitroaniline
Concen: 10.601 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion:138 Resp: 31160

Ion	Ratio	Lower	Upper
138	100		
92	2.4	32.6	72.6#
108	3.4	65.0	105.0#

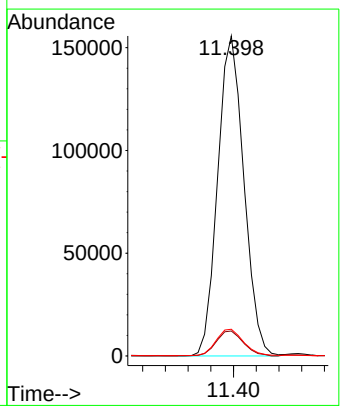


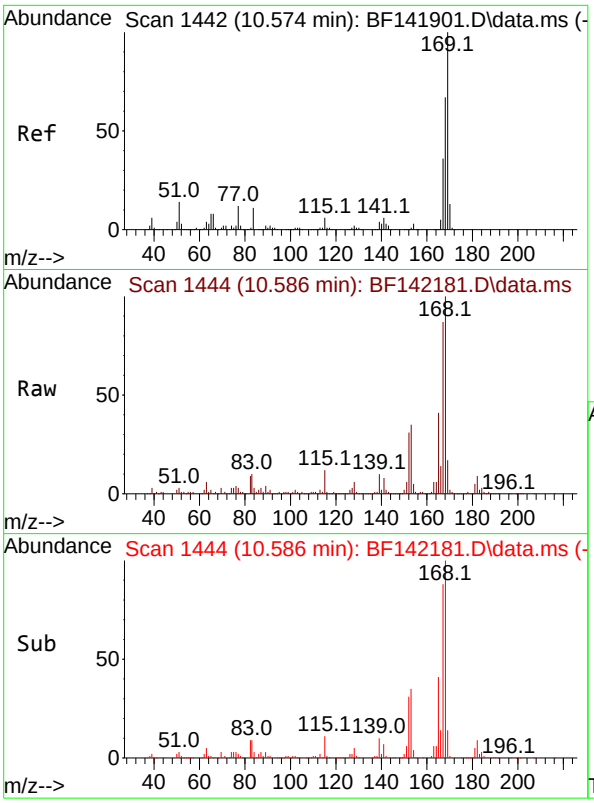


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion:188 Resp: 249442

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.8	10.2
80	8.3	7.6	11.4



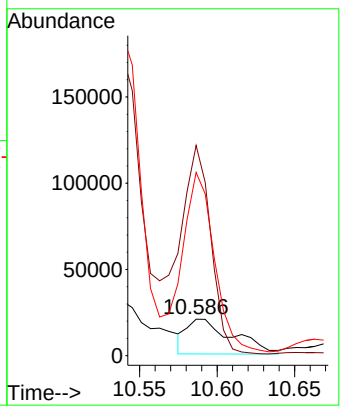


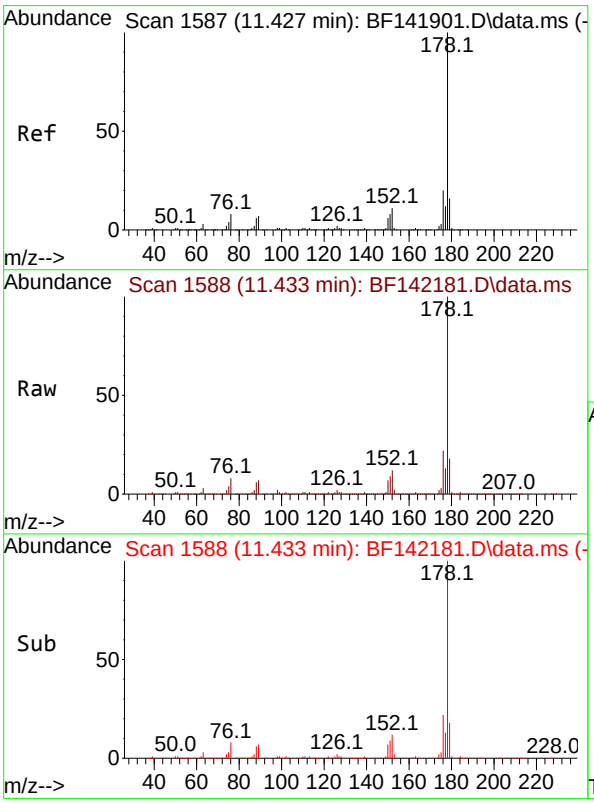
#66
n-Nitrosodiphenylamine
Concen: 5.215 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion:169 Resp: 42095

Ion	Ratio	Lower	Upper
169	100		
168	576.4	53.7	80.5#
167	502.0	29.2	43.8#

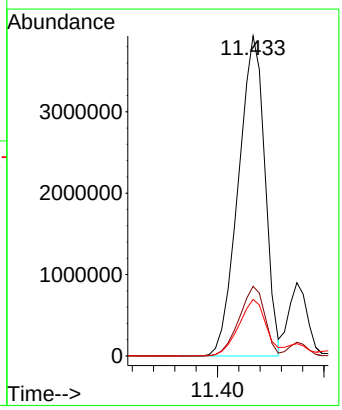


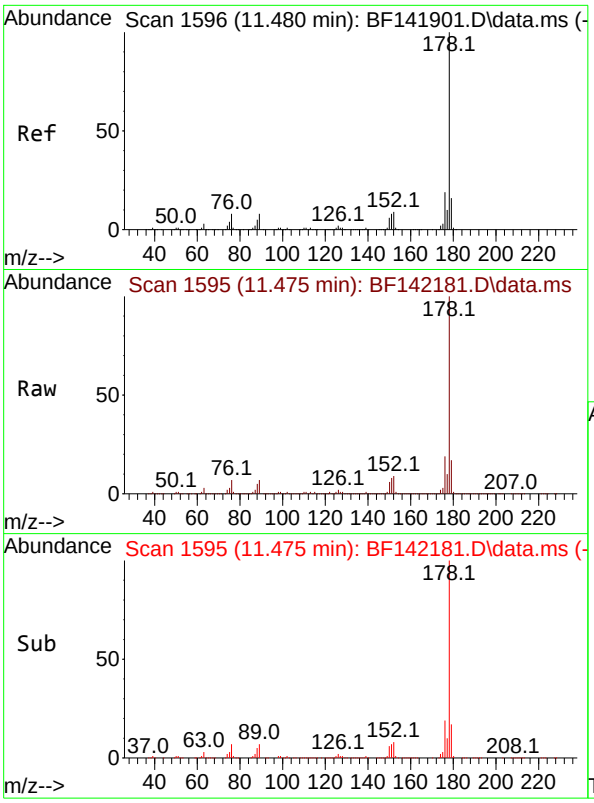


#71
Phenanthrene
Concen: 503.034 ng
RT: 11.433 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion:178 Resp: 6777463

Ion	Ratio	Lower	Upper
178	100		
176	21.8	15.8	23.8
179	17.7	12.6	19.0



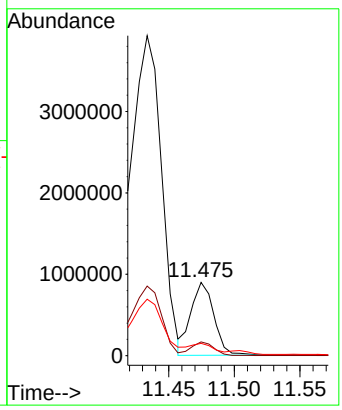


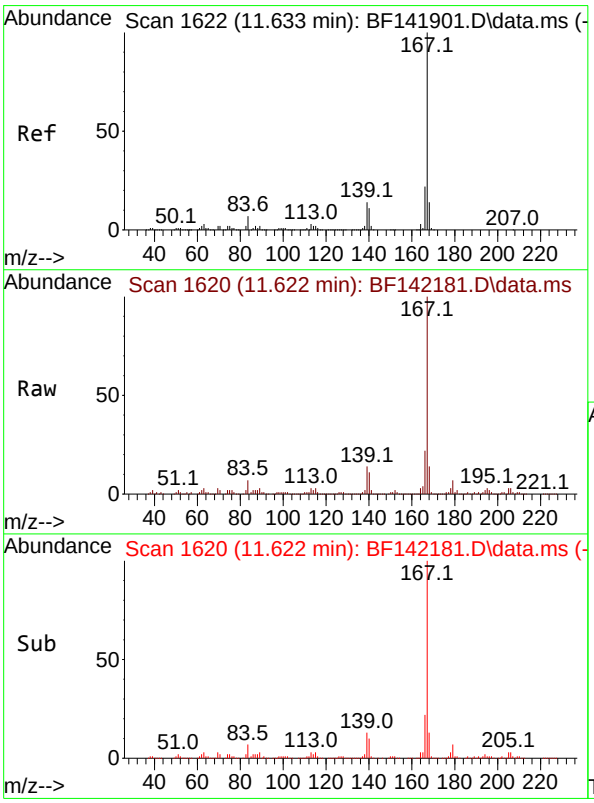
#72
Anthracene
Concen: 81.439 ng
RT: 11.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion:178 Resp: 1100814

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	16.8	12.6	19.0

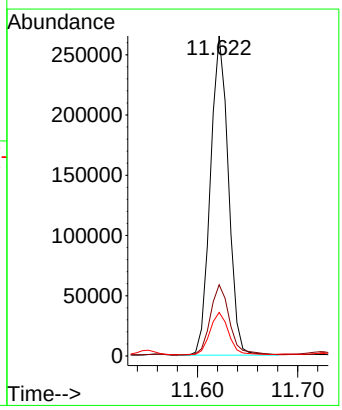


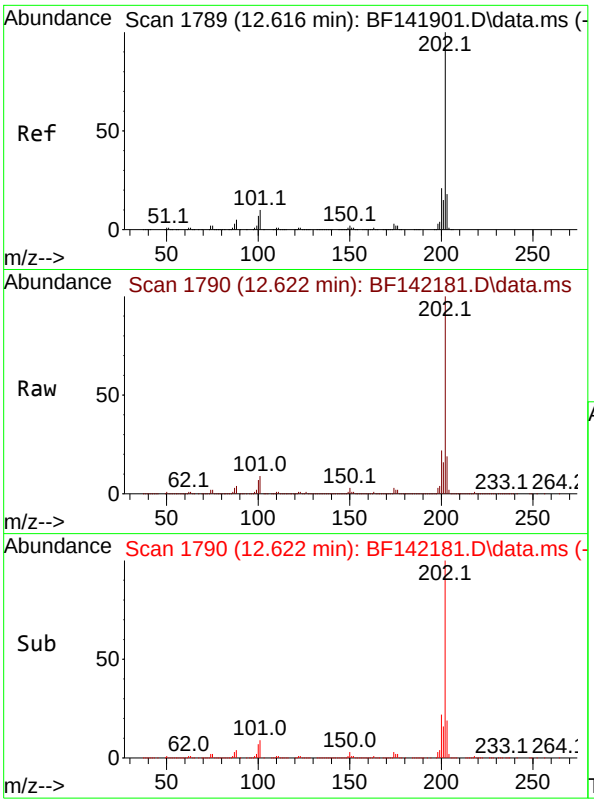


#73
Carbazole
Concen: 28.247 ng
RT: 11.622 min Scan# 1620
Delta R.T. -0.012 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion:167 Resp: 329283

Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.4	26.2
139	13.6	11.0	16.6



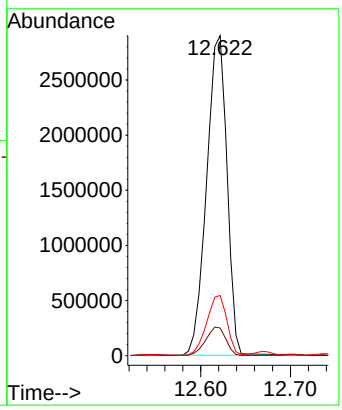


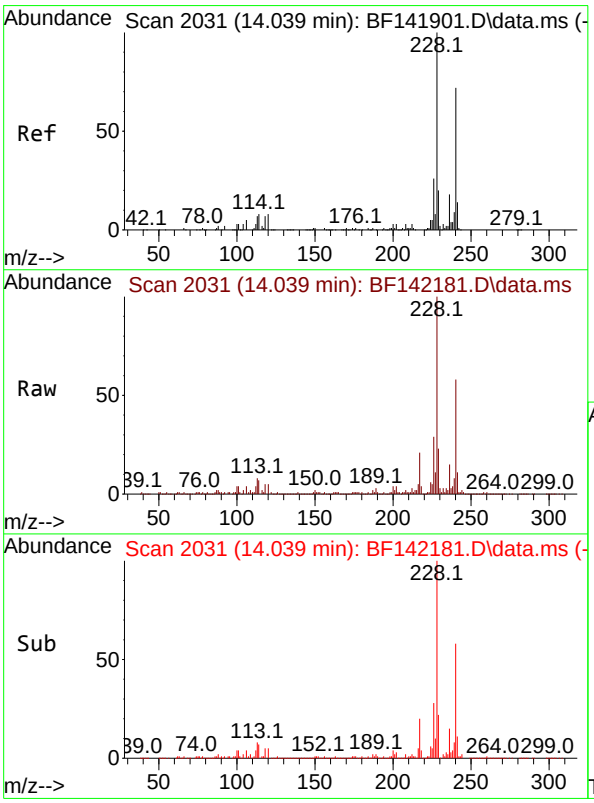
#75
Fluoranthene
Concen: 319.698 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion:202 Resp: 4569087

Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	29.7
203	18.8	0.0	37.8

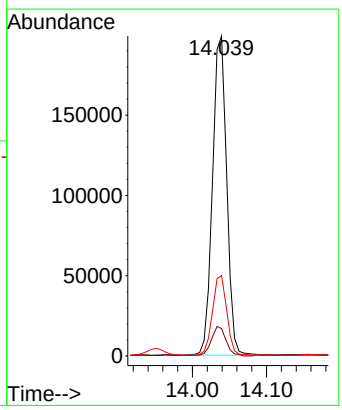


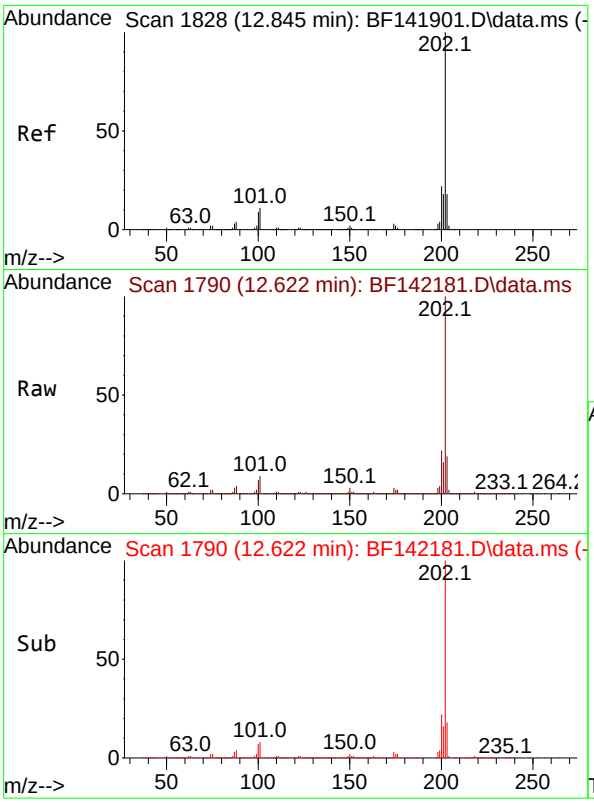


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion:240 Resp: 264385

Ion	Ratio	Lower	Upper
240	100		
120	8.6	8.4	12.6
236	25.1	20.5	30.7



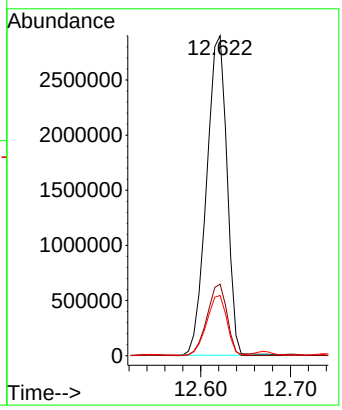


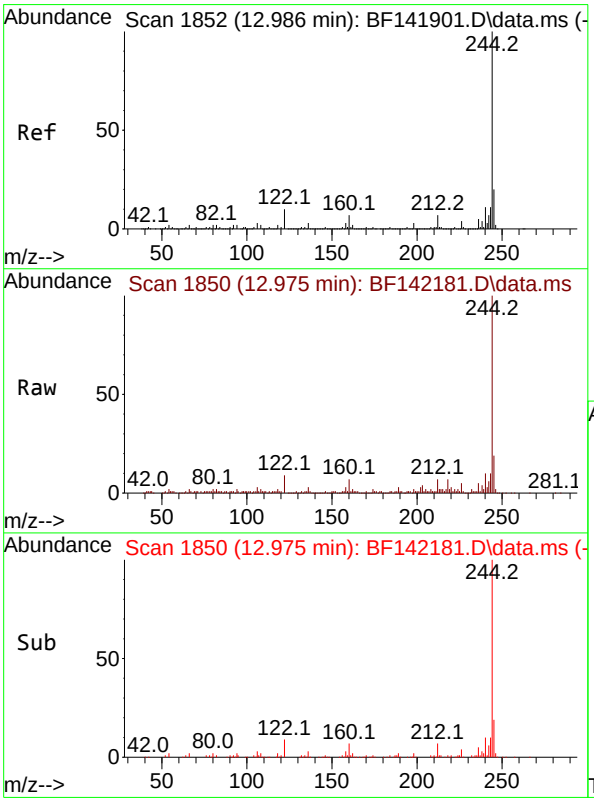
#78
Pyrene
Concen: 199.789 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.223 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion:202 Resp: 4569087

Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.3	25.9
203	18.8	14.4	21.6

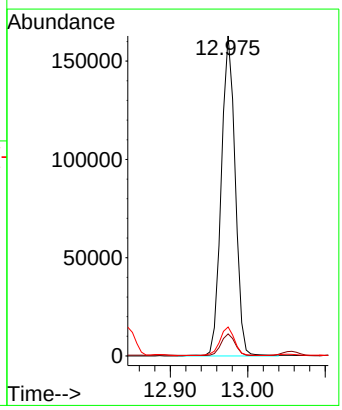


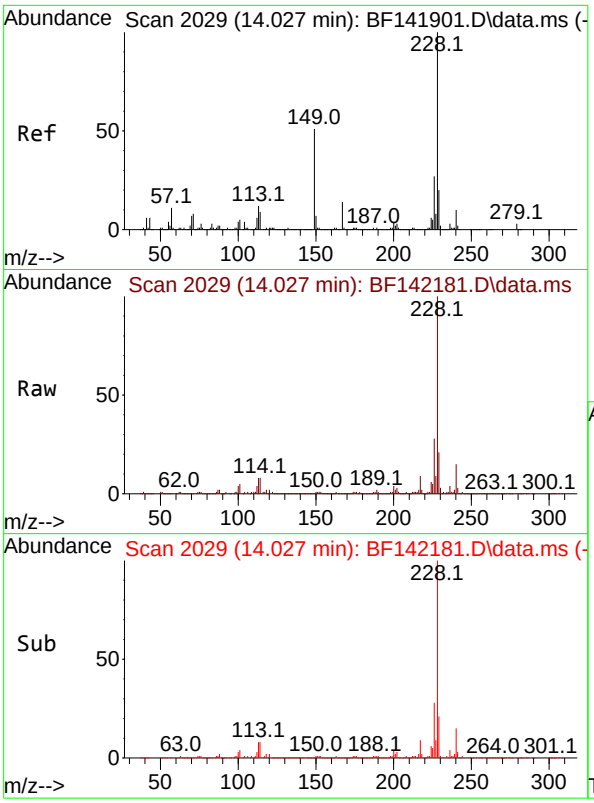


#79
Terphenyl-d14
Concen: 11.410 ng
RT: 12.975 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion:244 Resp: 204038

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	9.1	7.7	11.5



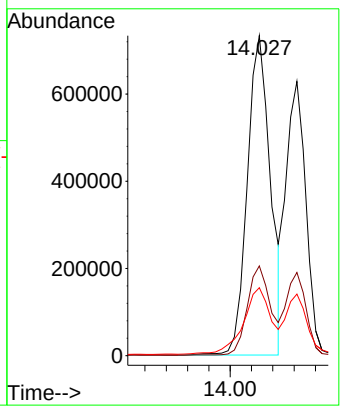


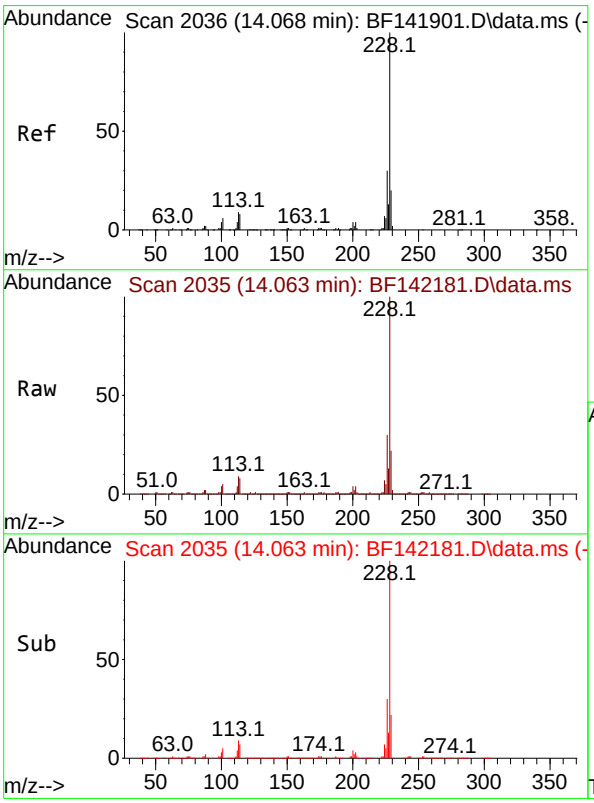
#81
Benzo(a)anthracene
Concen: 63.772 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion:228 Resp: 1106381

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.8
229	21.3	16.0	24.0

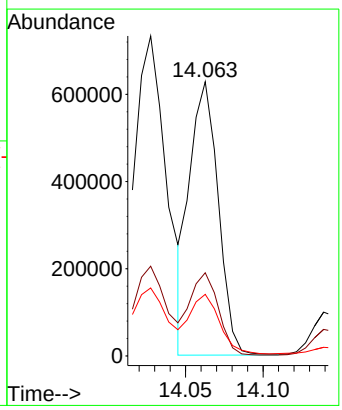


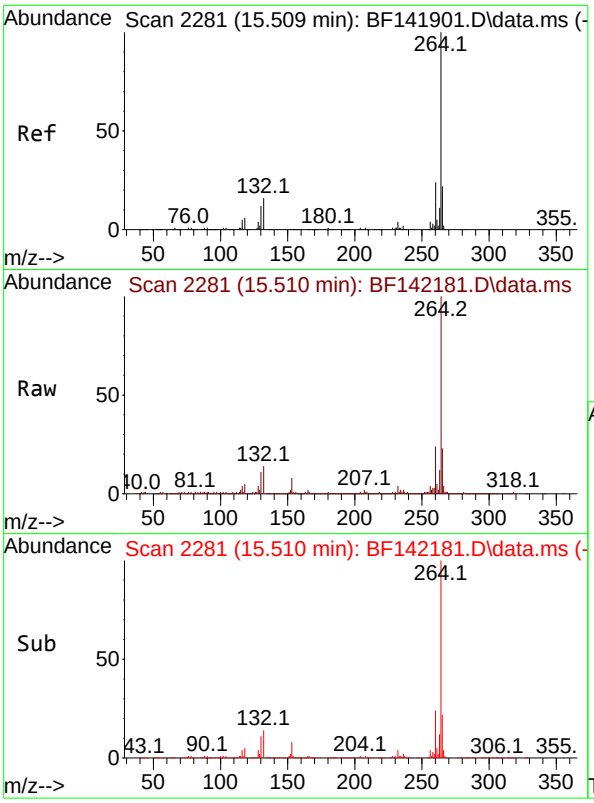


#83
Chrysene
Concen: 51.304 ng
RT: 14.063 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion:228 Resp: 806822

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	22.5	15.7	23.5



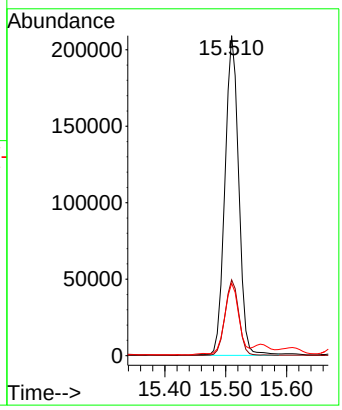


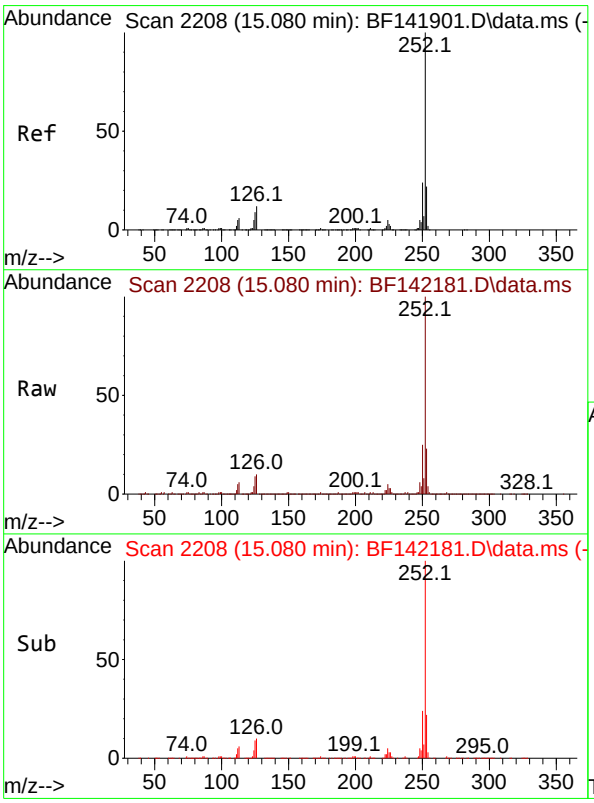
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion:264 Resp: 329452

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	22.6	17.5	26.3

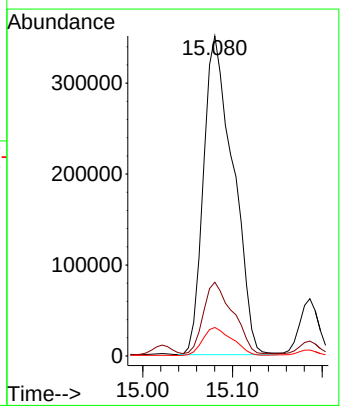


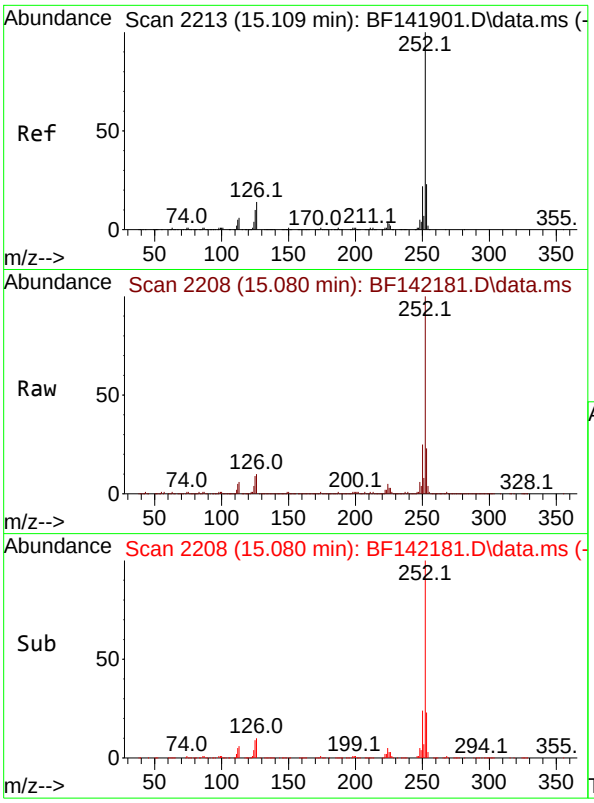


#88
Benzo(b)fluoranthene
Concen: 35.633 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion:252 Resp: 804567

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	8.9	7.0	10.4



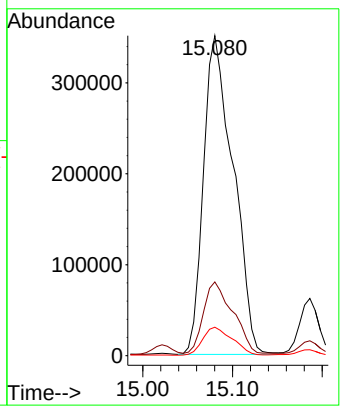


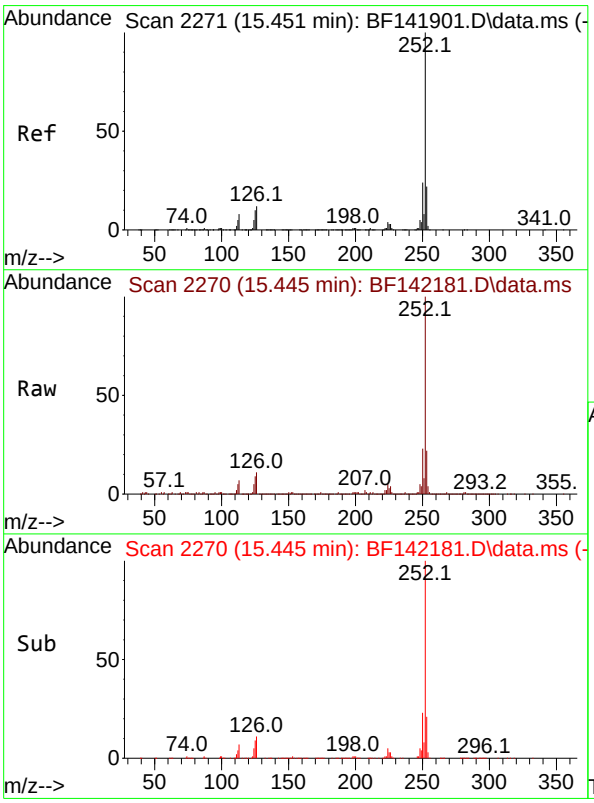
#89
Benzo(k)fluoranthene
Concen: 41.639 ng
RT: 15.080 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion:252 Resp: 804567

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	8.9	7.2	10.8

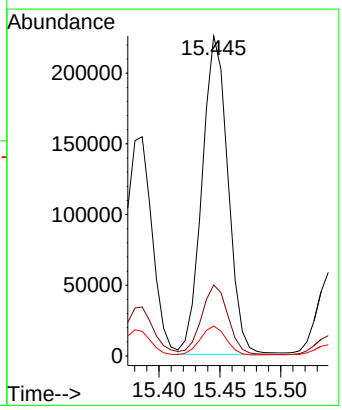


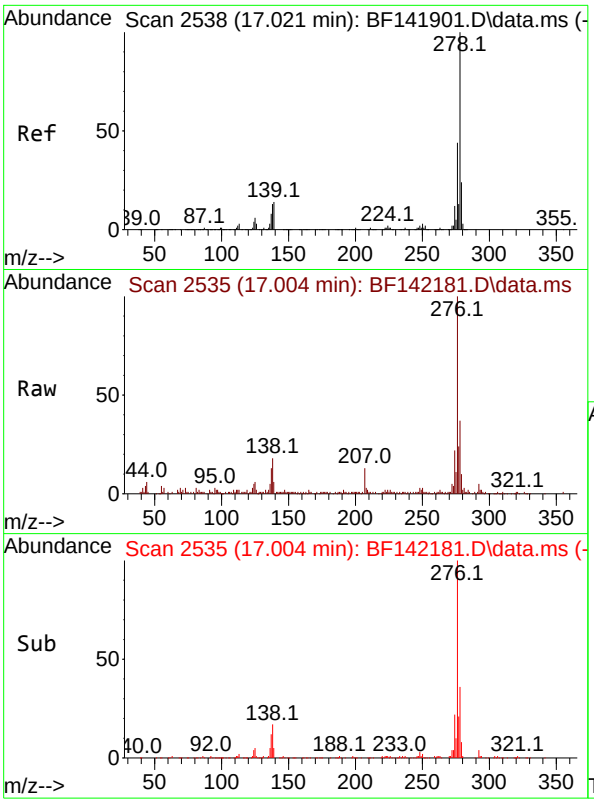


#90
Benzo(a)pyrene
Concen: 18.865 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion:252 Resp: 333297

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	9.4	7.8	11.8



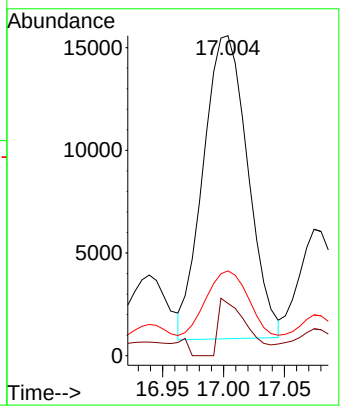


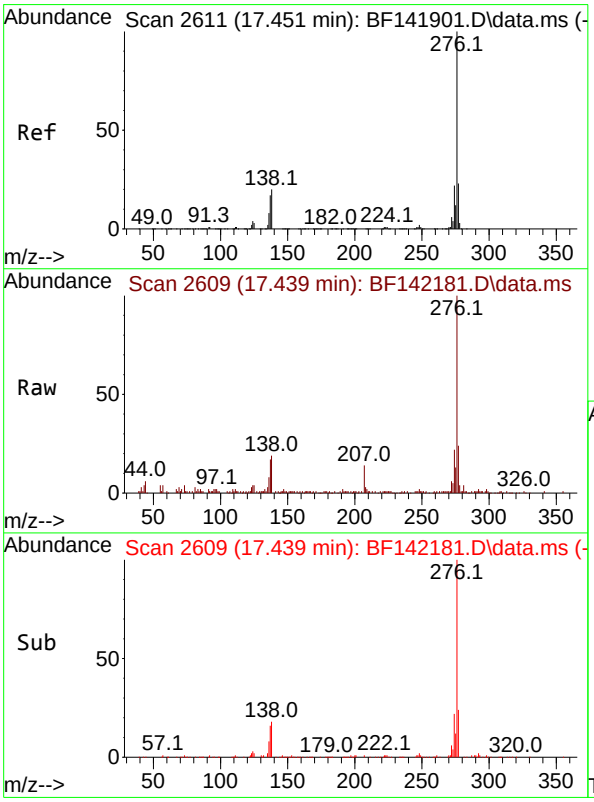
#91
Dibenzo(a,h)anthracene
Concen: 2.144 ng
RT: 17.004 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Instrument :
BNA_F
ClientSampleId :
RT3407DL

Tgt Ion:278 Resp: 37697

Ion	Ratio	Lower	Upper
278	100		
139	16.4	11.4	17.2
279	26.5	18.8	28.2





#92
Benzo(g,h,i)perylene
Concen: 5.135 ng
RT: 17.439 min Scan# 2609
Delta R.T. -0.012 min
Lab File: BF142181.D
Acq: 31 Mar 2025 15:28

Tgt Ion:276 Resp: 89231

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.7	28.1
138	18.8	15.8	23.8