Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100225\
Data File : BF143868.D
Acq On : 02 Oct 2025 21:35
Operator : RC/JU
Sample : Q3256-01DL 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 03 01:29:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	146042	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	531877	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	262622	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	385590	20.000	ng		0.00
76) Chrysene-d12	14.057	240	413020	20.000	ng		0.00
86) Perylene-d12	15.539	264	608240	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	64520	7.178	ng		-0.01
7) Phenol-d6	6.498	99	78894	7.596	ng		-0.01
23) Nitrobenzene-d5	7.440	82	43633	5.022	ng		-0.01
42) 2,4,6-Tribromophenol	10.710	330	18271	4.699	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	95686	5.686	ng		0.00
79) Terphenyl-d14	12.998	244	107730	5.305	ng		0.00
Target Compounds							Qvalue
26) 2-Nitrophenol	7.781	139	258	2.775	ng	#	82
31) Naphthalene	8.187	128	136715	5.369	ng		99
37) 2-Methylnaphthalene	8.881	142	168882	10.402	ng		99
38) 1-Methylnaphthalene	8.975	142	174266	11.214	ng		100
49) Acenaphthylene	9.781	152	116674	5.538	ng	#	95
51) 2,6-Dinitrotoluene	9.922	165	43636	16.592	ng	#	18
52) Acenaphthene	9.951	154	40444	2.917	ng		92
57) 2,4-Dinitrotoluene	10.098	165	3716	3.814	ng	#	62
58) Fluorene	10.469	166	152215	10.445	ng	#	97
65) 4,6-Dinitro-2-methylph...	10.522	198	182	4.309	ng	#	1
71) Phenanthrene	11.433	178	946980	47.837	ng		99
72) Anthracene	11.486	178	142176	7.160	ng		98
75) Fluoranthene	12.627	202	692967	34.804	ng		99
78) Pyrene	12.857	202	1046302	51.527	ng		99
81) Benzo(a)anthracene	14.080	228	561165	25.291	ng		92
83) Chrysene	14.080	228	561165	27.950	ng	#	95
87) Indeno(1,2,3-cd)pyrene	17.021	276	276067	5.982	ng		98
88) Benzo(b)fluoranthene	15.104	252	773370	24.968	ng	#	97
89) Benzo(k)fluoranthene	15.104	252	773370	24.852	ng	#	98
90) Benzo(a)pyrene	15.474	252	527210	18.108	ng		97
91) Dibenzo(a,h)anthracene	17.039	278	89621	2.374	ng	#	83
92) Benzo(g,h,i)perylene	17.474	276	285314	7.841	ng	#	97

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

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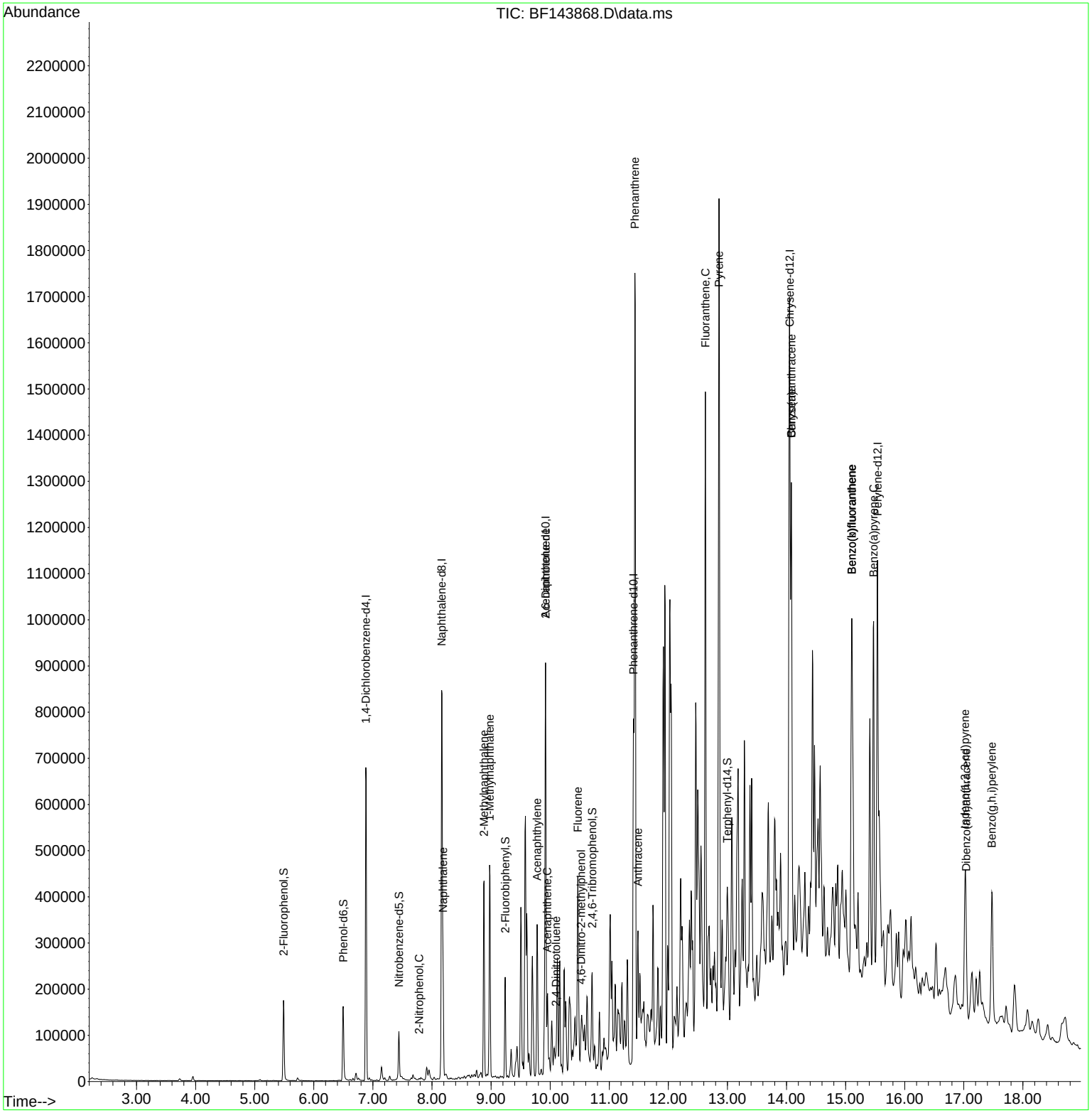
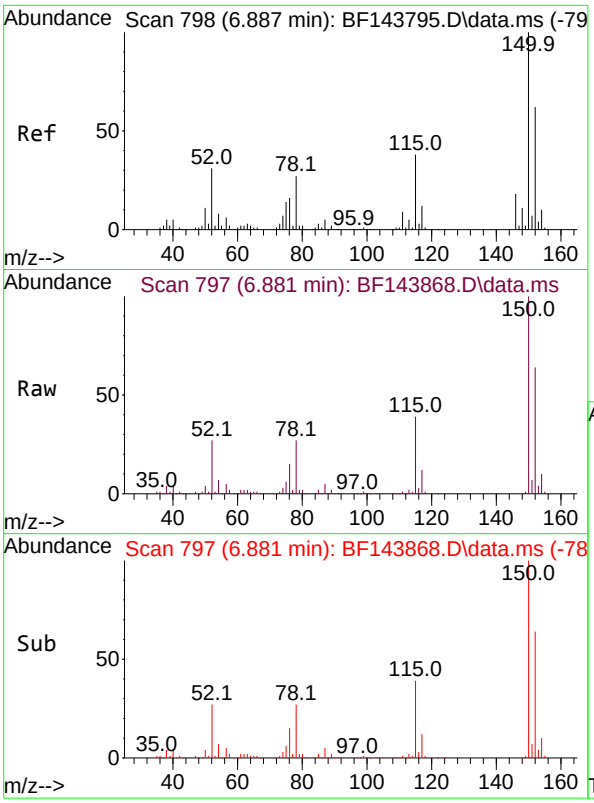


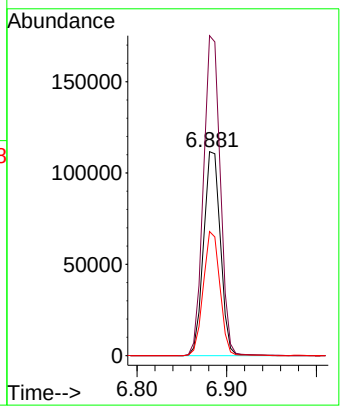


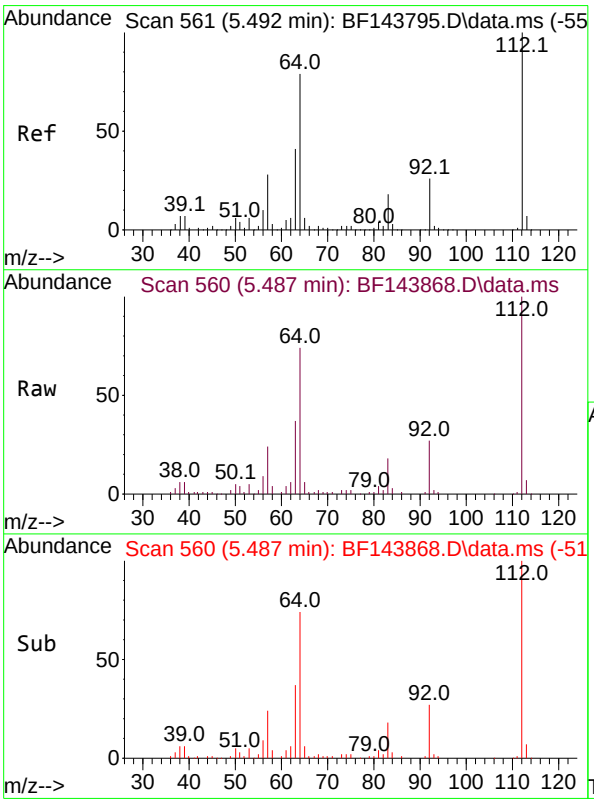
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 146042

Ion	Ratio	Lower	Upper
152	100		
150	156.9	129.6	194.4
115	60.9	49.0	73.4

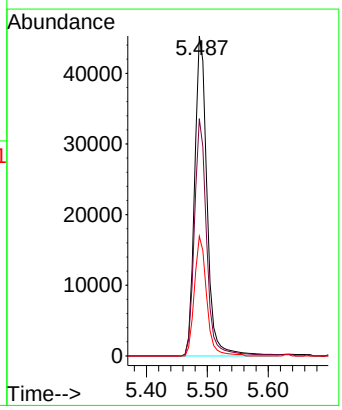


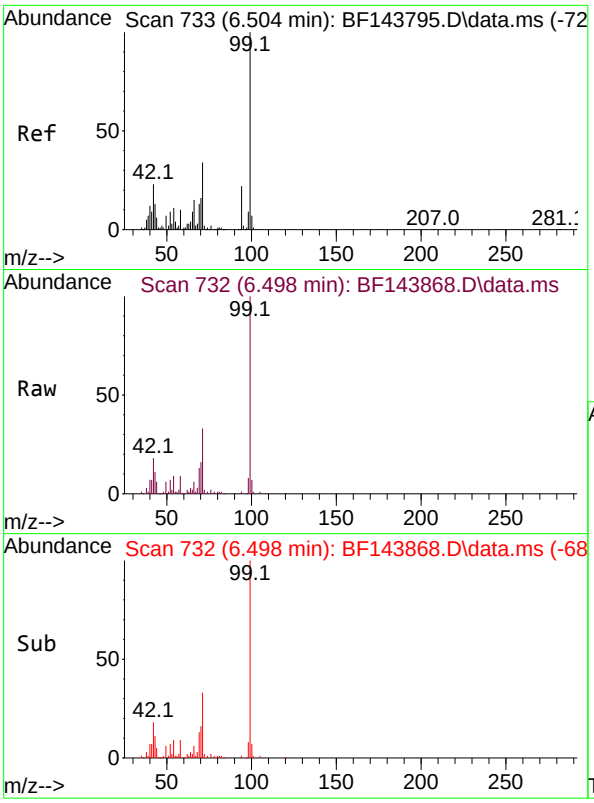


#5
2-Fluorophenol
Concen: 7.178 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.011 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Tgt Ion:112 Resp: 64520

Ion	Ratio	Lower	Upper
112	100		
64	74.1	63.0	94.4
63	37.4	32.6	49.0



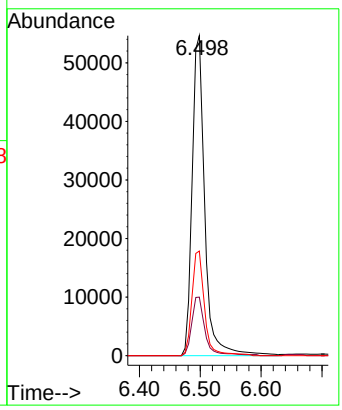


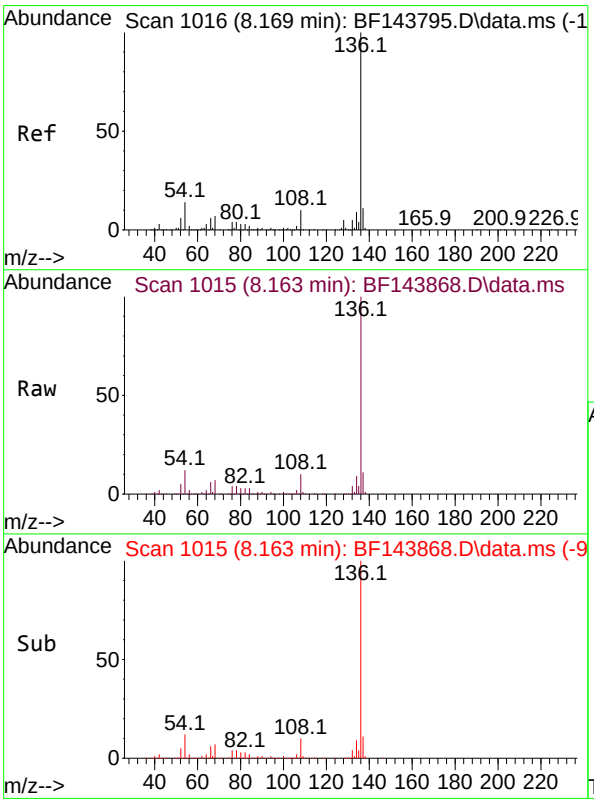
#7
Phenol-d6
Concen: 7.596 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 78894

Ion	Ratio	Lower	Upper
99	100		
42	18.3	18.6	28.0#
71	32.7	27.0	40.4

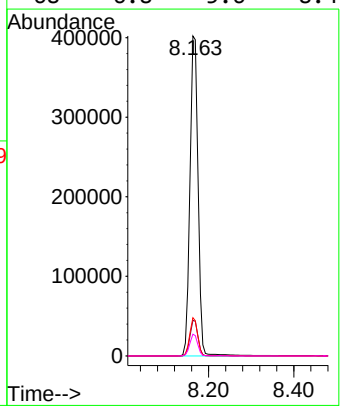


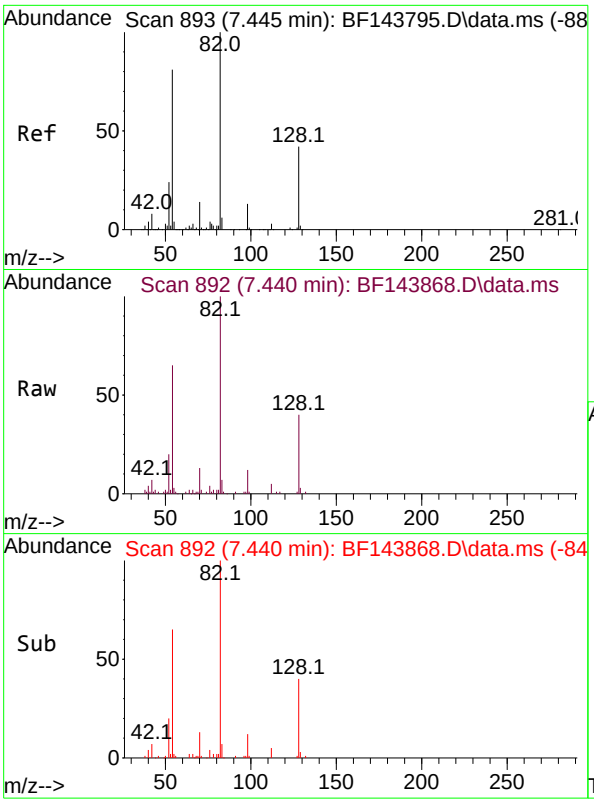


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Tgt Ion:136 Resp: 531877

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	11.9	11.2	16.8
68	6.8	5.6	8.4



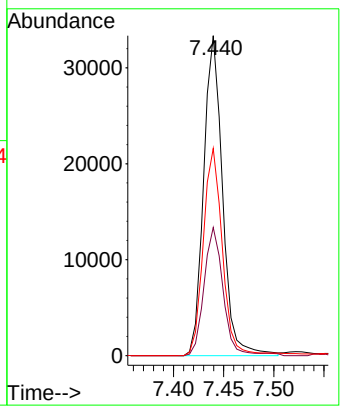


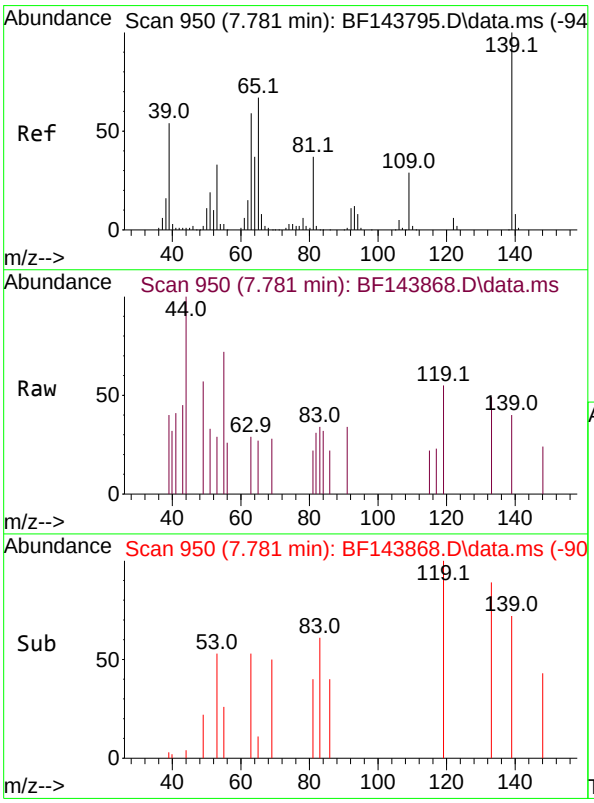
#23
Nitrobenzene-d5
Concen: 5.022 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.011 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 43633

Ion	Ratio	Lower	Upper
82	100		
128	40.0	33.3	49.9
54	64.7	64.2	96.4

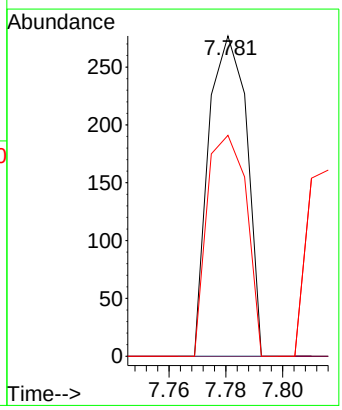


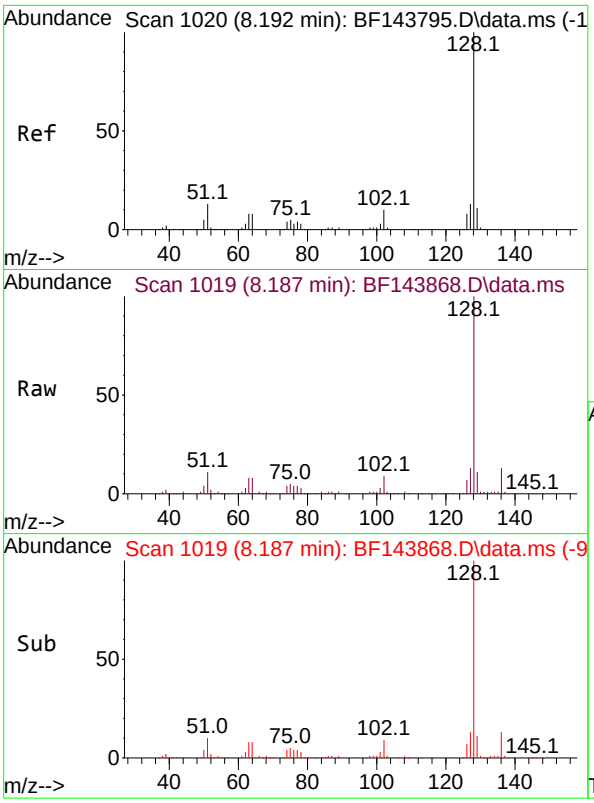


#26
2-Nitrophenol
Concen: 2.775 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.005 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Tgt Ion:139 Resp: 258

Ion	Ratio	Lower	Upper
139	100		
109	0.0	23.3	34.9#
65	69.0	53.8	80.6



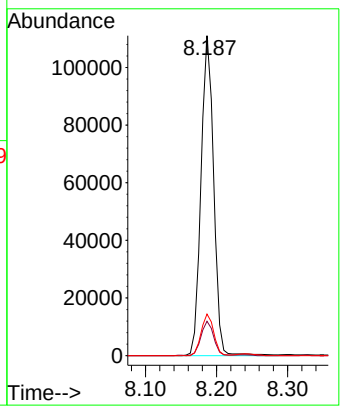


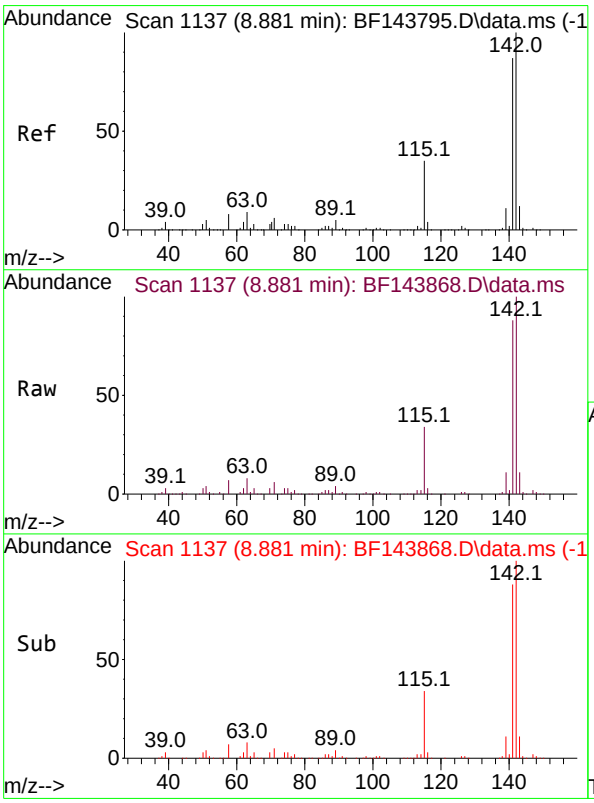
#31
Naphthalene
Concen: 5.369 ng
RT: 8.187 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 136715

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.0	10.2	15.4

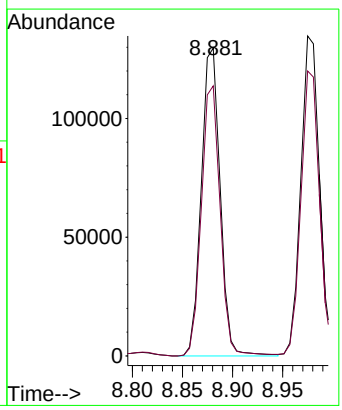


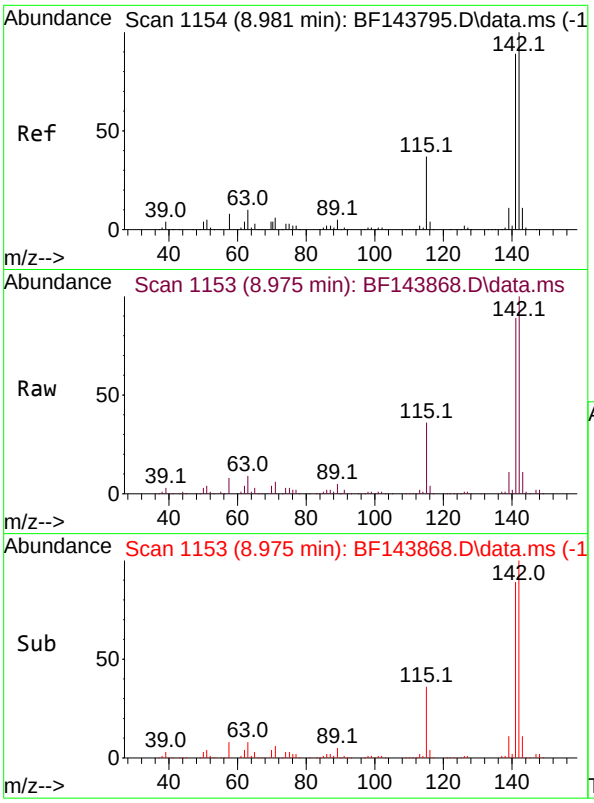


#37
2-Methylnaphthalene
Concen: 10.402 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Tgt Ion:142 Resp: 168882

Ion	Ratio	Lower	Upper
142	100		
141	87.7	69.4	104.0



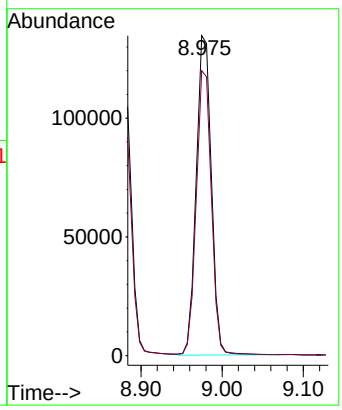


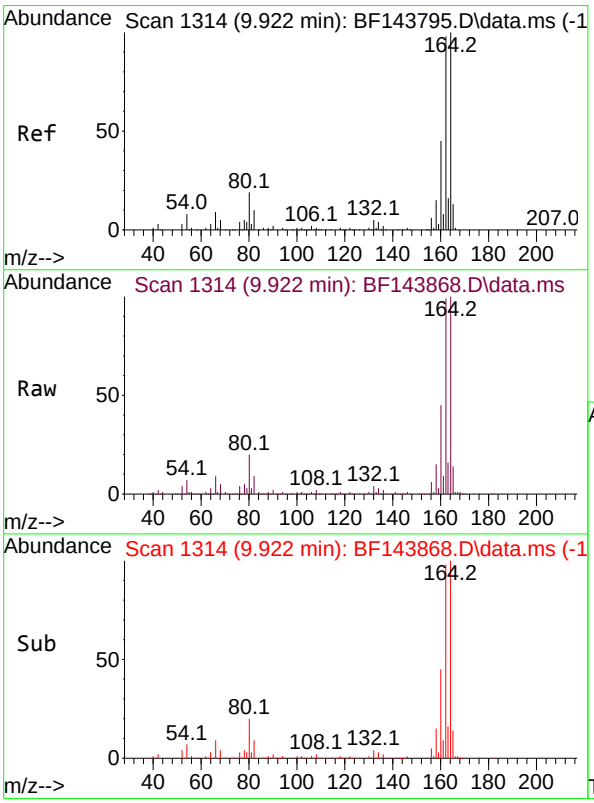
#38
1-Methylnaphthalene
Concen: 11.214 ng
RT: 8.975 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 174266

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.1	106.7

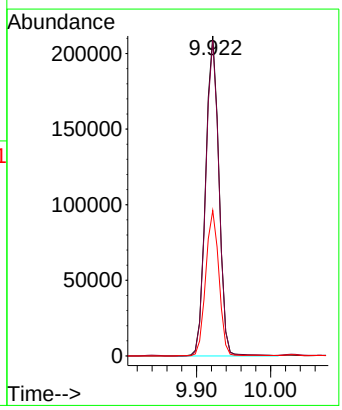


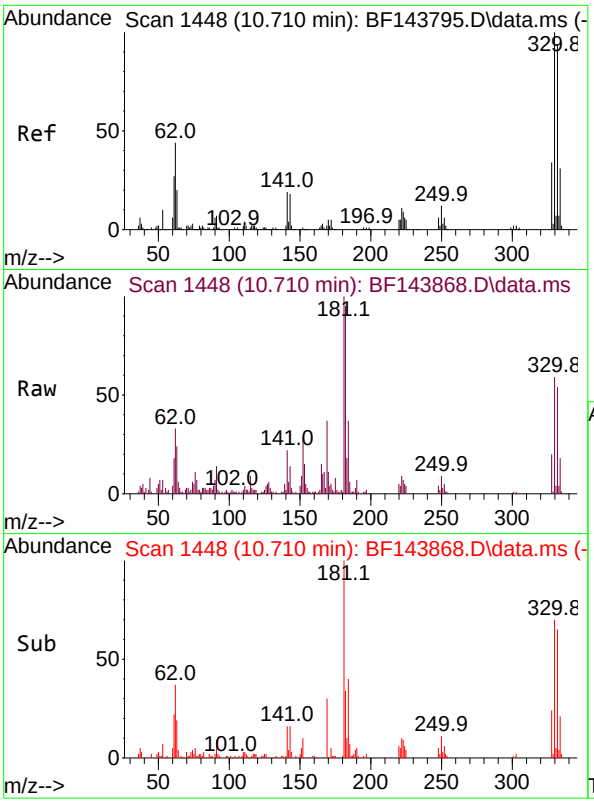


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Tgt Ion:164 Resp: 262622

Ion	Ratio	Lower	Upper
164	100		
162	98.6	78.8	118.2
160	45.4	35.8	53.6



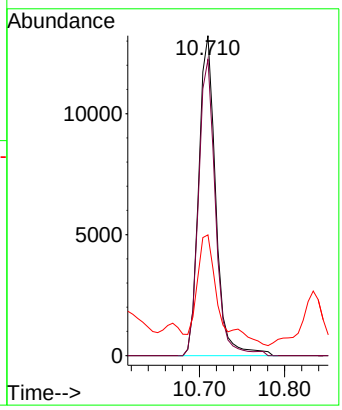


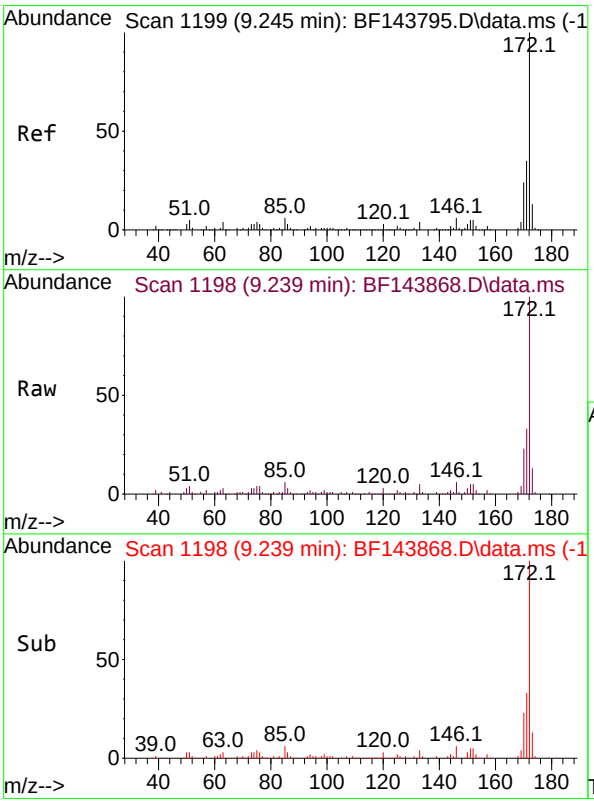
#42
2,4,6-Tribromophenol
Concen: 4.699 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 18271

Ion	Ratio	Lower	Upper
330	100		
332	92.1	74.7	112.1
141	42.5	14.3	21.5#

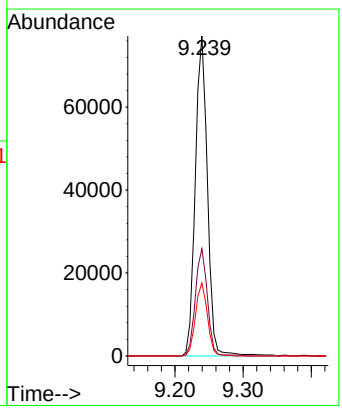


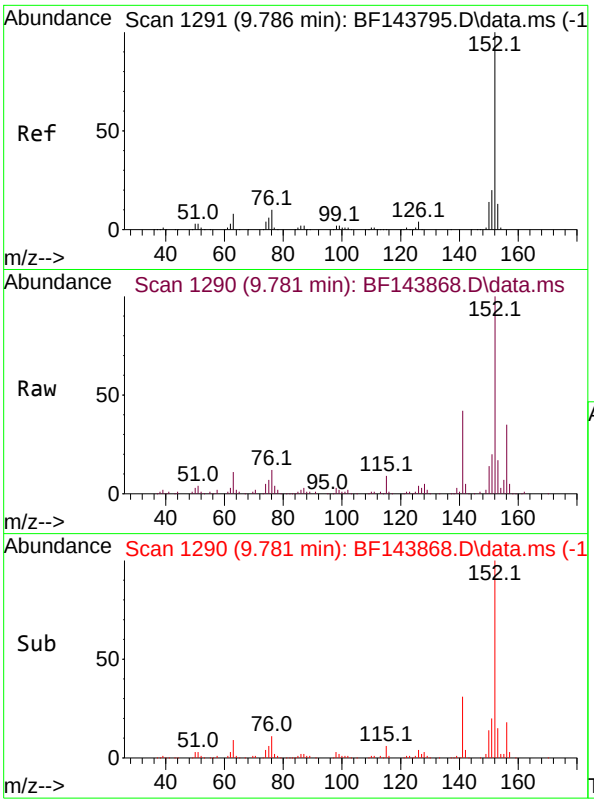


#45
2-Fluorobiphenyl
Concen: 5.686 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Tgt Ion:172 Resp: 95686

Ion	Ratio	Lower	Upper
172	100		
171	33.5	27.9	41.9
170	22.8	19.1	28.7



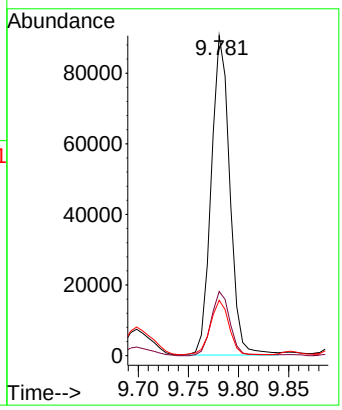


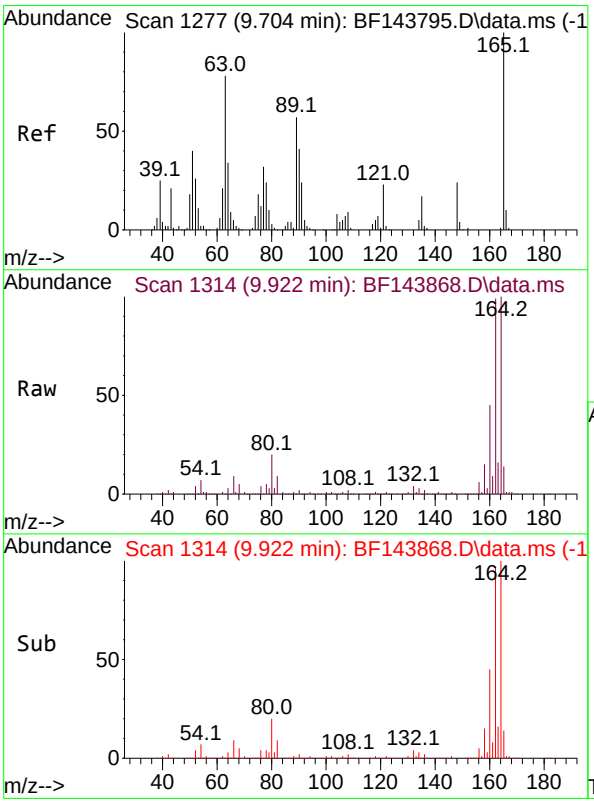
#49
Acenaphthylene
Concen: 5.538 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 116674

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	17.3	10.6	15.8#

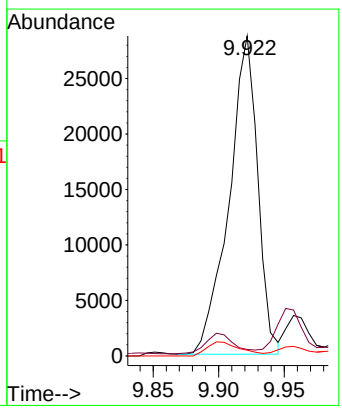


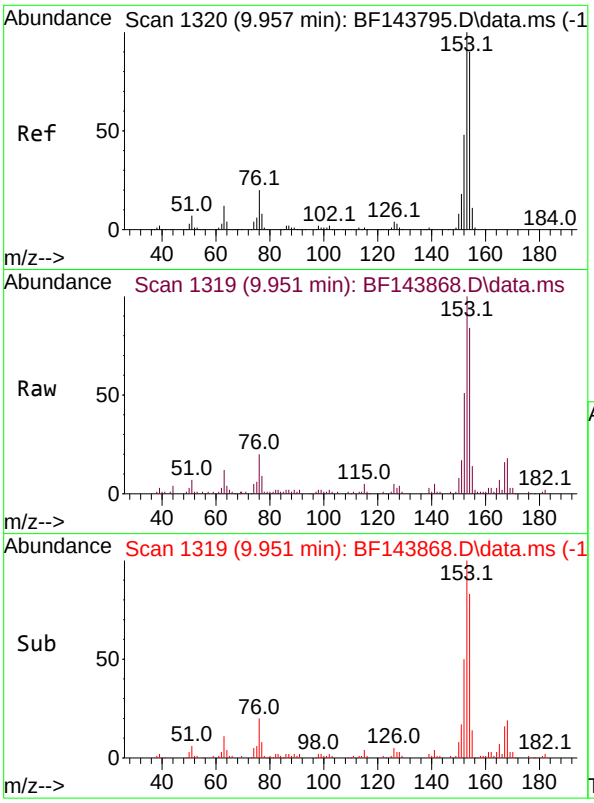


#51
2,6-Dinitrotoluene
Concen: 16.592 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.218 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Tgt Ion:165 Resp: 43636

Ion	Ratio	Lower	Upper
165	100		
63	2.0	62.6	94.0#
89	1.8	45.2	67.8#



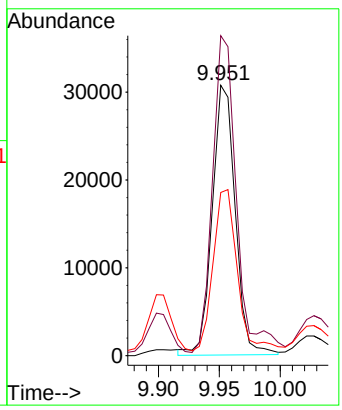


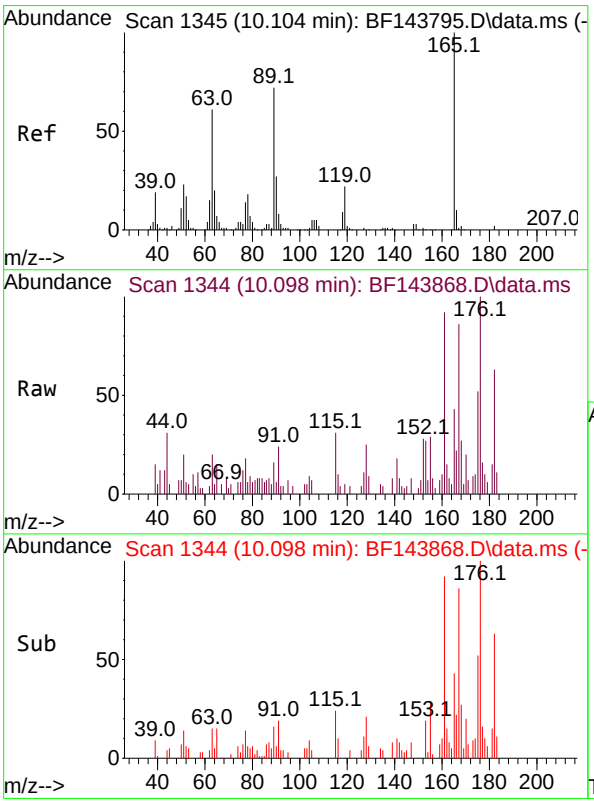
#52
Acenaphthene
Concen: 2.917 ng
RT: 9.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 40444

Ion	Ratio	Lower	Upper
154	100		
153	118.4	88.7	133.1
152	60.4	42.7	64.1

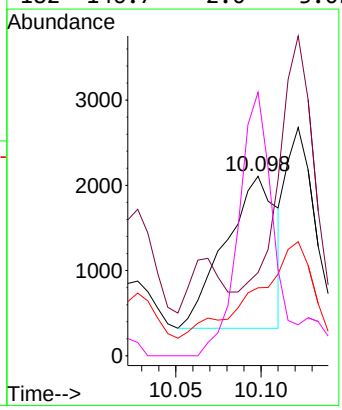


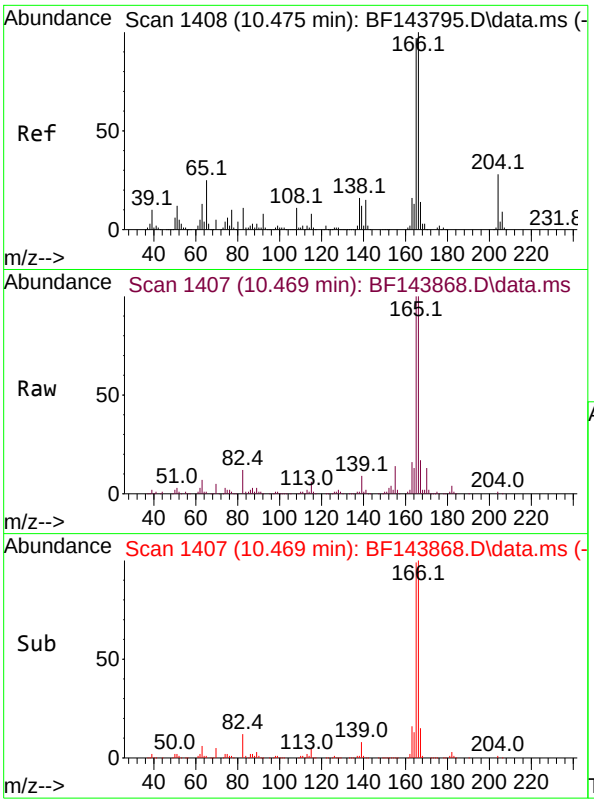


#57
2,4-Dinitrotoluene
Concen: 3.814 ng
RT: 10.098 min Scan# 1344
Delta R.T. -0.012 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Tgt Ion:165 Resp: 3716

Ion	Ratio	Lower	Upper
165	100		
63	46.4	48.9	73.3#
89	37.9	57.5	86.3#
182	146.7	2.0	3.0#



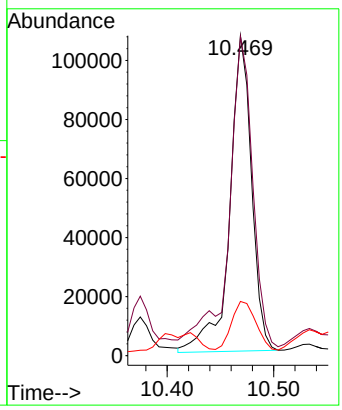


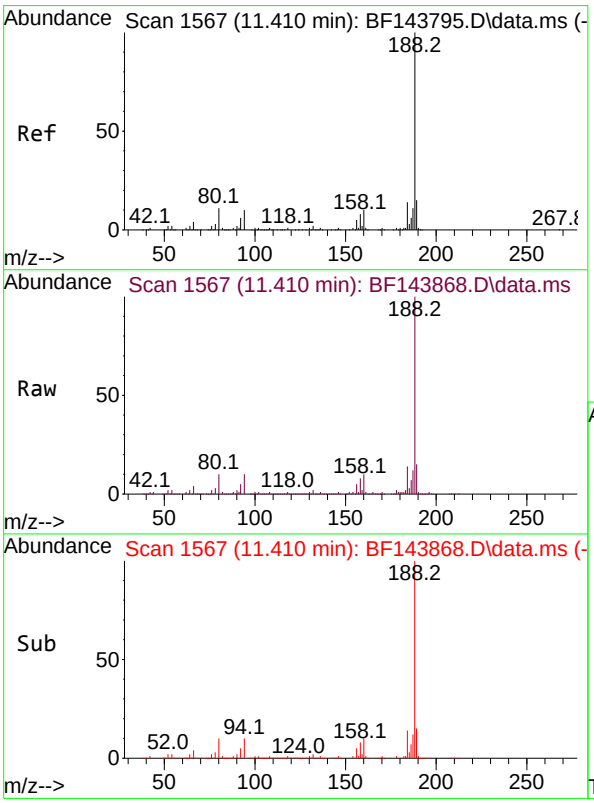
#58
Fluorene
Concen: 10.445 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 152215

Ion	Ratio	Lower	Upper
166	100		
165	99.8	78.0	117.0
167	16.9	10.9	16.3#

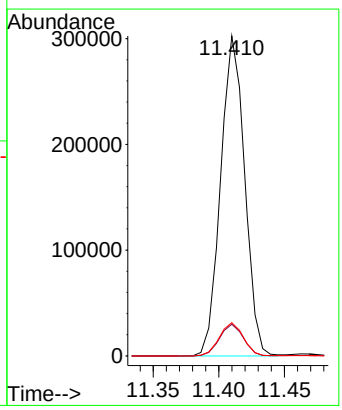


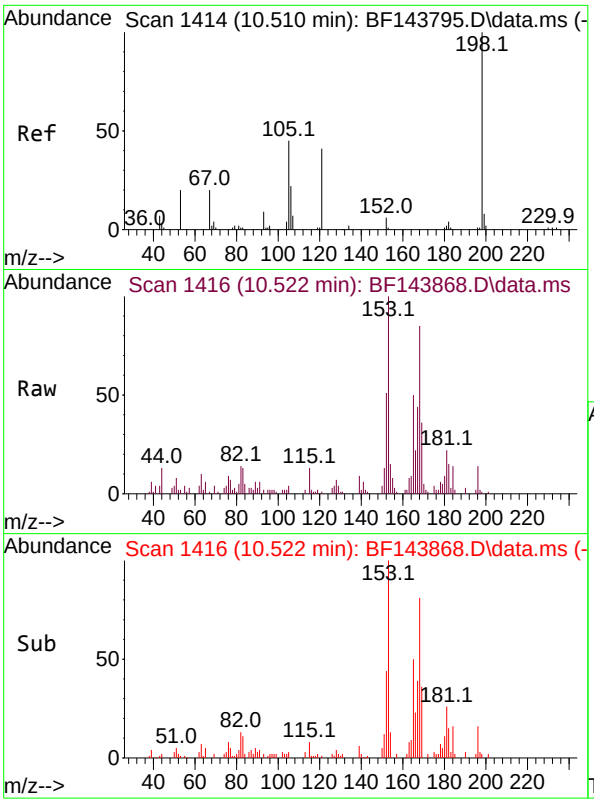


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Tgt Ion:188 Resp: 385590

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.2	12.2
80	10.4	8.6	12.8



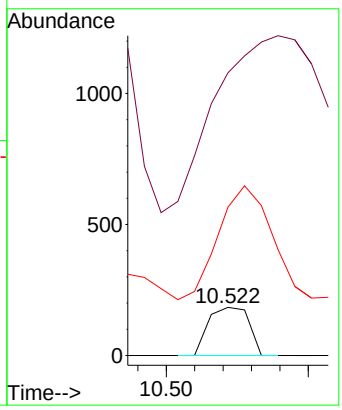


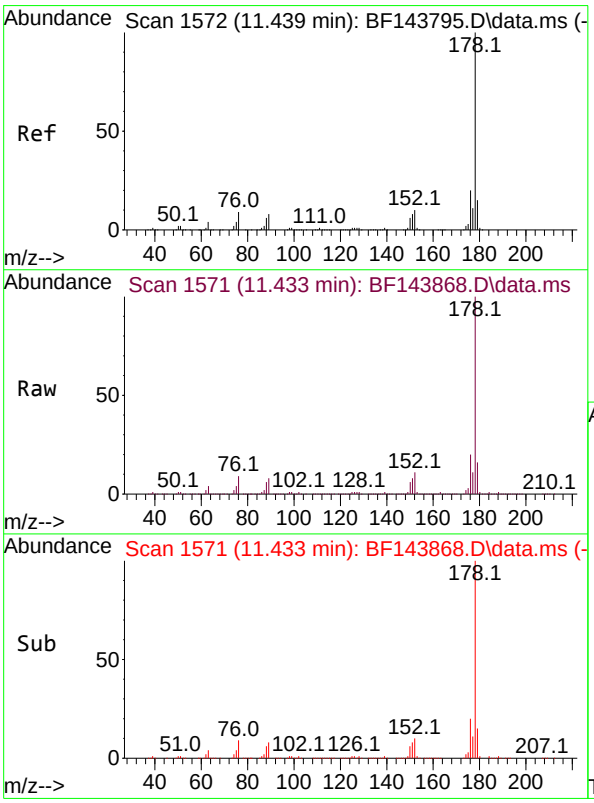
#65
4,6-Dinitro-2-methylphenol
Concen: 4.309 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:198 Resp: 182

Ion	Ratio	Lower	Upper
198	100		
51	586.4	52.0	92.0#
105	307.6	27.5	67.5#

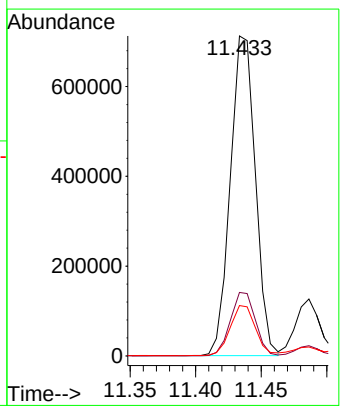


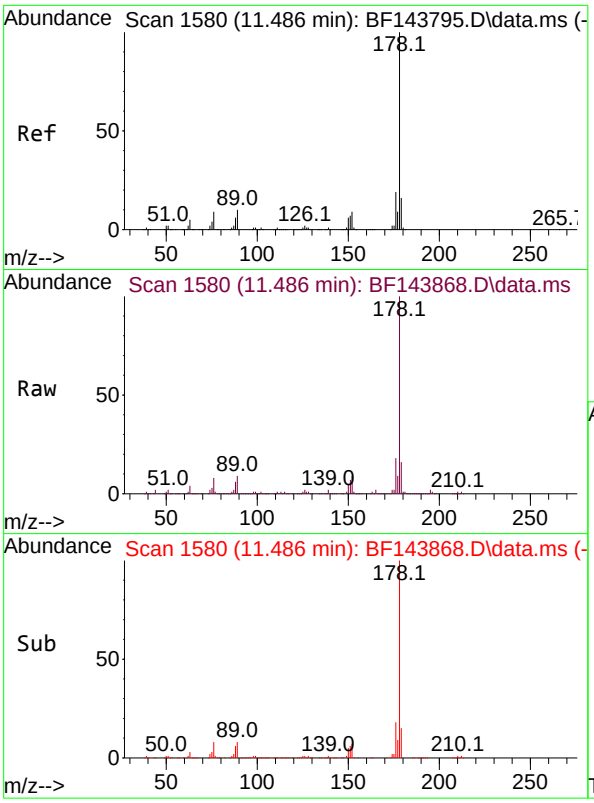


#71
Phenanthrene
Concen: 47.837 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Tgt Ion:178 Resp: 946980

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.6	23.4
179	15.7	12.2	18.4



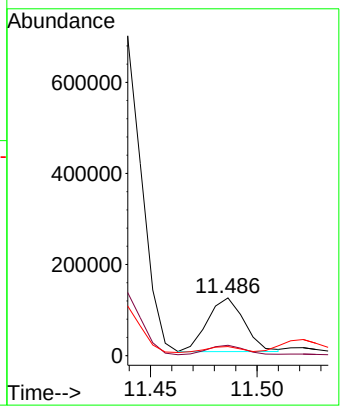


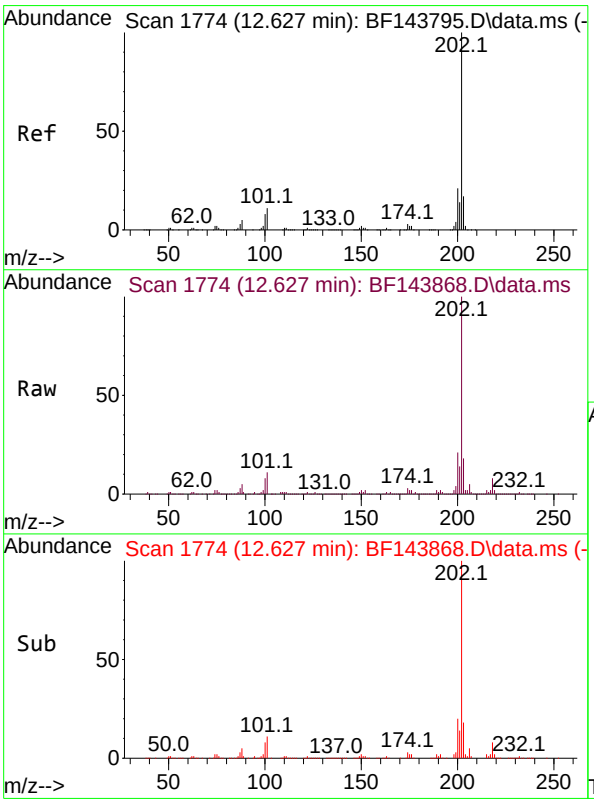
#72
Anthracene
Concen: 7.160 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 142176

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.3	22.9
179	15.7	12.8	19.2

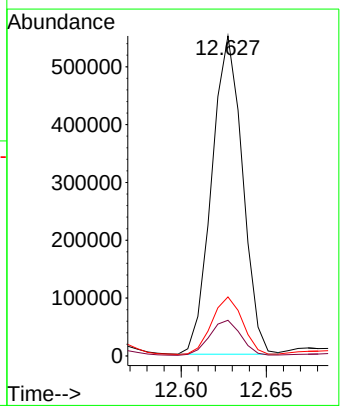


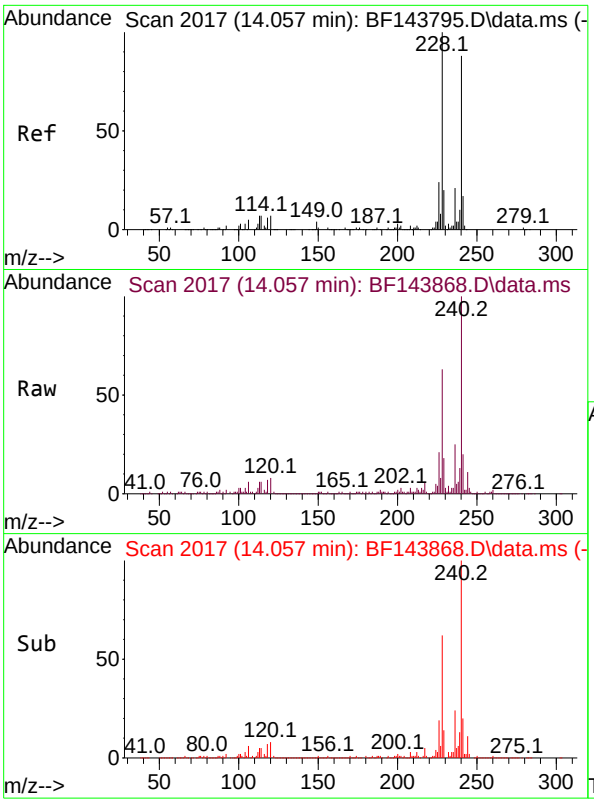


#75
Fluoranthene
Concen: 34.804 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Tgt Ion:202 Resp: 692967

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.1
203	18.4	0.0	37.4



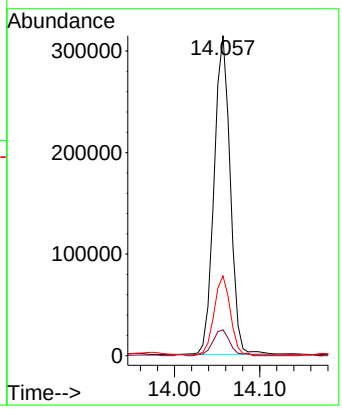


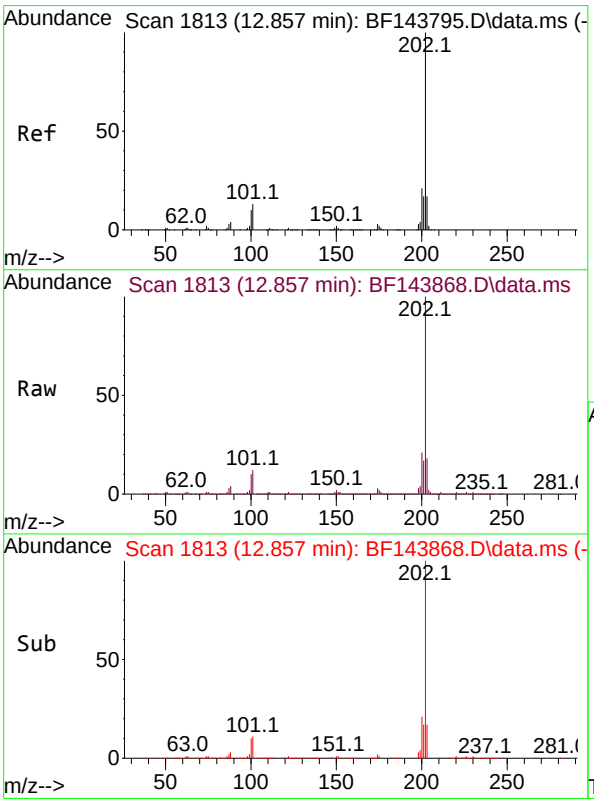
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 413020

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.2	9.4
236	24.9	19.4	29.2

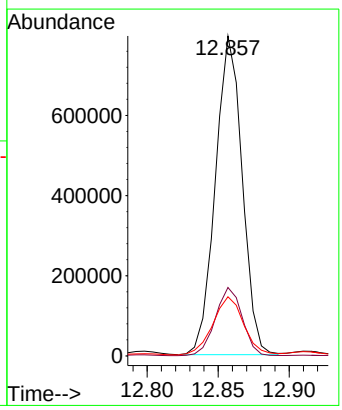


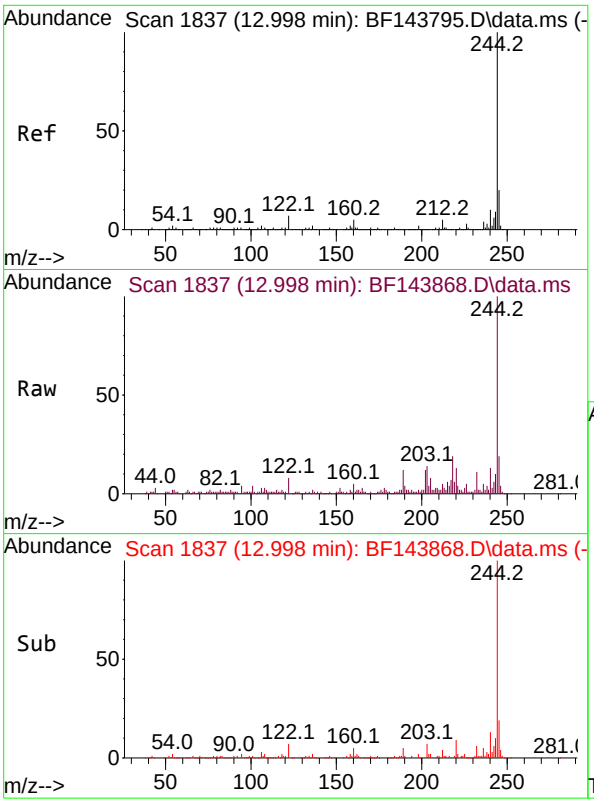


#78
Pyrene
Concen: 51.527 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Tgt Ion:202 Resp: 1046302

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	18.5	13.9	20.9



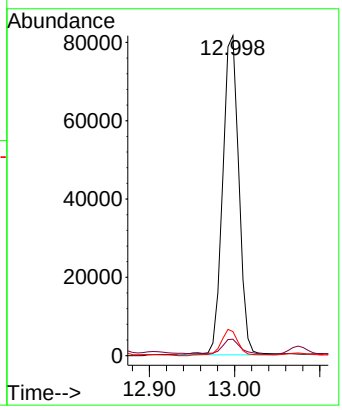


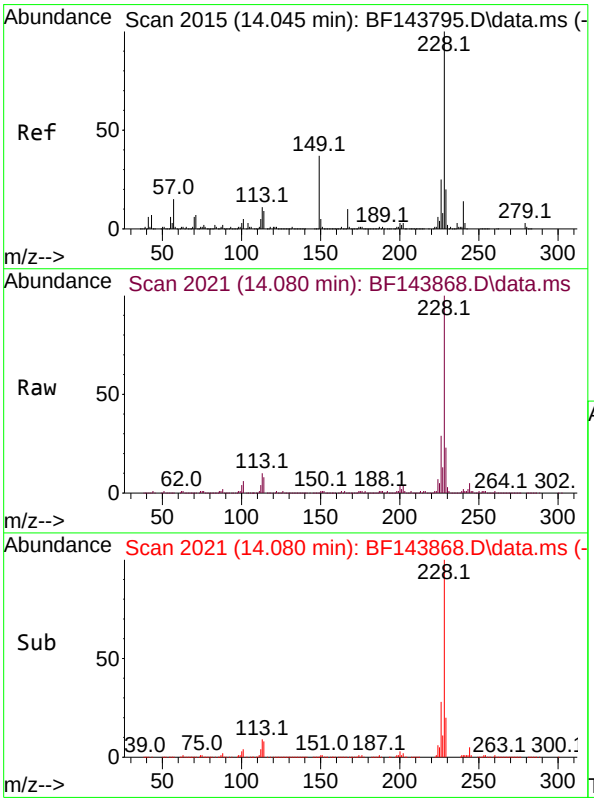
#79
Terphenyl-d14
Concen: 5.305 ng
RT: 12.998 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 107730

Ion	Ratio	Lower	Upper
244	100		
212	5.1	3.9	5.9
122	7.5	5.6	8.4

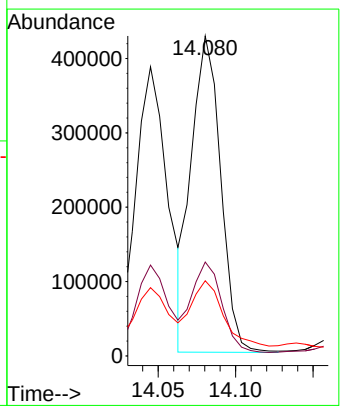


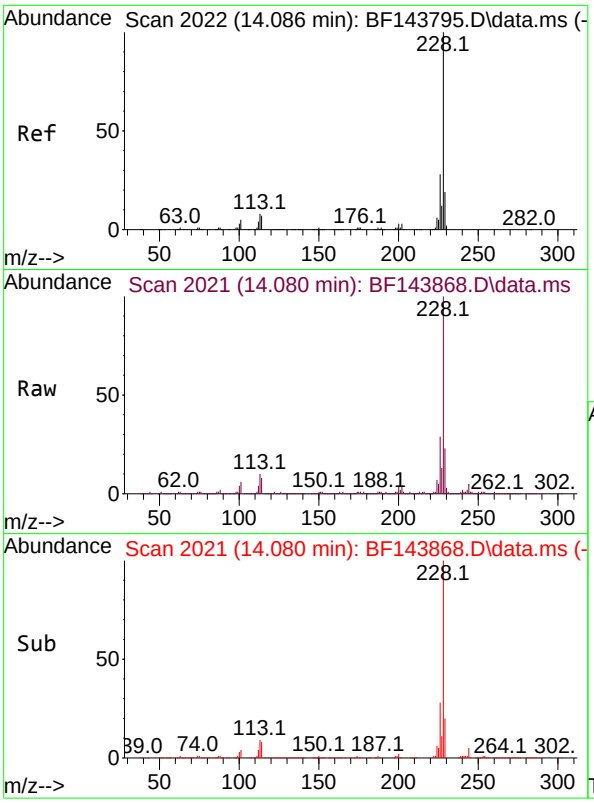


#81
Benzo(a)anthracene
Concen: 25.291 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.030 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Tgt Ion:228 Resp: 561165

Ion	Ratio	Lower	Upper
228	100		
226	29.3	20.2	30.2
229	23.5	16.1	24.1



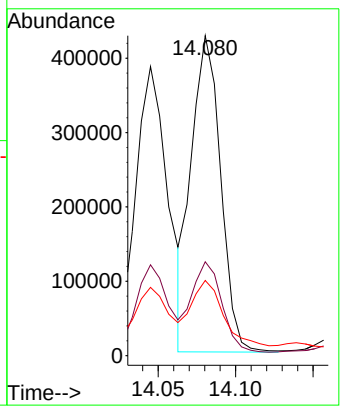


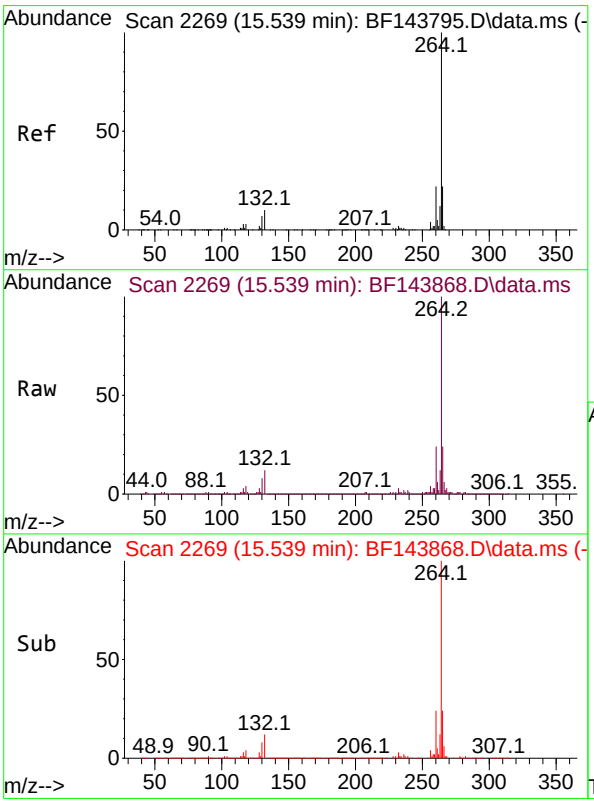
#83
Chrysene
Concen: 27.950 ng
RT: 14.080 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 561165

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	23.5	15.6	23.4#

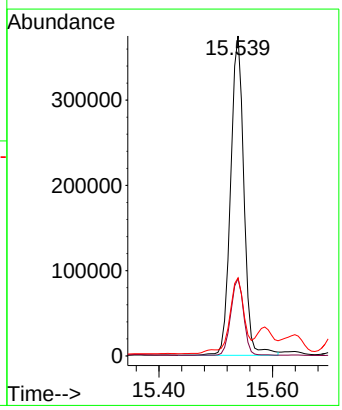


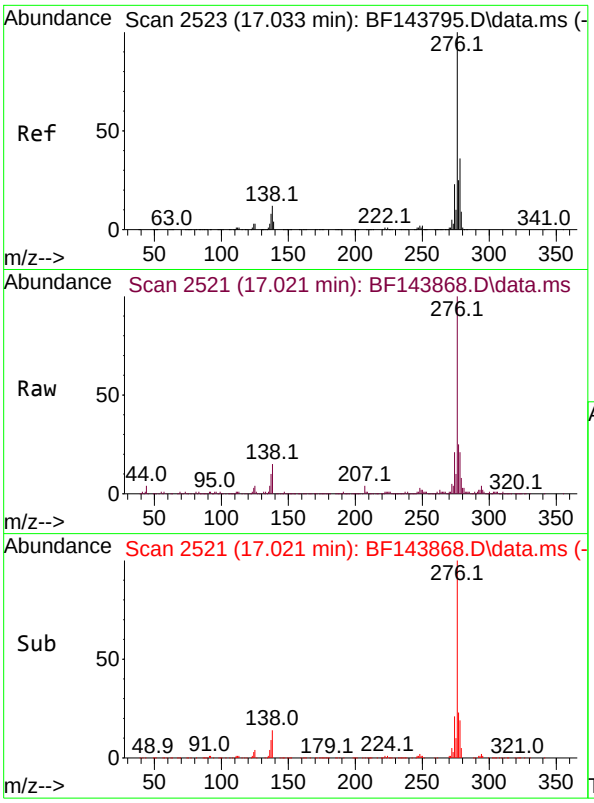


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Tgt Ion:264 Resp: 608240

Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.9	26.9
265	24.4	17.7	26.5



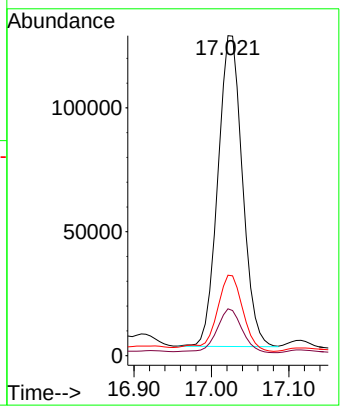


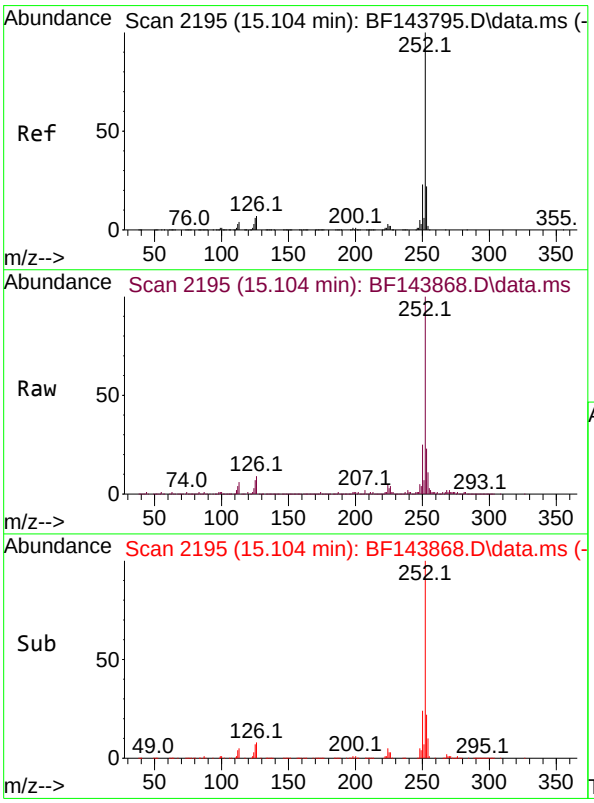
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.982 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 276067

Ion	Ratio	Lower	Upper
276	100		
138	14.7	10.6	15.8
277	26.8	20.7	31.1

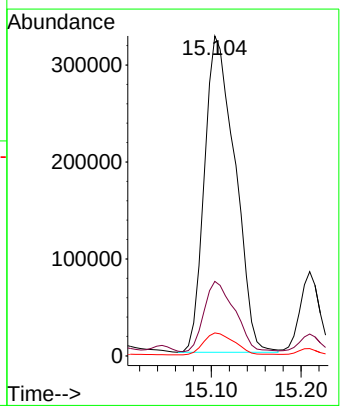


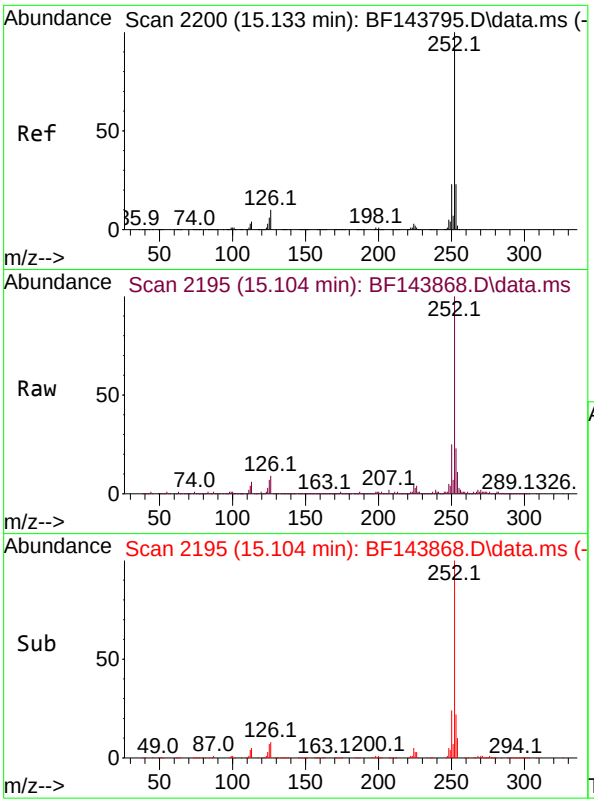


#88
Benzo(b)fluoranthene
Concen: 24.968 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Tgt Ion:252 Resp: 773370

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	7.2	4.4	6.6#



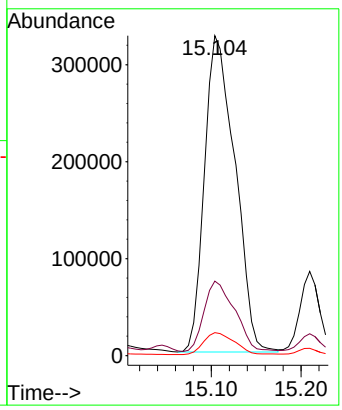


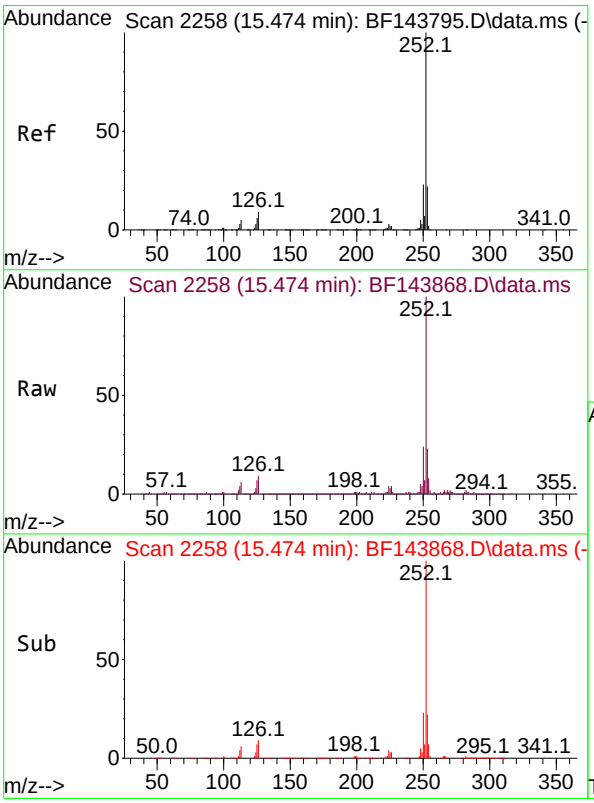
#89
Benzo(k)fluoranthene
Concen: 24.852 ng
RT: 15.104 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 773370

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	7.2	4.6	6.8#

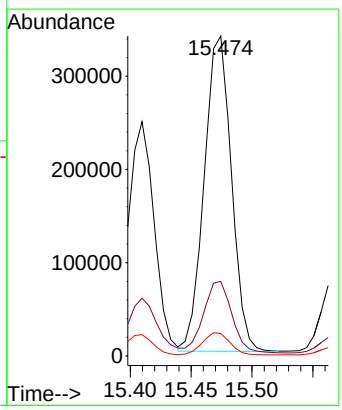


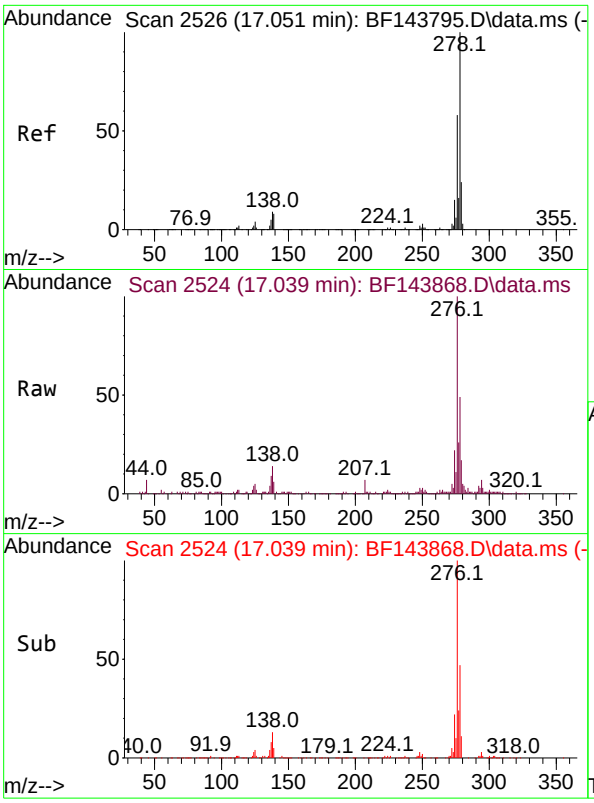


#90
Benzo(a)pyrene
Concen: 18.108 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Tgt Ion:252 Resp: 527210

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	7.0	5.0	7.4



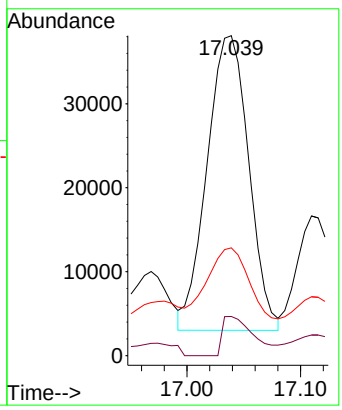


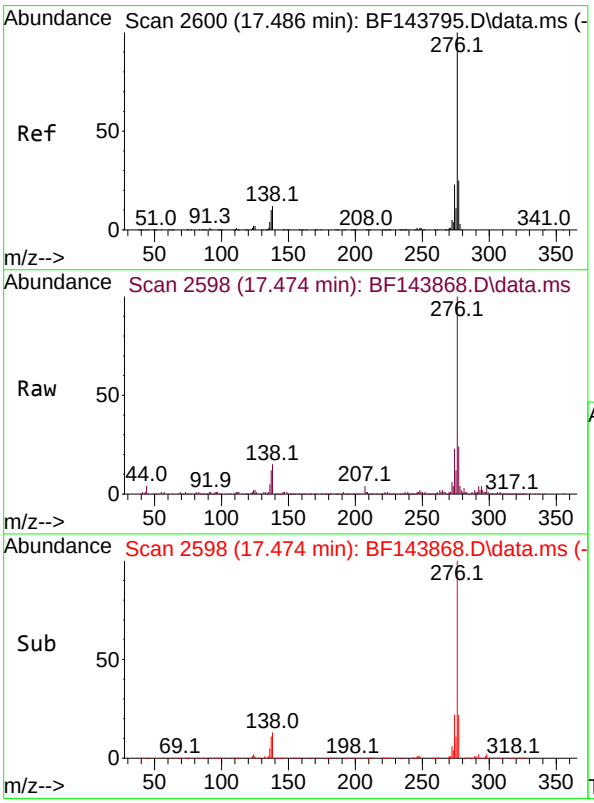
#91
Dibenzo(a,h)anthracene
Concen: 2.374 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 89621

Ion	Ratio	Lower	Upper
278	100		
139	12.3	6.7	10.1#
279	33.7	19.3	28.9#





#92
Benzo(g,h,i)perylene
Concen: 7.841 ng
RT: 17.474 min Scan# 2598
Delta R.T. -0.029 min
Lab File: BF143868.D
Acq: 02 Oct 2025 21:35

Tgt Ion:276 Resp: 285314

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.6	29.4
138	14.5	9.2	13.8#