Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135849.D
Acq On : 18 Oct 2023 16:07
Operator : CG\JU
Sample : 04767-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB-1

Quant Time: Oct 19 01:19:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 01:22:00 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.739	152	91285	20.000	ng		0.00
21) Naphthalene-d8	8.016	136	377669	20.000	ng		0.00
39) Acenaphthene-d10	9.775	164	180203	20.000	ng		-0.01
64) Phenanthrene-d10	11.274	188	377601	20.000	ng		0.00
76) Chrysene-d12	13.939	240	182799	20.000	ng		-0.01
86) Perylene-d12	15.421	264	168263	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.375	112	394703	69.517	ng		0.00
7) Phenol-d6	6.392	99	294884	41.625	ng		0.00
23) Nitrobenzene-d5	7.310	82	579186	84.346	ng		0.00
42) 2,4,6-Tribromophenol	10.575	330	265857	153.746	ng		-0.01
45) 2-Fluorobiphenyl	9.098	172	1013817	87.963	ng		0.00
79) Terphenyl-d14	12.874	244	1190031	120.560	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.410	94	41804	5.632	ng	#	75
19) n-Nitroso-di-n-propyla...	7.163	70	8882	2.028	ng	#	45
20) 3+4-Methylphenols	7.204	107	15989	2.420	ng	#	89
25) Isophorone	7.310	82	579186	44.709	ng	#	66
51) 2,6-Dinitrotoluene	9.775	165	23643	9.038	ng	#	17
56) 4-Nitrophenol	9.986	139	5793	9.164	ng	#	7
57) 2,4-Dinitrotoluene	9.775	165	23643	7.104	ng	#	24
67) 4-Bromophenyl-phenylether	10.575	248	16441	4.337	ng	#	1
71) Phenanthrene	11.298	178	127833	7.067	ng		97
75) Fluoranthene	12.498	202	116789	5.817	ng		96
77) Benzidine	12.874	184	14997	3.760	ng	#	95
78) Pyrene	12.727	202	89706	6.175	ng		98

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

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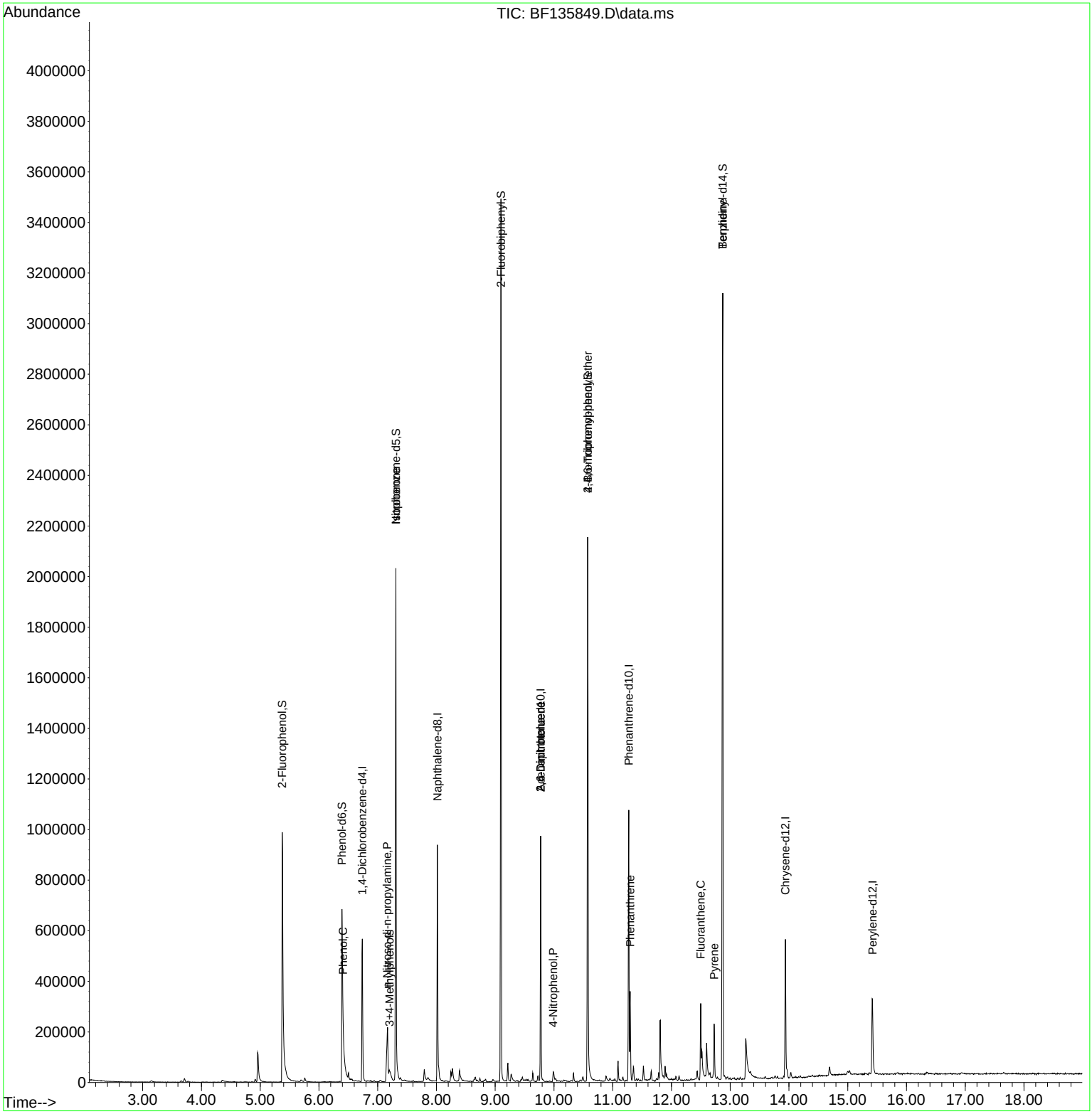
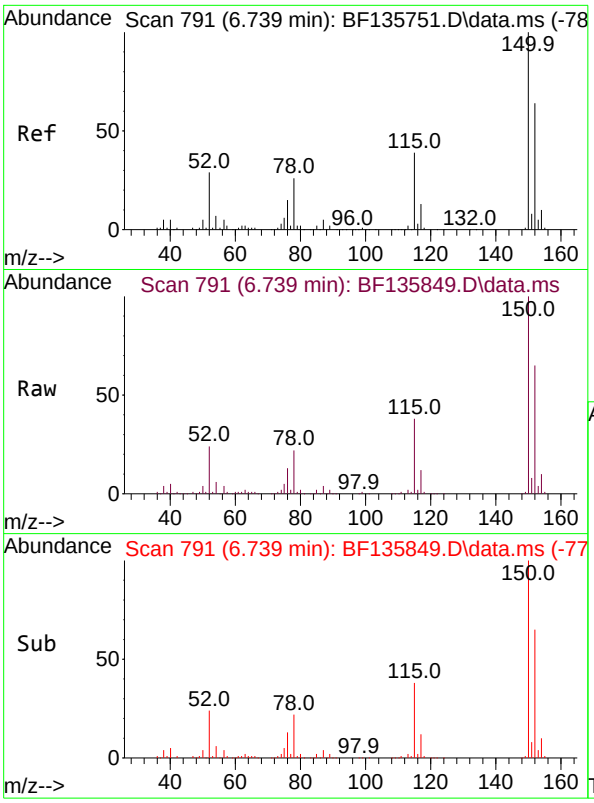


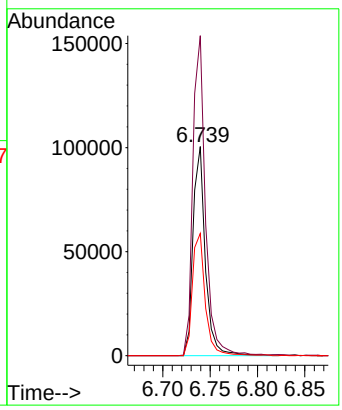


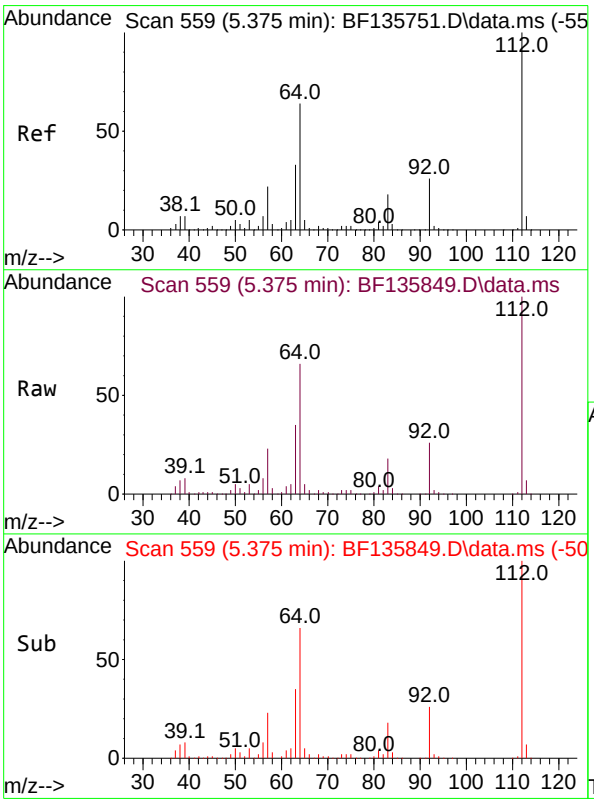
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 7
Delta R.T. -0.007 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Instrument :
BNA_F
ClientSampleId :
EB-1

Tgt Ion:152 Resp: 91285

Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.5	186.7
115	58.4	49.0	73.4

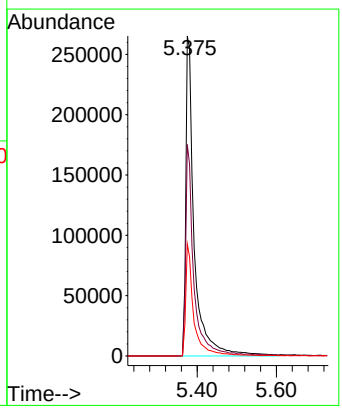


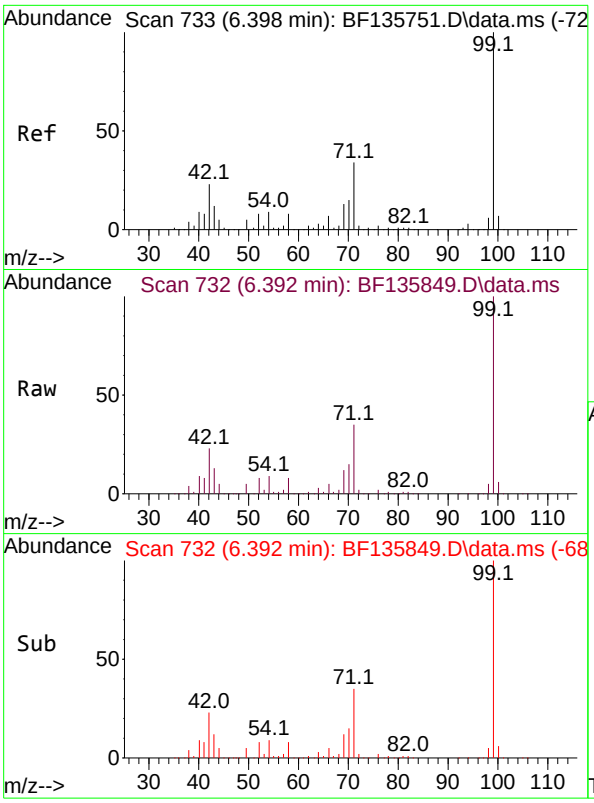


#5
2-Fluorophenol
Concen: 69.517 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion:112 Resp: 394703

Ion	Ratio	Lower	Upper
112	100		
64	66.0	51.2	76.8
63	34.9	26.1	39.1



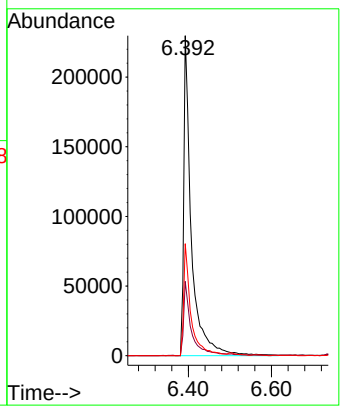


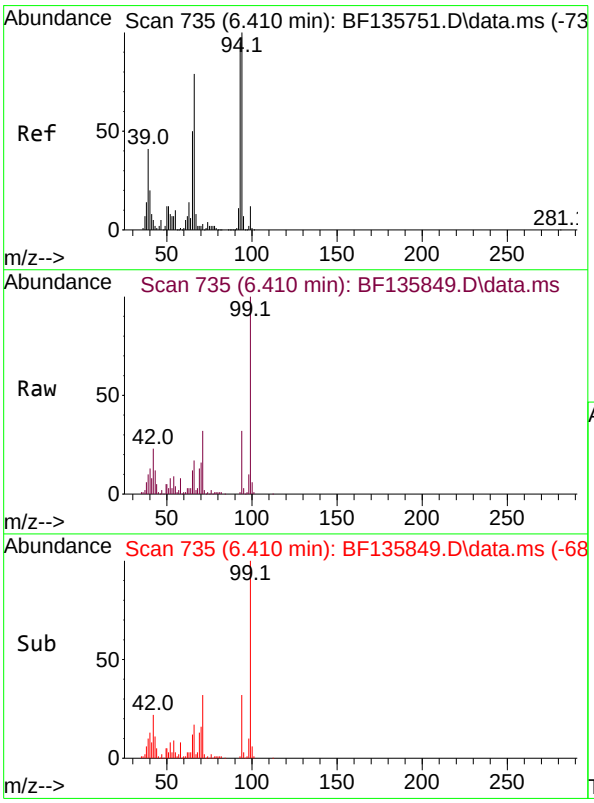
#7
Phenol-d6
Concen: 41.625 ng
RT: 6.392 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Instrument :
BNA_F
ClientSampleId :
EB-1

Tgt Ion: 99 Resp: 294884

Ion	Ratio	Lower	Upper
99	100		
42	23.2	18.4	27.6
71	35.0	27.2	40.8

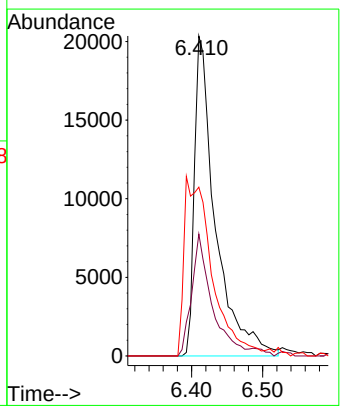


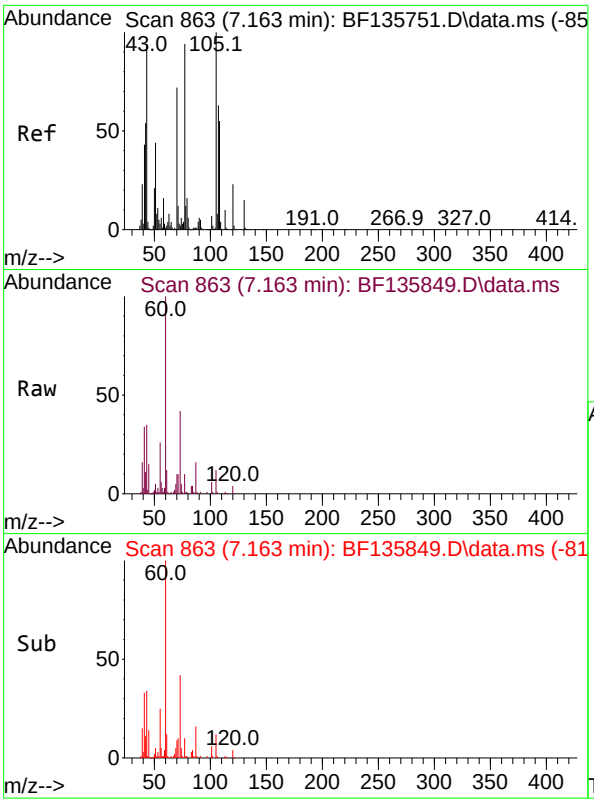


#10
Phenol
Concen: 5.632 ng
RT: 6.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion: 94 Resp: 41804

Ion	Ratio	Lower	Upper
94	100		
65	38.1	30.3	70.3
66	52.7	59.1	99.1#



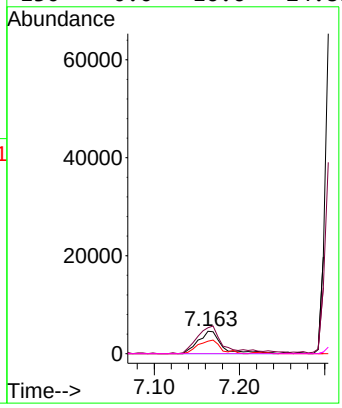


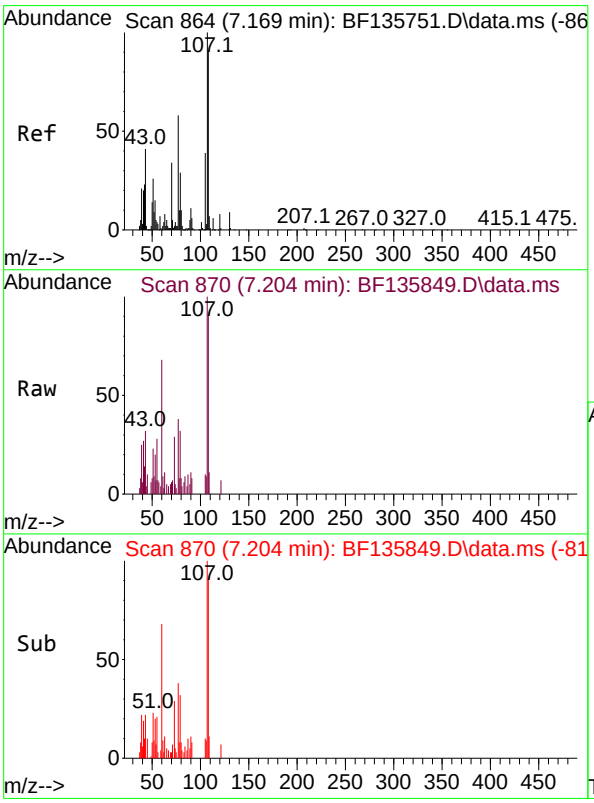
#19
n-Nitroso-di-n-propylamine
Concen: 2.028 ng
RT: 7.163 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Instrument :
BNA_F
ClientSampleId :
EB-1

Tgt Ion: 70 Resp: 8882

Ion	Ratio	Lower	Upper
70	100		
42	115.7	59.8	89.6#
101	56.3	7.4	11.2#
130	0.0	16.6	24.8#

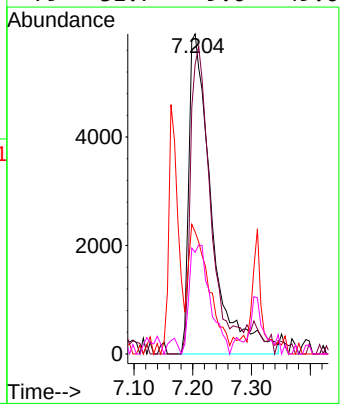


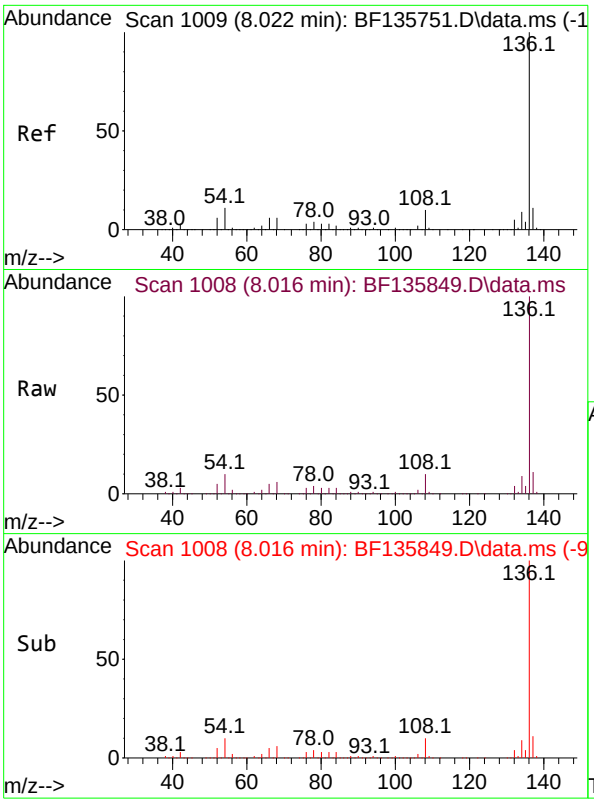


#20
3+4-Methylphenols
Concen: 2.420 ng
RT: 7.204 min Scan# 870
Delta R.T. 0.035 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion:107 Resp: 15989

Ion	Ratio	Lower	Upper
107	100		
108	90.5	71.1	111.1
77	38.1	42.0	82.0#
79	31.7	9.6	49.6



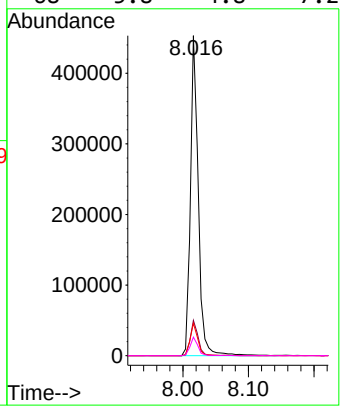


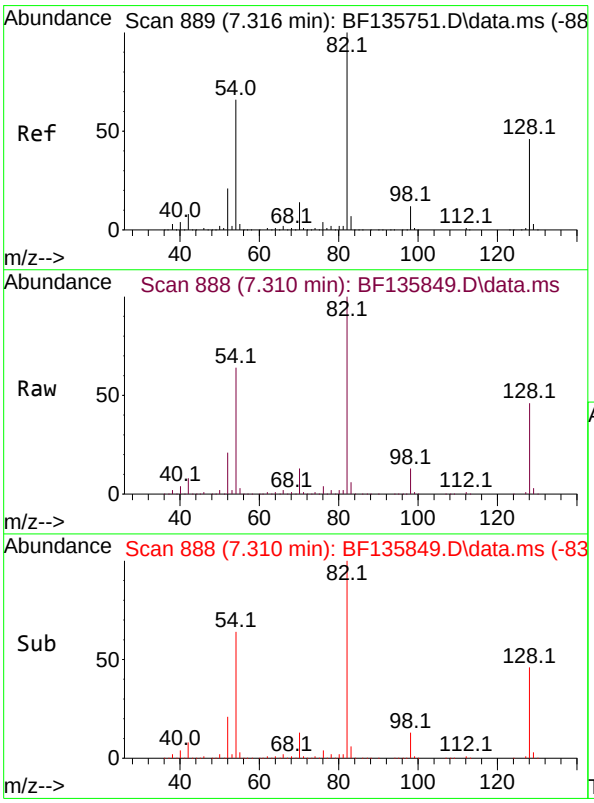
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Instrument :
BNA_F
ClientSampleId :
EB-1

Tgt Ion:136 Resp: 377669

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	10.1	8.5	12.7
68	5.8	4.8	7.2

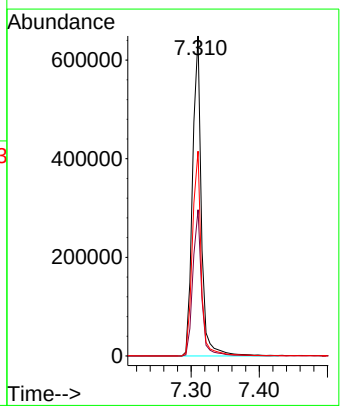


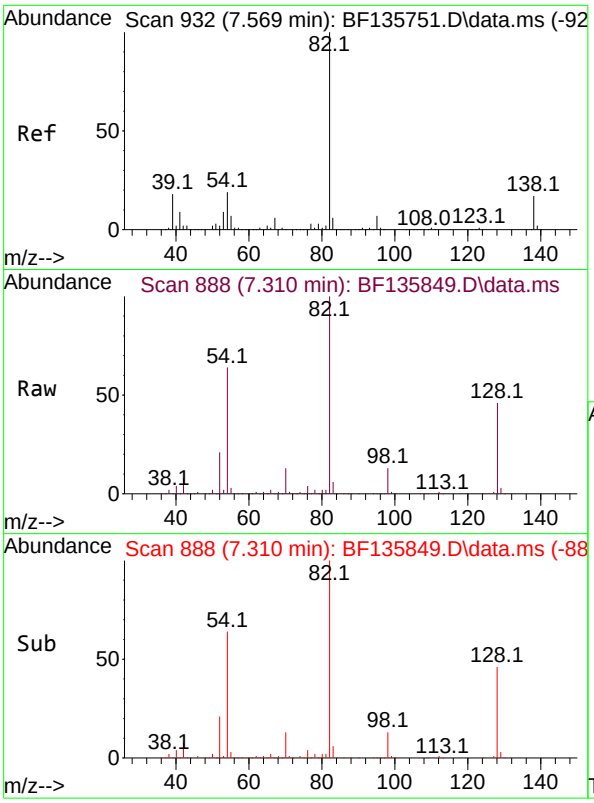


#23
Nitrobenzene-d5
Concen: 84.346 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion: 82 Resp: 579186

Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.0	55.6
54	64.0	52.8	79.2



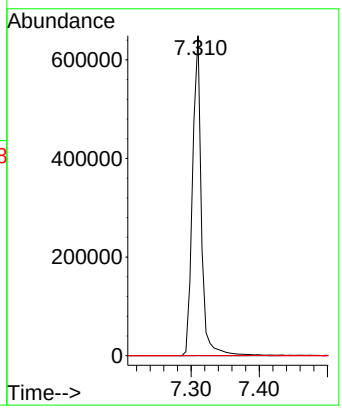


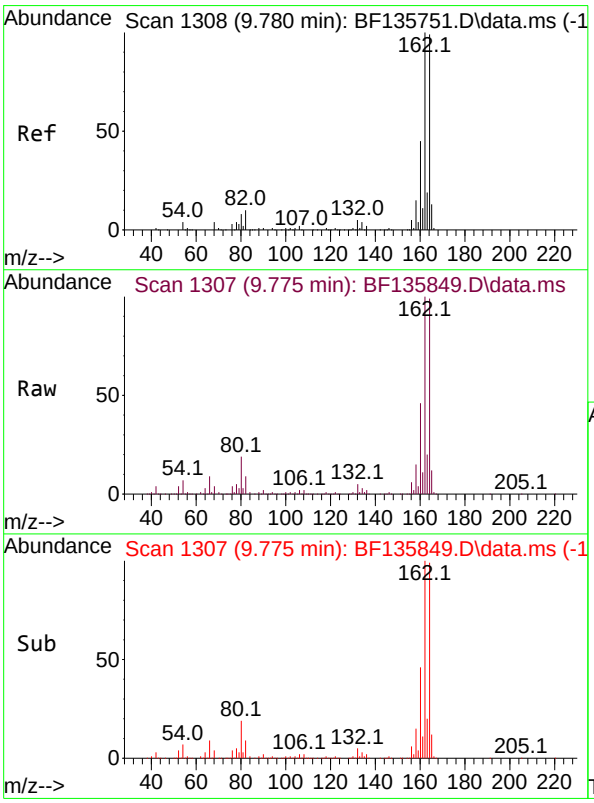
#25
Isophorone
Concen: 44.709 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.259 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Instrument :
BNA_F
ClientSampleId :
EB-1

Tgt Ion: 82 Resp: 579186

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.5	8.3#
138	0.0	13.9	20.9#

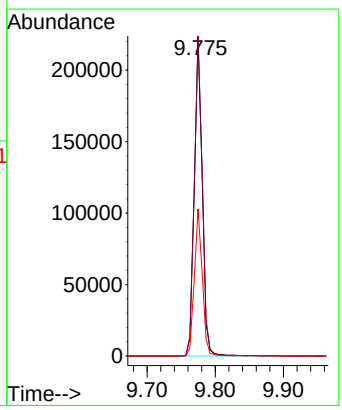


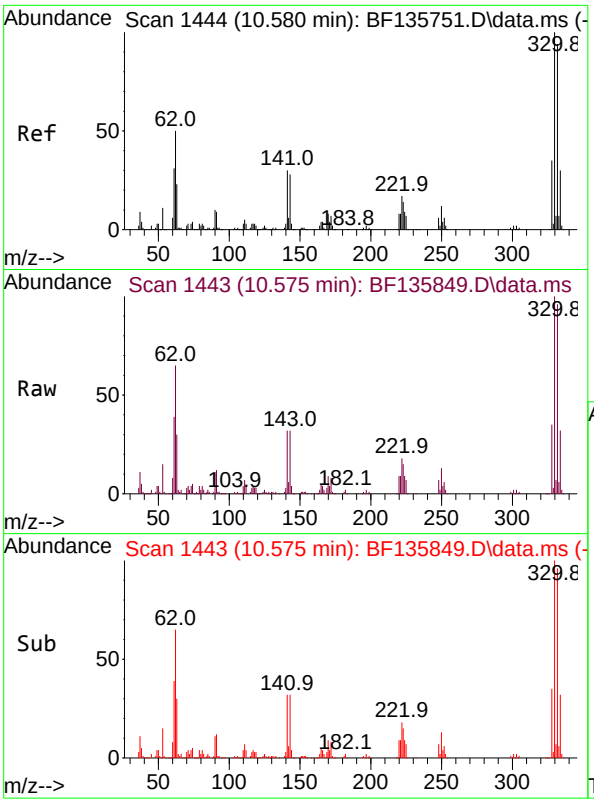


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion:164 Resp: 180203

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.8	121.2
160	46.3	36.6	54.8



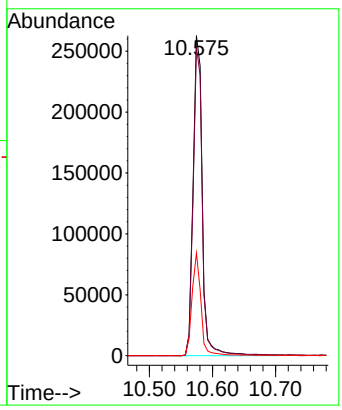


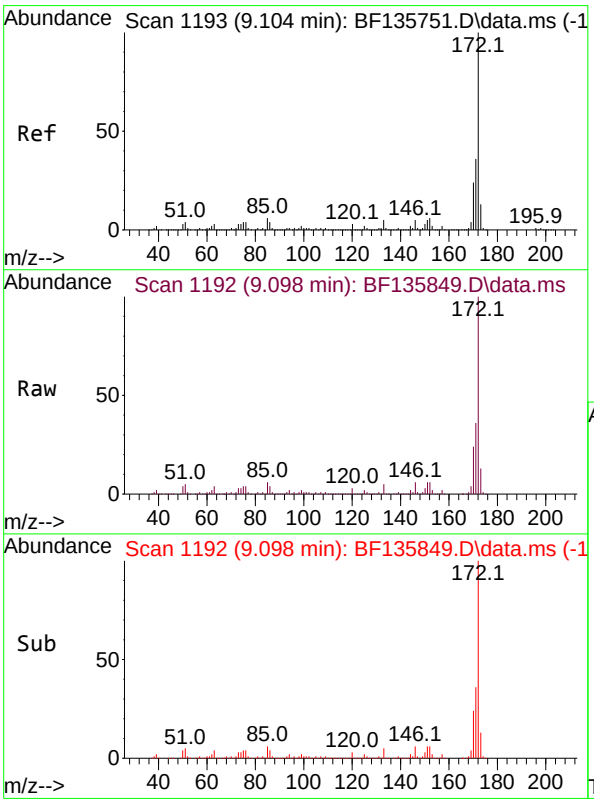
#42
2,4,6-Tribromophenol
Concen: 153.746 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Instrument :
BNA_F
ClientSampleId :
EB-1

Tgt Ion:330 Resp: 265857

Ion	Ratio	Lower	Upper
330	100		
332	96.1	75.0	112.4
141	31.4	25.8	38.6

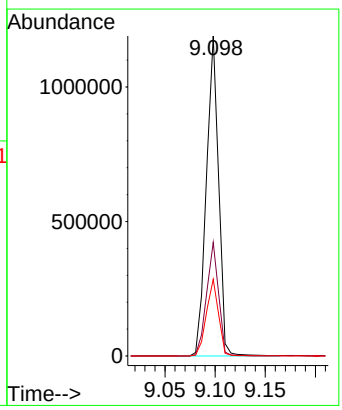


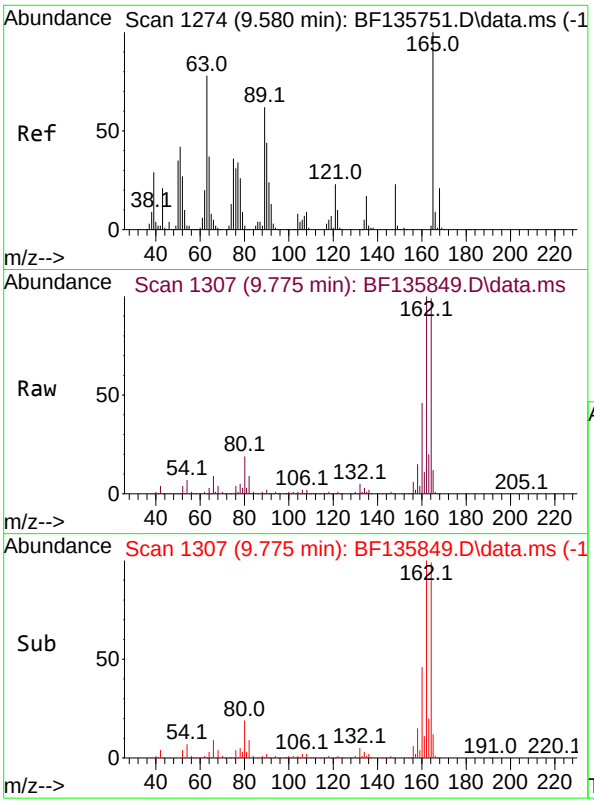


#45
2-Fluorobiphenyl
Concen: 87.963 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion:172 Resp: 1013817

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.9	18.8	28.2



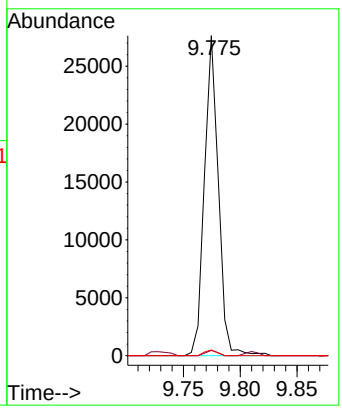


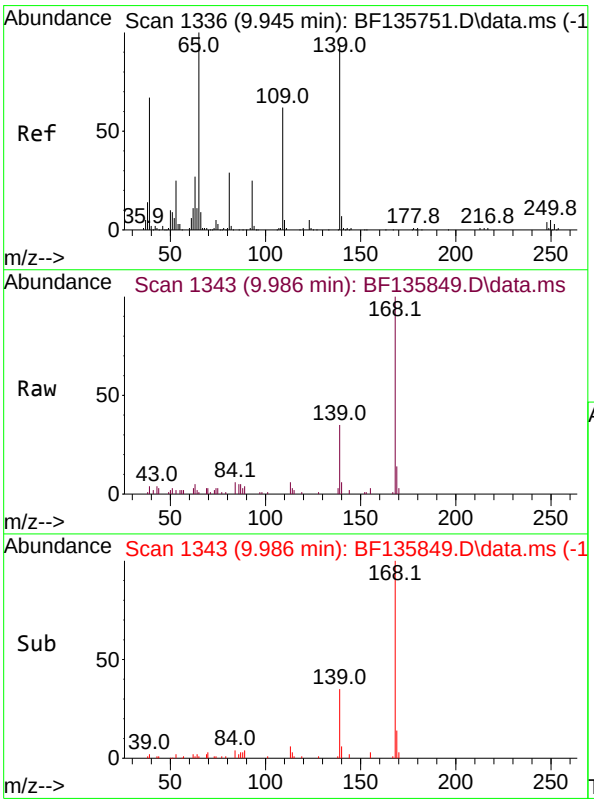
#51
2,6-Dinitrotoluene
Concen: 9.038 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.188 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Instrument :
BNA_F
ClientSampleId :
EB-1

Tgt Ion:165 Resp: 23643

Ion	Ratio	Lower	Upper
165	100		
63	1.6	62.2	93.4#
89	1.8	49.6	74.4#

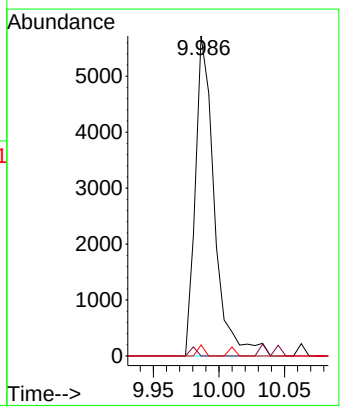


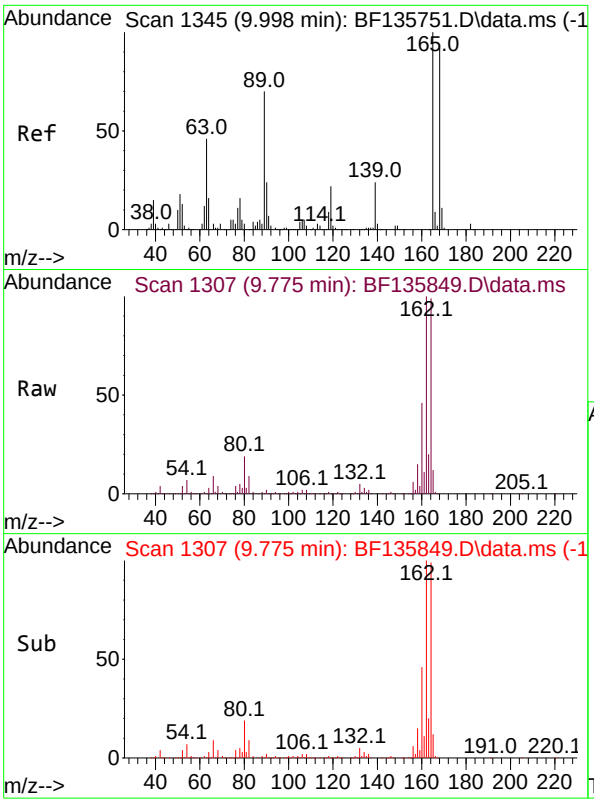


#56
4-Nitrophenol
Concen: 9.164 ng
RT: 9.986 min Scan# 1343
Delta R.T. 0.041 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion:139 Resp: 5793

Ion	Ratio	Lower	Upper
139	100		
109	0.0	45.6	85.6#
65	3.4	87.5	127.5#



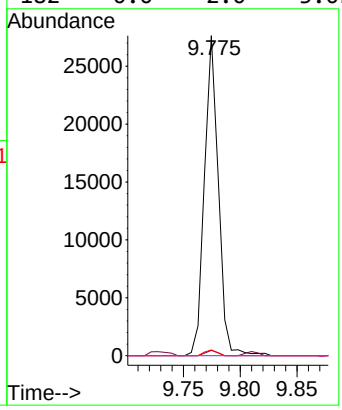


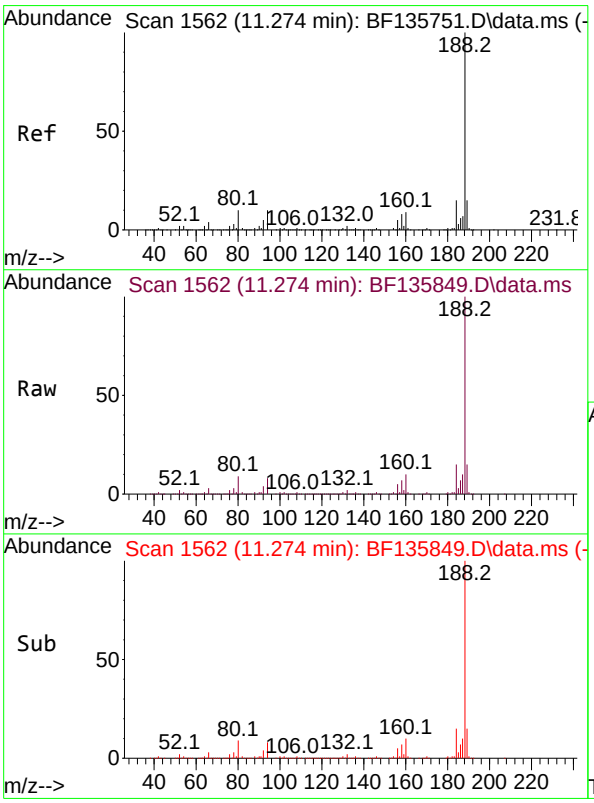
#57
2,4-Dinitrotoluene
Concen: 7.104 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.230 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Instrument :
BNA_F
ClientSampleId :
EB-1

Tgt Ion:165 Resp: 23643

Ion	Ratio	Lower	Upper
165	100		
63	1.6	39.0	58.4#
89	1.8	55.9	83.9#
182	0.0	2.0	3.0#

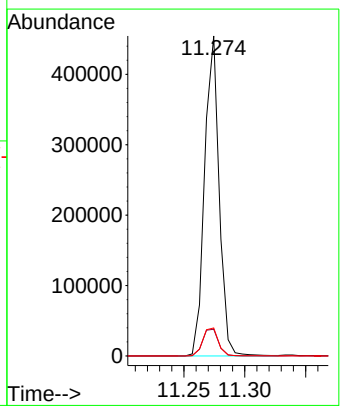


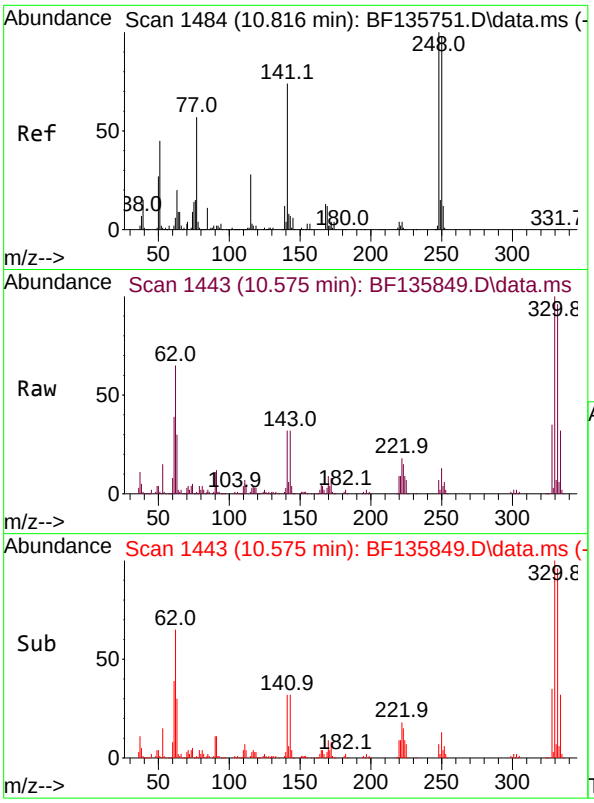


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.274 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion:188 Resp: 377601

Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.0	12.0
80	8.8	8.3	12.5



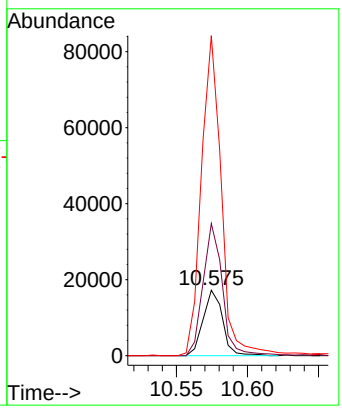


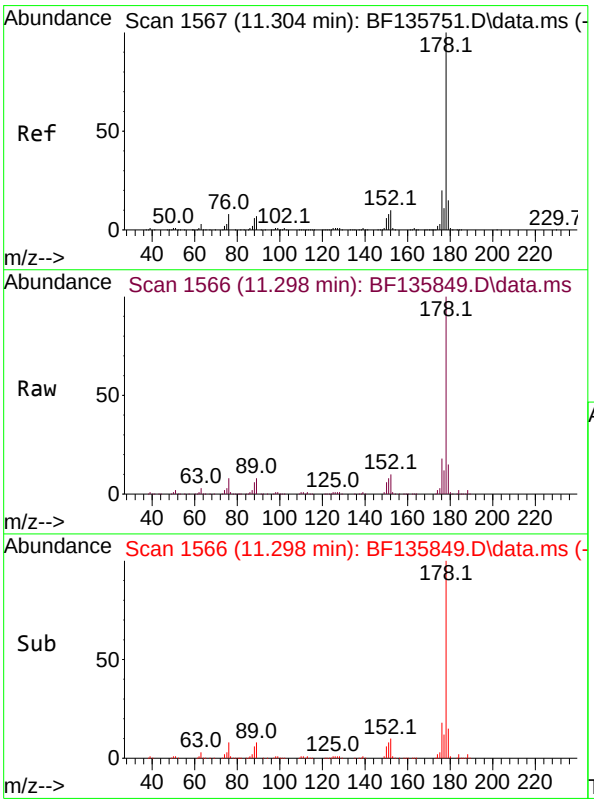
#67
4-Bromophenyl-phenylether
Concen: 4.337 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Instrument :
BNA_F
ClientSampleId :
EB-1

Tgt Ion:248 Resp: 16441

Ion	Ratio	Lower	Upper
248	100		
250	202.1	78.0	117.0#
141	489.4	59.0	88.6#

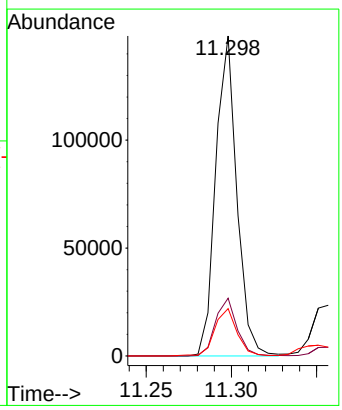


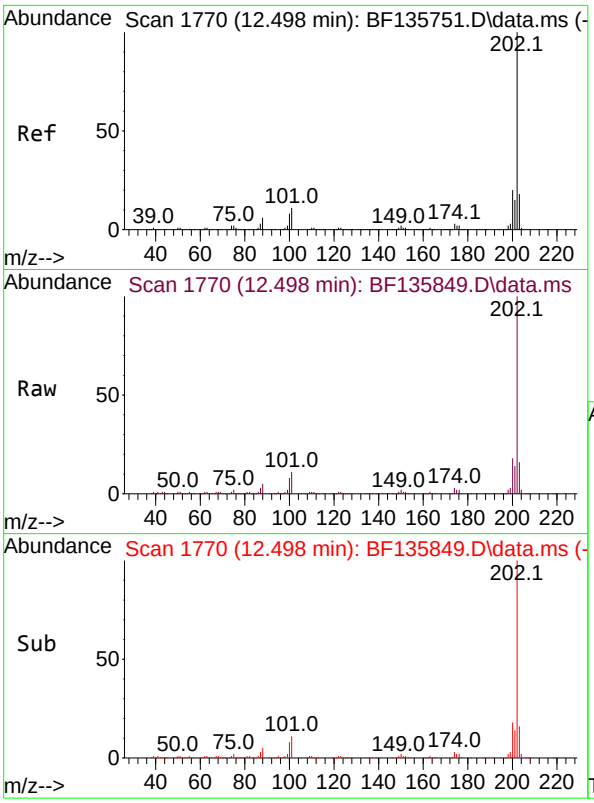


#71
Phenanthrene
Concen: 7.067 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion:178 Resp: 127833

Ion	Ratio	Lower	Upper
178	100		
176	18.0	16.0	24.0
179	14.8	12.2	18.4



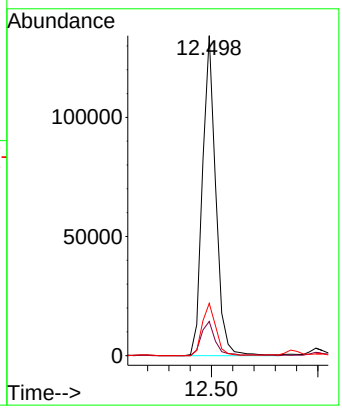


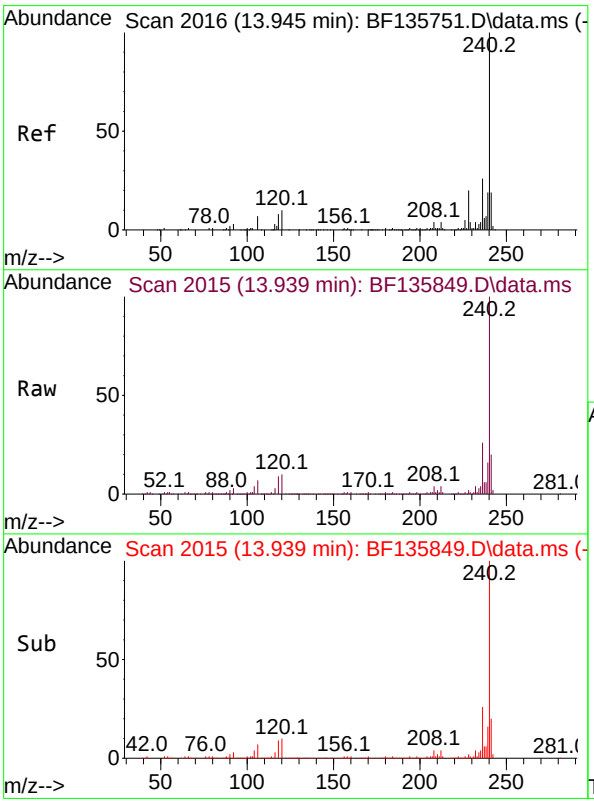
#75
Fluoranthene
Concen: 5.817 ng
RT: 12.498 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Instrument :
BNA_F
ClientSampleId :
EB-1

Tgt Ion:202 Resp: 116789

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.5
203	16.3	0.0	38.3

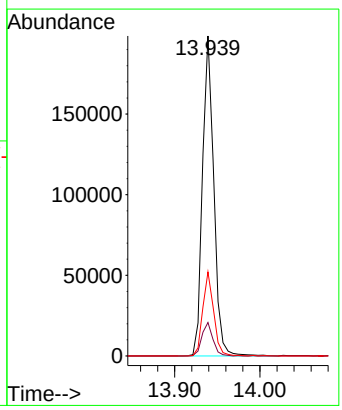


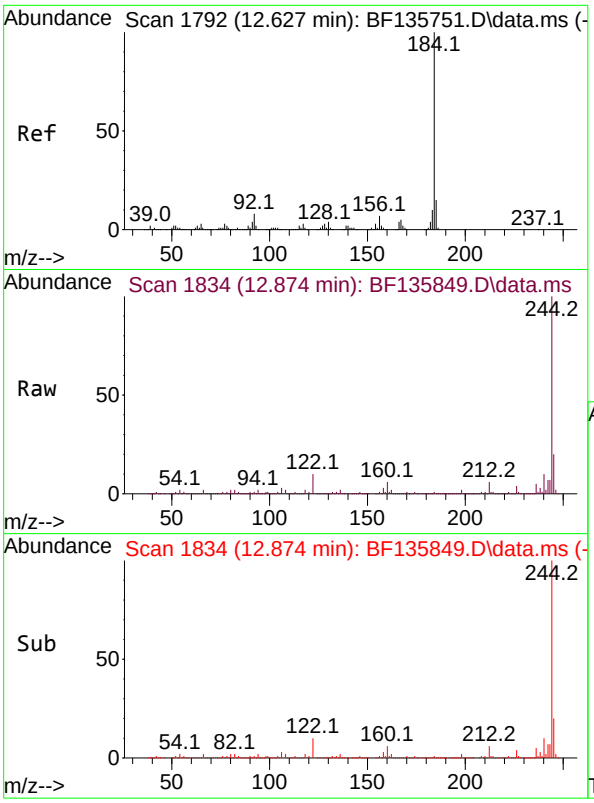


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion:240 Resp: 182799

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.2	12.2
236	26.3	21.2	31.8



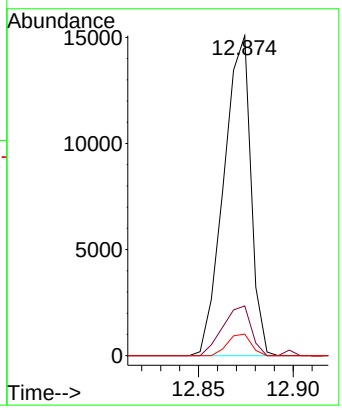


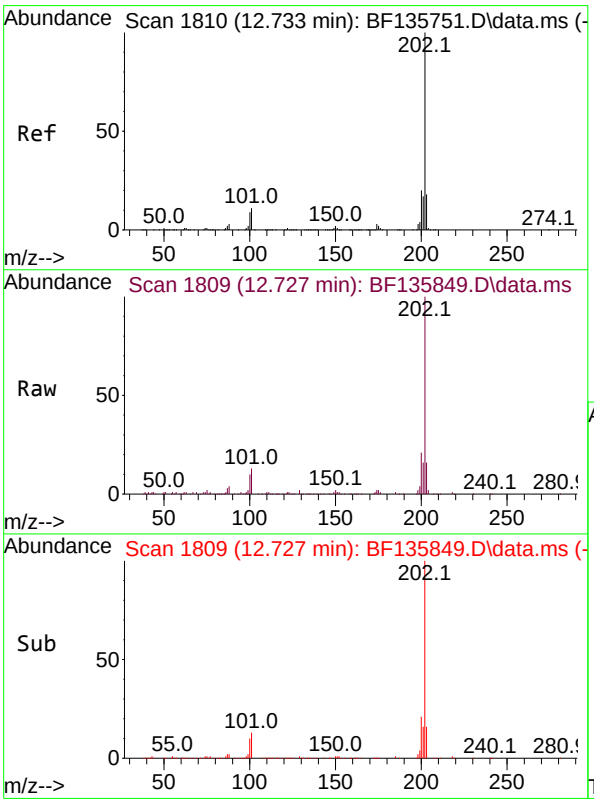
#77
Benzidine
Concen: 3.760 ng
RT: 12.874 min Scan# 1
Delta R.T. 0.241 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Instrument :
BNA_F
ClientSampleId :
EB-1

Tgt Ion:184 Resp: 14997

Ion	Ratio	Lower	Upper
184	100		
185	15.6	12.0	18.0
183	6.7	8.2	12.2#

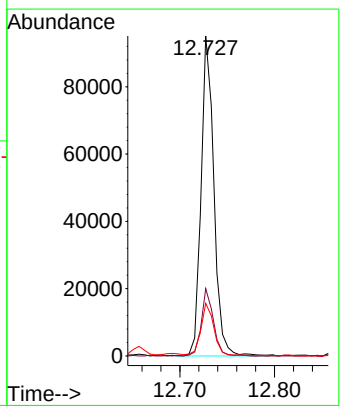


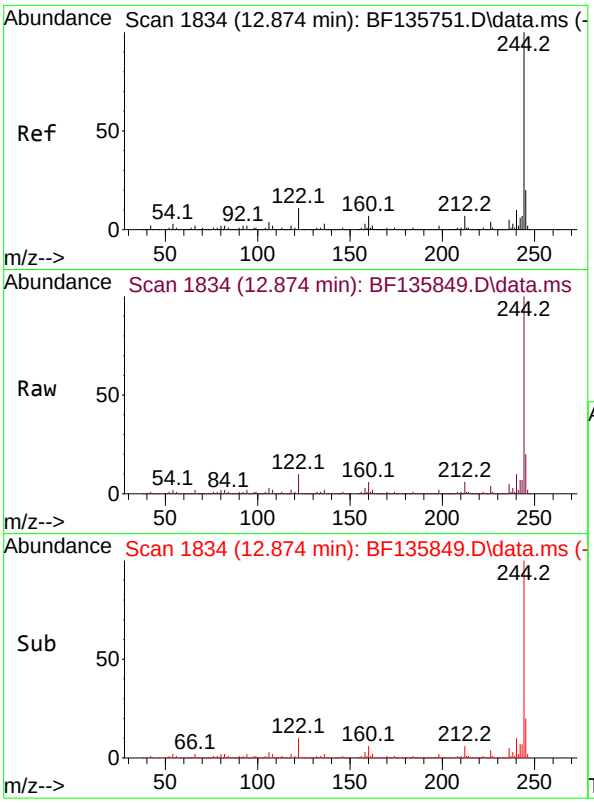


#78
Pyrene
Concen: 6.175 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion:202 Resp: 89706

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.1	24.1
203	16.4	14.2	21.2



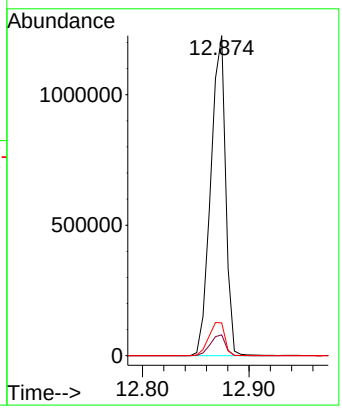


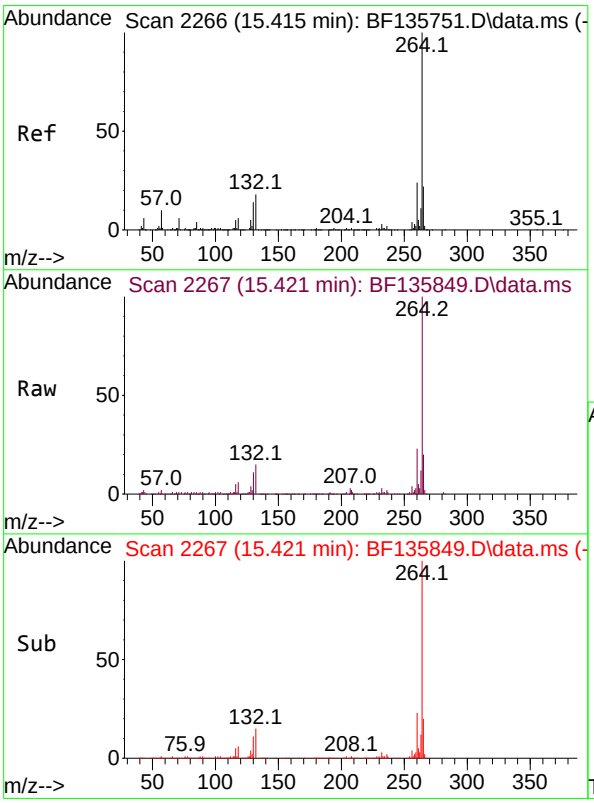
#79
Terphenyl-d14
Concen: 120.560 ng
RT: 12.874 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Instrument :
BNA_F
ClientSampleId :
EB-1

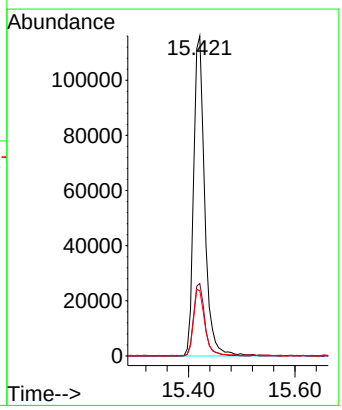
Tgt Ion:244 Resp: 1190031

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.6	8.4
122	10.3	9.0	13.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion:264 Resp: 168263

Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	20.4	17.4	26.2