Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116003.D
Acq On : 6 Aug 2019 10:42
Operator : HP/JU
Sample : PB121973BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PB121973BL

Quant Time: Aug 07 01:38:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 15:31:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	168576	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	648592	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	344494	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	624750	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	461518	20.00	ng	-0.02
87) Perylene-d12	15.47	264	427537	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1227526	121.90	ng	0.01
7) Phenol-d6	6.48	99	1622172	127.68	ng	0.00
23) Nitrobenzene-d5	7.40	82	1079619	96.08	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	460368	137.84	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1819356	98.92	ng	-0.02
79) Terphenyl-d14	12.95	244	2040766	93.18	ng	-0.02
Target Compounds						Qvalue
6) Aniline	6.62	93	1694	0.093	ng	# 1
8) 2-Chlorophenol	6.63	128	318	0.029	ng	# 1
9) Benzaldehyde	6.48	77	2348	0.268	ng	# 1
10) Phenol	6.48	94	253	0.017	ng	# 1
11) bis(2-Chloroethyl)ether	6.62	93	1694	0.154	ng	# 1
15) Benzyl Alcohol	7.00	79	17622	1.828	ng	# 43
24) Nitrobenzene	7.40	77	3392	0.280	ng	# 39
38) 1-Methylnaphthalene	9.20	142	840	0.044	ng	# 42
46) 1,1'-Biphenyl	9.30	154	3560	0.146	ng	90
48) 2-Nitroaniline	9.20	65	3137	0.469	ng	# 1
52) Acenaphthene	9.87	154	956	0.053	ng	# 5
58) Fluorene	10.67	166	18992	0.937	ng	# 90
63) Azobenzene	10.67	77	2155	0.096	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.67	198	1018	0.307	ng	# 1
66) n-Nitrosodiphenylamine	10.67	169	13277	0.706	ng	# 48
71) Phenanthrene	11.39	178	633	0.020	ng	# 59
72) Anthracene	11.39	178	633	0.020	ng	# 60
74) Di-n-butylphthalate	11.92	149	634	0.019	ng	# 77
75) Fluoranthene	12.59	202	407	0.012	ng	64
77) Benzidine	12.95	184	28088	1.801	ng	94
78) Pyrene	12.82	202	409	0.012	ng	# 56
81) Benzo(a)anthracene	14.00	228	1775	0.060	ng	# 59
83) Chrysene	14.00	228	1775	0.062	ng	# 57
84) Bis(2-ethylhexyl)phthalate	13.97	149	550	0.029	ng	# 52
85) Di-n-octyl phthalate	14.59	149	450	0.015	ng	# 78
88) Benzo(b)fluoranthene	15.06	252	816	0.033	ng	# 61
89) Benzo(k)fluoranthene	15.08	252	544	0.023	ng	# 59
90) Benzo(a)pyrene	15.47	252	1413	0.064	ng	# 1

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

Quantitation Report (QT Reviewed)

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Data File : BF116003.D
Acq On : 6 Aug 2019 10:42
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Sample : PB121973BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Quant Time: Aug 07 01:38:49 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 15:31:51 2019
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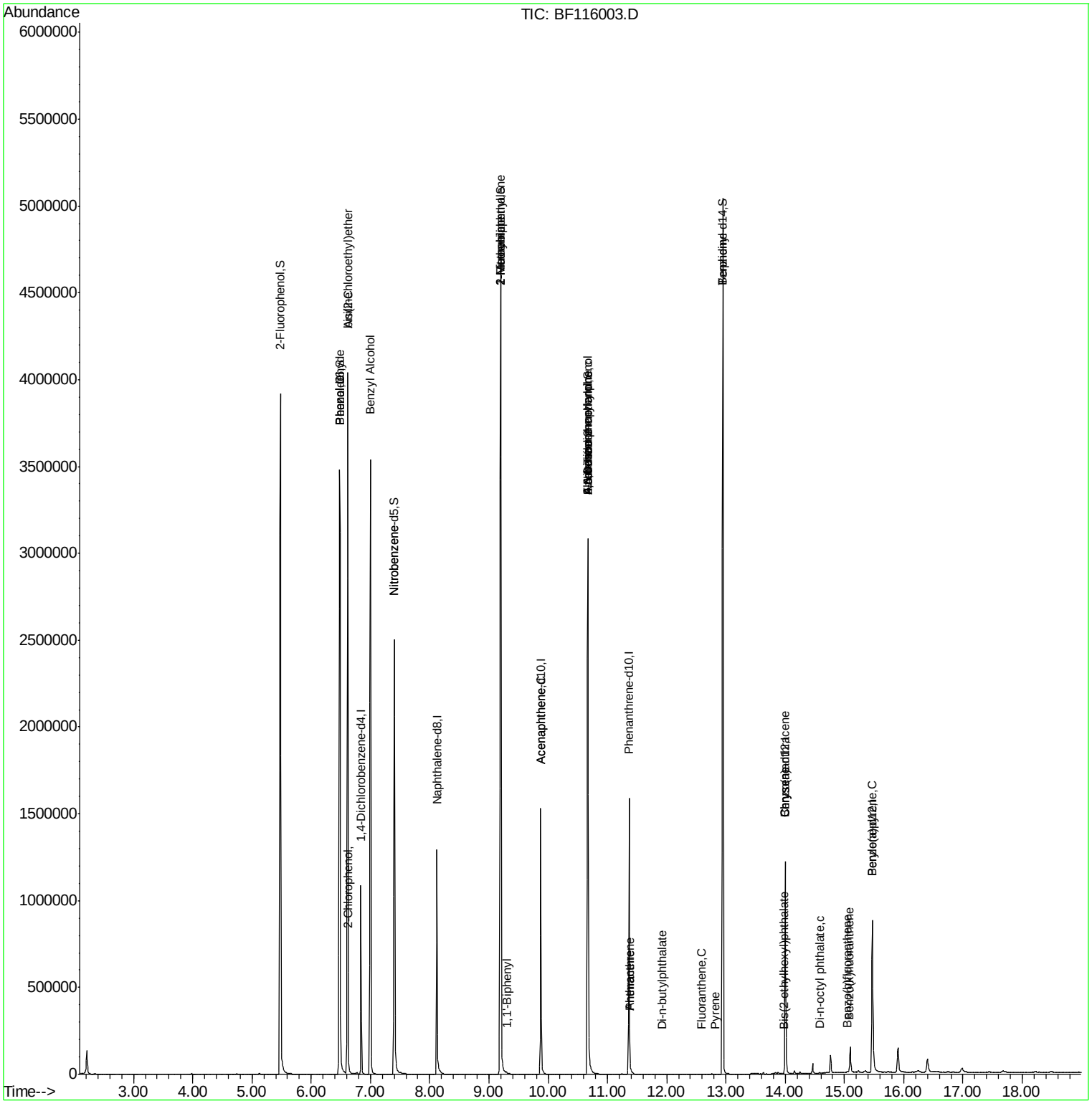
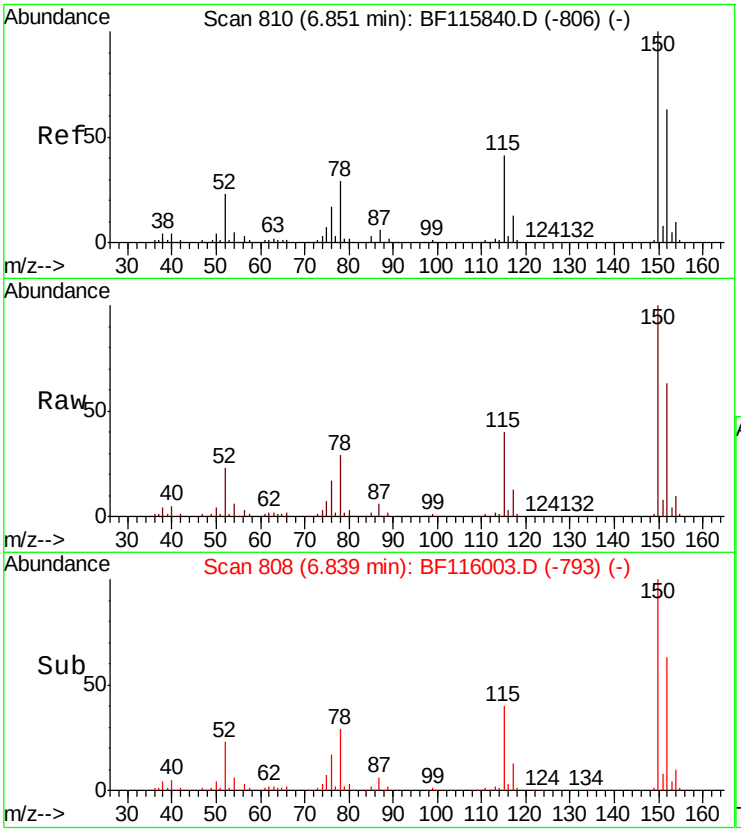


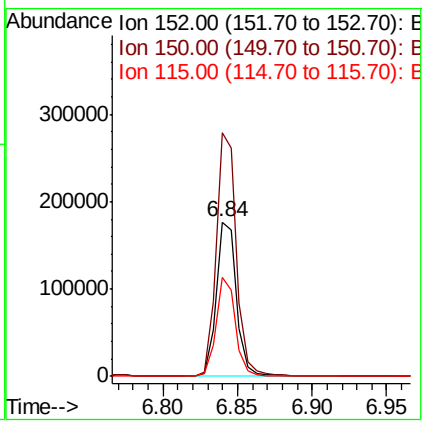


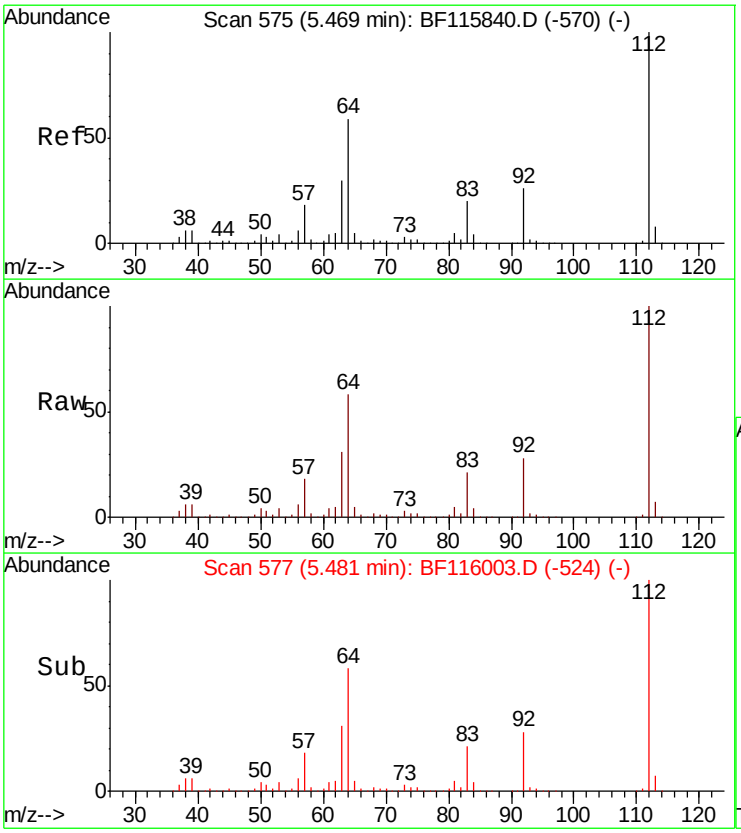
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion:152 Resp: 168576

Ion	Ratio	Lower	Upper
152	100		
150	157.6	127.4	191.0
115	63.7	51.8	77.8

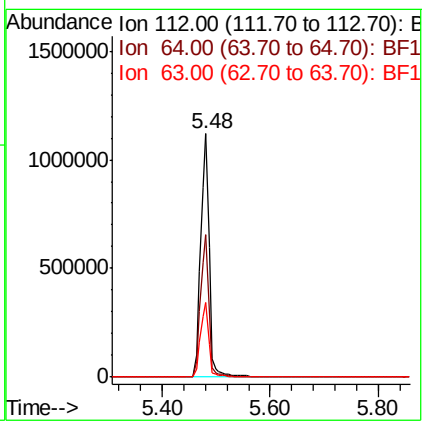


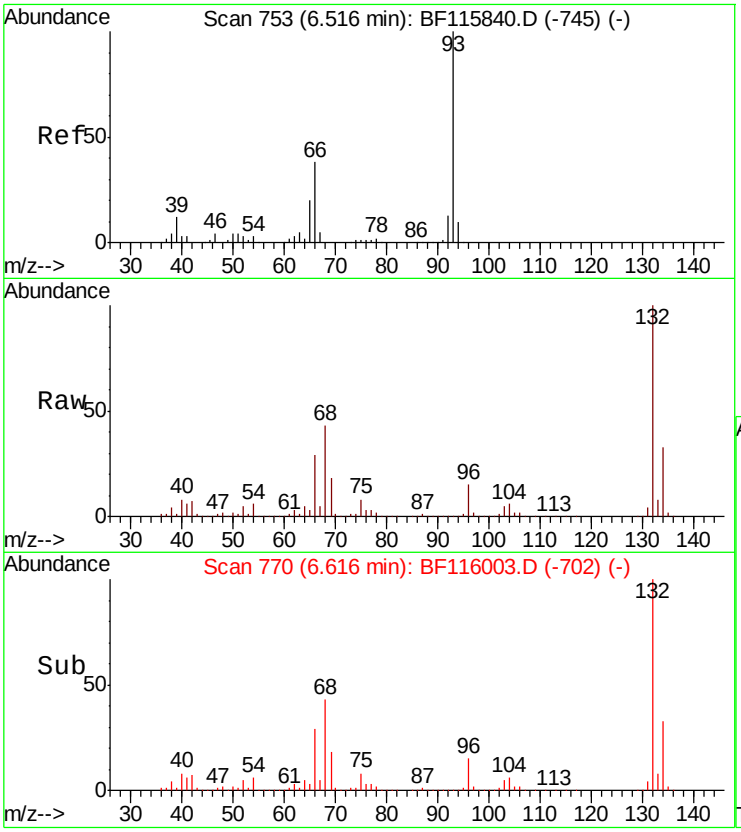


#5
2-Fluorophenol
Concen: 121.901 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion:112 Resp: 1227526

Ion	Ratio	Lower	Upper
112	100		
64	58.3	46.8	70.2
63	30.5	24.2	36.2



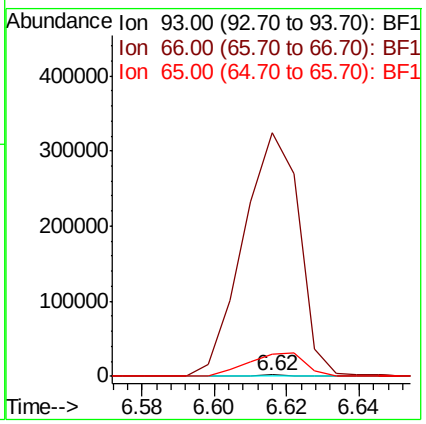


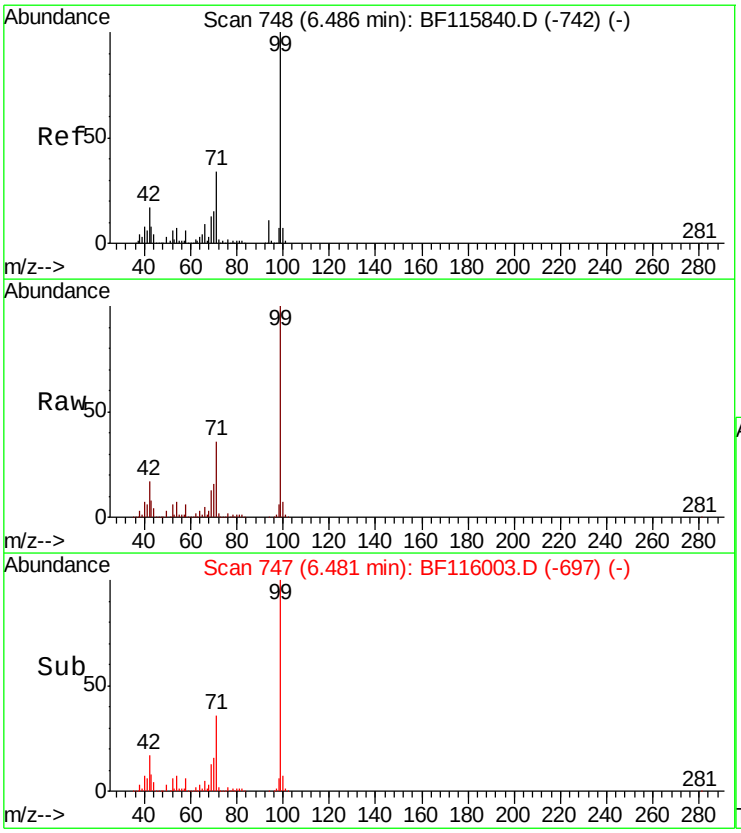
#6
Aniline
Concen: 0.093 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.10 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion: 93 Resp: 1694

Ion	Ratio	Lower	Upper
93	100		
66	19441.9	31.4	47.0#
65	1787.6	16.5	24.7#

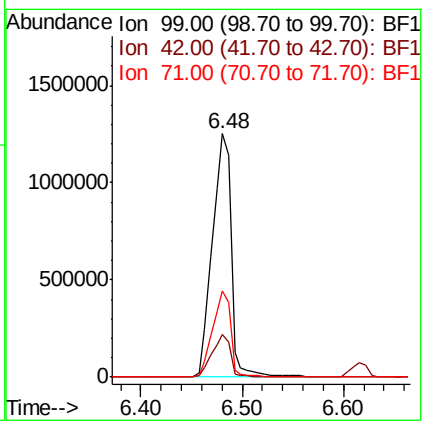


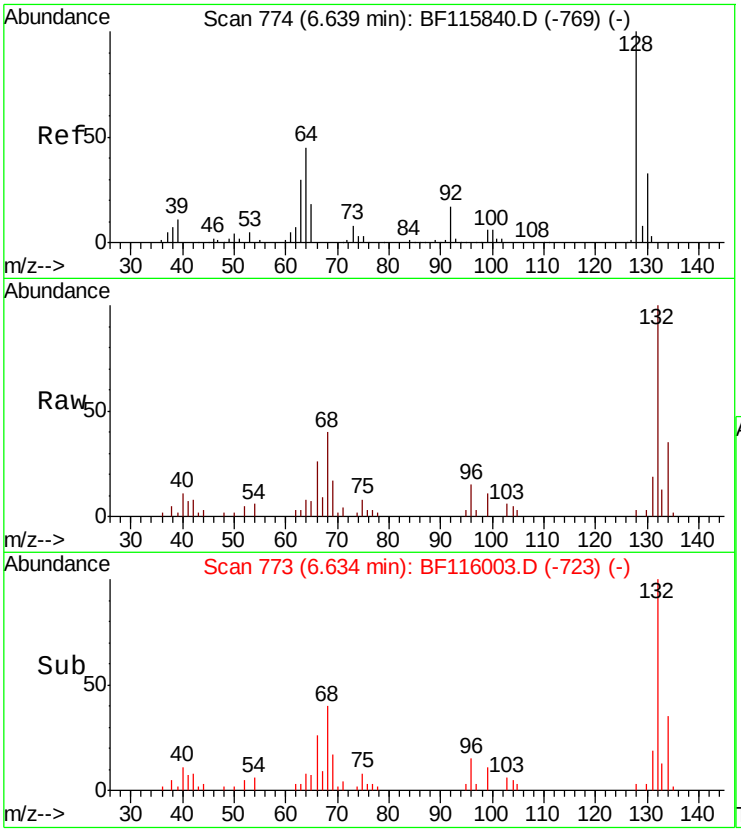


#7
Phenol-d6
Concen: 127.681 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion: 99 Resp: 1622172

Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.8	20.6
71	35.5	27.1	40.7



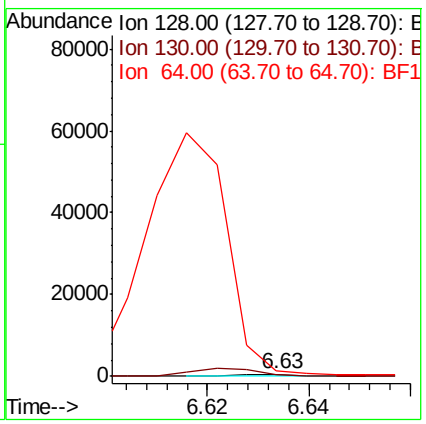


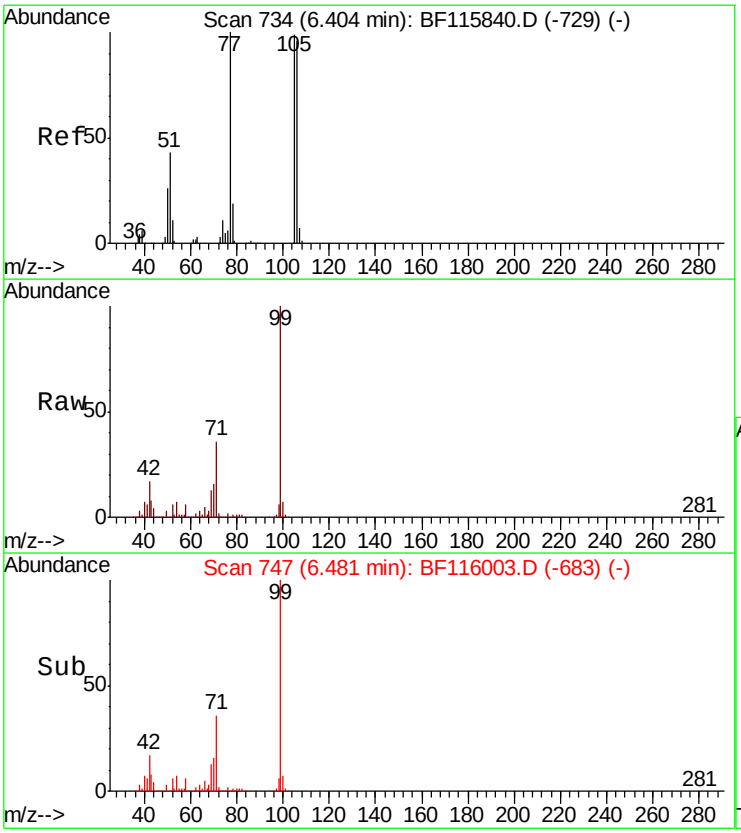
#8
2-Chlorophenol
Concen: 0.029 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion:128 Resp: 318

Ion	Ratio	Lower	Upper
128	100		
130	101.5	12.9	52.9#
64	268.7	26.1	66.1#

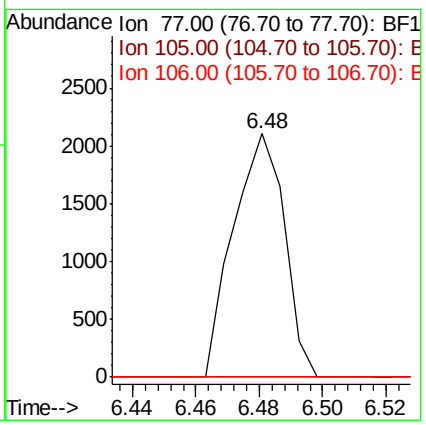


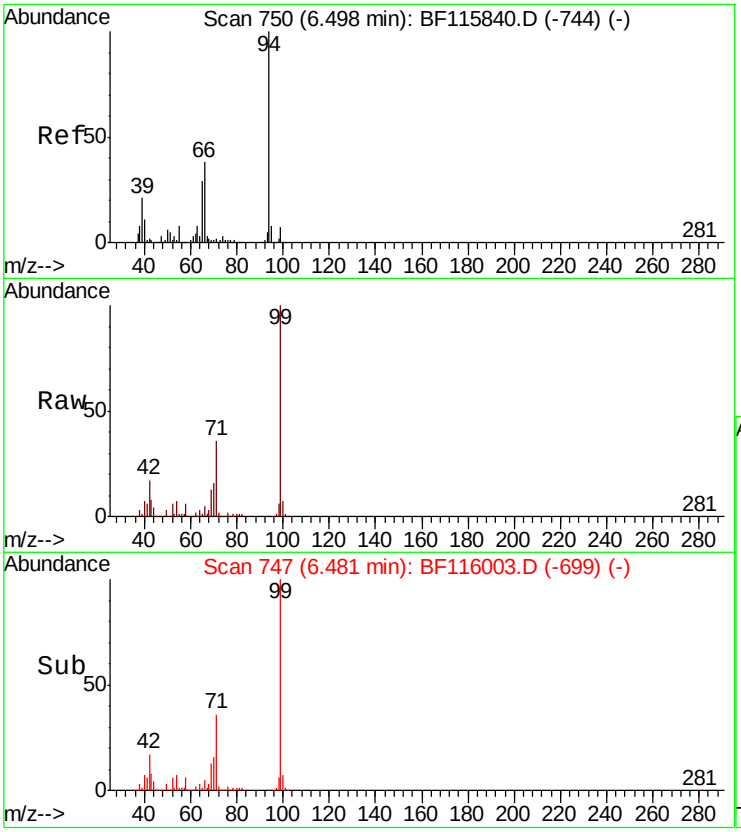


#9
Benzaldehyde
Concen: 0.268 ng
RT: 6.48 min Scan# 747
Delta R.T. 0.08 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion: 77 Resp: 2348

Ion	Ratio	Lower	Upper
77	100		
105	0.0	79.0	119.0#
106	0.0	76.2	116.2#



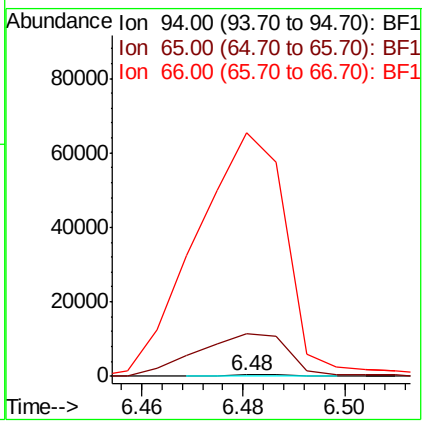


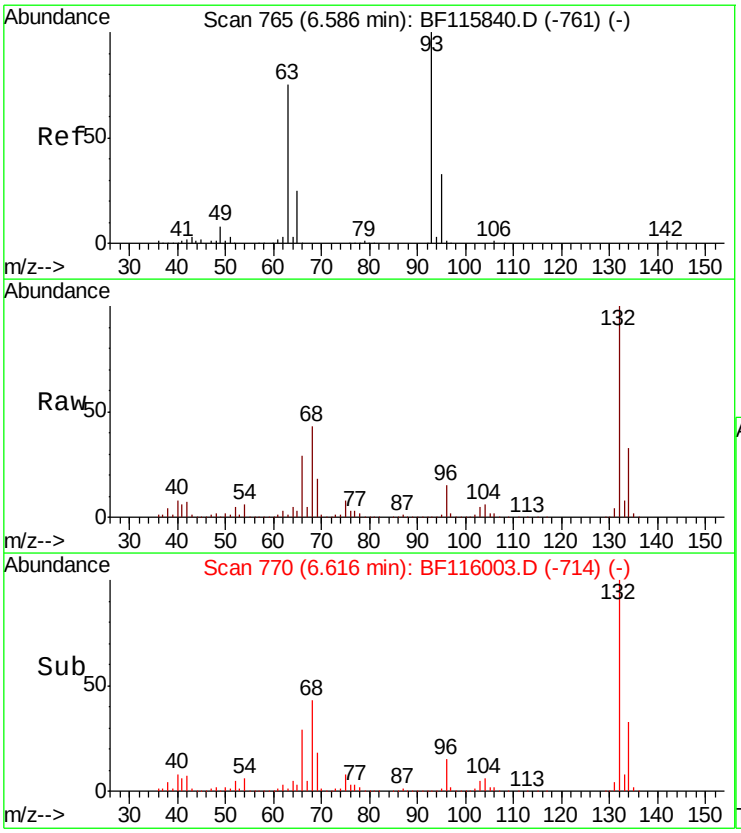
#10
Phenol
Concen: 0.017 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.02 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion: 94 Resp: 253

Ion	Ratio	Lower	Upper
94	100		
65	3192.8	8.9	48.9#
66	18157.8	18.0	58.0#

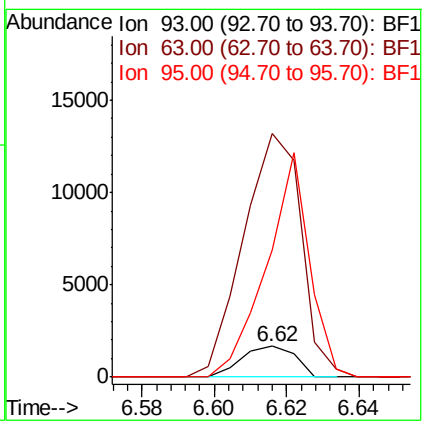


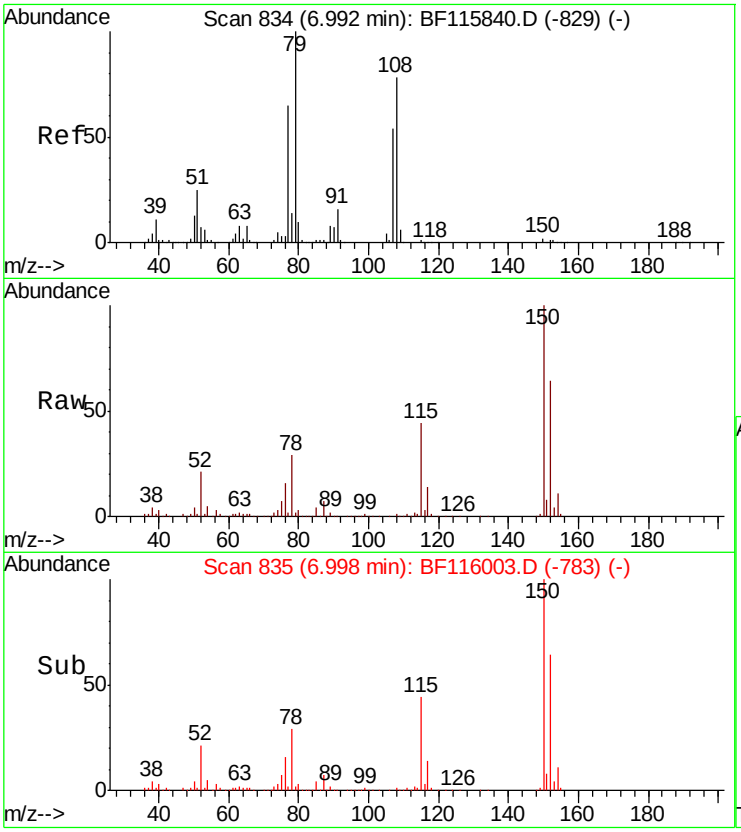


#11
bis(2-Chloroethyl)ether
Concen: 0.154 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.03 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion: 93 Resp: 1694

Ion	Ratio	Lower	Upper
93	100		
63	791.2	54.9	94.9#
95	412.9	13.3	53.3#



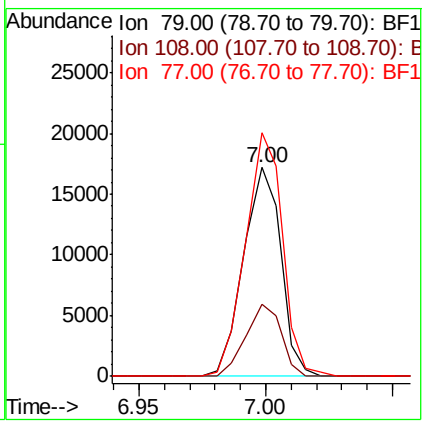


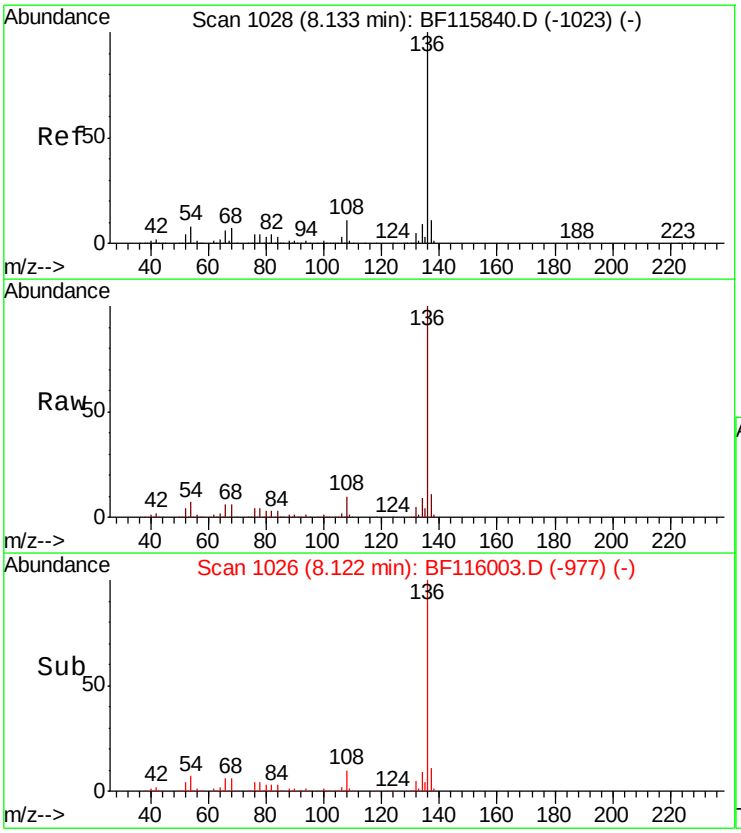
#15
Benzyl Alcohol
Concen: 1.828 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion: 79 Resp: 17622

Ion	Ratio	Lower	Upper
79	100		
108	34.8	62.8	94.2#
77	116.8	52.0	78.0#

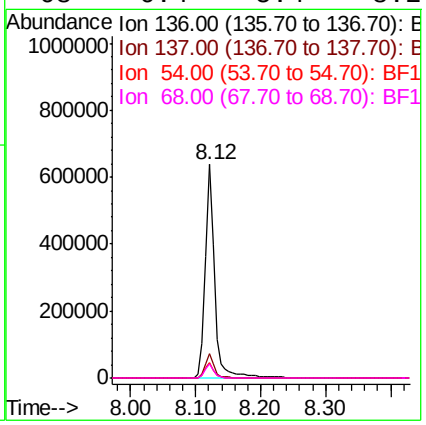


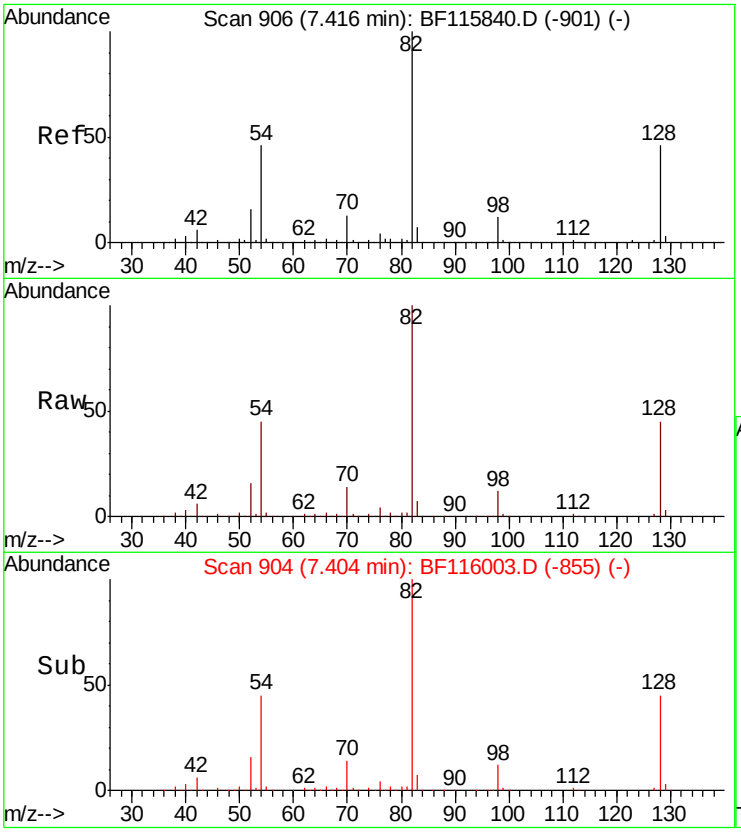


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion:136 Resp: 648592

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.1	6.1	9.1
68	6.4	5.4	8.2



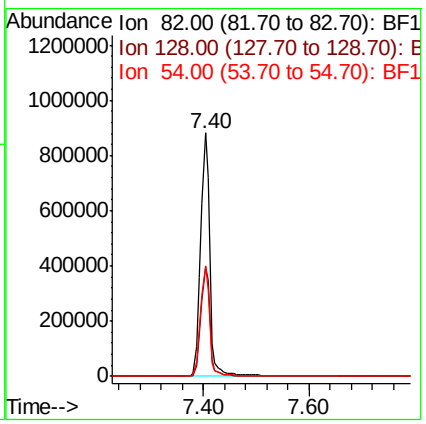


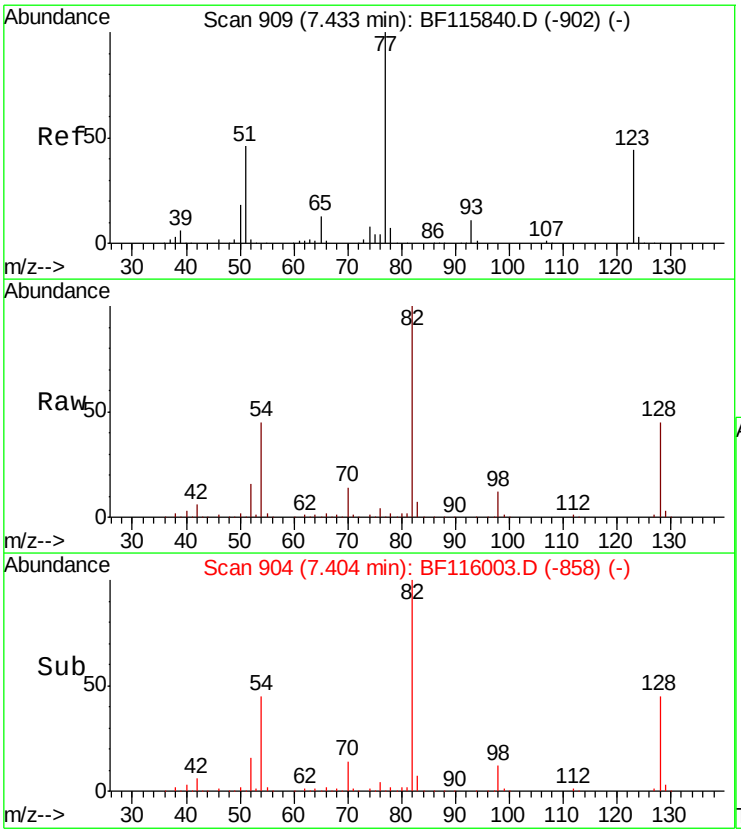
#23
Nitrobenzene-d5
Concen: 96.083 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion: 82 Resp: 1079619

Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.6	55.0
54	45.2	36.6	55.0

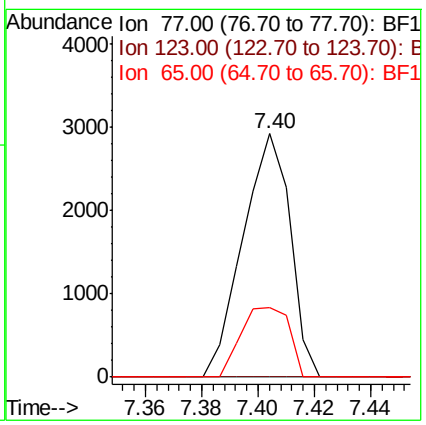


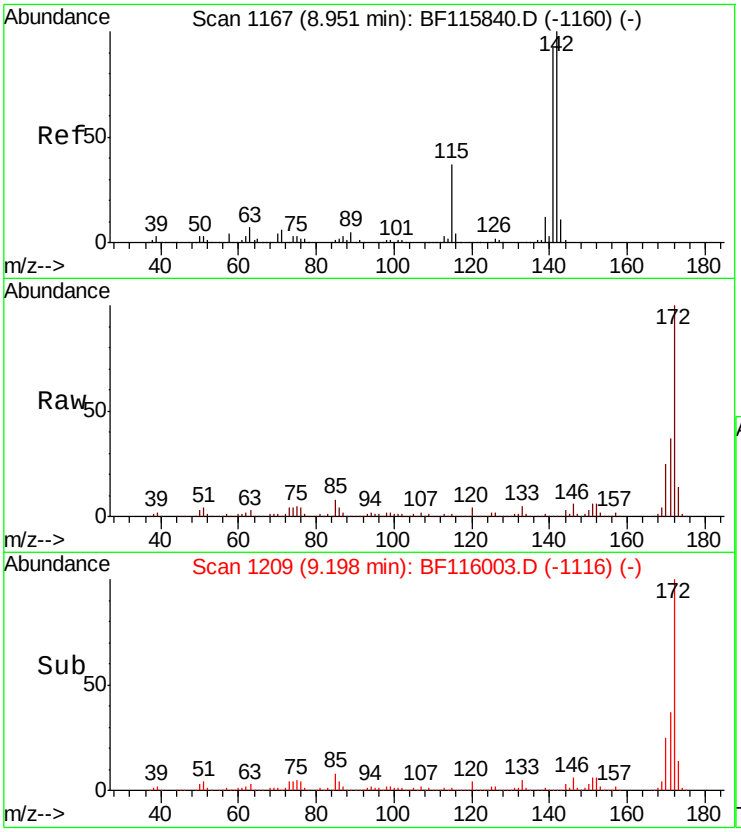


#24
Nitrobenzene
Concen: 0.280 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.03 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion: 77 Resp: 3392

Ion	Ratio	Lower	Upper
77	100		
123	0.0	35.5	53.3#
65	28.4	10.6	15.8#



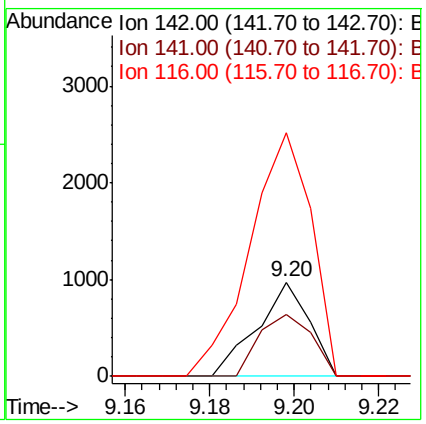


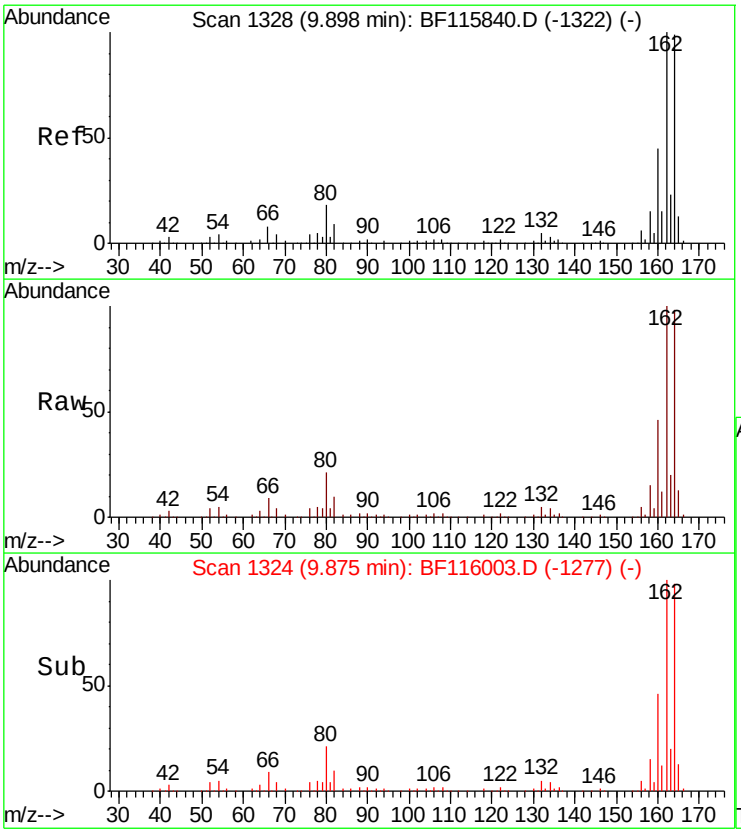
#38
1-Methylnaphthalene
Concen: 0.044 ng
RT: 9.20 min Scan# 1209
Delta R.T. 0.25 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion:142 Resp: 840

Ion	Ratio	Lower	Upper
142	100		
141	65.5	73.8	110.6#
116	258.8	3.1	4.7#

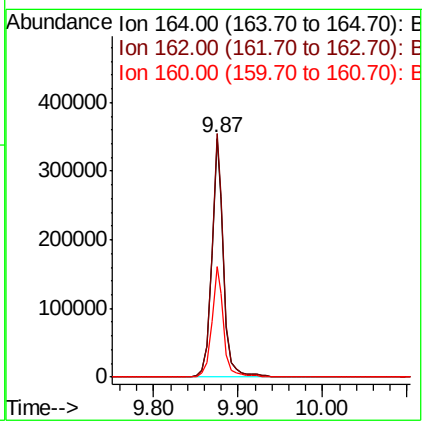


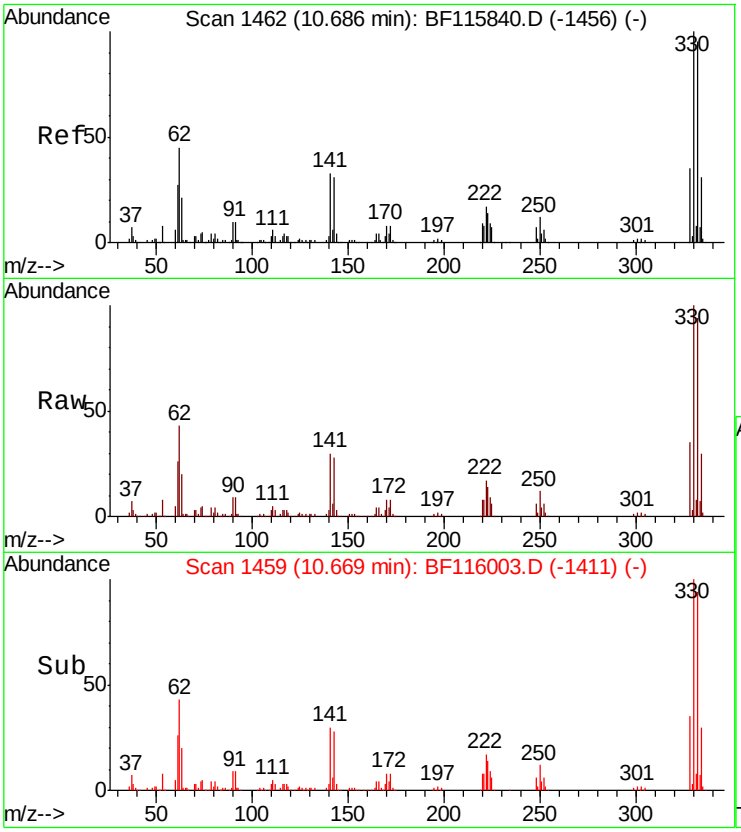


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion:164 Resp: 344494

Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.8	121.2
160	46.5	36.2	54.4



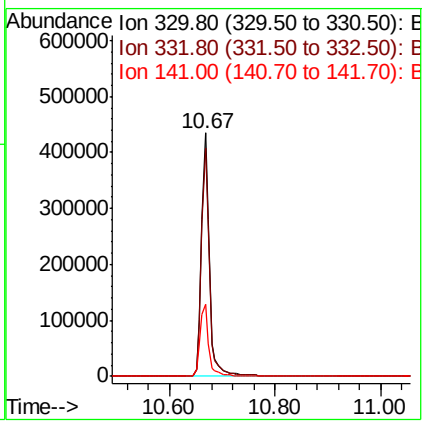


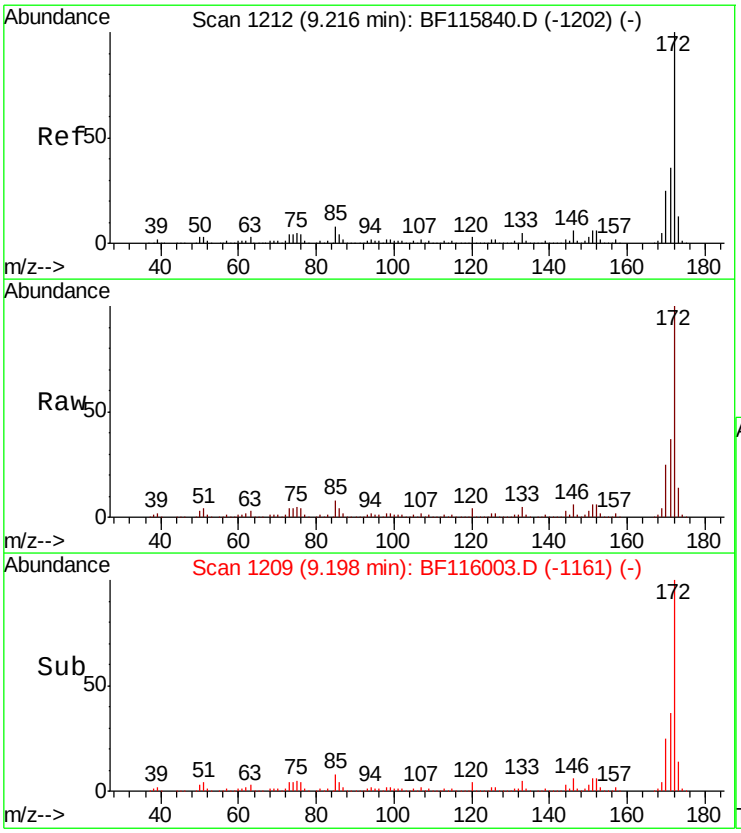
#42
2,4,6-Tribromophenol
Concen: 137.836 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.02 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion:330 Resp: 460368

Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.7	116.5
141	32.6	28.1	42.1

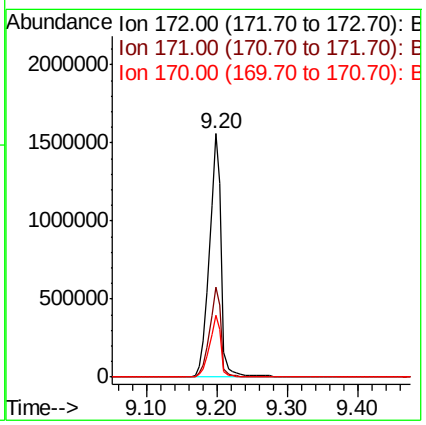


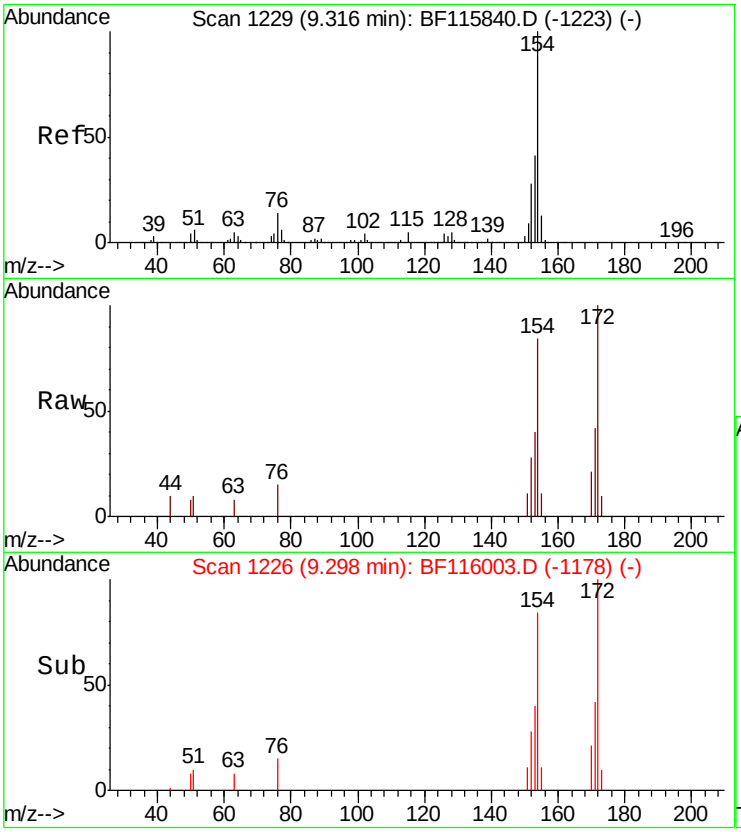


#45
2-Fluorobiphenyl
Concen: 98.922 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.02 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion:172 Resp: 1819356

Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.1	43.7
170	25.3	20.1	30.1



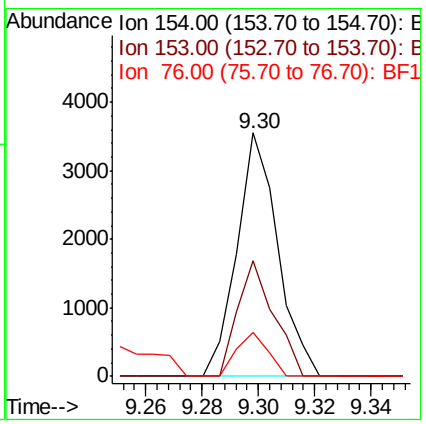


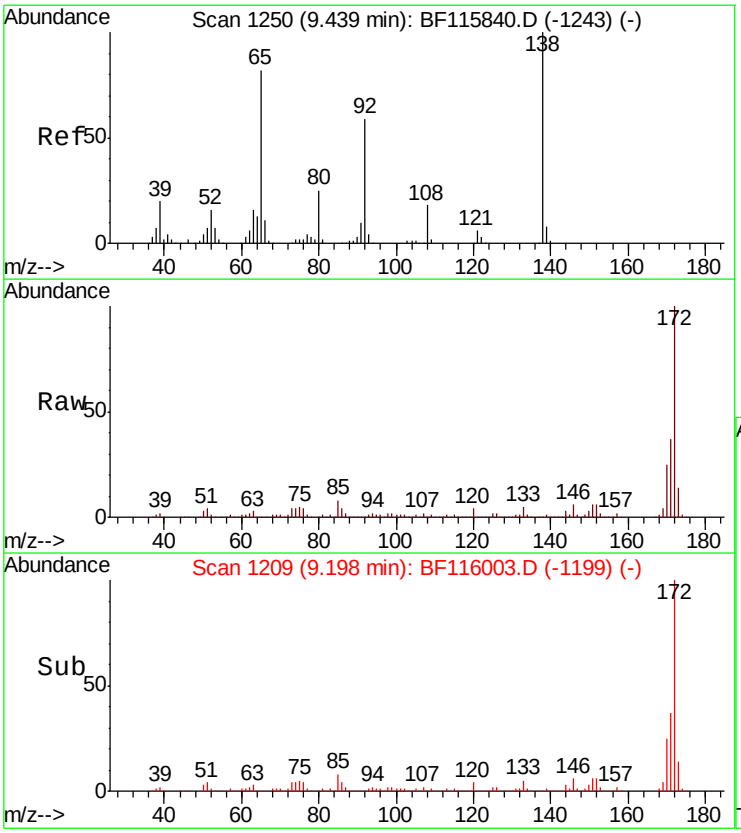
#46
1,1'-Biphenyl
Concen: 0.146 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.02 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion:154 Resp: 3560

Ion	Ratio	Lower	Upper
154	100		
153	47.4	20.9	60.9
76	17.8	0.0	34.3

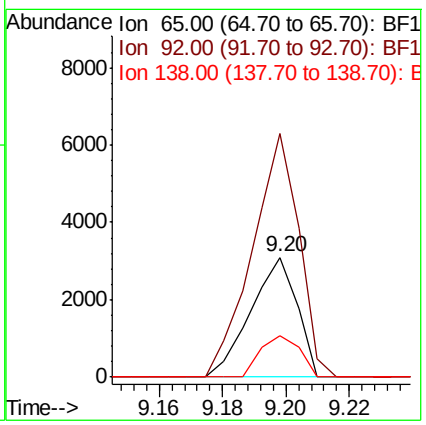


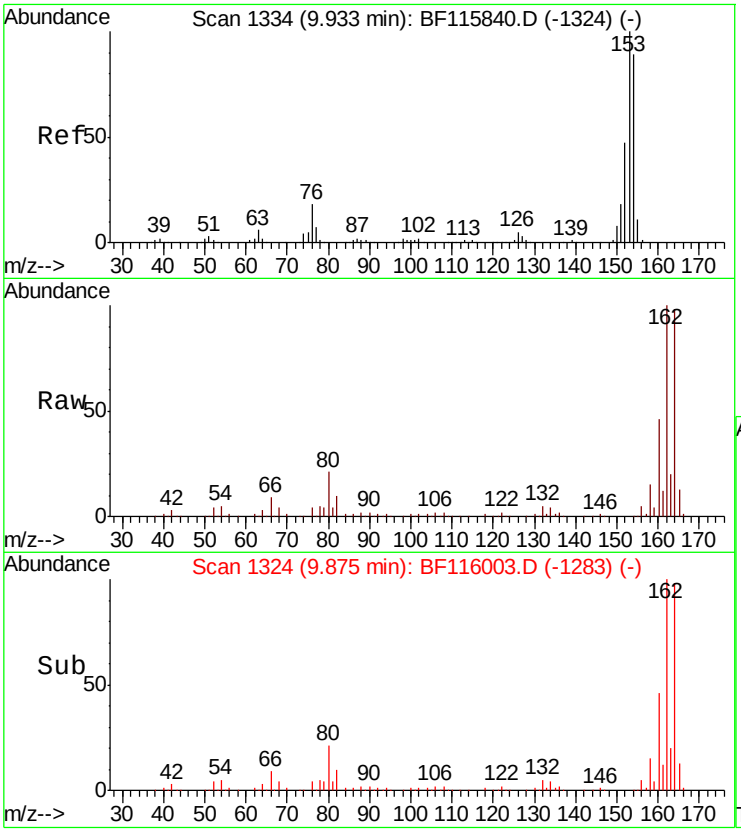


#48
2-Nitroaniline
Concen: 0.469 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.24 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion: 65 Resp: 3137

Ion	Ratio	Lower	Upper
65	100		
92	202.7	57.1	85.7#
138	34.9	97.1	145.7#



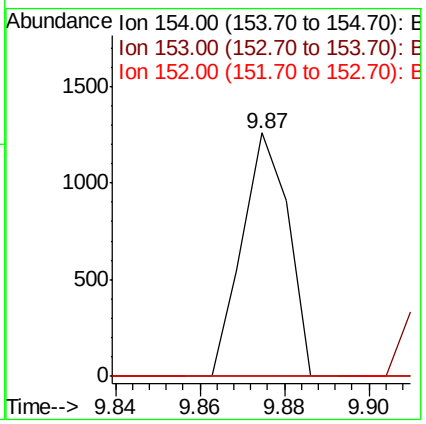


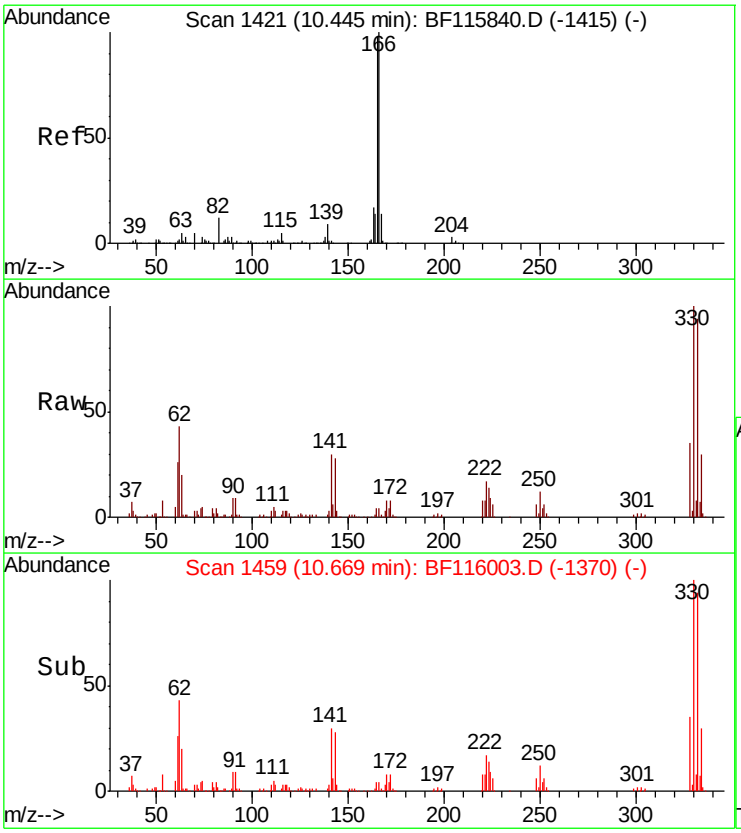
#52
Acenaphthene
Concen: 0.053 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.06 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion:154 Resp: 956

Ion	Ratio	Lower	Upper
154	100		
153	0.0	90.1	135.1#
152	0.0	42.6	63.8#

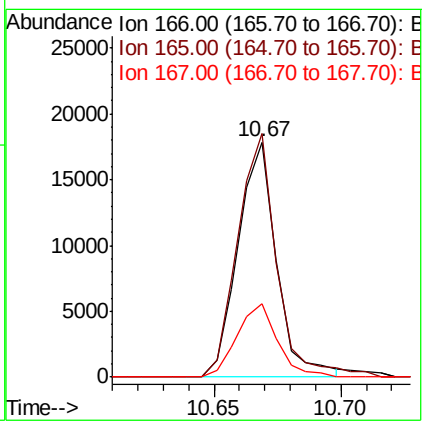


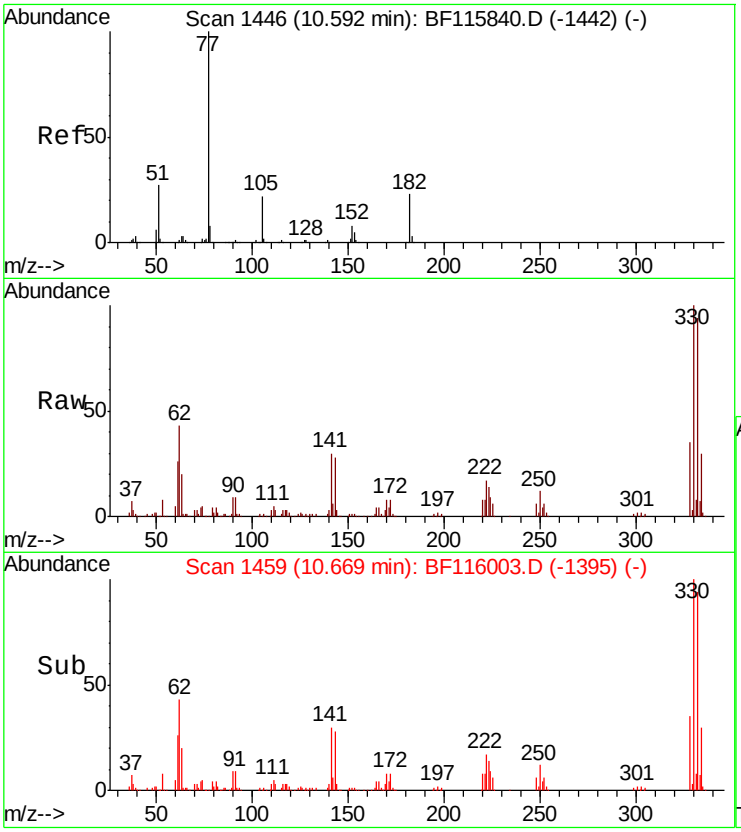


#58
Fluorene
Concen: 0.937 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.22 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion:166 Resp: 18992

Ion	Ratio	Lower	Upper
166	100		
165	103.5	78.6	118.0
167	31.3	10.9	16.3#



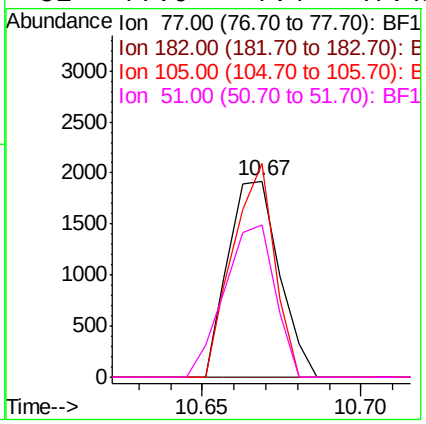


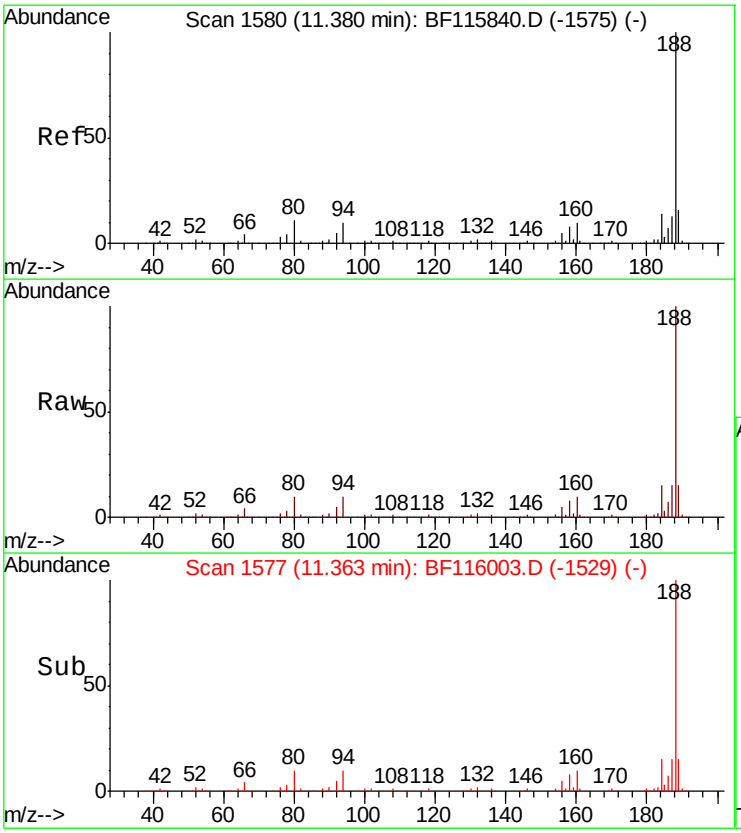
#63
Azobenzene
Concen: 0.096 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.08 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion: 77 Resp: 2155

Ion	Ratio	Lower	Upper
77	100		
182	0.0	2.6	42.6#
105	108.8	1.6	41.6#
51	77.6	7.4	47.4#

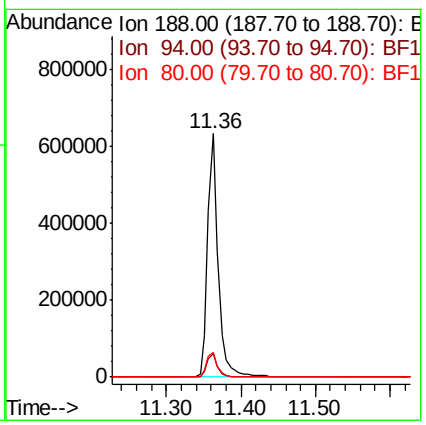


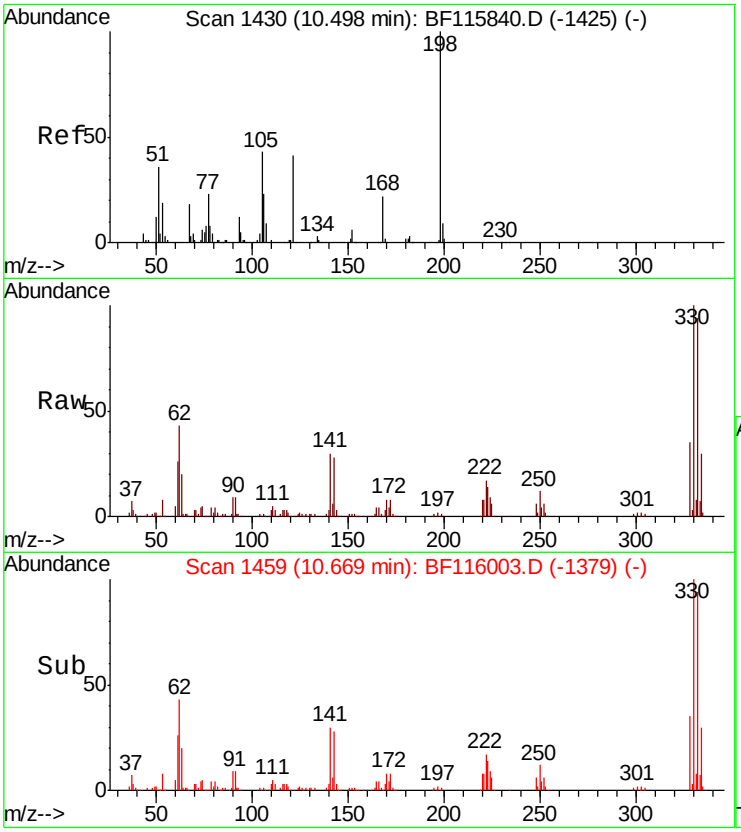


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion:188 Resp: 624750

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.0	12.0
80	10.1	8.6	12.8



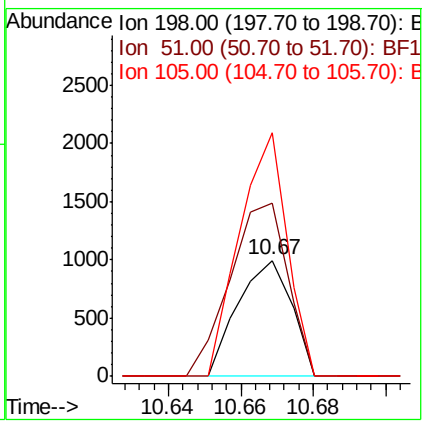


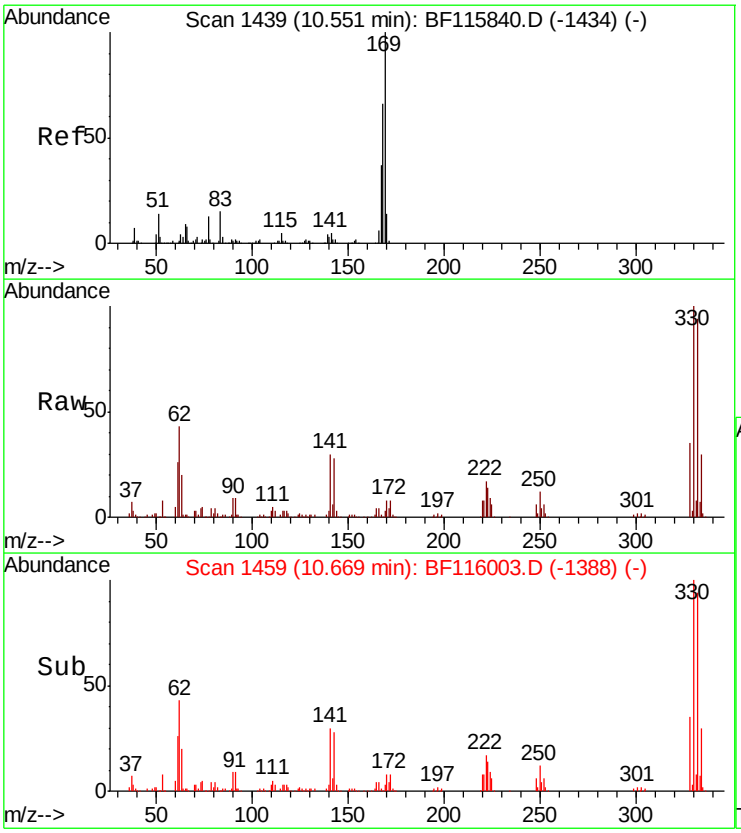
#65
4,6-Dinitro-2-methylphenol
Concen: 0.307 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.17 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion:198 Resp: 1018

Ion	Ratio	Lower	Upper
198	100		
51	149.9	21.1	61.1#
105	210.0	24.5	64.5#

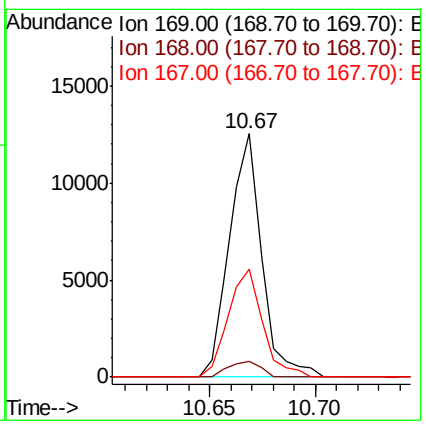


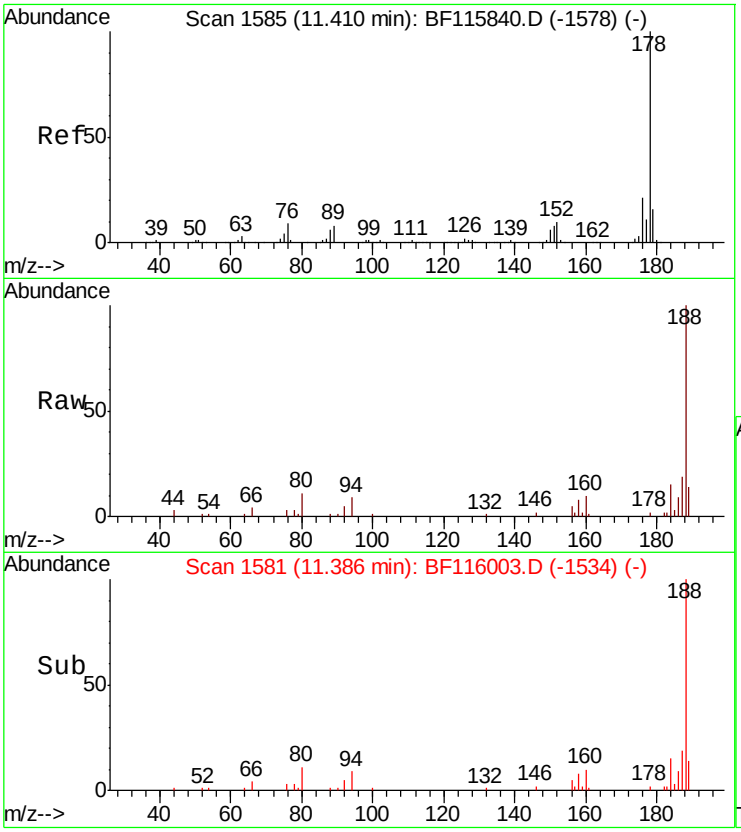


#66
n-Nitrosodiphenylamine
Concen: 0.706 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.12 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion:169 Resp: 13277

Ion	Ratio	Lower	Upper
169	100		
168	6.7	53.0	79.6#
167	44.5	29.9	44.9



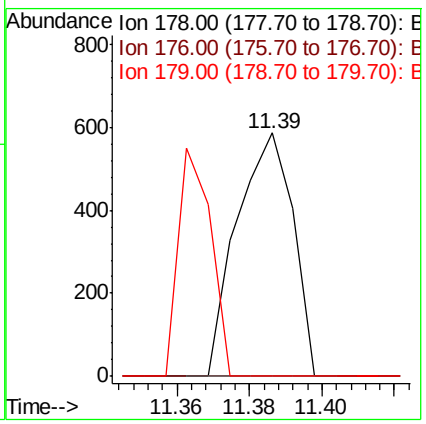


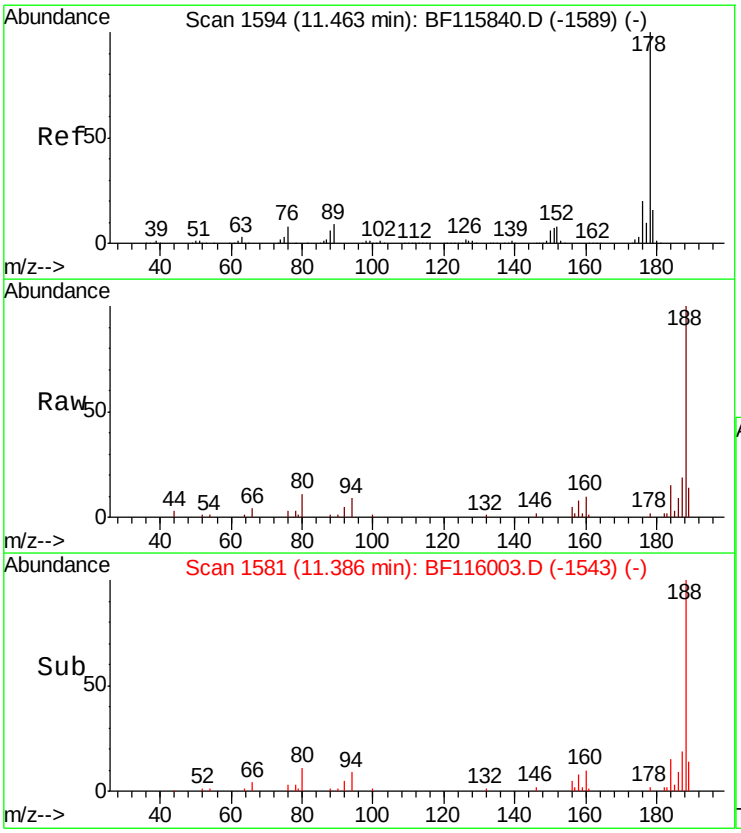
#71
Phenanthrene
Concen: 0.020 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion:178 Resp: 633

Ion	Ratio	Lower	Upper
178	100		
176	0.0	16.5	24.7#
179	0.0	12.6	18.8#

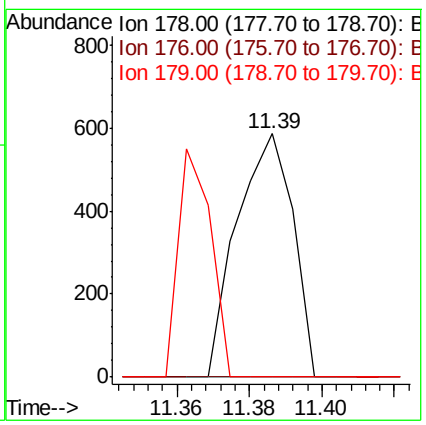


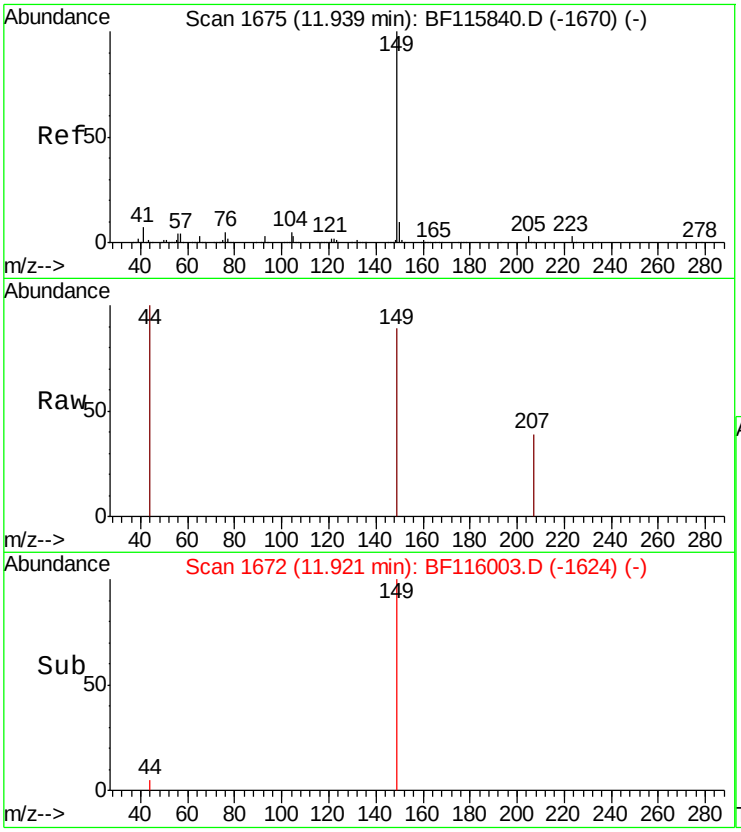


#72
Anthracene
Concen: 0.020 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.08 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion:178 Resp: 633

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.7	23.5#
179	0.0	12.4	18.6#



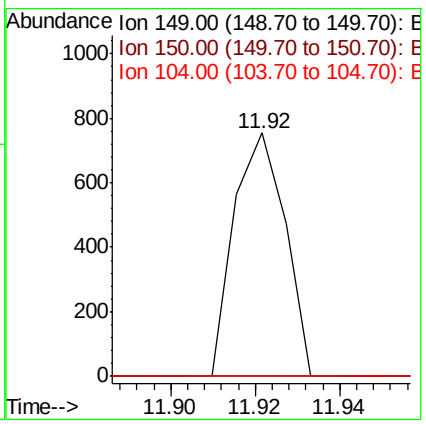


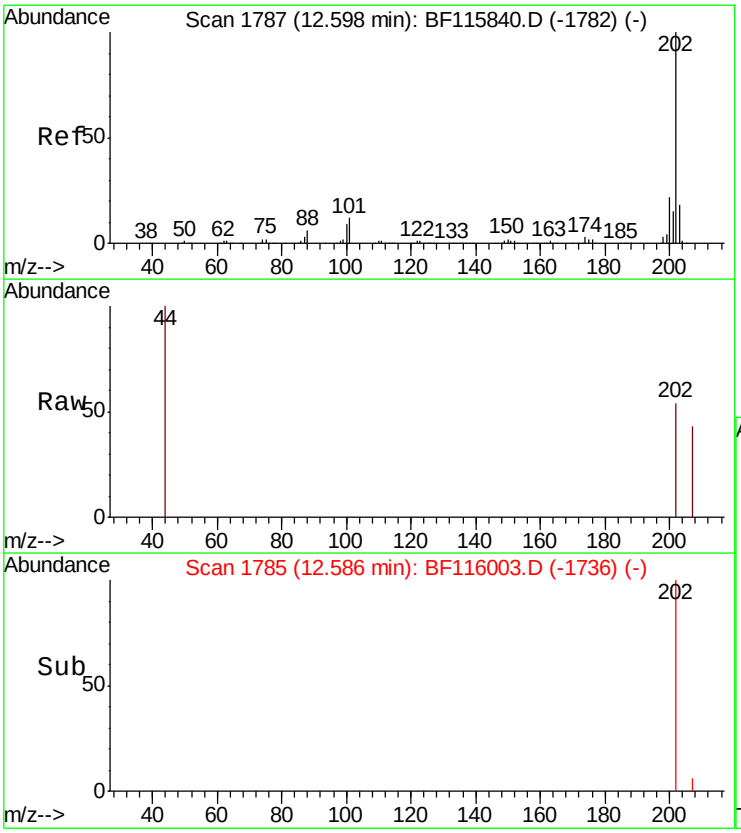
#74
Di-n-butylphthalate
Concen: 0.019 ng
RT: 11.92 min Scan# 1672
Delta R.T. -0.02 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion:149 Resp: 634

Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.7	11.5#
104	0.0	4.3	6.5#

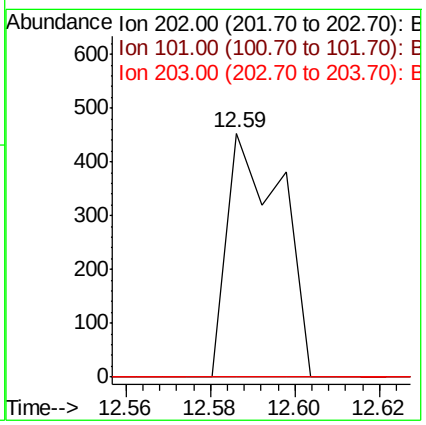


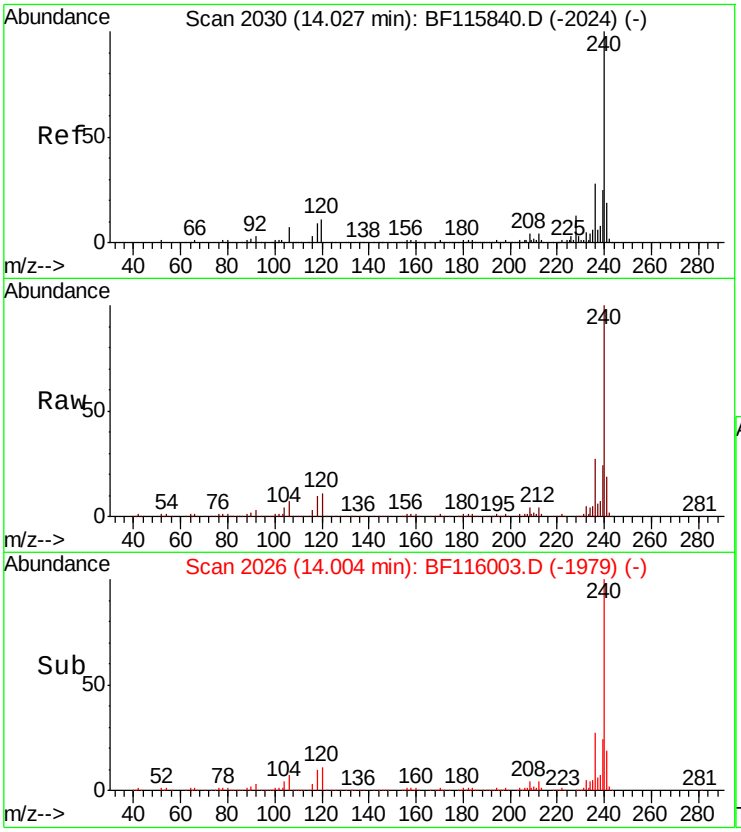


#75
Fluoranthene
Concen: 0.012 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion:202 Resp: 407

Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	31.5
203	0.0	0.0	37.9



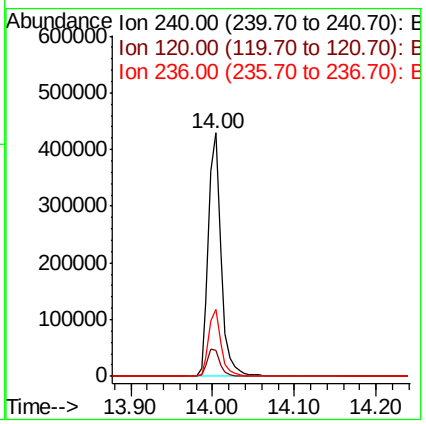


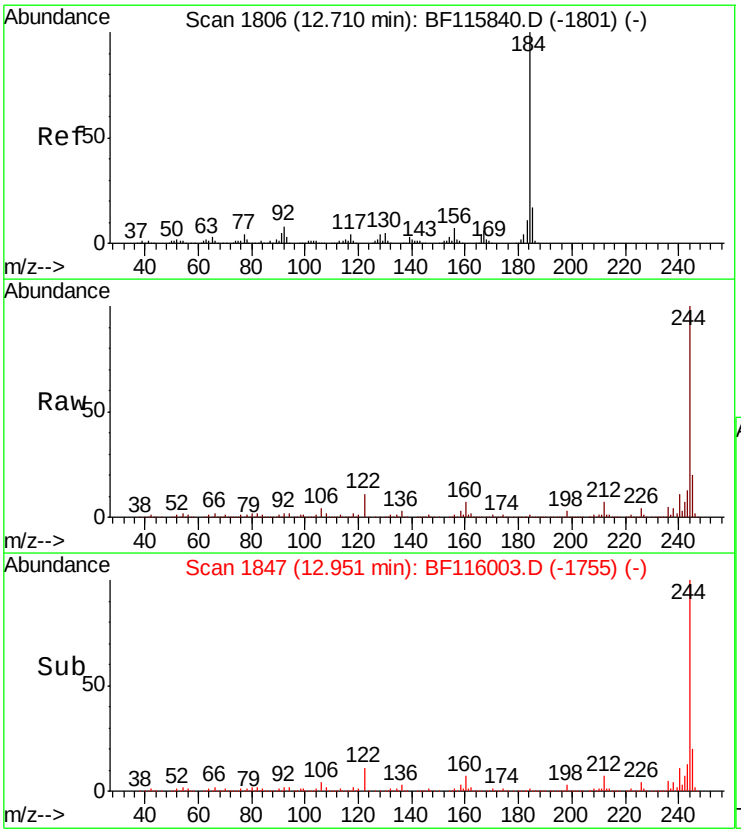
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion:240 Resp: 461518

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.5	12.7
236	27.3	22.2	33.2

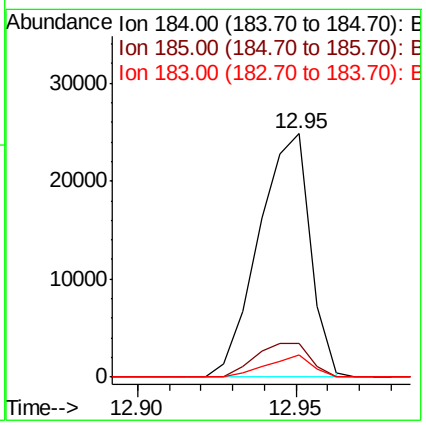


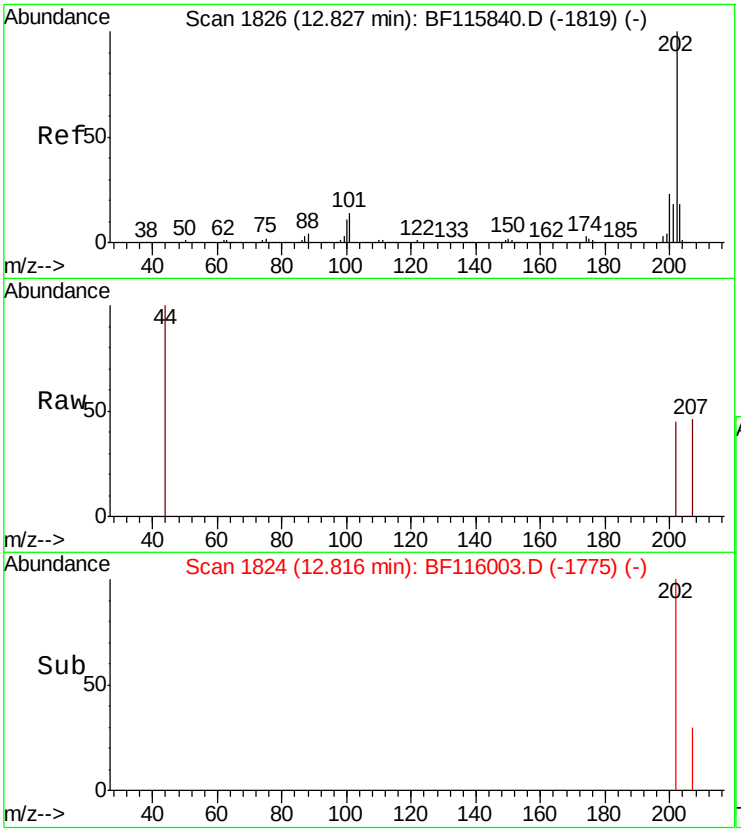


#77
Benzidine
Concen: 1.801 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.24 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion:184 Resp: 28088

Ion	Ratio	Lower	Upper
184	100		
185	13.8	13.4	20.2
183	9.2	9.1	13.7



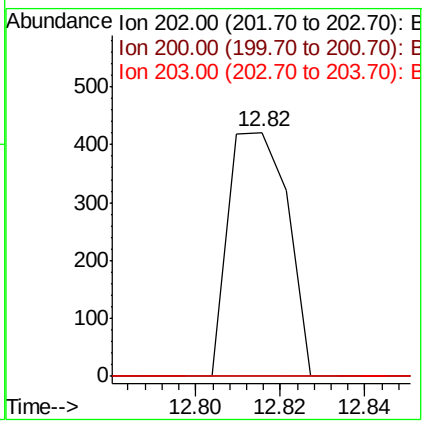


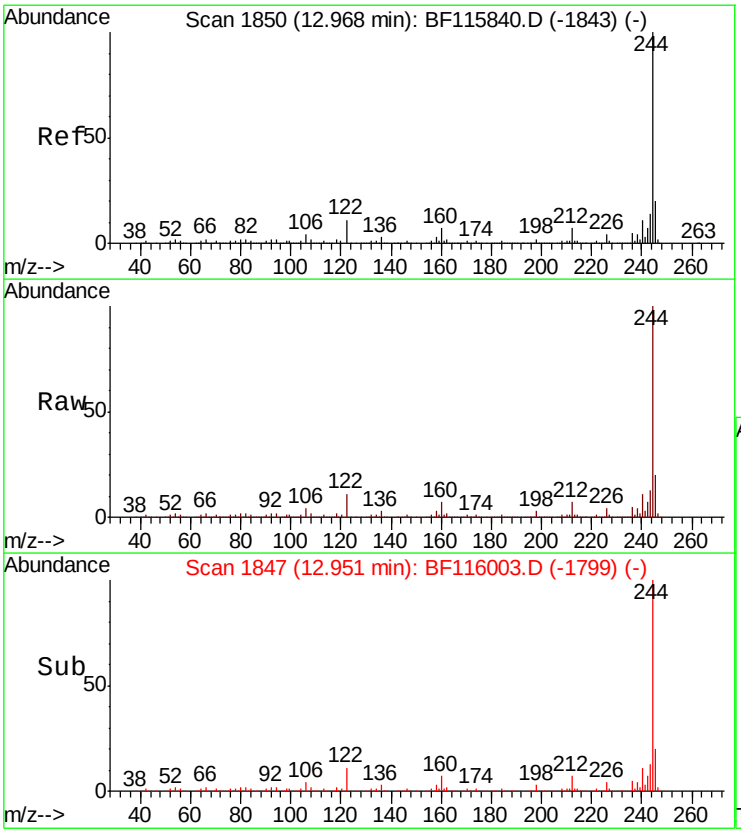
#78
Pyrene
Concen: 0.012 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion:202 Resp: 409

Ion	Ratio	Lower	Upper
202	100		
200	0.0	18.2	27.2#
203	0.0	14.3	21.5#

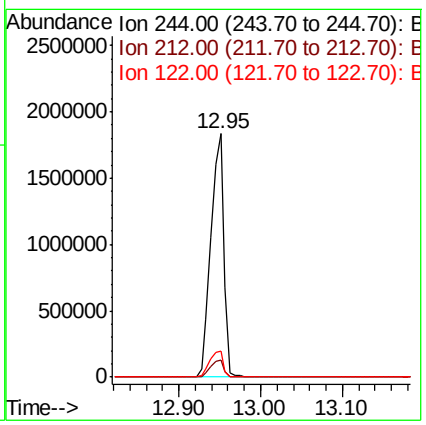


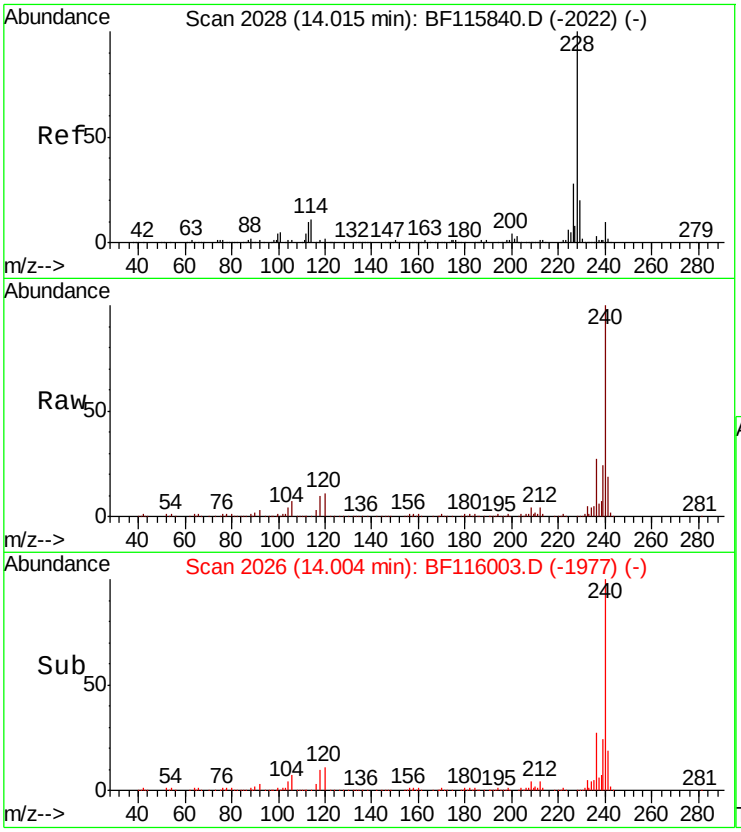


#79
Terphenyl-d14
Concen: 93.176 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion:244 Resp: 2040766

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	10.6	8.6	13.0



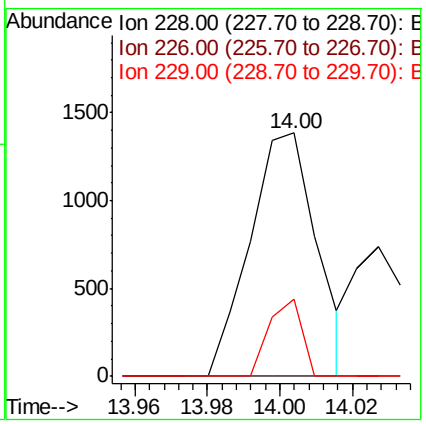


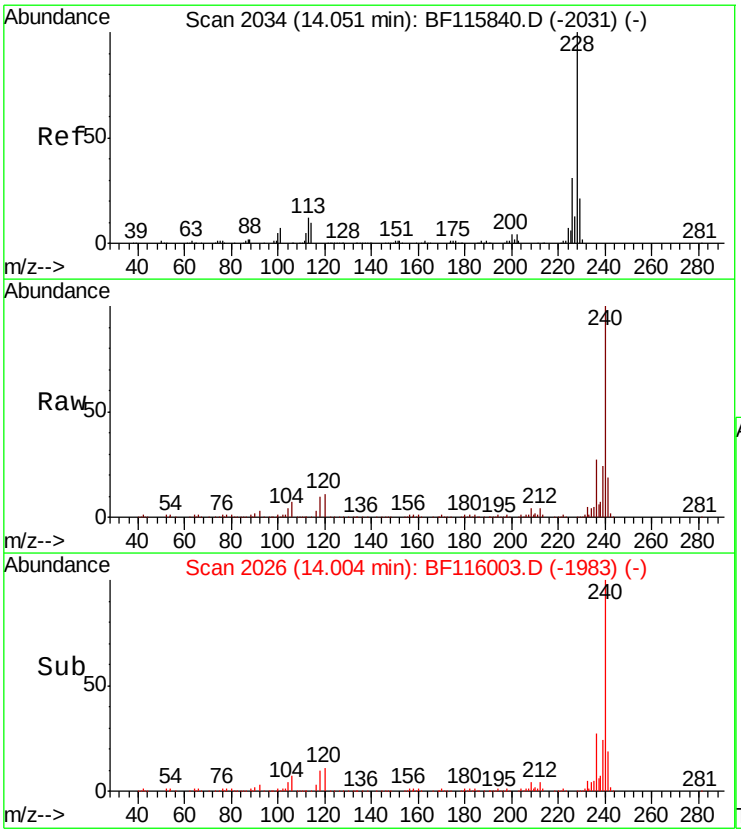
#81
Benzo(a)anthracene
Concen: 0.060 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion:228 Resp: 1775

Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.5	33.7#
229	31.5	16.1	24.1#

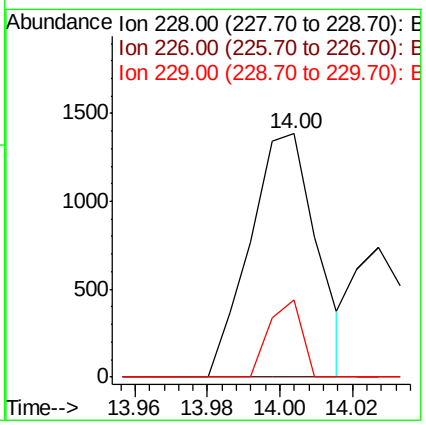


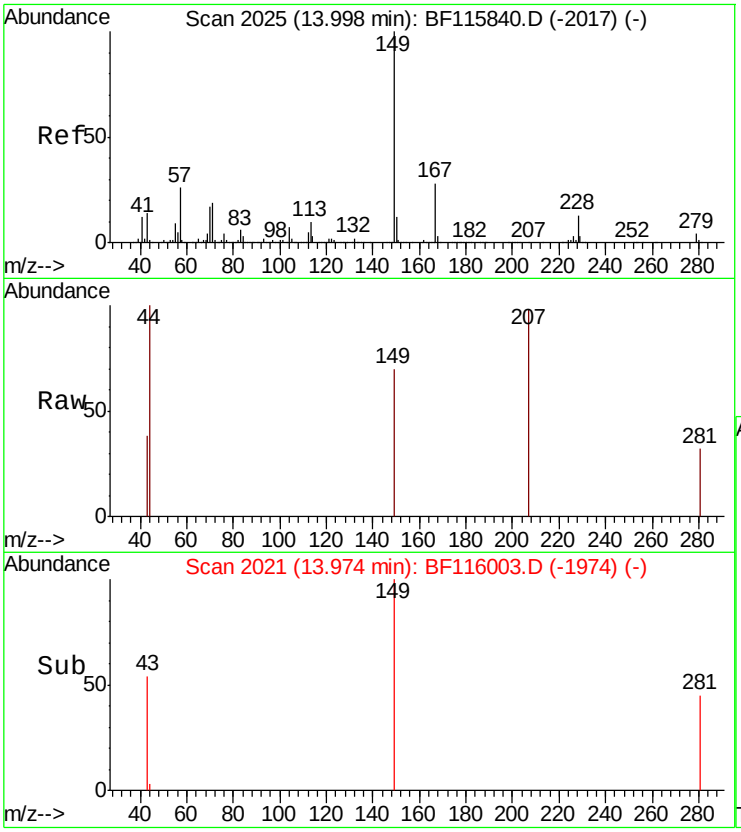


#83
Chrysene
Concen: 0.062 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.05 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion:228 Resp: 1775

Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.8	37.2#
229	31.5	16.4	24.6#



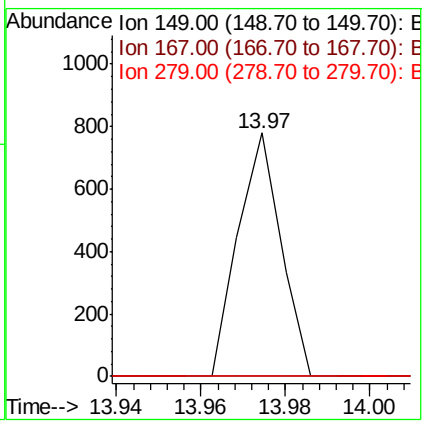


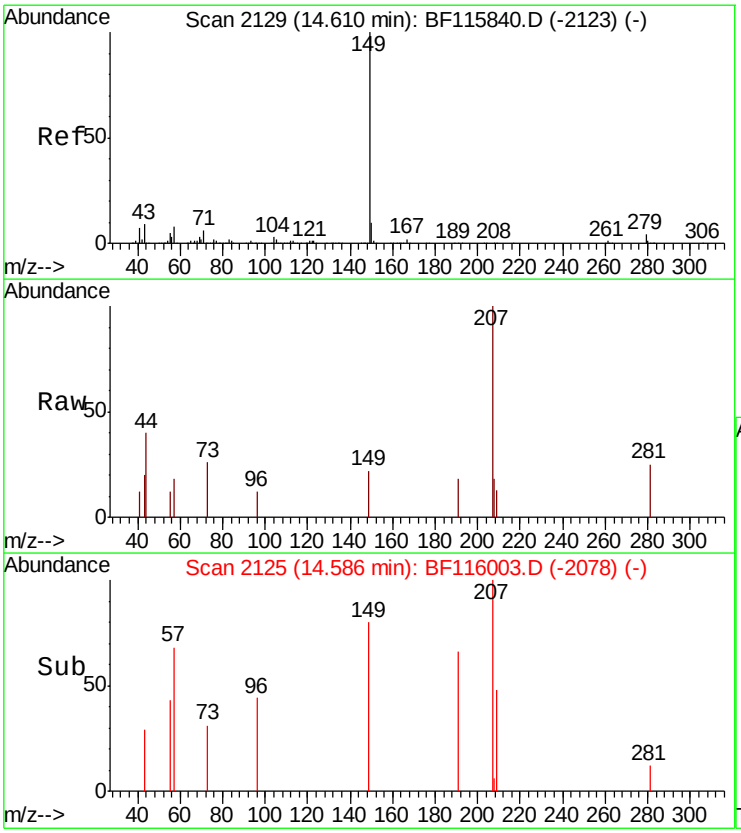
#84
Bis(2-ethylhexyl)phthalate
Concen: 0.029 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion:149 Resp: 550

Ion	Ratio	Lower	Upper
149	100		
167	0.0	22.4	33.6#
279	0.0	3.3	4.9#

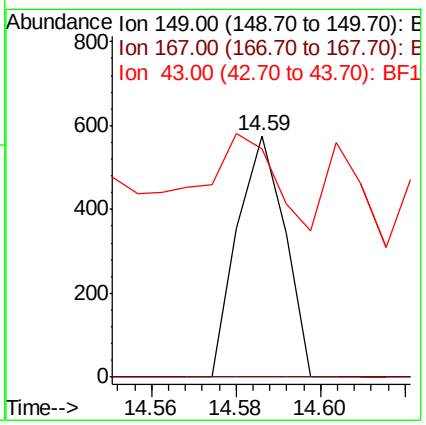


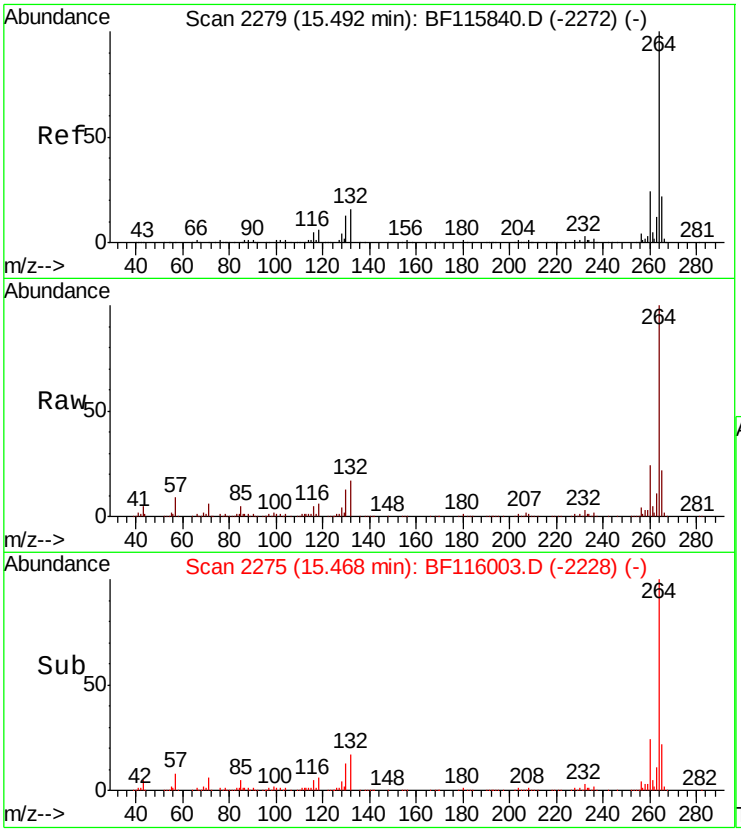


#85
Di-n-octyl phthalate
Concen: 0.015 ng
RT: 14.59 min Scan# 2125
Delta R.T. -0.02 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion:149 Resp: 450

Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.2	1.8#
43	0.0	7.4	11.0#



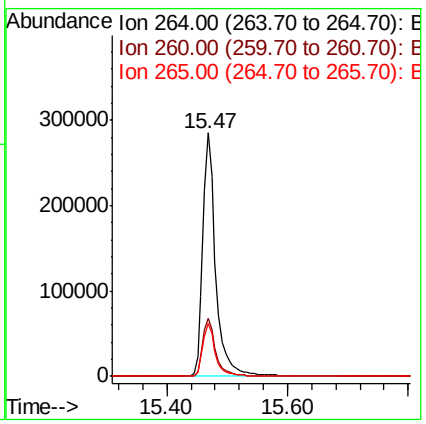


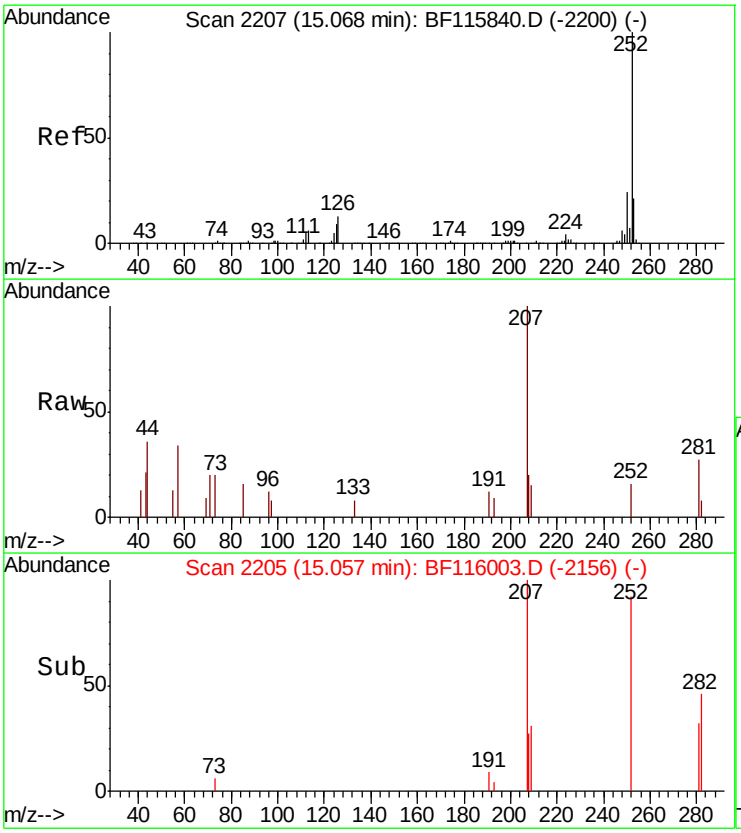
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.02 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion:264 Resp: 427537

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.2
265	21.9	17.5	26.3

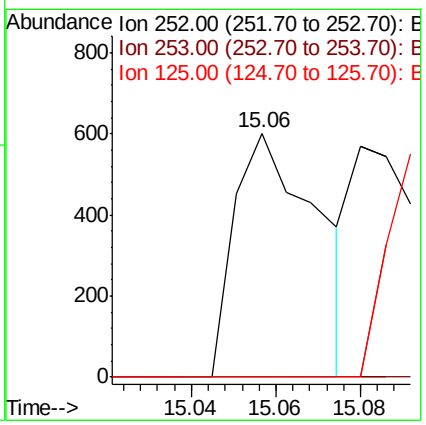


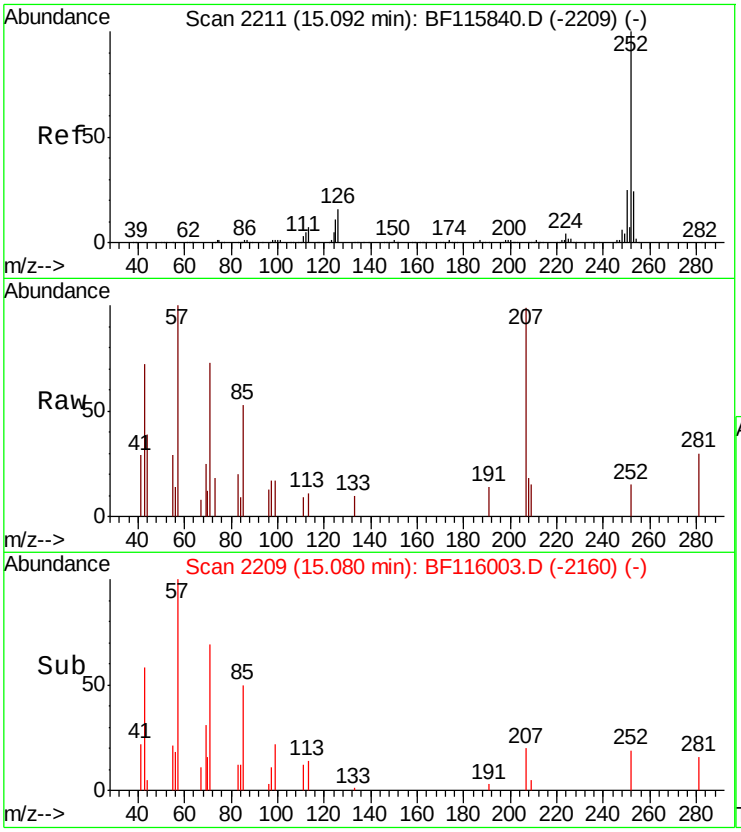


#88
Benzo(b)fluoranthene
Concen: 0.033 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion:252 Resp: 816

Ion	Ratio	Lower	Upper
252	100		
253	0.0	17.2	25.8#
125	0.0	7.4	11.0#



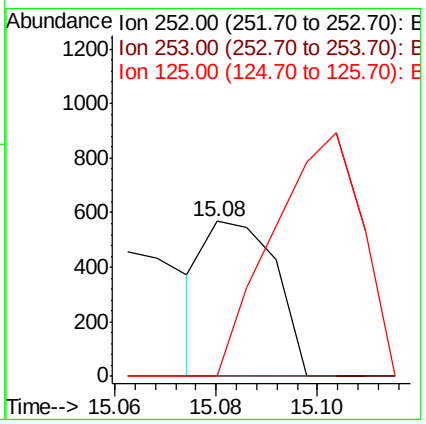


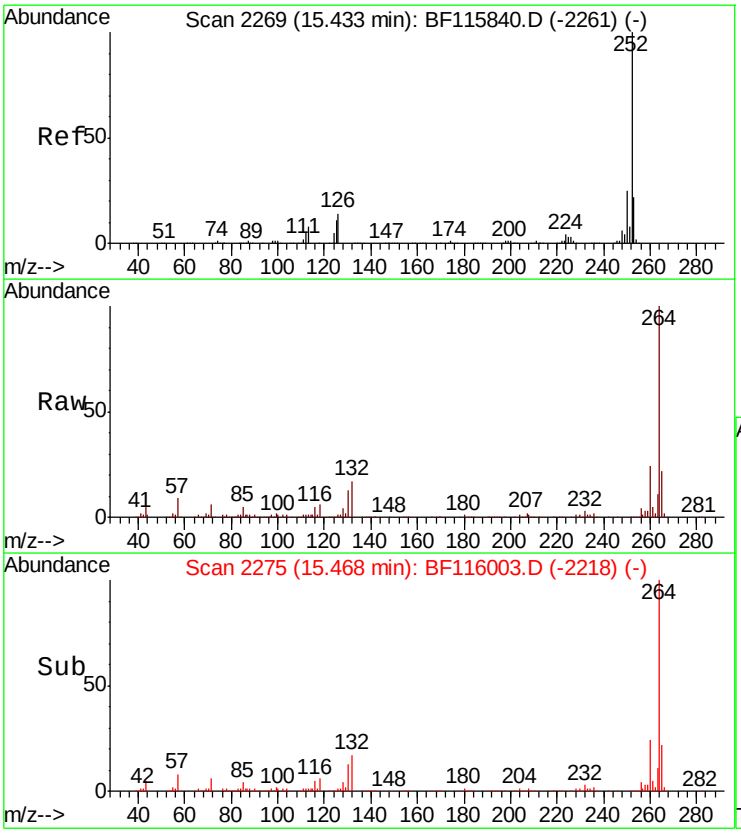
#89
Benzo(k)fluoranthene
Concen: 0.023 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Instrument :
BNA_F
ClientSampleId :
PB121973BL

Tgt Ion:252 Resp: 544

Ion	Ratio	Lower	Upper
252	100		
253	0.0	18.2	27.4#
125	0.0	8.9	13.3#





#90
Benzo(a)pyrene
Concen: 0.064 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.04 min
Lab File: BF116003.D
Acq: 6 Aug 2019 10:42

Tgt Ion:252 Resp: 1413

Ion	Ratio	Lower	Upper
252	100		
253	43.0	17.8	26.6#
125	104.9	8.8	13.2#