Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
Data File : BF116028.D
Acq On : 6 Aug 2019 22:02
Operator : HP/JU
Sample : K4135-36
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1S-B1-B4-COMP-(30)

Quant Time: Aug 07 05:23:06 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	6.85	152	123268	20.00	ng		0.00
21) Naphthalene-d8	8.12	136	473085	20.00	ng		-0.01
39) Acenaphthene-d10	9.87	164	250468	20.00	ng		-0.02
64) Phenanthrene-d10	11.36	188	441991	20.00	ng		-0.02
76) Chrysene-d12	14.00	240	304131	20.00	ng		-0.03
87) Perylene-d12	15.46	264	354726	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	871477	118.35	ng		0.00
7) Phenol-d6	6.48	99	1007445	108.44	ng		0.00
23) Nitrobenzene-d5	7.40	82	817913	99.80	ng		-0.01
42) 2,4,6-Tribromophenol	10.67	330	334631	137.80	ng		-0.02
45) 2-Fluorobiphenyl	9.20	172	1389106	103.88	ng		-0.02
79) Terphenyl-d14	12.94	244	1540031	106.70	ng		-0.02
Target Compounds							Qvalue
4) n-Nitrosodimethylamine	3.33	42	106	0.026	ng	#	1
6) Aniline	6.62	93	1136	0.085	ng	#	1
8) 2-Chlorophenol	6.63	128	114	0.014	ng	#	1
9) Benzaldehyde	6.48	77	1354	0.211	ng	#	1
10) Phenol	6.62	94	1999	0.183	ng	#	1
11) bis(2-Chloroethyl)ether	6.62	93	1136	0.141	ng	#	1
15) Benzyl Alcohol	7.00	79	12802	1.816	ng	#	45
16) 2,2'-oxybis(1-Chloropropan	7.13	45	480	0.044	ng		65
22) Acetophenone	7.27	105	666	0.064	ng	#	52
24) Nitrobenzene	7.40	77	2192	0.248	ng	#	34
31) Naphthalene	8.15	128	310	0.014	ng	#	68
38) 1-Methylnaphthalene	9.20	142	442	0.032	ng	#	45
46) 1,1'-Biphenyl	9.30	154	2345	0.133	ng		96
48) 2-Nitroaniline	9.20	65	2237	0.460	ng	#	1
52) Acenaphthene	9.87	154	730	0.055	ng	#	5
58) Fluorene	10.66	166	13682	0.928	ng	#	84
60) Diethylphthalate	10.29	149	1009	0.063	ng	#	58
63) Azobenzene	10.66	77	1657	0.101	ng	#	18
65) 4,6-Dinitro-2-methylphenol	10.66	198	616	0.263	ng	#	1
66) n-Nitrosodiphenylamine	10.66	169	9503	0.714	ng	#	39
71) Phenanthrene	11.39	178	962	0.043	ng	#	59
72) Anthracene	11.39	178	962	0.042	ng	#	60
74) Di-n-butylphthalate	11.92	149	4997	0.206	ng	#	94
75) Fluoranthene	12.59	202	414	0.018	ng		64
78) Pyrene	12.81	202	251	0.011	ng	#	56
81) Benzo(a)anthracene	14.00	228	779	0.040	ng	#	52
83) Chrysene	14.00	228	779	0.041	ng	#	50
84) Bis(2-ethylhexyl)phthalate	13.97	149	911	0.072	ng	#	52

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

Quantitation Report (QT Reviewed)

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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

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QLast Update : Wed Jul 31 15:31:51 2019
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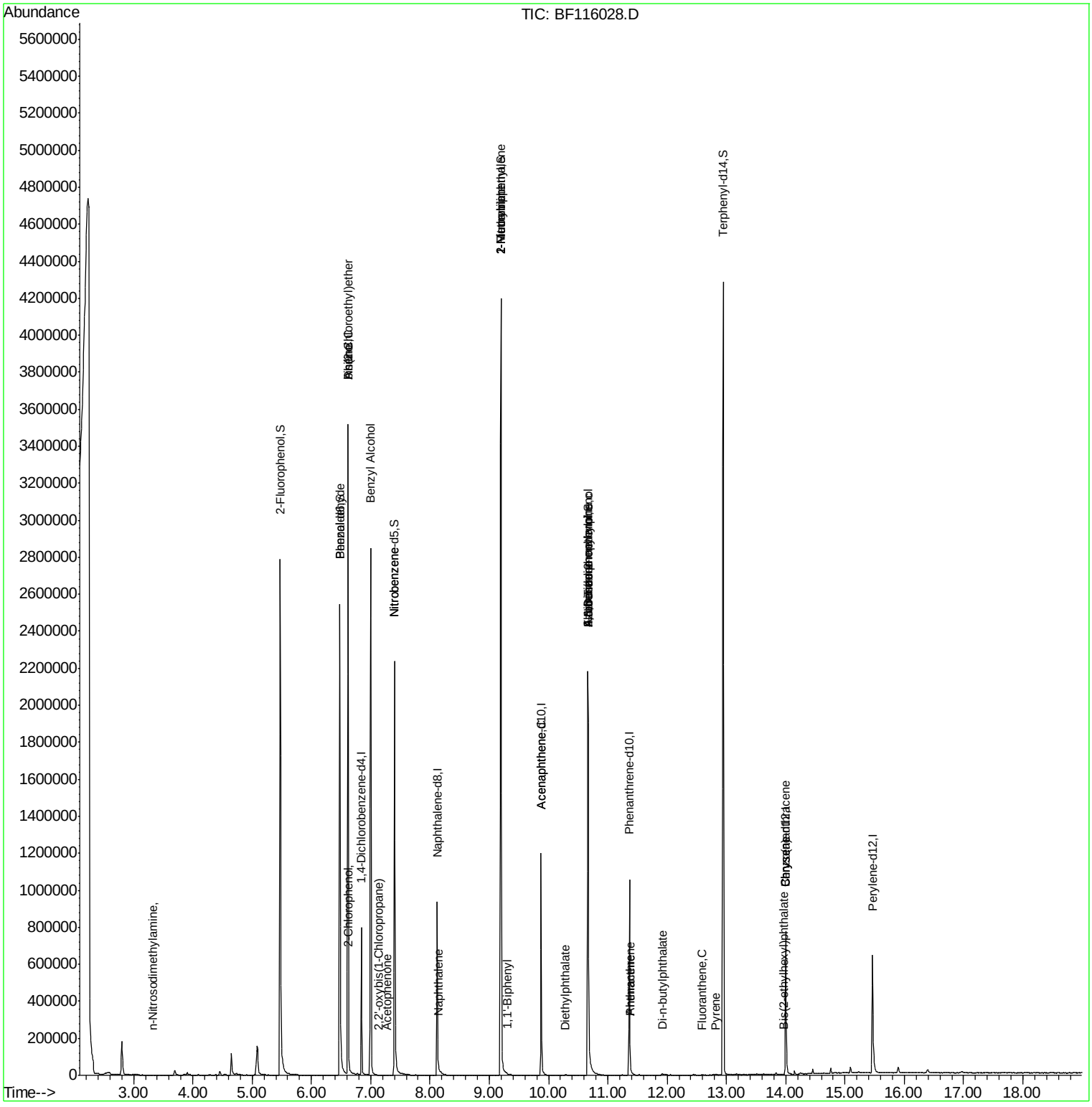
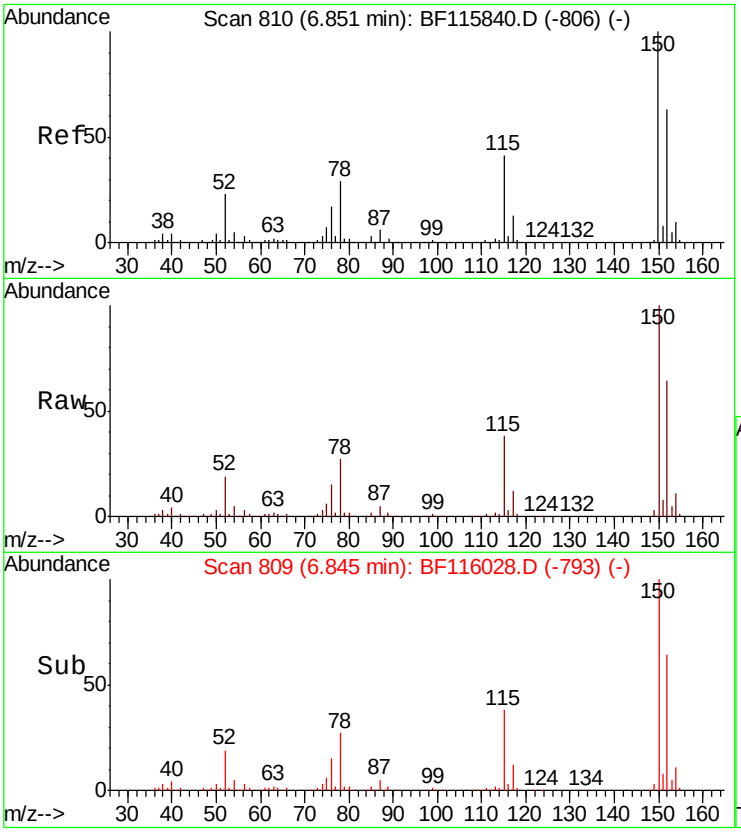


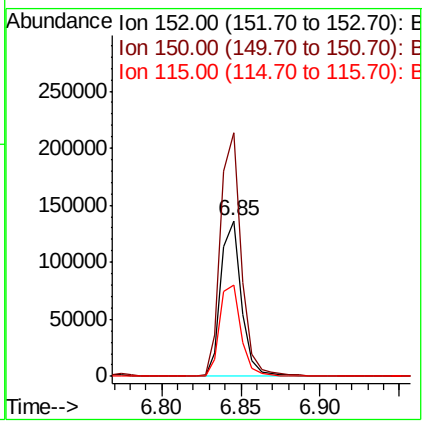


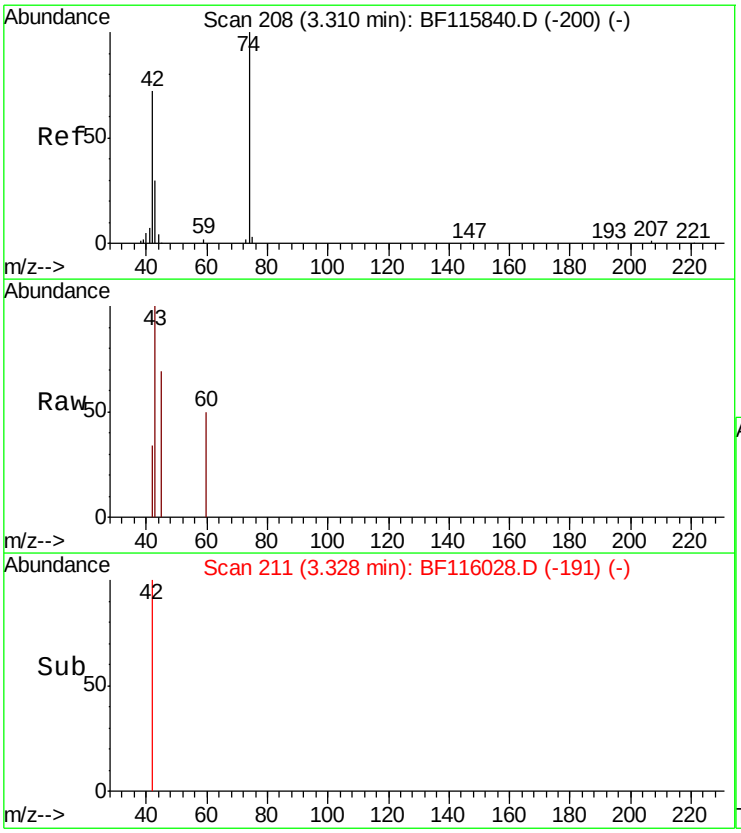
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion:152 Resp: 123268

Ion	Ratio	Lower	Upper
152	100		
150	156.3	127.4	191.0
115	58.8	51.8	77.8

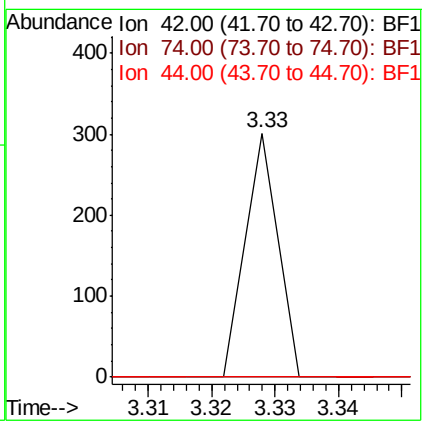


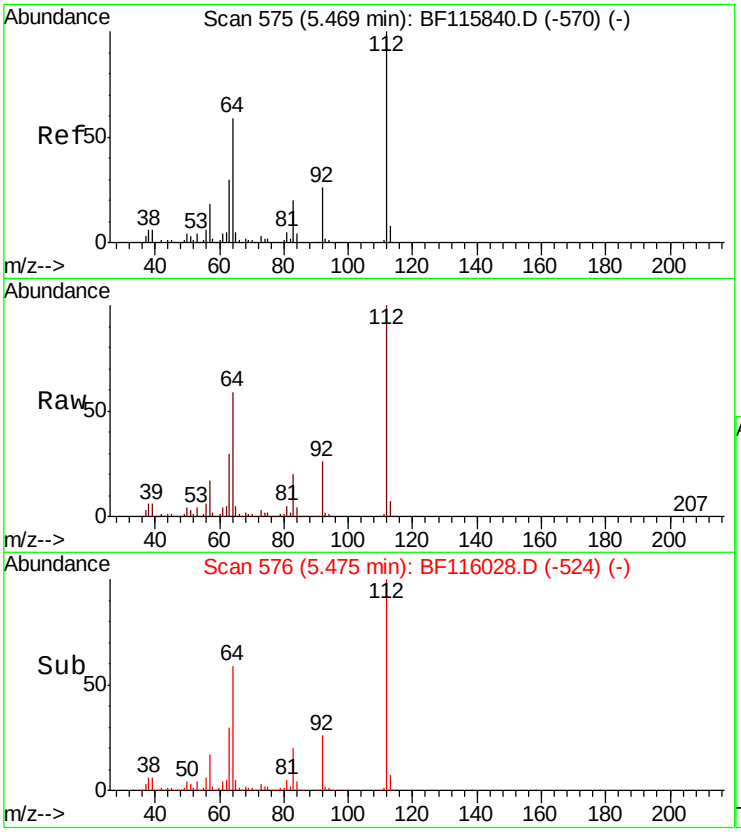


#4
n-Nitrosodimethylamine
Concen: 0.026 ng
RT: 3.33 min Scan# 211
Delta R.T. 0.02 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion: 42 Resp: 106

Ion	Ratio	Lower	Upper
42	100		
74	0.0	111.0	166.4#
44	0.0	4.7	7.1#



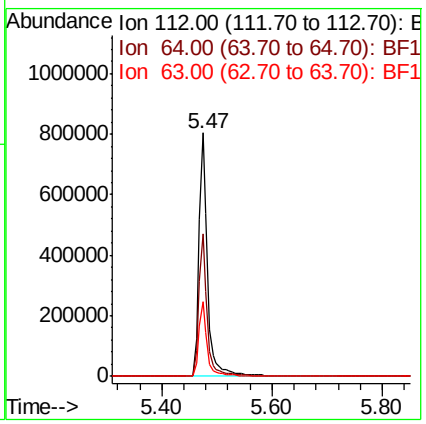


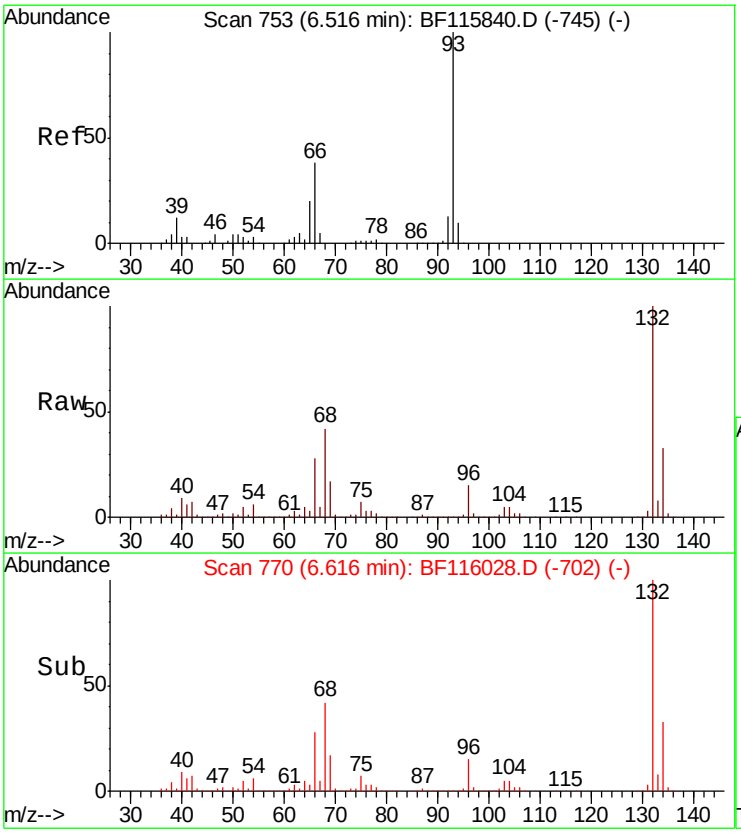
#5
2-Fluorophenol
Concen: 118.352 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion:112 Resp: 871477

Ion	Ratio	Lower	Upper
112	100		
64	58.6	46.8	70.2
63	30.5	24.2	36.2

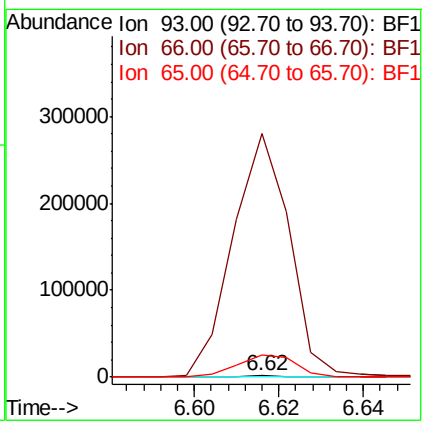


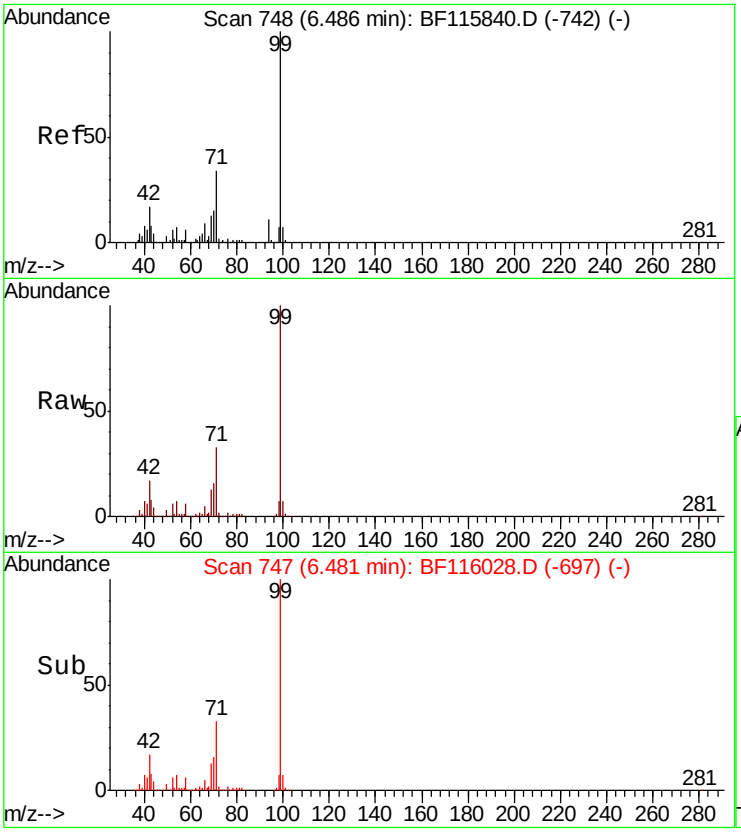


#6
Aniline
Concen: 0.085 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.10 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion: 93 Resp: 1136

Ion	Ratio	Lower	Upper
93	100		
66	20941.1	31.4	47.0#
65	1919.9	16.5	24.7#



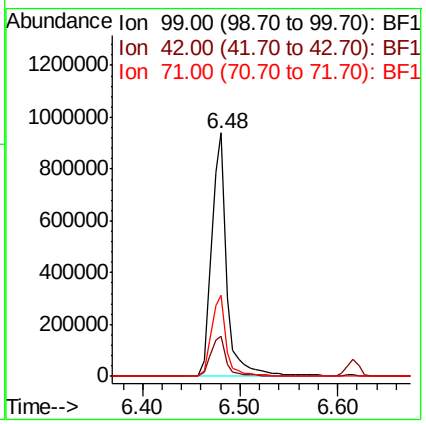


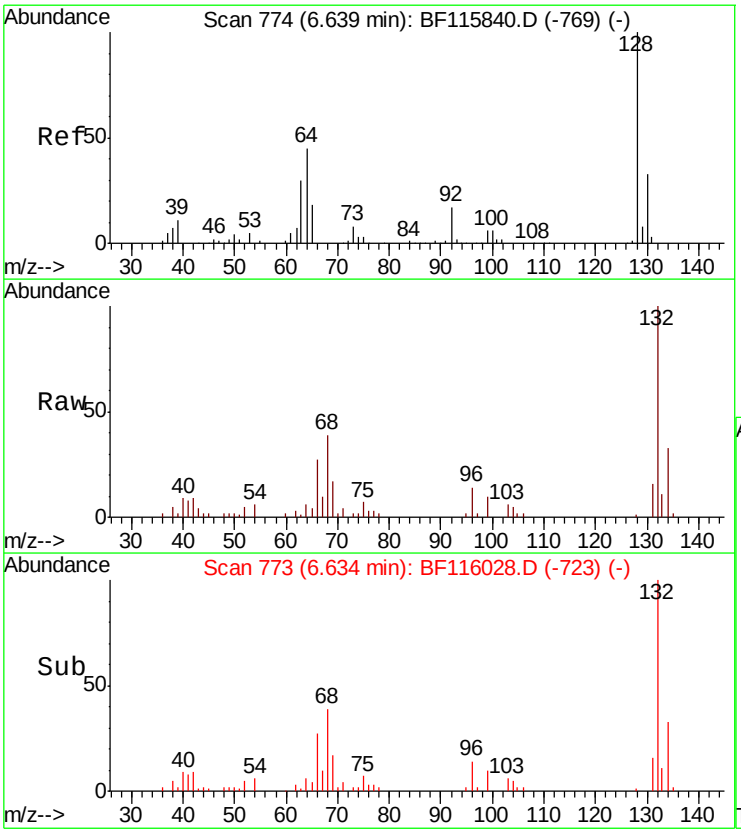
#7
Phenol-d6
Concen: 108.441 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion: 99 Resp: 1007445

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.8	20.6
71	33.2	27.1	40.7

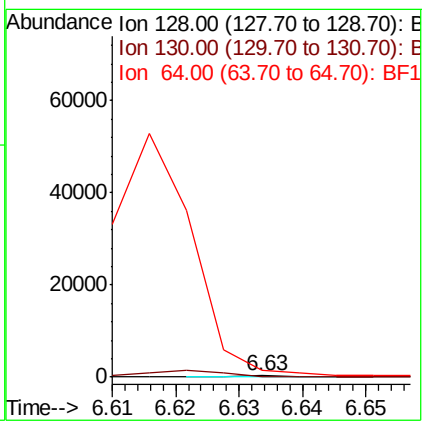


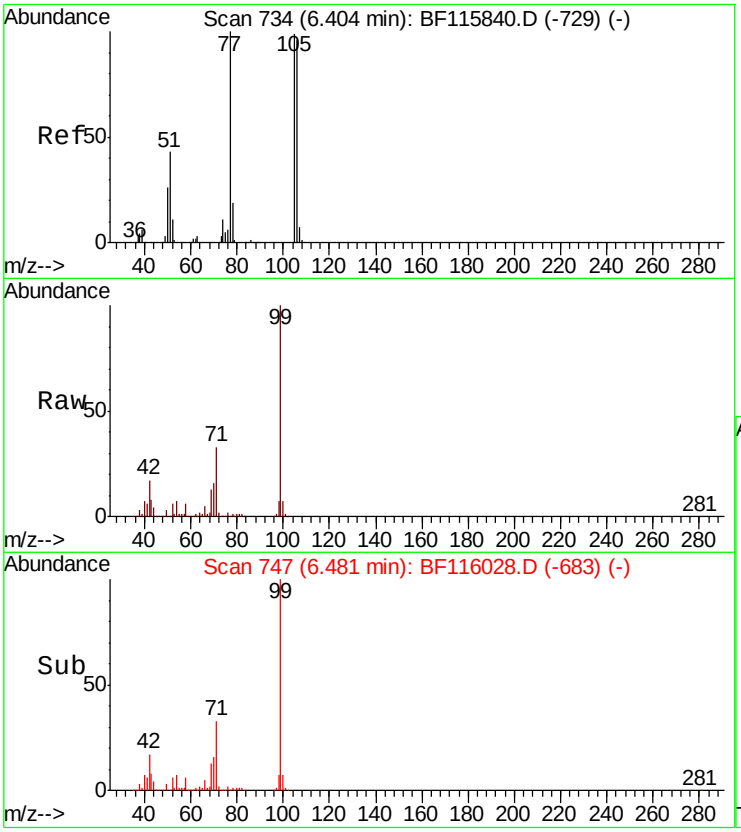


#8
2-Chlorophenol
Concen: 0.014 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion:128 Resp: 114

Ion	Ratio	Lower	Upper
128	100		
130	0.0	12.9	52.9#
64	429.3	26.1	66.1#



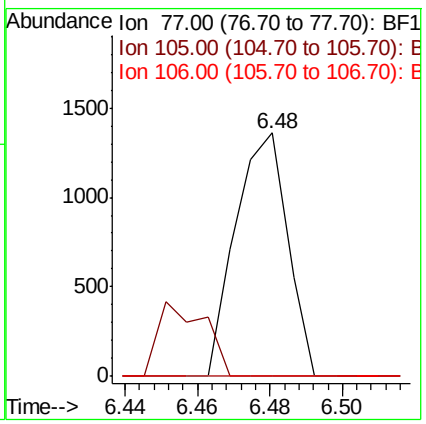


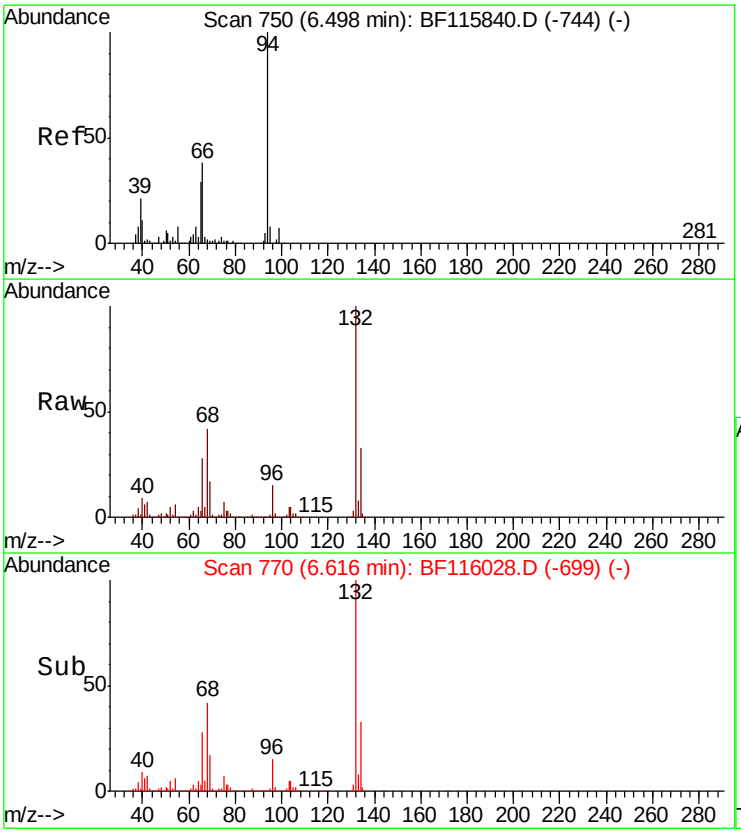
#9
Benzaldehyde
Concen: 0.211 ng
RT: 6.48 min Scan# 747
Delta R.T. 0.08 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion: 77 Resp: 1354

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

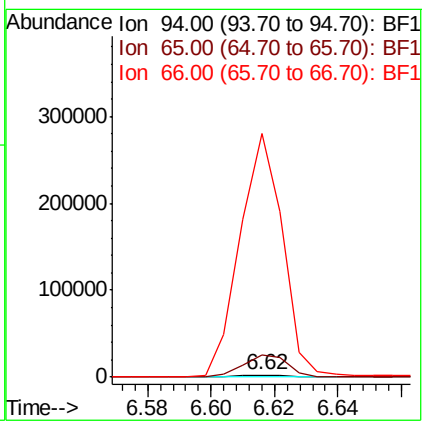


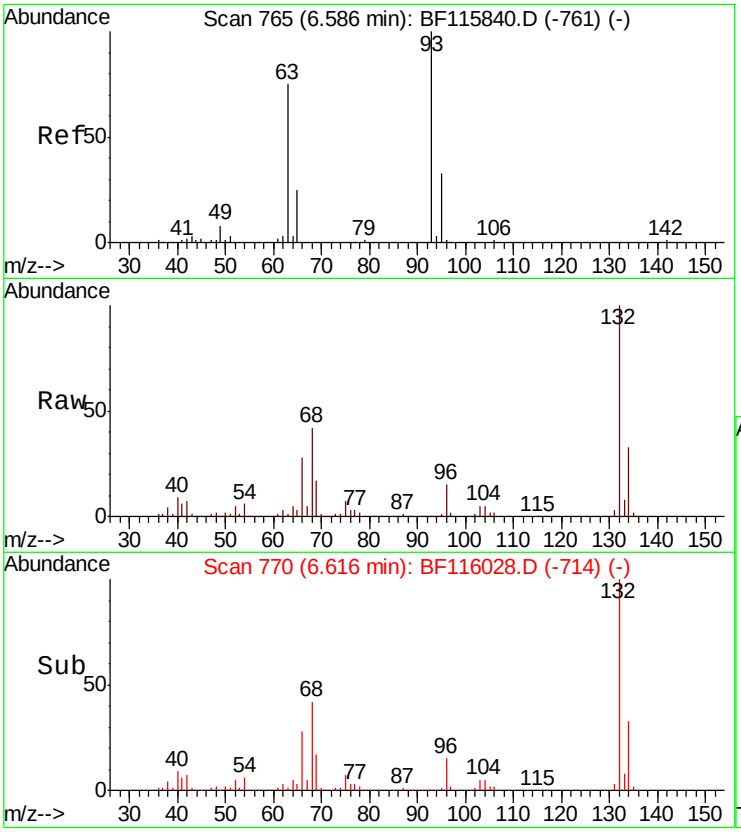


#10
Phenol
Concen: 0.183 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.12 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion: 94 Resp: 1999

Ion	Ratio	Lower	Upper
94	100		
65	1232.0	8.9	48.9#
66	13438.5	18.0	58.0#



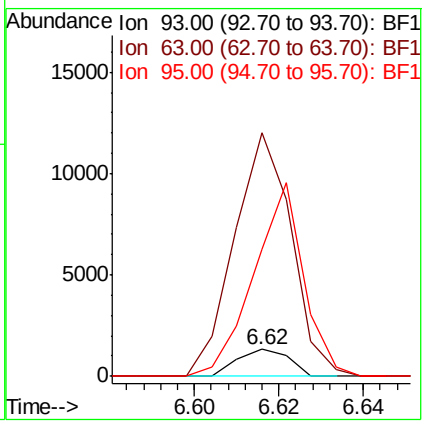


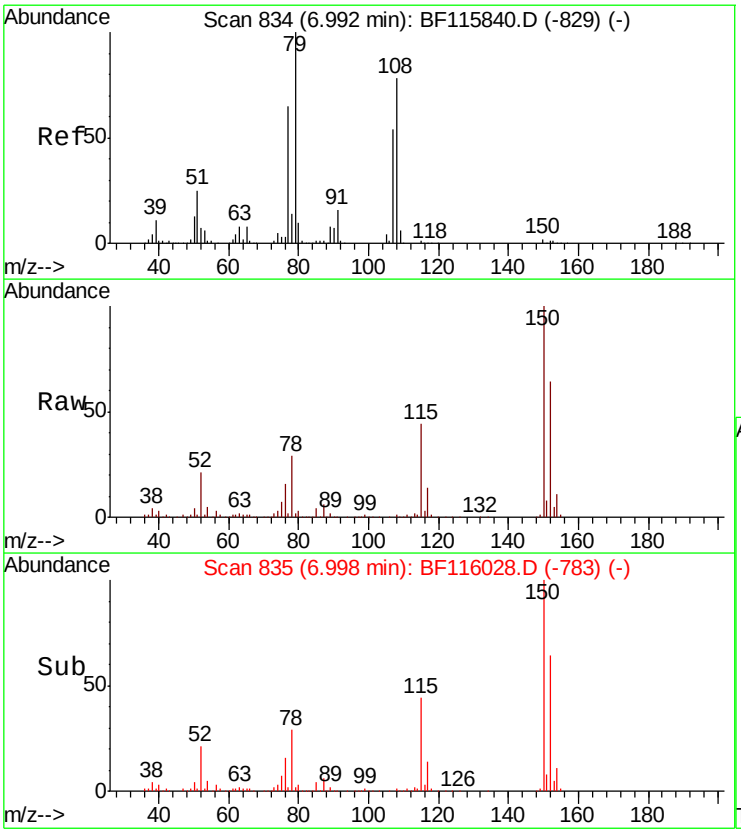
#11
bis(2-Chloroethyl)ether
Concen: 0.141 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.03 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion: 93 Resp: 1136

Ion	Ratio	Lower	Upper
93	100		
63	897.2	54.9	94.9#
95	468.2	13.3	53.3#

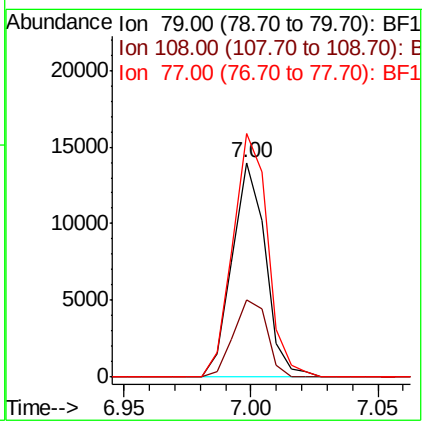


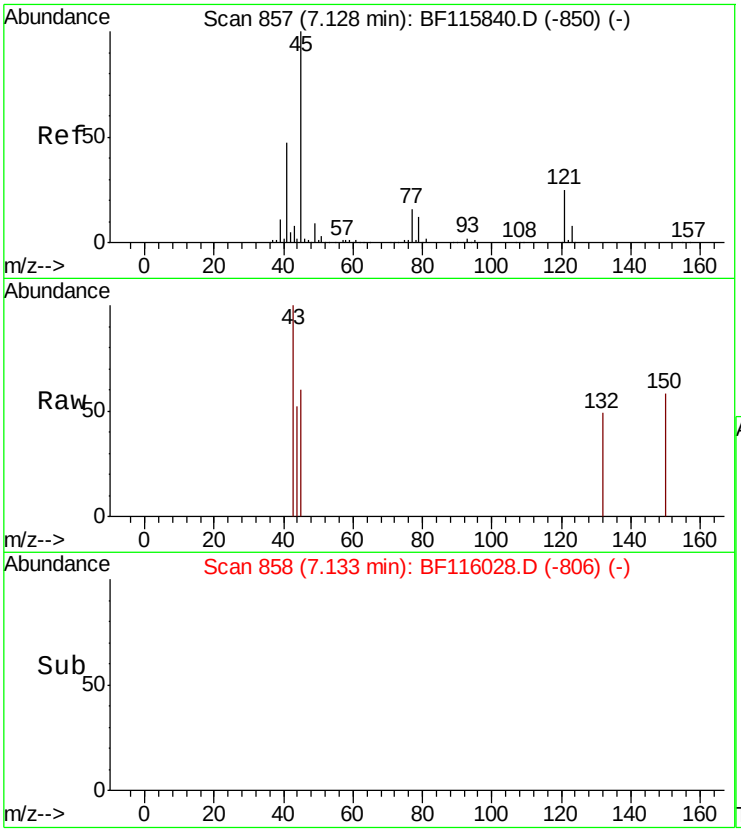


#15
Benzyl Alcohol
Concen: 1.816 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion: 79 Resp: 12802

Ion	Ratio	Lower	Upper
79	100		
108	35.8	62.8	94.2#
77	113.4	52.0	78.0#



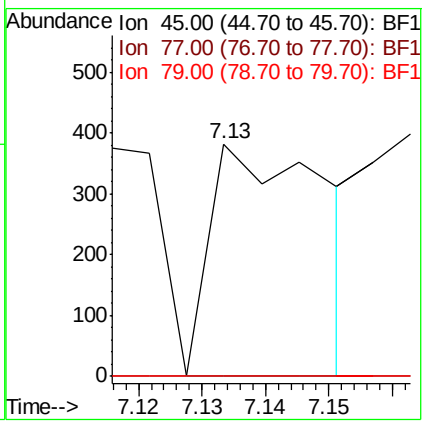


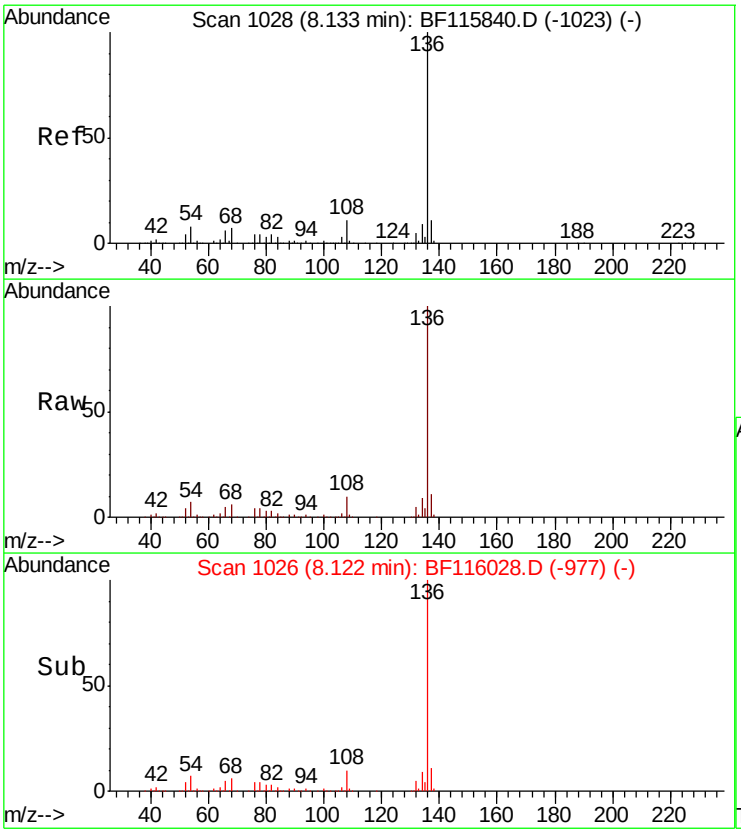
#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.044 ng
RT: 7.13 min Scan# 858
Delta R.T. 0.01 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion: 45 Resp: 480

Ion	Ratio	Lower	Upper
45	100		
77	0.0	0.0	36.3
79	0.0	0.0	32.5

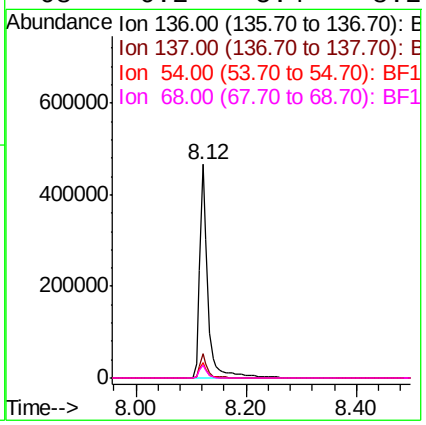


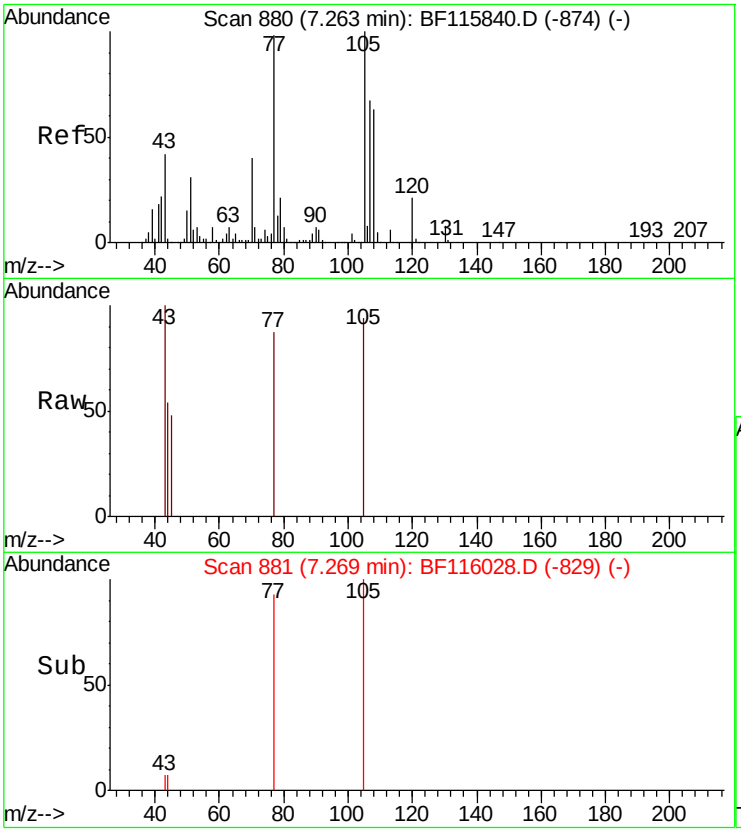


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion:136 Resp: 473085

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.1	6.1	9.1
68	6.2	5.4	8.2



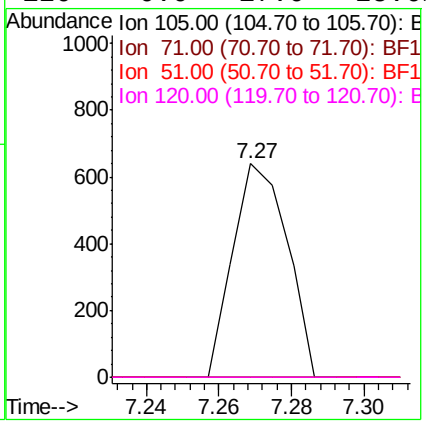


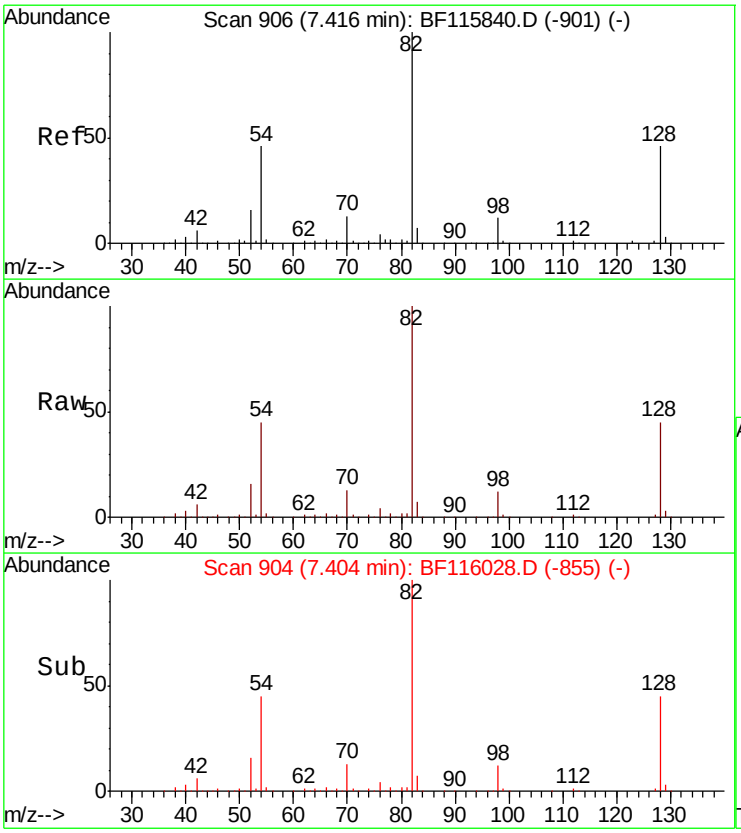
#22
Acetophenone
Concen: 0.064 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.01 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion:105 Resp: 666

Ion	Ratio	Lower	Upper
105	100		
71	0.0	5.4	8.0#
51	0.0	24.6	36.8#
120	0.0	17.0	25.6#

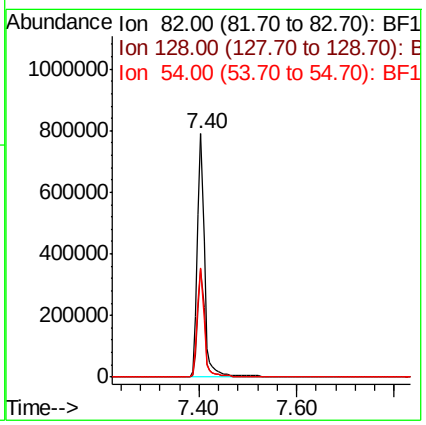


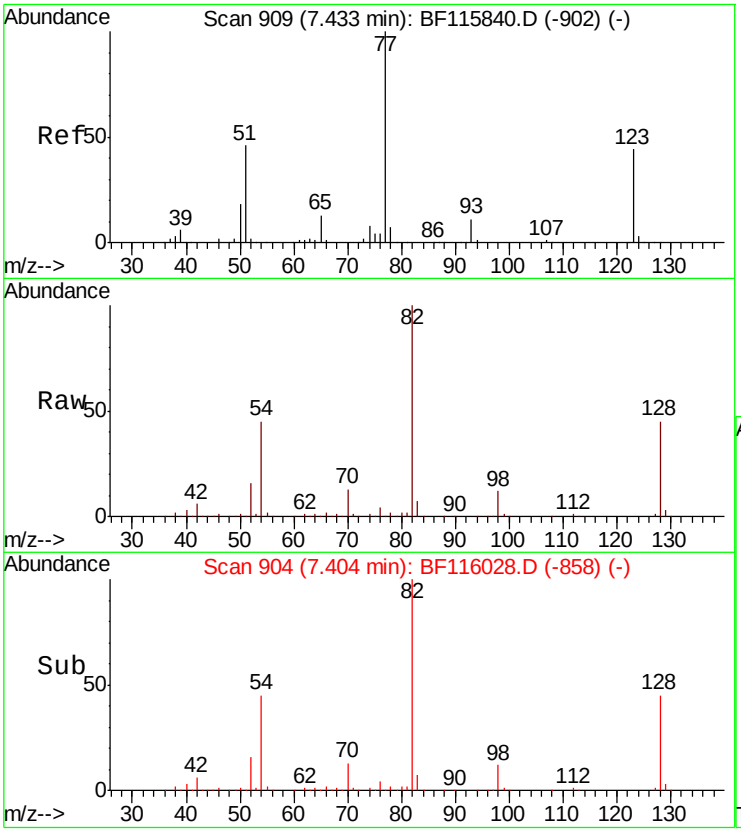


#23
Nitrobenzene-d5
Concen: 99.797 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion: 82 Resp: 817913

Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.6	55.0
54	45.1	36.6	55.0



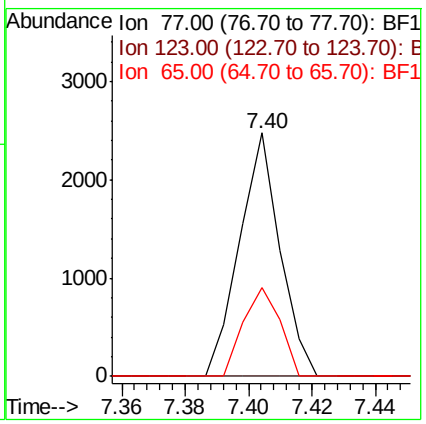


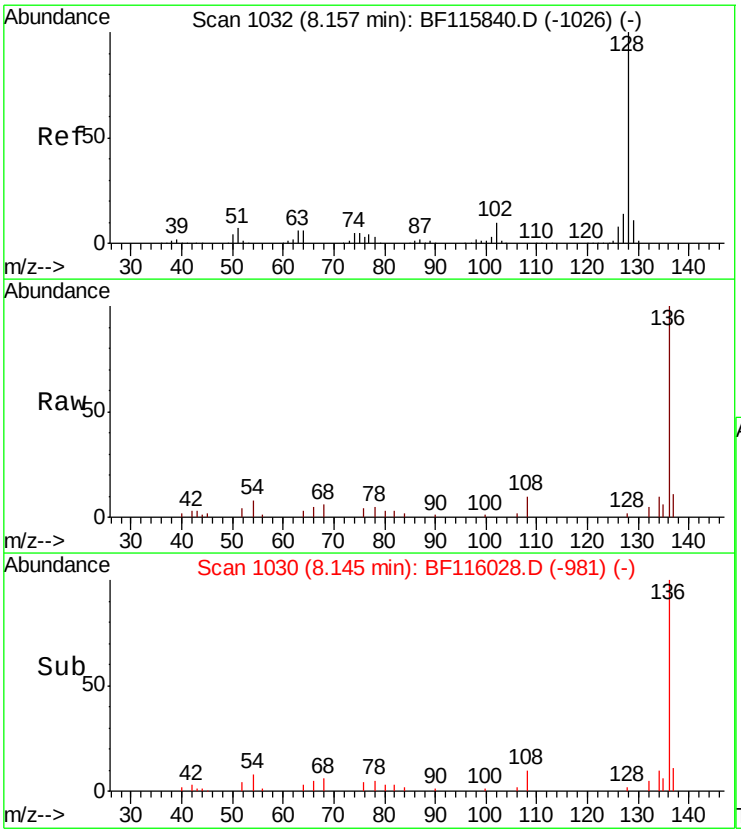
#24
Nitrobenzene
Concen: 0.248 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.03 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion: 77 Resp: 2192

Ion	Ratio	Lower	Upper
77	100		
123	0.0	35.5	53.3#
65	36.5	10.6	15.8#

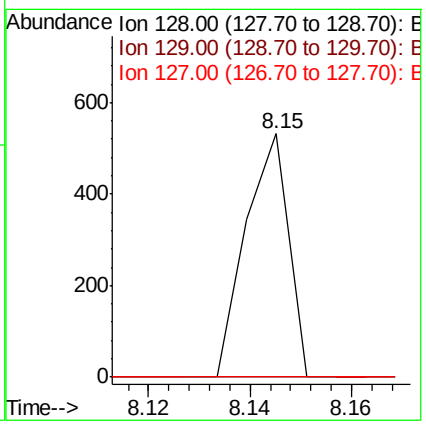


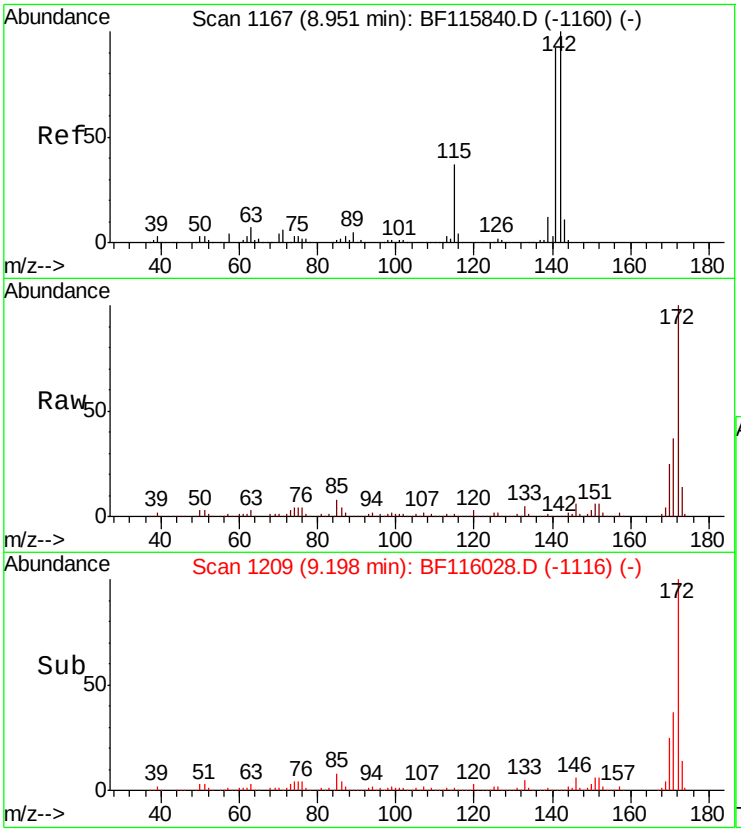


#31
Naphthalene
Concen: 0.014 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion:128 Resp: 310

Ion	Ratio	Lower	Upper
128	100		
129	0.0	9.2	13.8#
127	0.0	11.0	16.4#



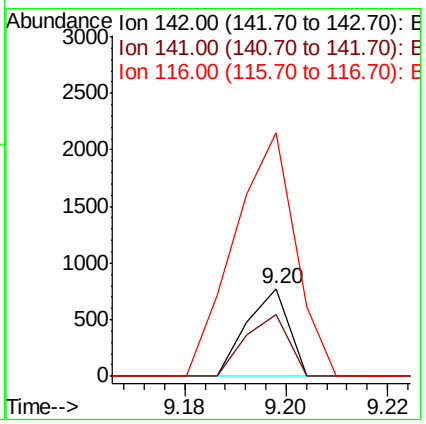


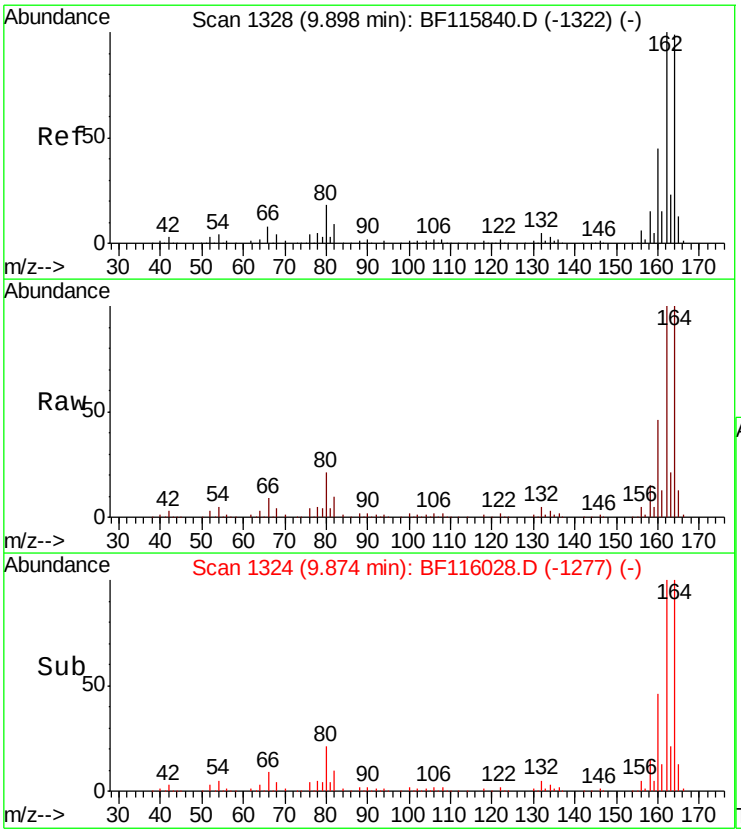
#38
1-Methylnaphthalene
Concen: 0.032 ng
RT: 9.20 min Scan# 1209
Delta R.T. 0.25 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion:142 Resp: 442

Ion	Ratio	Lower	Upper
142	100		
141	71.1	73.8	110.6#
116	277.9	3.1	4.7#

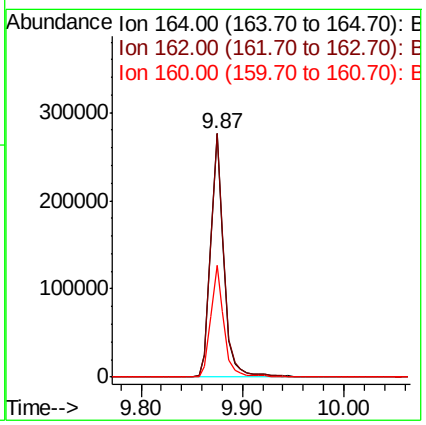


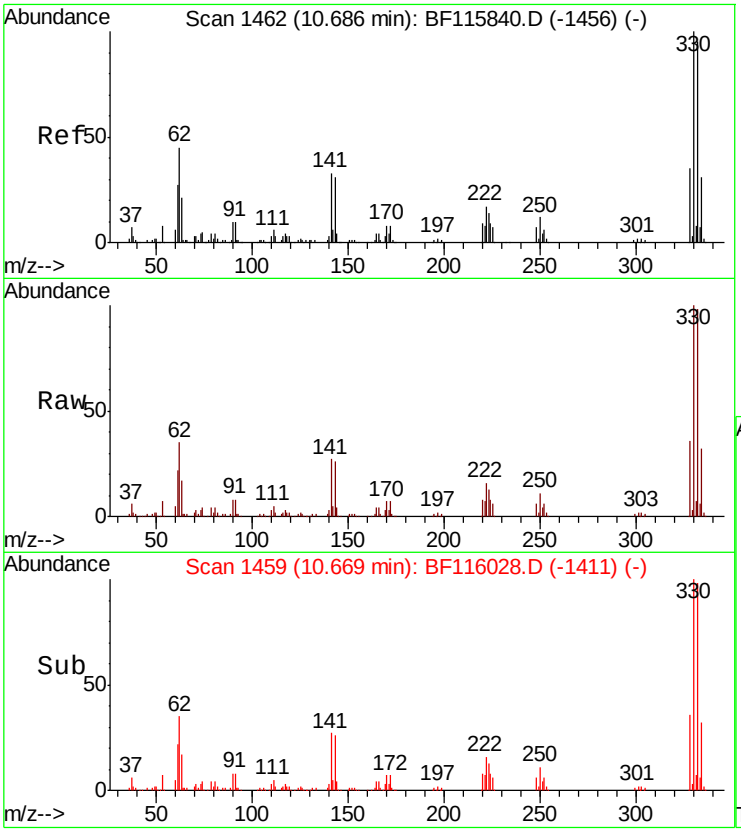


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion:164 Resp: 250468

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.8	121.2
160	45.9	36.2	54.4



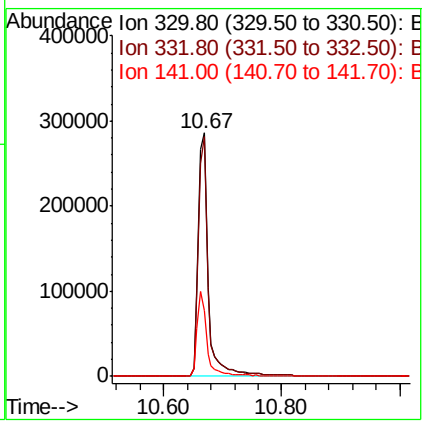


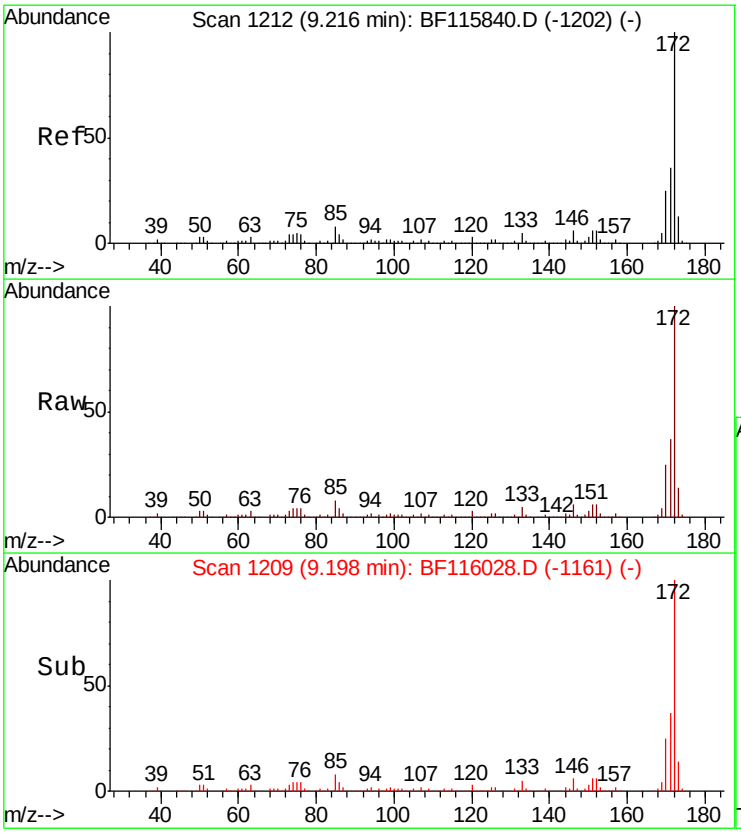
#42
2,4,6-Tribromophenol
Concen: 137.801 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.02 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion:330 Resp: 334631

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.7	116.5
141	34.6	28.1	42.1

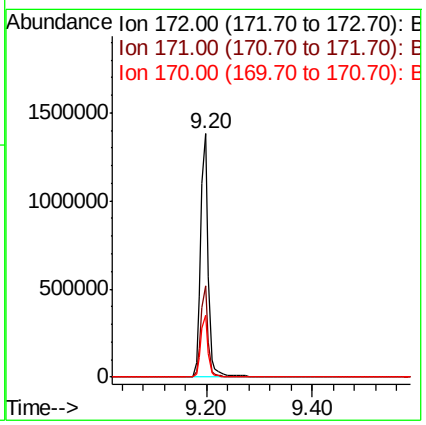


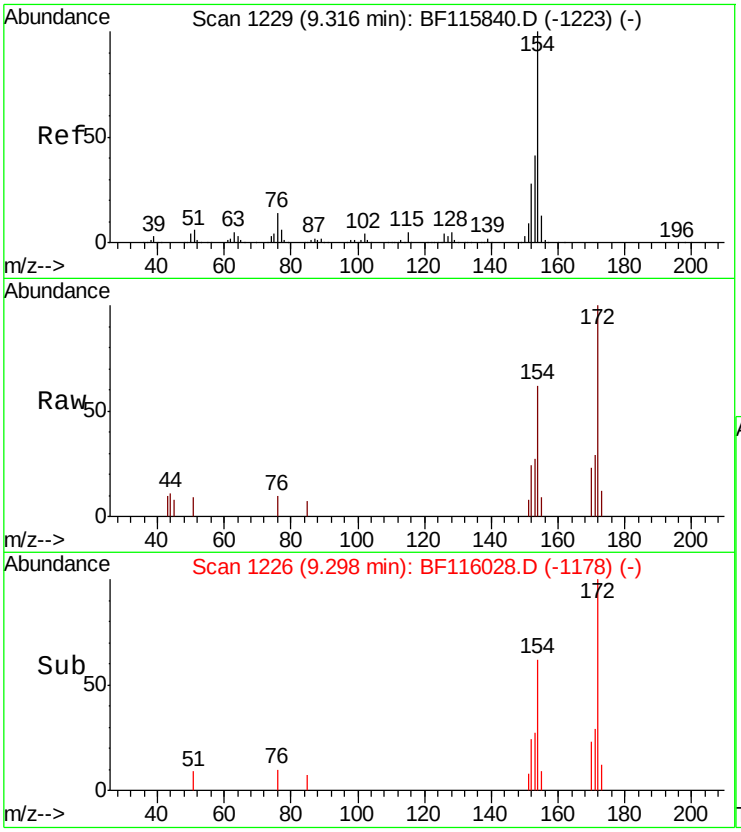


#45
2-Fluorobiphenyl
Concen: 103.881 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.02 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion:172 Resp: 1389106

Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.1	43.7
170	25.3	20.1	30.1



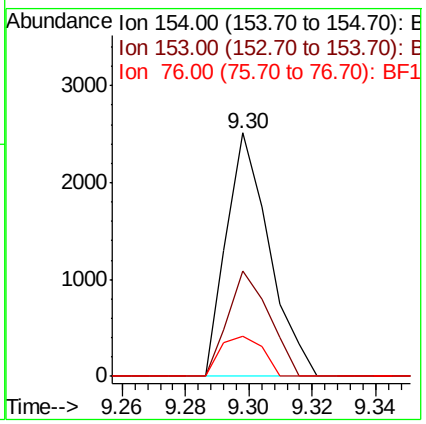


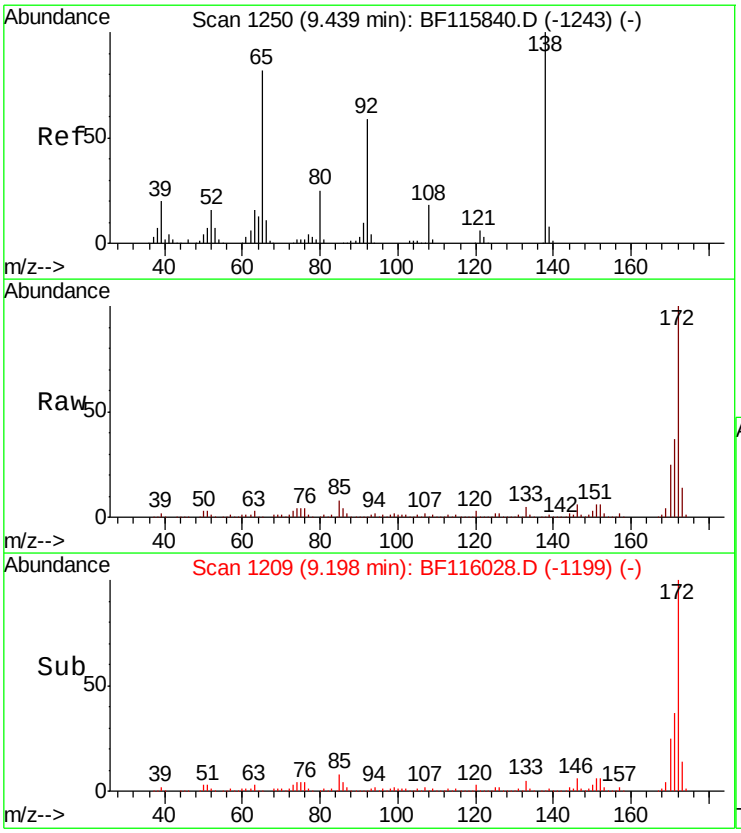
#46
1,1'-Biphenyl
Concen: 0.133 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.02 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion:154 Resp: 2345

Ion	Ratio	Lower	Upper
154	100		
153	43.2	20.9	60.9
76	16.4	0.0	34.3

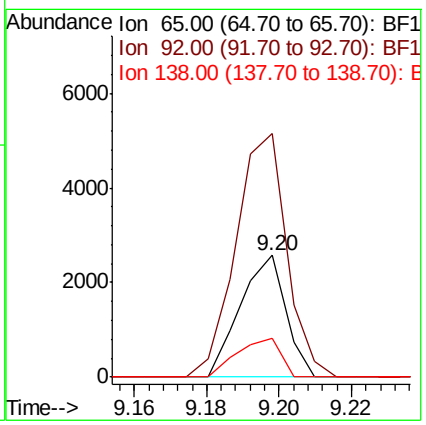


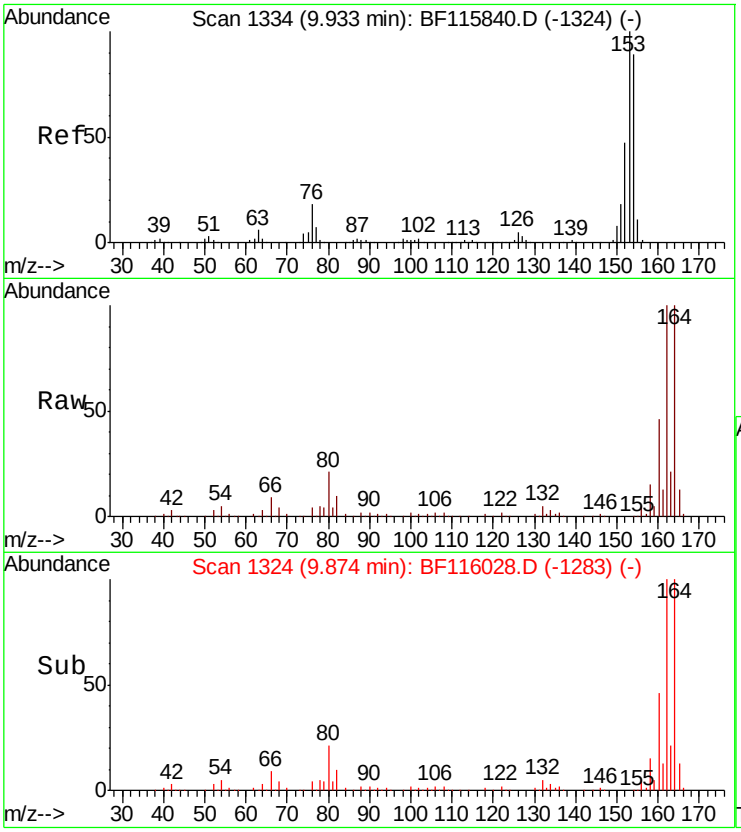


#48
2-Nitroaniline
Concen: 0.460 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.24 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion: 65 Resp: 2237

Ion	Ratio	Lower	Upper
65	100		
92	199.8	57.1	85.7#
138	32.1	97.1	145.7#



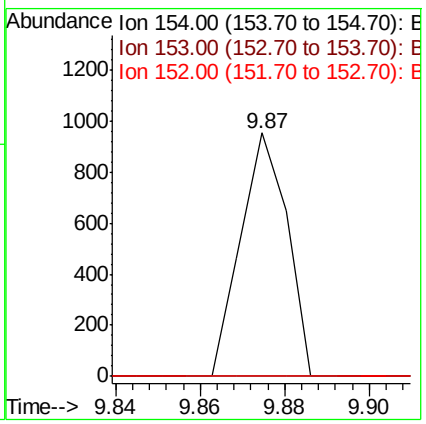


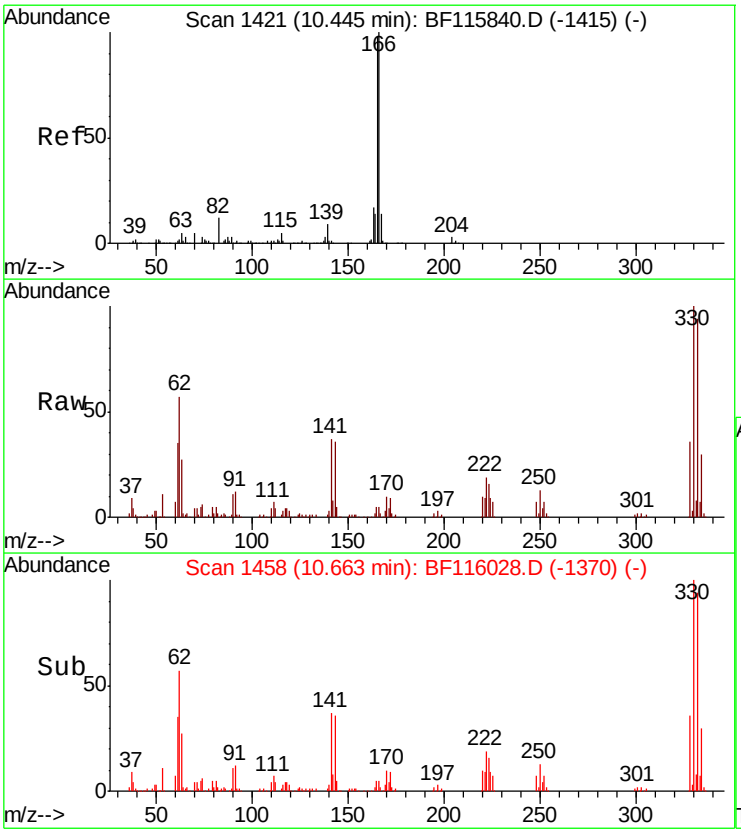
#52
Acenaphthene
Concen: 0.055 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.06 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion:154 Resp: 730

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

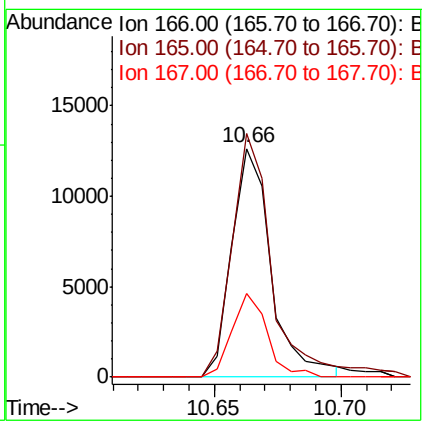


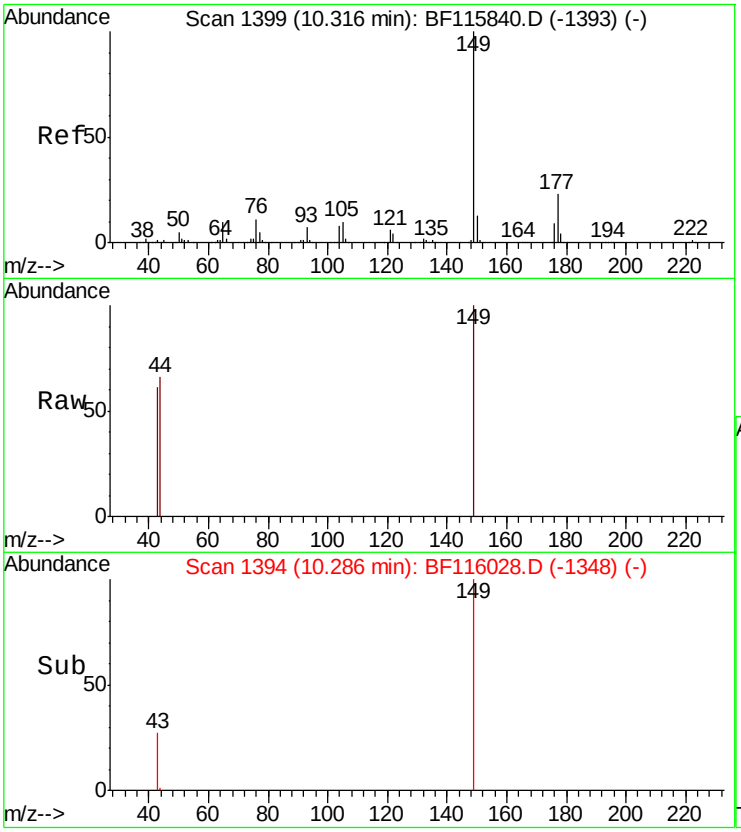


#58
Fluorene
Concen: 0.928 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.22 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion:166 Resp: 13682

Ion	Ratio	Lower	Upper
166	100		
165	106.5	78.6	118.0
167	42.8	10.9	16.3#



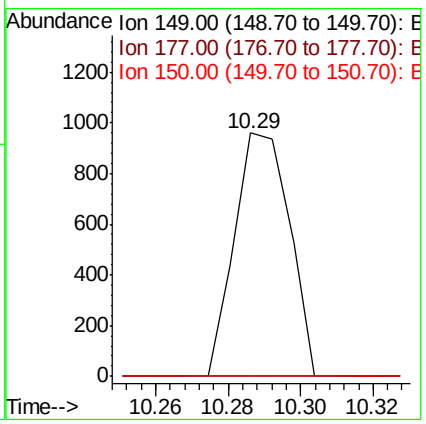


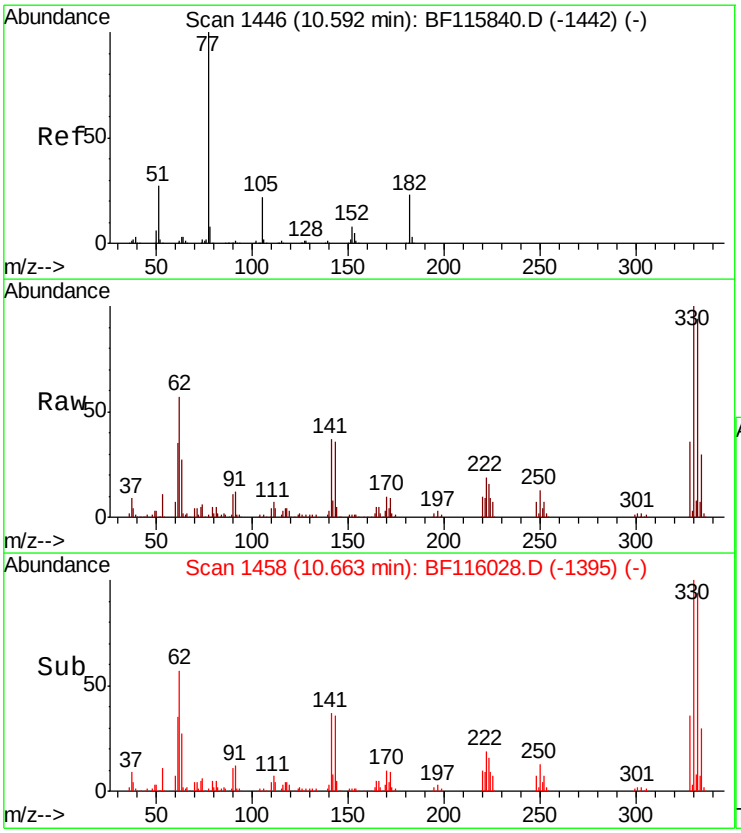
#60
Diethylphthalate
Concen: 0.063 ng
RT: 10.29 min Scan# 1394
Delta R.T. -0.03 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion:149 Resp: 1009

Ion	Ratio	Lower	Upper
149	100		
177	0.0	18.4	27.6#
150	0.0	10.1	15.1#

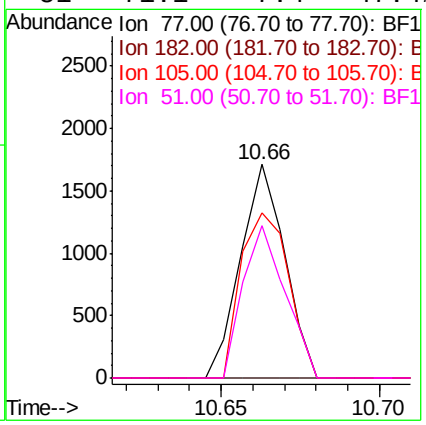


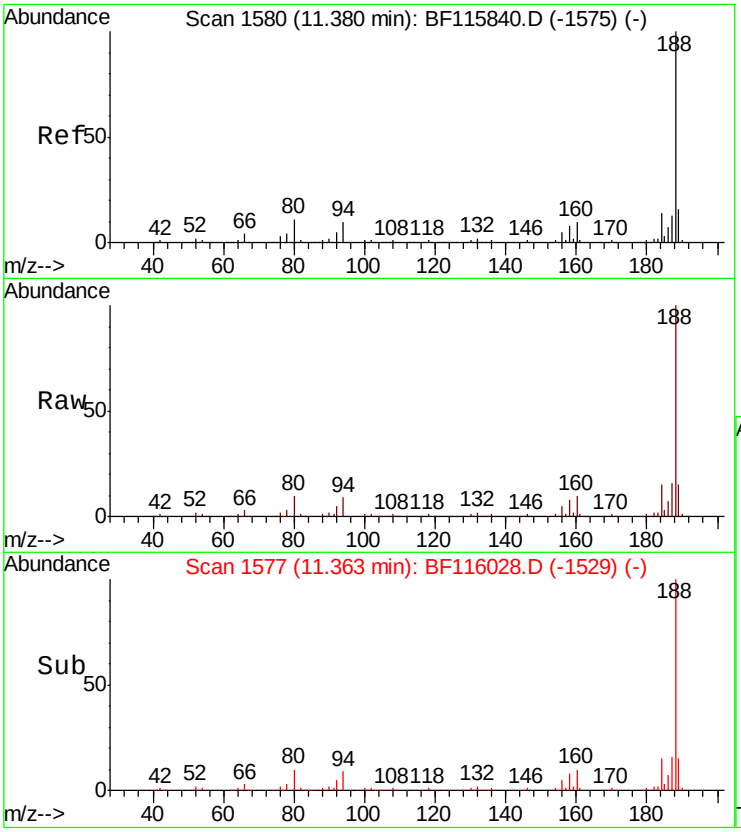


#63
Azobenzene
Concen: 0.101 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.07 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion: 77 Resp: 1657

Ion	Ratio	Lower	Upper
77	100		
182	0.0	2.6	42.6#
105	77.0	1.6	41.6#
51	71.1	7.4	47.4#



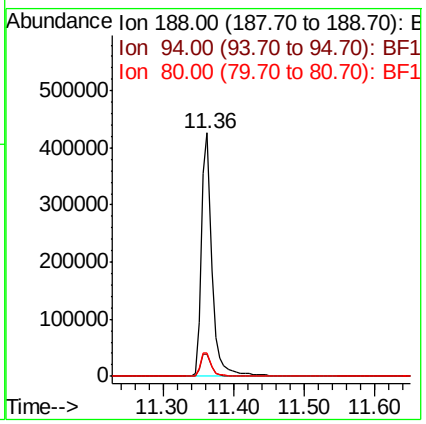


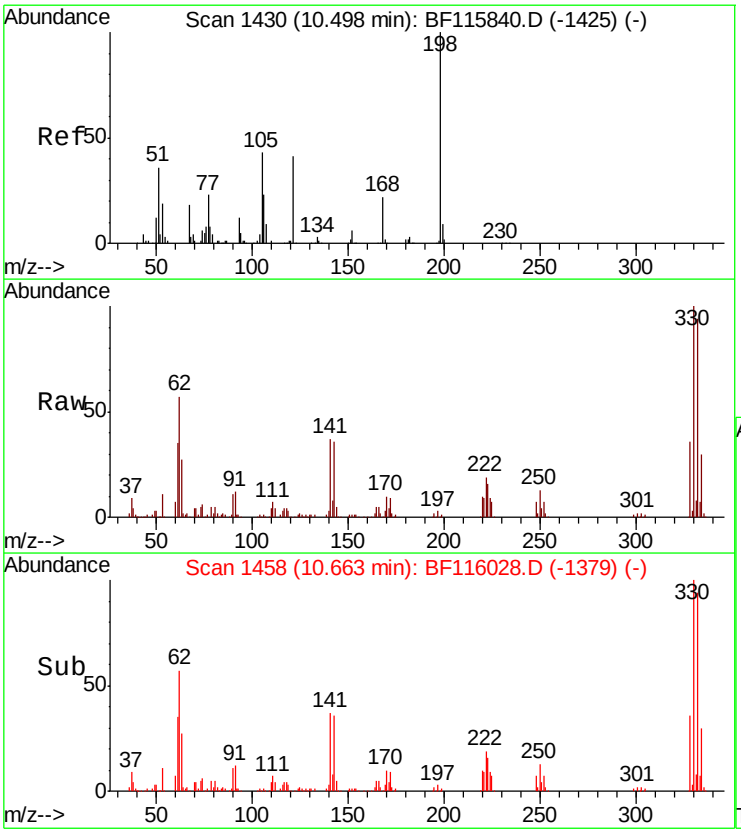
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion:188 Resp: 441991

Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.0	12.0
80	9.8	8.6	12.8

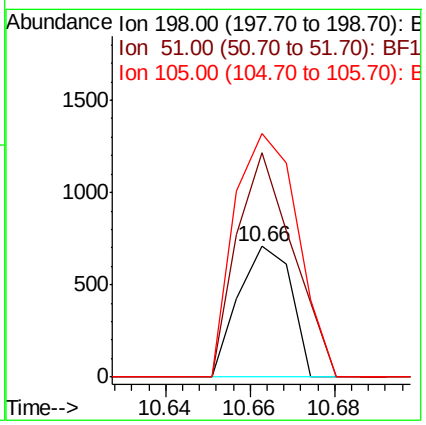


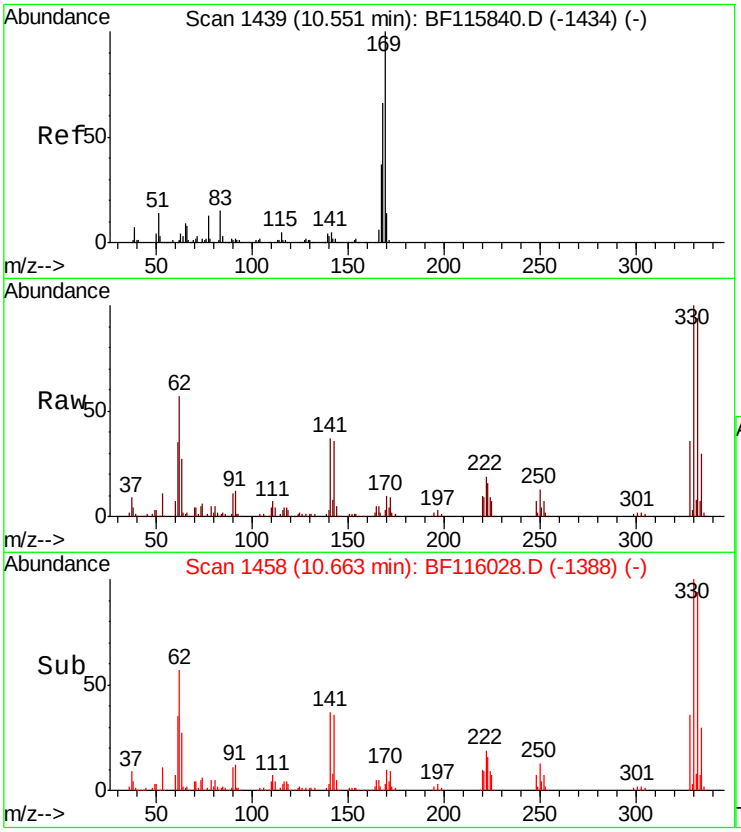


#65
4,6-Dinitro-2-methylphenol
Concen: 0.263 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.16 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion:198 Resp: 616

Ion	Ratio	Lower	Upper
198	100		
51	172.5	21.1	61.1#
105	186.8	24.5	64.5#



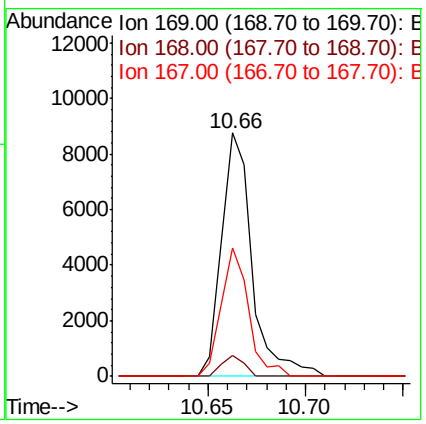


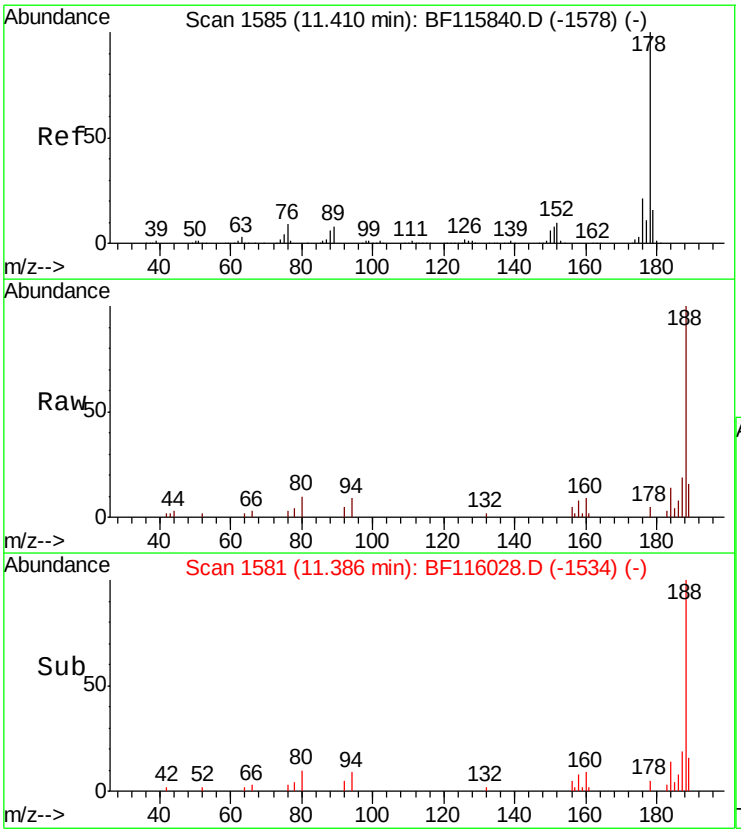
#66
n-Nitrosodiphenylamine
Concen: 0.714 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.11 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion:169 Resp: 9503

Ion	Ratio	Lower	Upper
169	100		
168	8.8	53.0	79.6#
167	61.7	29.9	44.9#

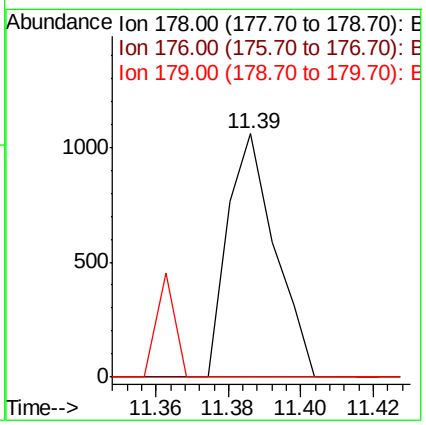


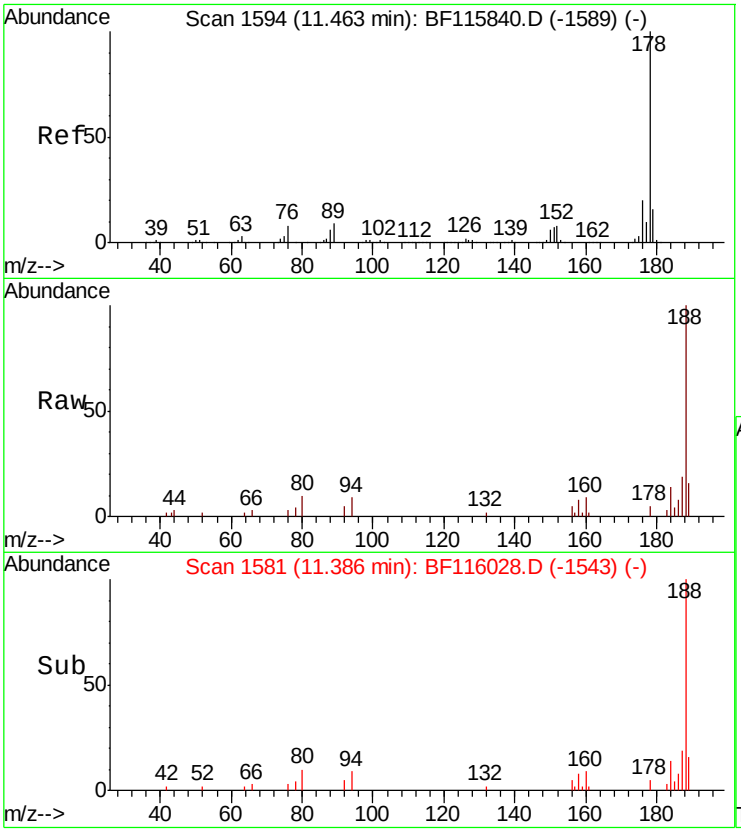


#71
Phenanthrene
Concen: 0.043 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion:178 Resp: 962

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



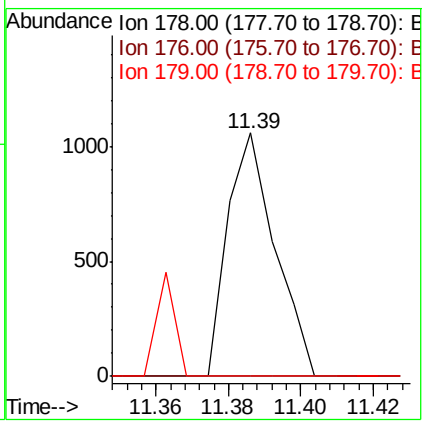


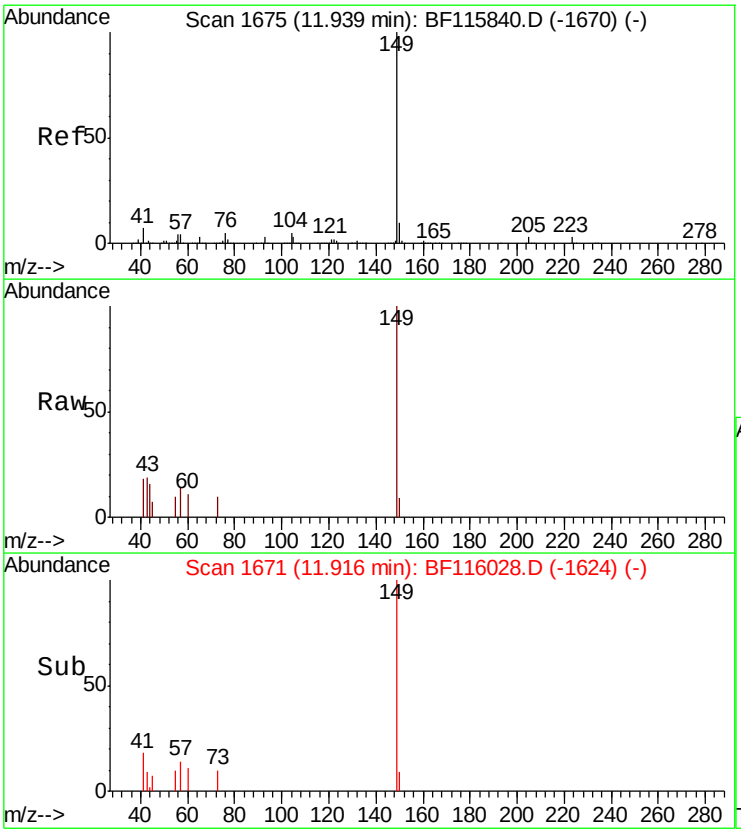
#72
Anthracene
Concen: 0.042 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.08 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion:178 Resp: 962

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

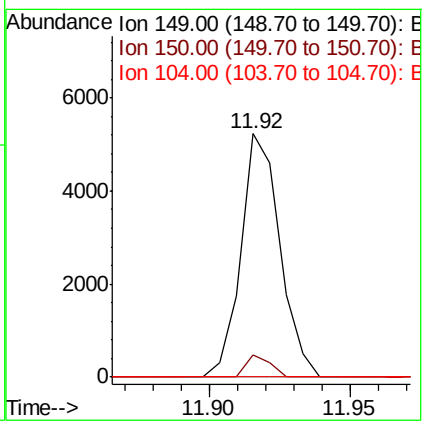


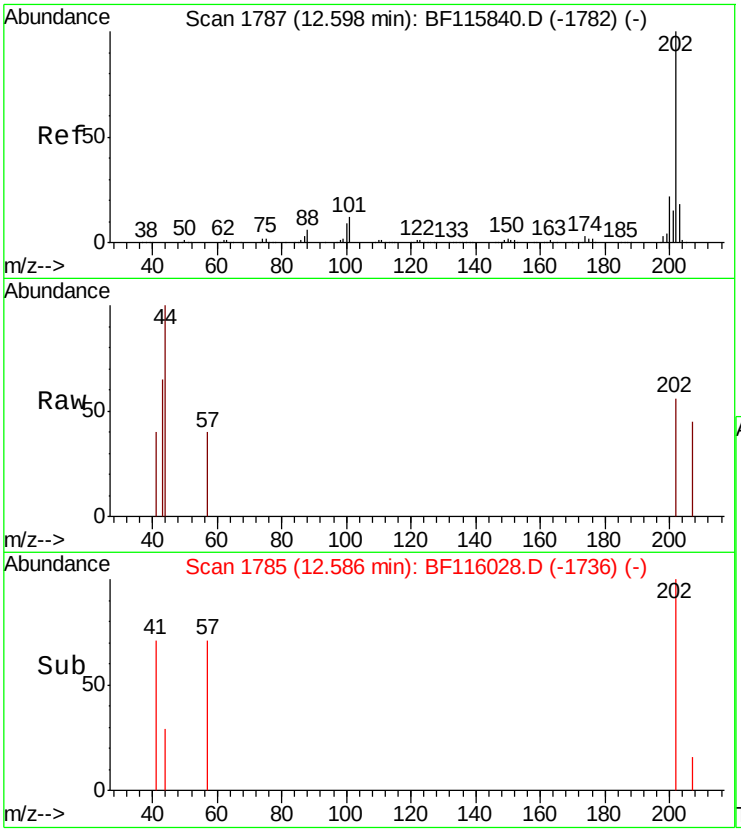


#74
Di-n-butylphthalate
Concen: 0.206 ng
RT: 11.92 min Scan# 1671
Delta R.T. -0.02 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion:149 Resp: 4997

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.7	11.5
104	0.0	4.3	6.5#



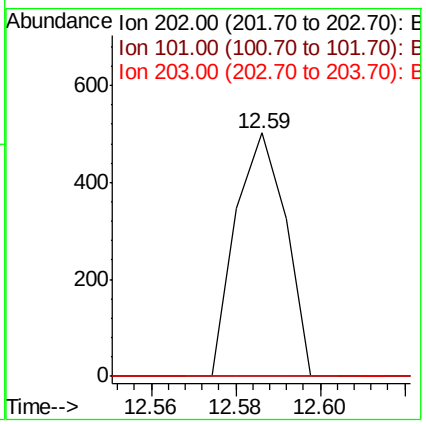


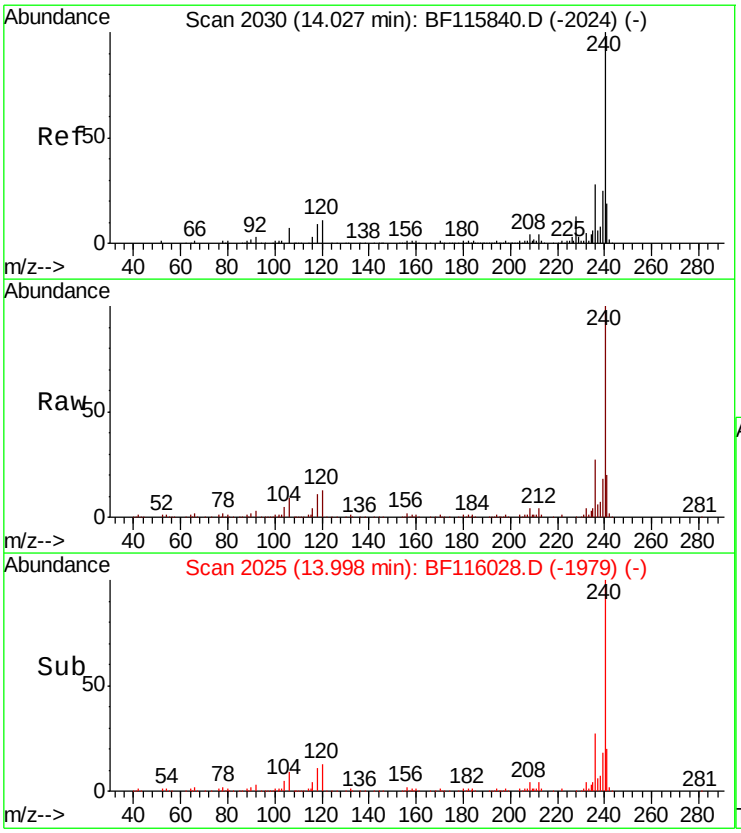
#75
Fluoranthene
Concen: 0.018 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion:202 Resp: 414

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

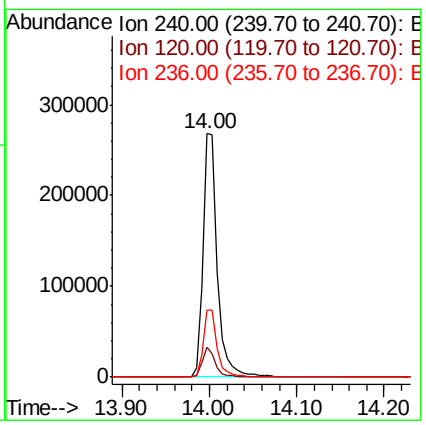


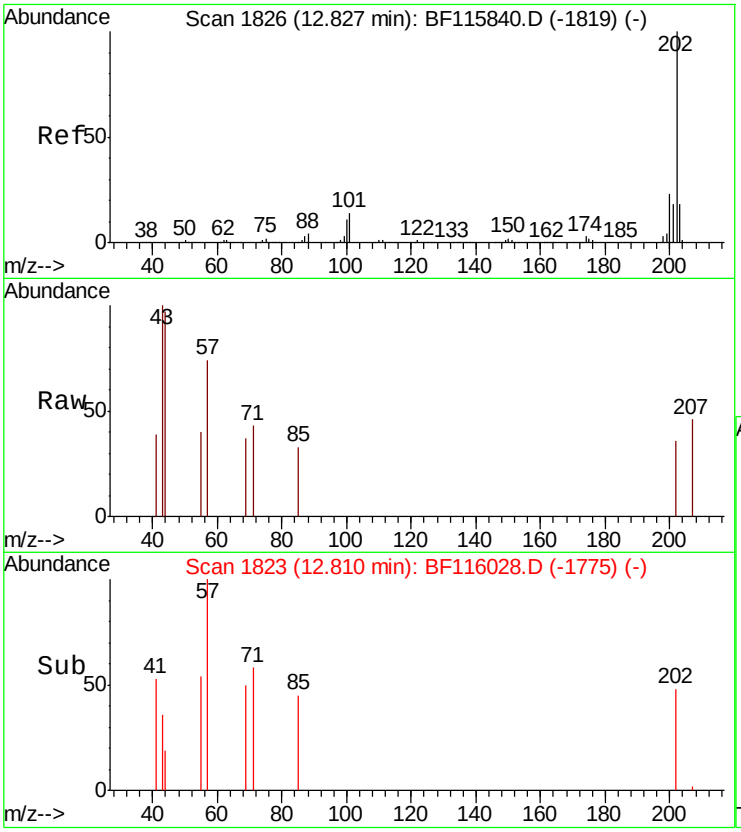


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.03 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion:240 Resp: 304131

Ion	Ratio	Lower	Upper
240	100		
120	12.5	8.5	12.7
236	27.3	22.2	33.2



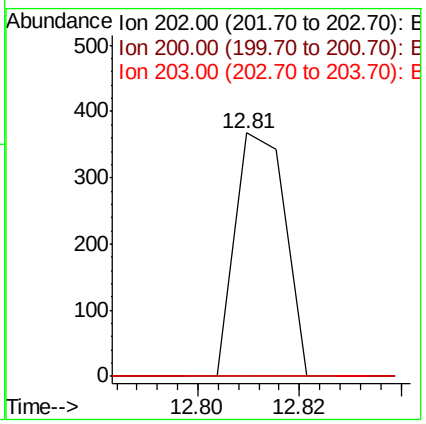


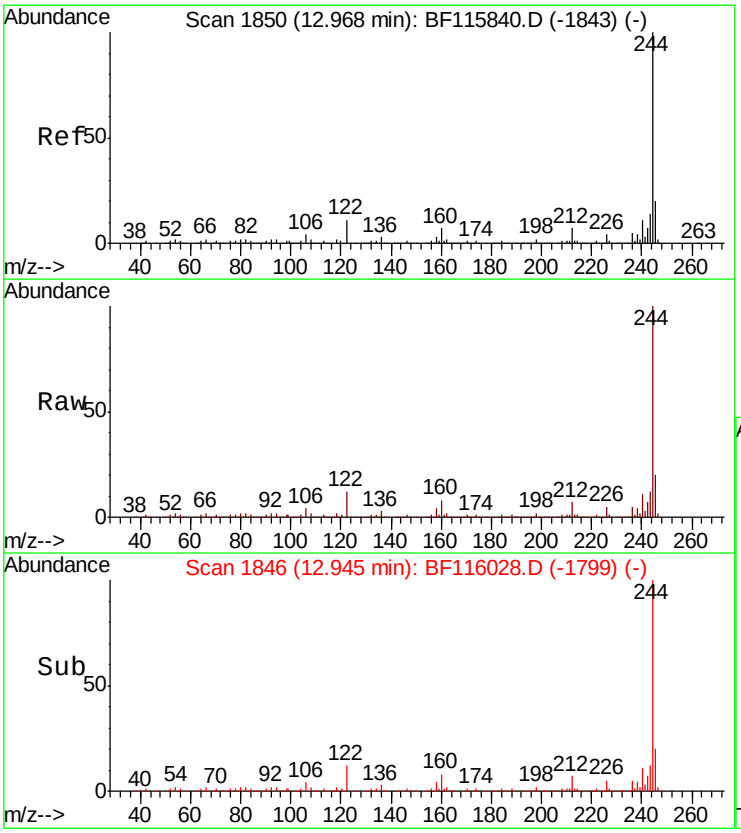
#78
Pyrene
Concen: 0.011 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.02 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion:202 Resp: 251

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

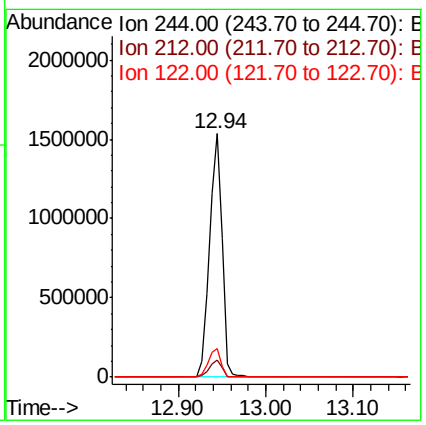


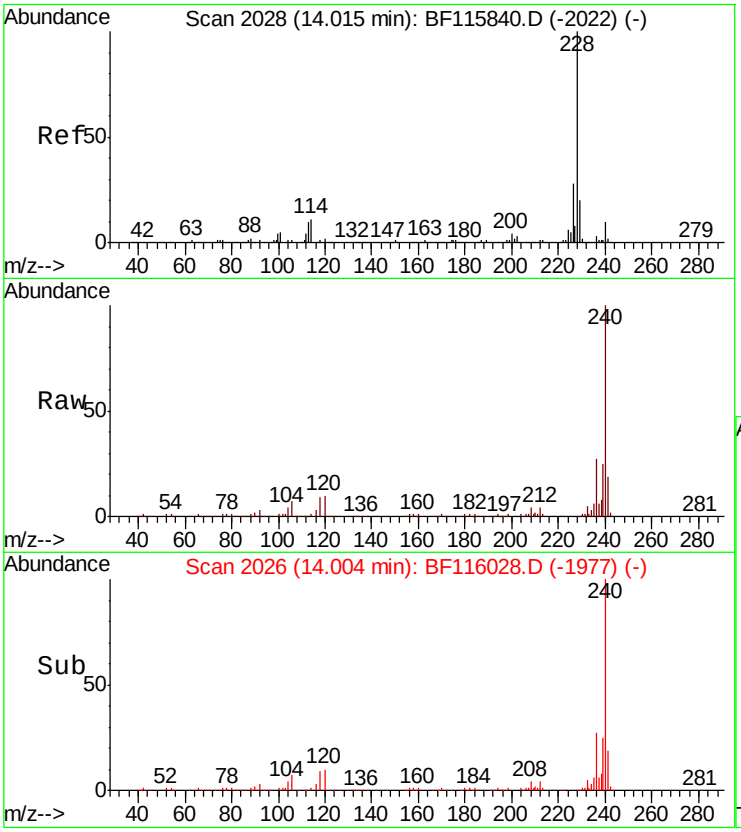


#79
Terphenyl-d14
Concen: 106.701 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion:244 Resp: 1540031

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	11.7	8.6	13.0



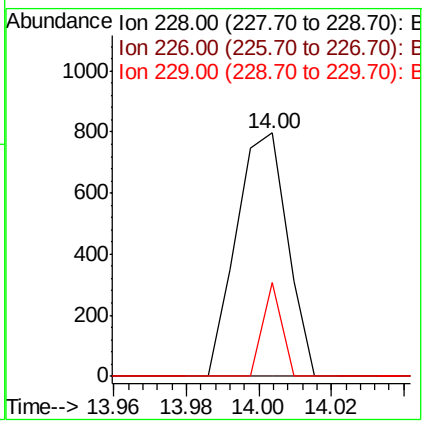


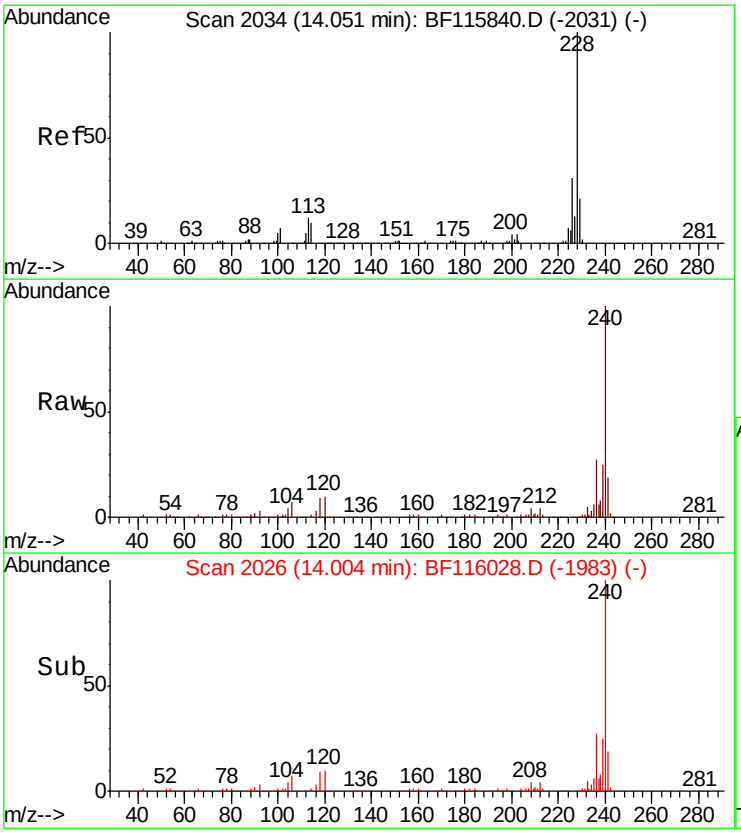
#81
Benzo(a)anthracene
Concen: 0.040 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion:228 Resp: 779

Ion	Ratio	Lower	Upper
228	100		
226	0.0	22.5	33.7#
229	38.6	16.1	24.1#

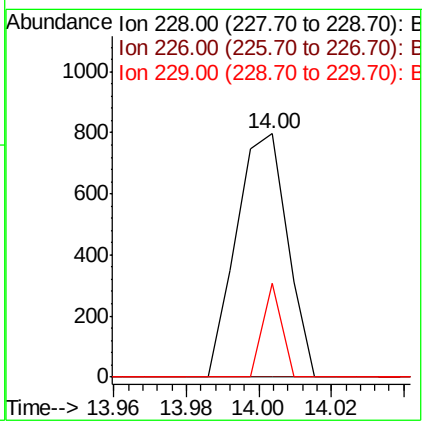


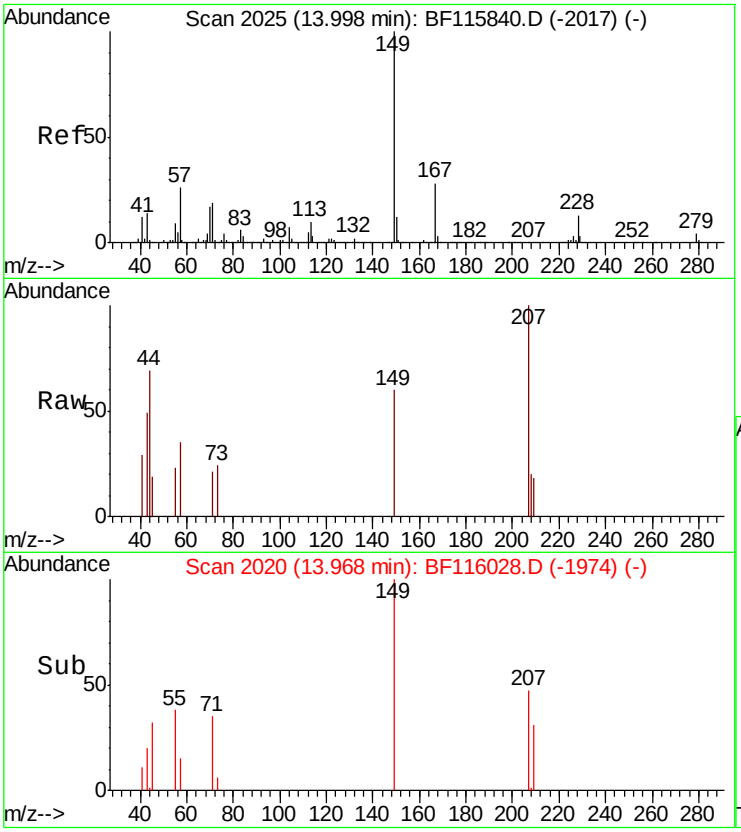


#83
Chrysene
Concen: 0.041 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.05 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion:228 Resp: 779

Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.8	37.2#
229	38.6	16.4	24.6#



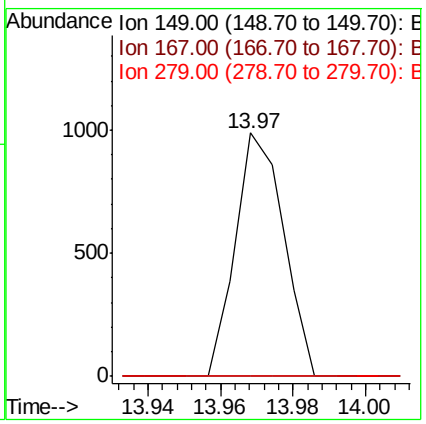


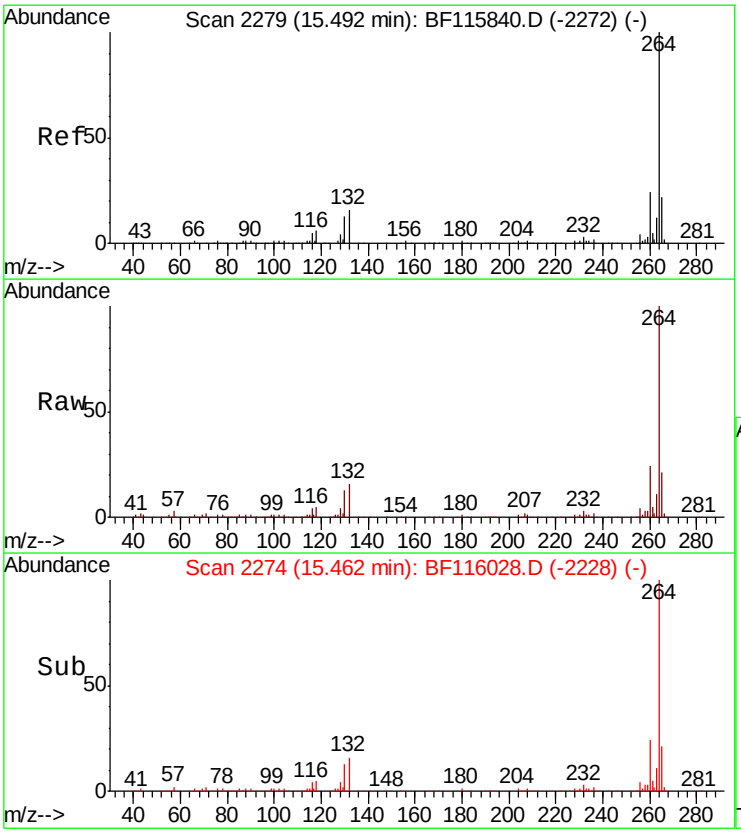
#84
Bis(2-ethylhexyl)phthalate
Concen: 0.072 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.03 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(30)

Tgt Ion:149 Resp: 911

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





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.03 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion:264 Resp: 354726

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	20.6	17.5	26.3