Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111318\
Data File : BE098220.D
Acq On : 13 Nov 2018 22:11
Operator : SJ/JU
Sample : PB114778BSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB114778BSD

Quant Time: Nov 14 00:08:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 12 13:32:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	1553	0.40	ng		0.00
7) Naphthalene-d8	10.67	136	7567	0.40	ng		0.00
13) Acenaphthene-d10	14.53	164	4899	0.40	ng		0.00
19) Phenanthrene-d10	17.28	188	11487	0.40	ng		0.00
27) Chrysene-d12	21.46	240	13631	0.40	ng		0.00
34) Perylene-d12	24.01	264	12999	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.46	112	1836	0.42	ng		0.00
5) Phenol-d6	7.04	99	2868	0.41	ng		0.00
8) Nitrobenzene-d5	9.02	82	2989	0.40	ng		0.00
11) 2-Methylnaphthalene-d10	12.27	152	5107	0.38	ng		0.00
14) 2,4,6-Tribromophenol	16.02	330	756	0.35	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	7687	0.37	ng		0.00
25) Fluoranthene-d10	19.31	212	57081	0.40	ng		0.00
29) Terphenyl-d14	19.91	244	11411	0.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	854	0.365	ng		95
3) n-Nitrosodimethylamine	3.68	42	1164	0.382	ng	#	95
6) bis(2-Chloroethyl)ether	7.29	93	2133	0.375	ng		97
9) Naphthalene	10.72	128	29752	0.387	ng		99
10) Hexachlorobutadiene	11.00	225	1821	0.381	ng		97
12) 2-Methylnaphthalene	12.34	142	5226	0.391	ng		96
16) Acenaphthylene	14.25	152	8813	0.392	ng		99
17) Acenaphthene	14.60	154	5263	0.384	ng		98
18) Fluorene	15.57	166	6881	0.392	ng		99
20) 4-Bromophenyl-phenylether	16.46	248	2664	0.381	ng		94
21) Hexachlorobenzene	16.58	284	2786	0.383	ng		97
22) Pentachlorophenol	16.94	266	588	0.442	ng		96
23) Phenanthrene	17.32	178	11295	0.395	ng		99
24) Anthracene	17.41	178	10345	0.388	ng		98
26) Fluoranthene	19.34	202	14101	0.398	ng		99
28) Pyrene	19.70	202	14506	0.387	ng		99
30) Benzo(a)anthracene	21.45	228	14716	0.380	ng		99
31) Chrysene	21.50	228	14753	0.375	ng		99
32) Bis(2-ethylhexyl)phthalate	21.37	149	33843	0.421	ng		100
33) Indeno(1,2,3-cd)pyrene	26.71	276	14094	0.391	ng	#	88
35) Benzo(b)fluoranthene	23.22	252	13875	0.376	ng		97
36) Benzo(k)fluoranthene	23.28	252	14761	0.379	ng		99
37) Benzo(a)pyrene	23.89	252	13652	0.386	ng		99
38) Dibenzo(a,h)anthracene	26.73	278	12031	0.399	ng		98
39) Benzo(g,h,i)perylene	27.53	276	12022	0.382	ng		98

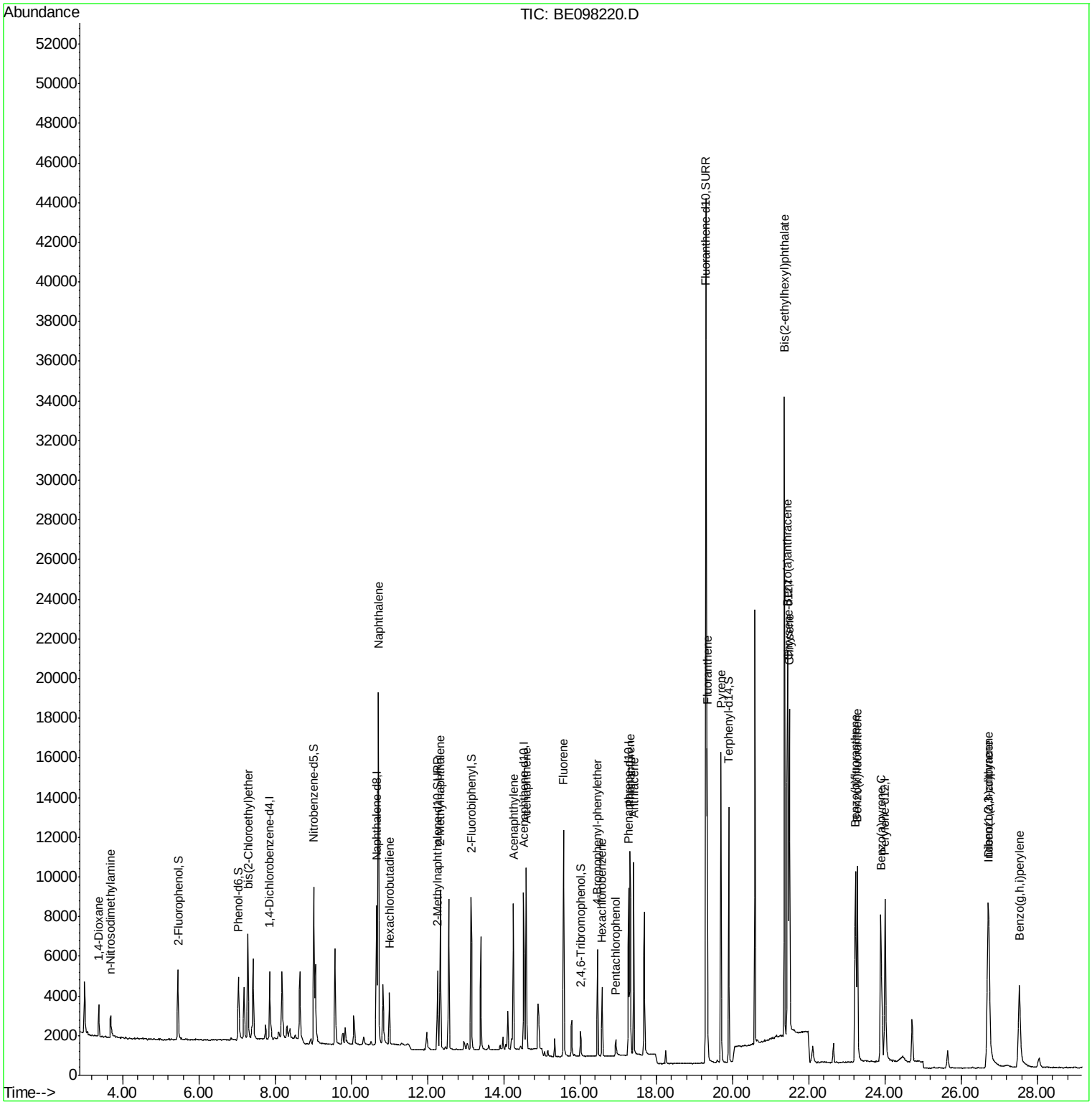
(#) = qualifier out of range (m) = manual integration (+) = signals summed

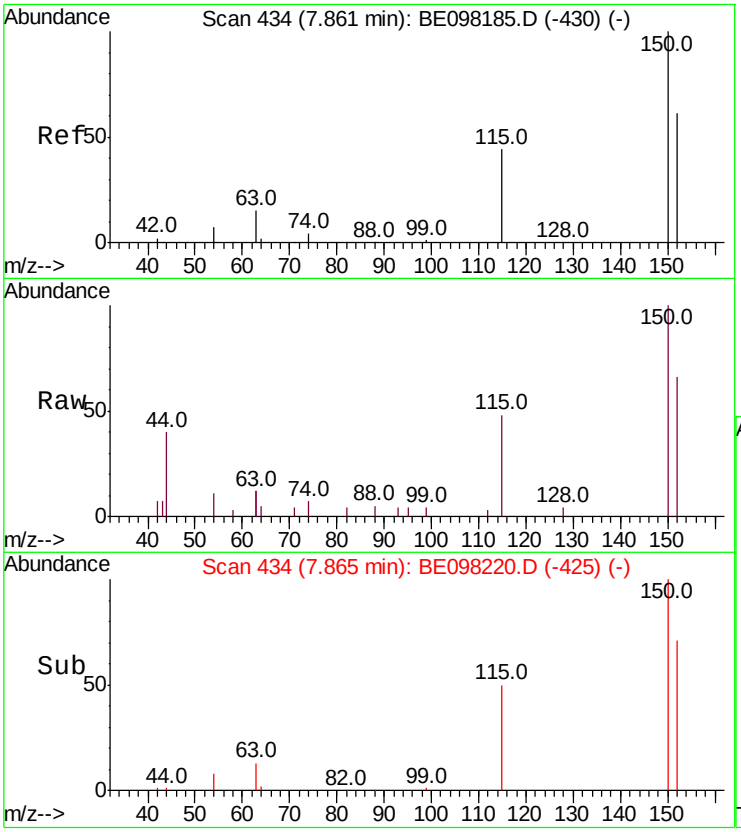
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111318\
Data File : BE098220.D
Acq On : 13 Nov 2018 22:11
Operator : SJ/JU
Sample : PB114778BSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Quant Time: Nov 14 00:08:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 12 13:32:15 2018
Response via : Initial Calibration



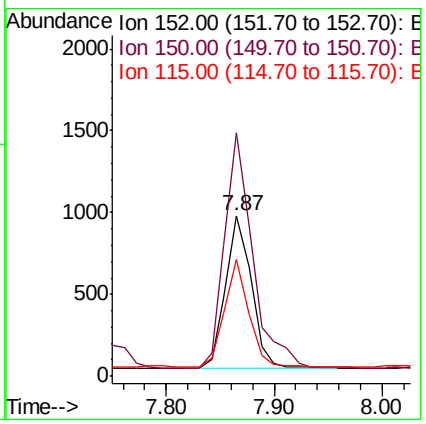


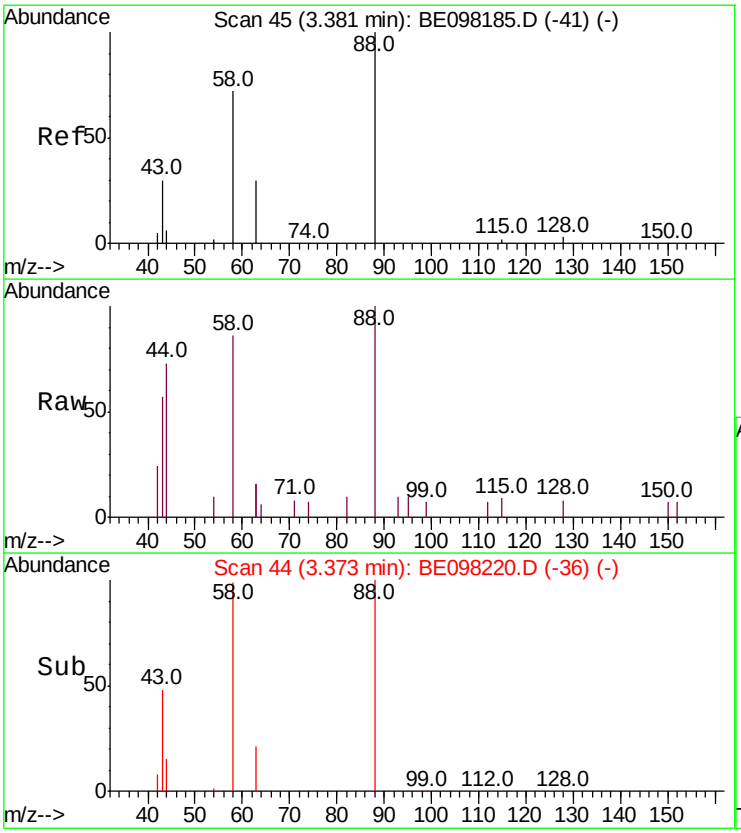
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion:152 Resp: 1553

Ion	Ratio	Lower	Upper
152	100		
150	151.6	127.5	191.3
115	72.8	60.3	90.5

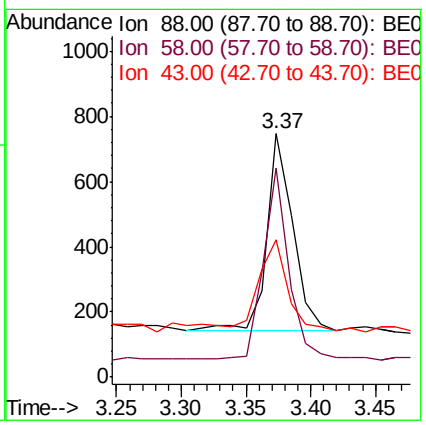


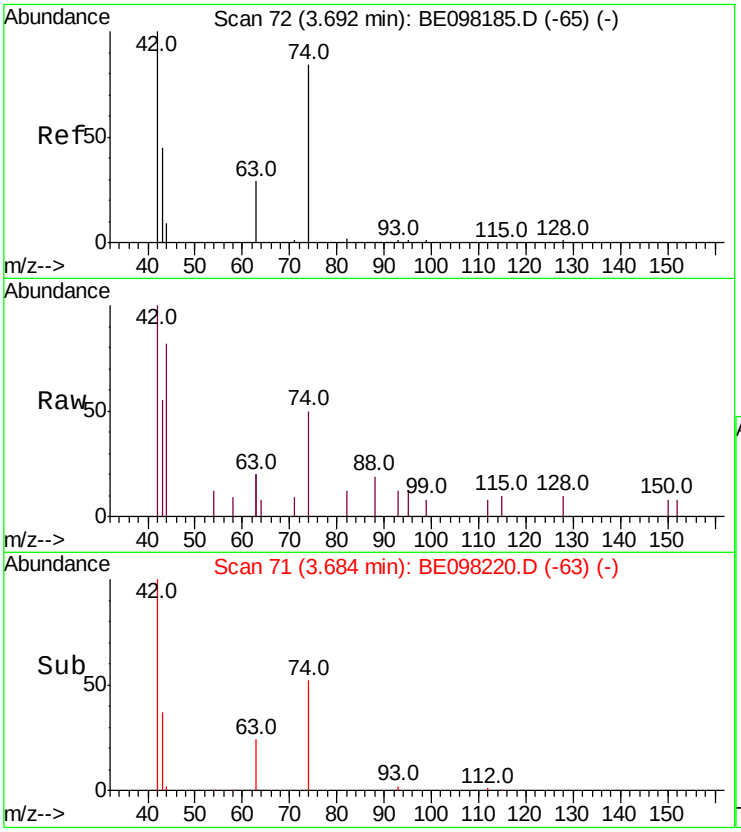


#2
1,4-Dioxane
Concen: 0.365 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion: 88 Resp: 854

Ion	Ratio	Lower	Upper
88	100		
58	92.9	79.0	118.4
43	49.6	38.1	57.1



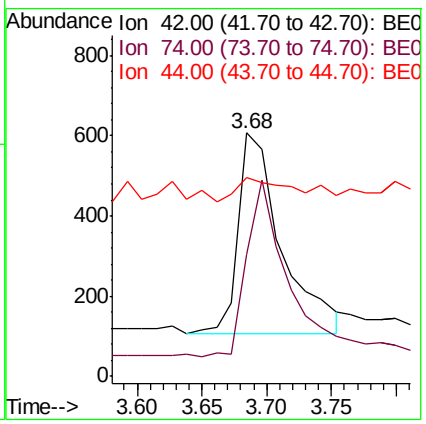


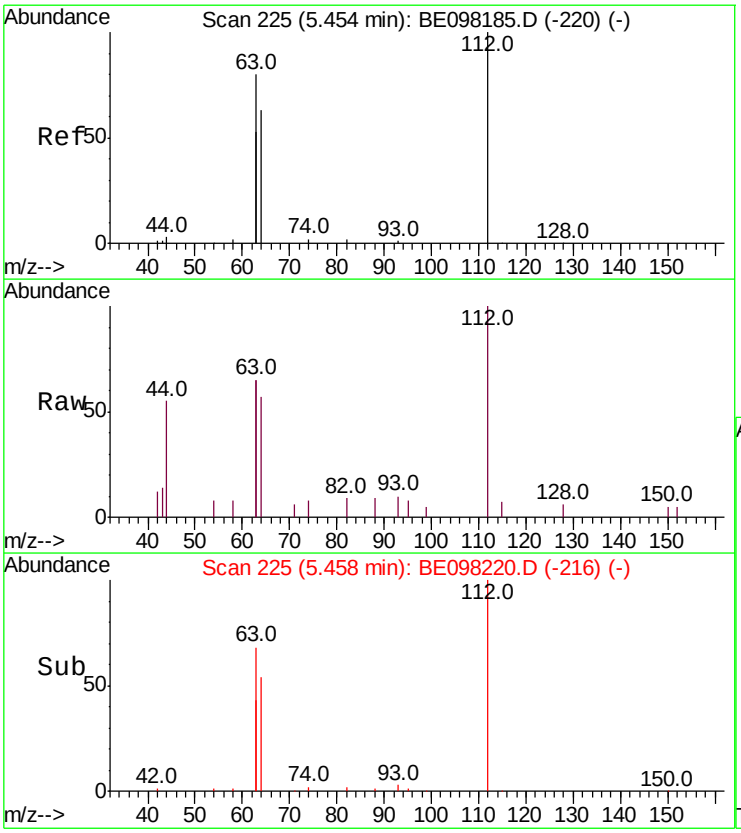
#3
n-Nitrosodimethylamine
Concen: 0.382 ng
RT: 3.68 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion: 42 Resp: 1164

Ion	Ratio	Lower	Upper
42	100		
74	81.0	61.7	92.5
44	13.2	14.0	21.0#

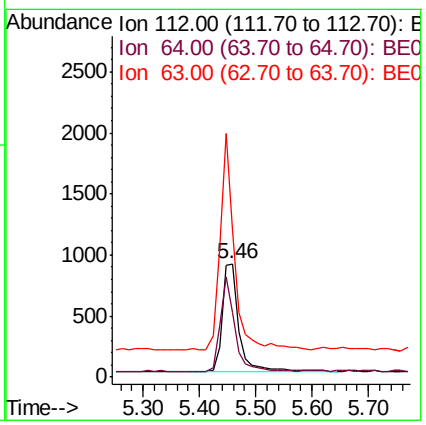


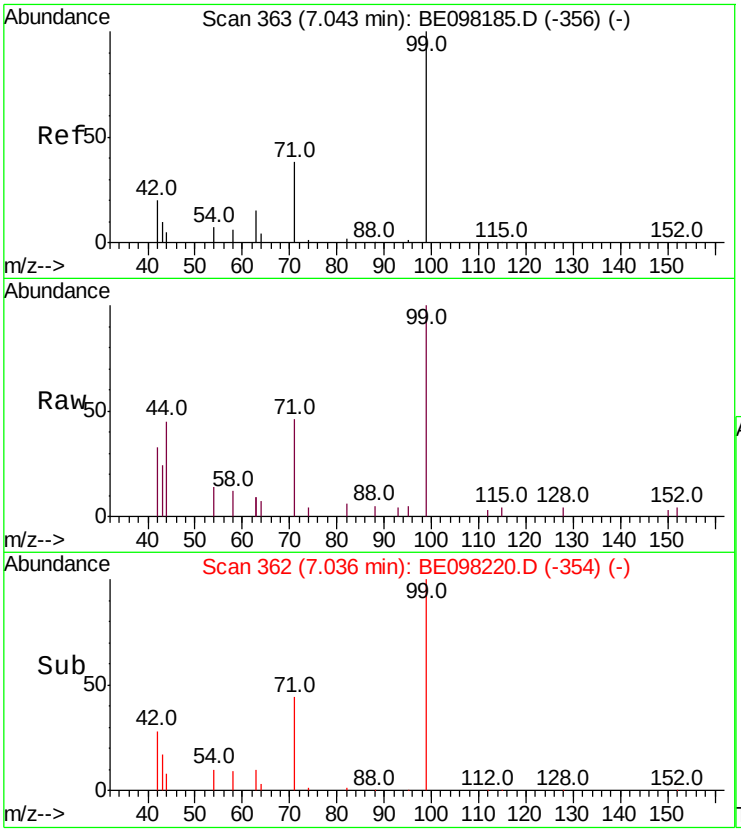


#4
2-Fluorophenol
Concen: 0.419 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion:112 Resp: 1836

Ion	Ratio	Lower	Upper
112	100		
64	75.3	61.7	92.5
63	167.9	136.2	204.2



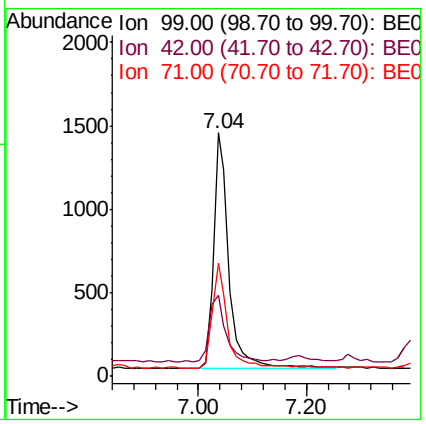


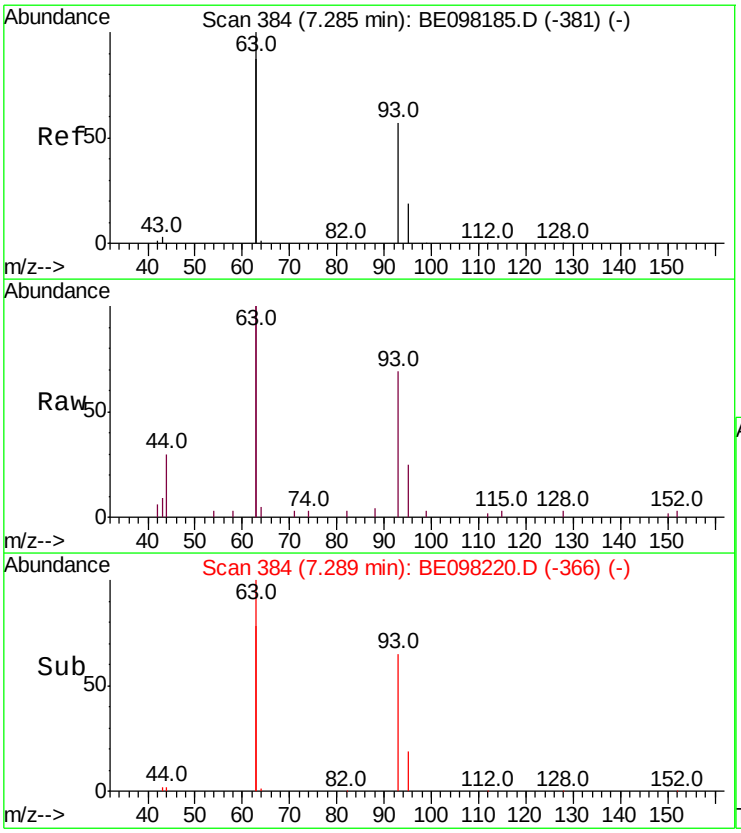
#5
Phenol-d6
Concen: 0.407 ng
RT: 7.04 min Scan# 362
Delta R.T. -0.01 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion: 99 Resp: 2868

Ion	Ratio	Lower	Upper
99	100		
42	30.1	27.1	40.7
71	43.4	37.0	55.6

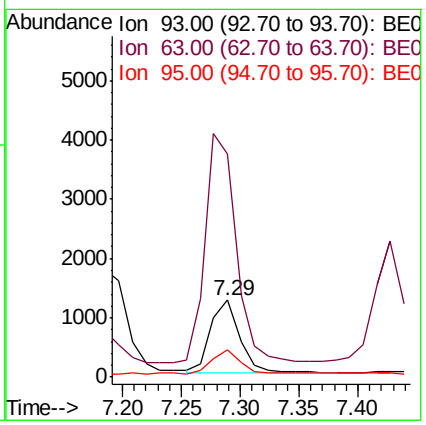


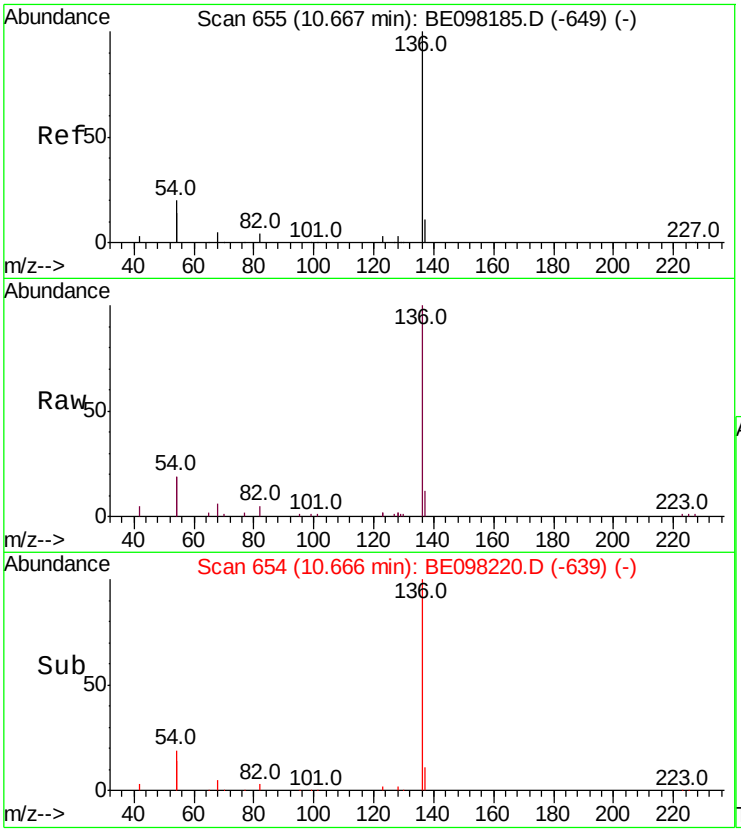


#6
bis(2-Chloroethyl)ether
Concen: 0.375 ng
RT: 7.29 min Scan# 384
Delta R.T. 0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion: 93 Resp: 2133

Ion	Ratio	Lower	Upper
93	100		
63	333.8	272.6	409.0
95	33.8	27.1	40.7



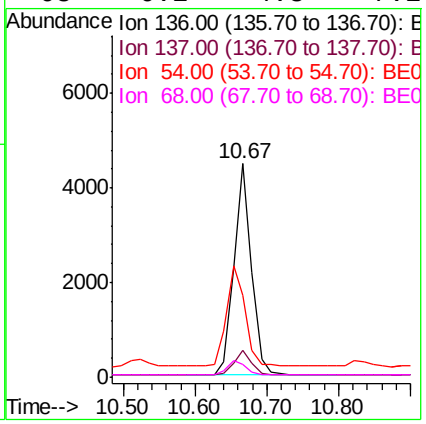


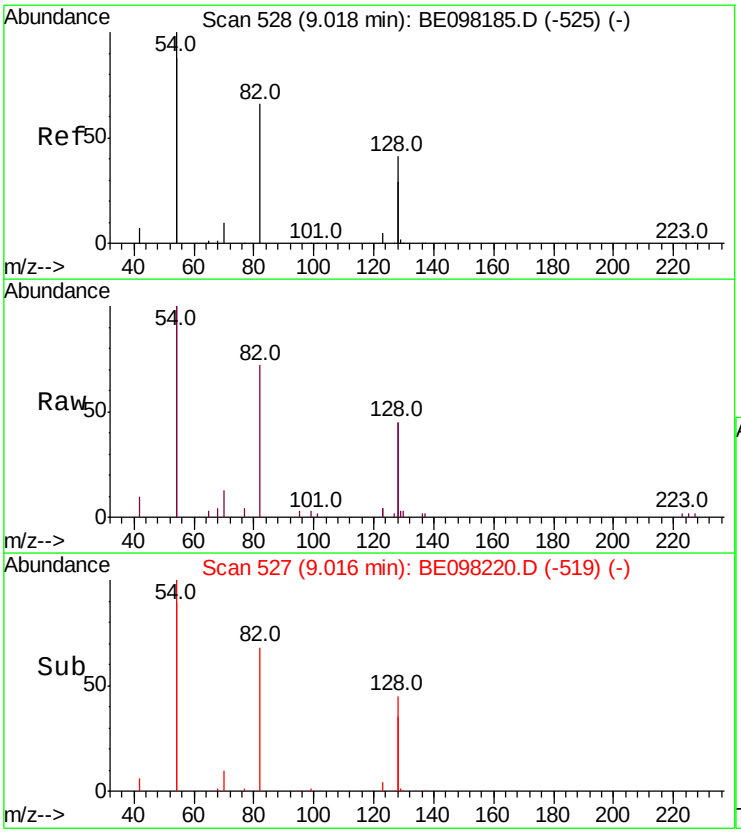
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.67 min Scan# 654
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion:136 Resp: 7567

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.5	14.3
54	38.5	31.3	46.9
68	6.2	4.8	7.2

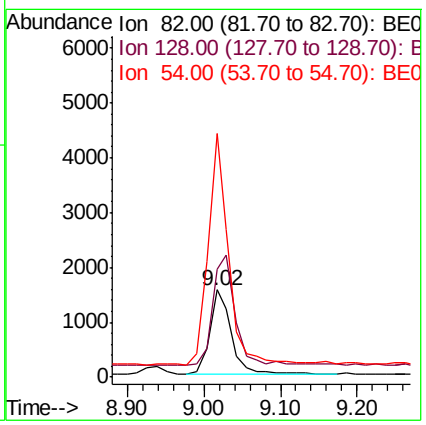


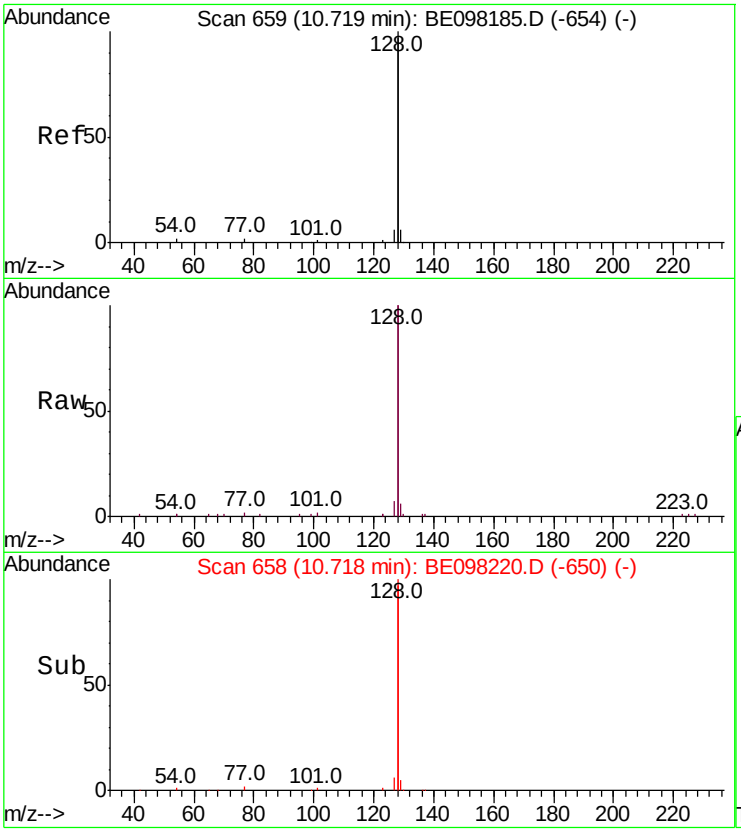


#8
Nitrobenzene-d5
Concen: 0.396 ng
RT: 9.02 min Scan# 527
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion: 82 Resp: 2989

Ion	Ratio	Lower	Upper
82	100		
128	124.5	96.1	144.1
54	279.5	232.0	348.0



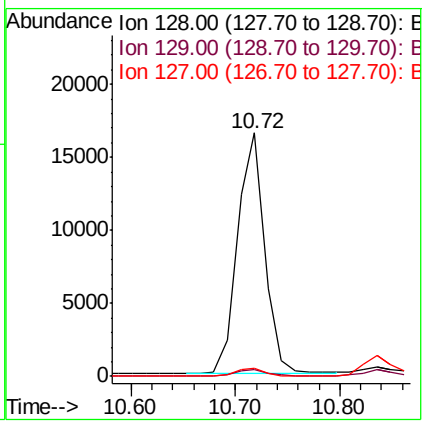


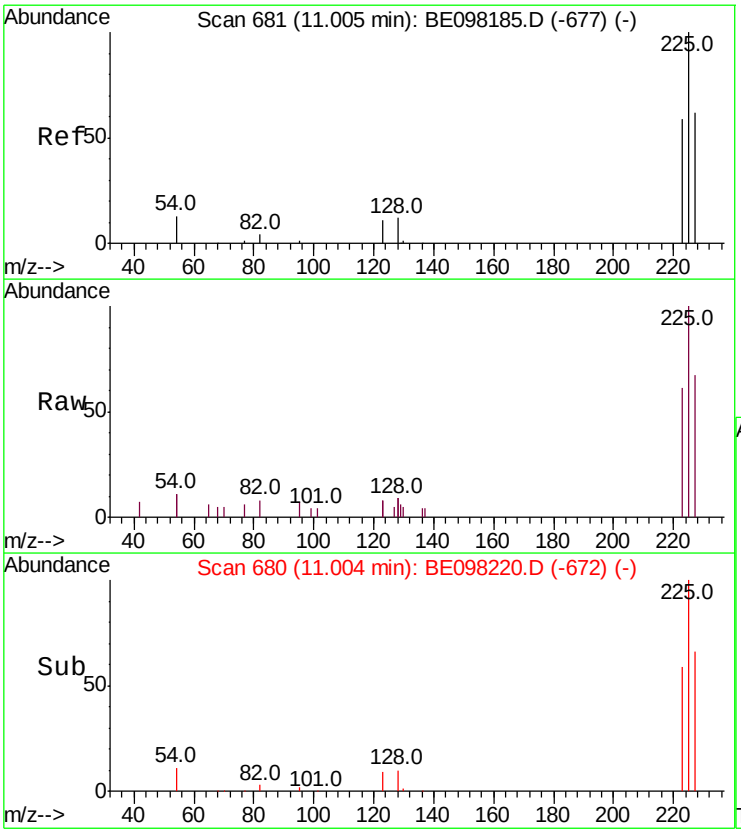
#9
Naphthalene
Concen: 0.387 ng
RT: 10.72 min Scan# 658
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion:128 Resp: 29752

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.6	4.0
127	3.3	2.8	4.2

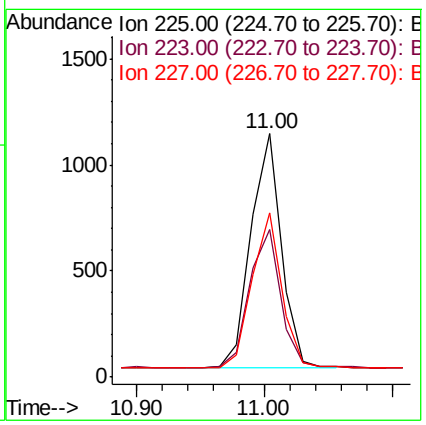


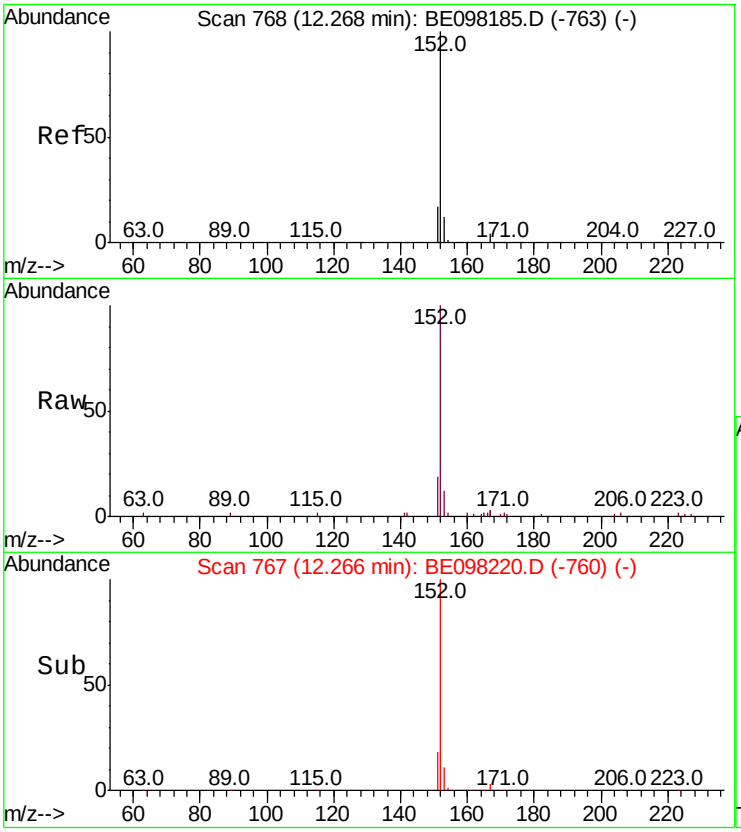


#10
Hexachlorobutadiene
Concen: 0.381 ng
RT: 11.00 min Scan# 680
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion:225 Resp: 1821

Ion	Ratio	Lower	Upper
225	100		
223	60.2	50.5	75.7
227	64.3	50.3	75.5



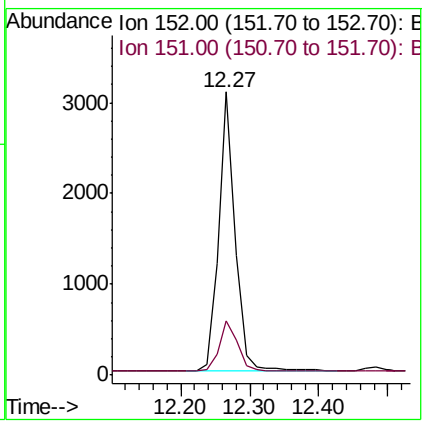


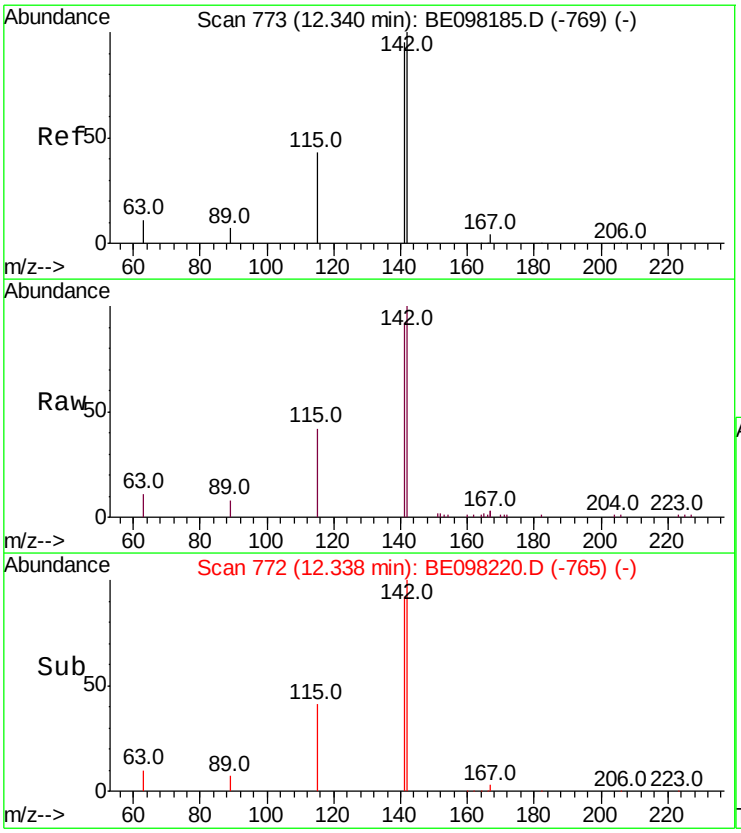
#11
2-Methylnaphthalene-d10
Concen: 0.385 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion:152 Resp: 5107

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.4	23.2

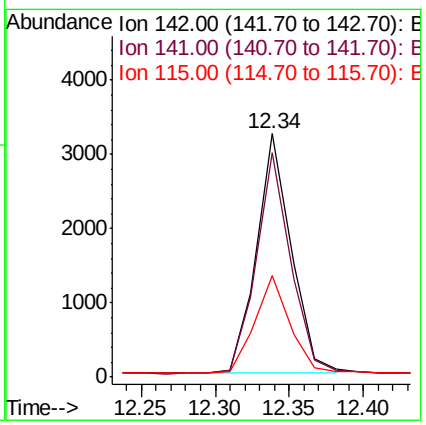


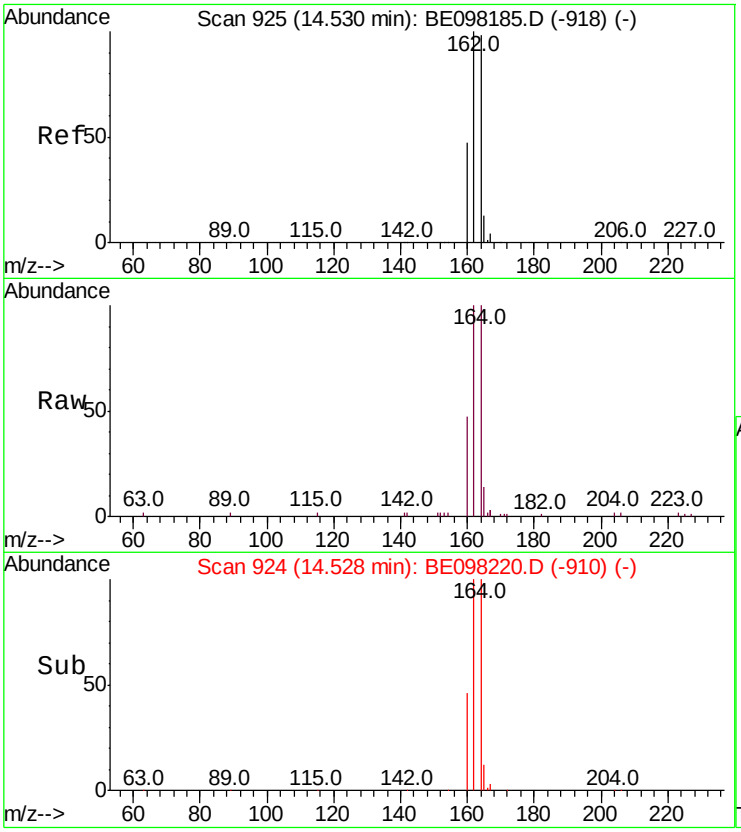


#12
2-Methylnaphthalene
Concen: 0.391 ng
RT: 12.34 min Scan# 772
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion:142 Resp: 5226

Ion	Ratio	Lower	Upper
142	100		
141	92.0	76.3	114.5
115	41.9	35.8	53.8



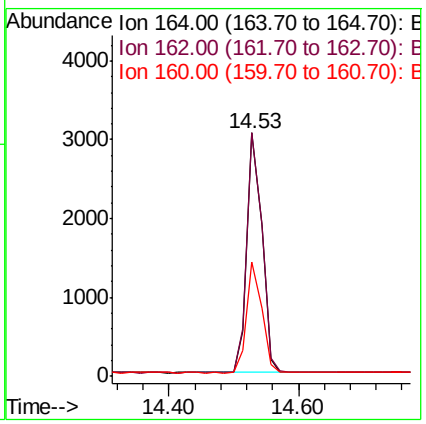


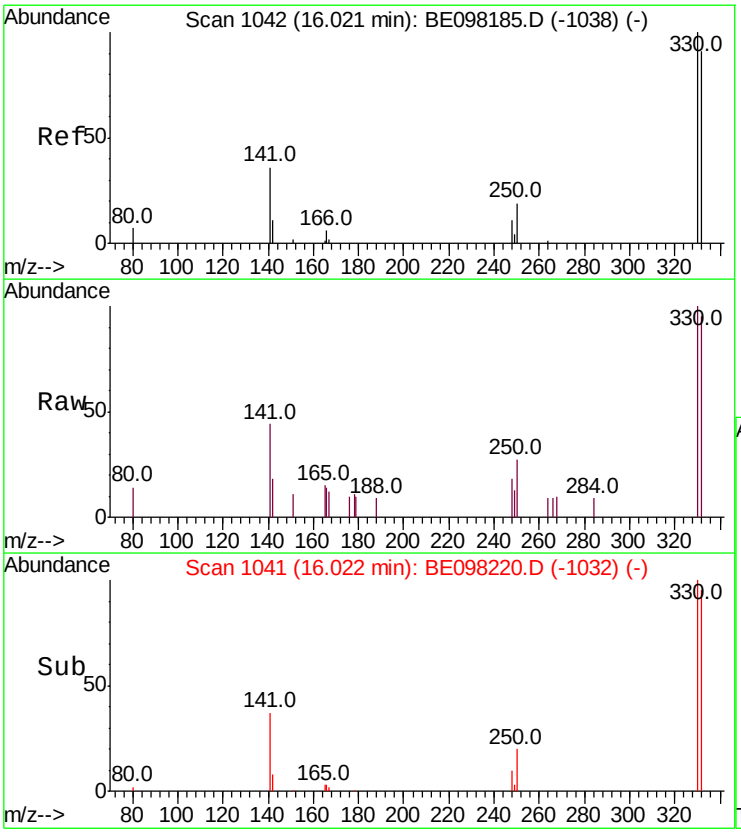
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion:164 Resp: 4899

Ion	Ratio	Lower	Upper
164	100		
162	99.8	81.8	122.6
160	47.1	39.4	59.0

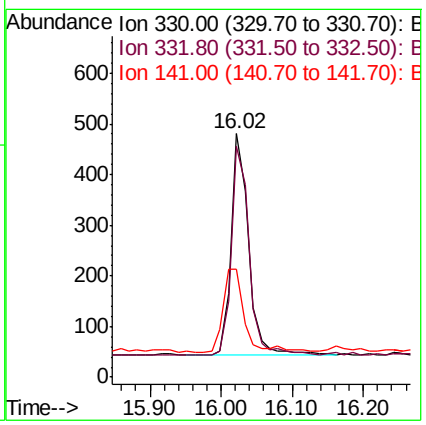


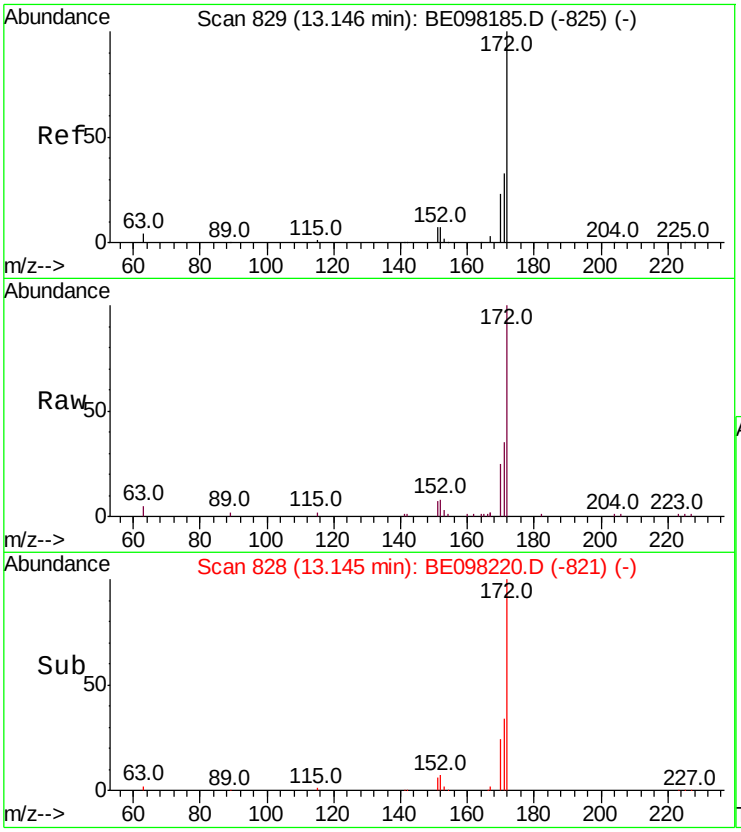


#14
2,4,6-Tribromophenol
Concen: 0.354 ng
RT: 16.02 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion:330 Resp: 756

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.7	116.5
141	42.3	33.6	50.4



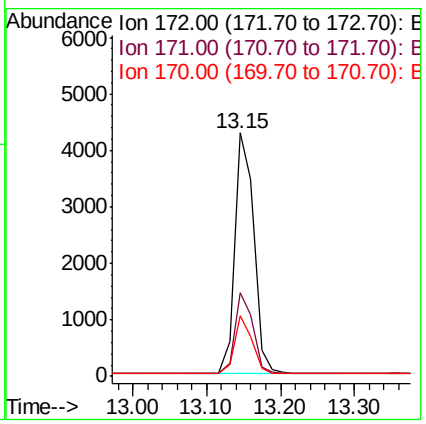


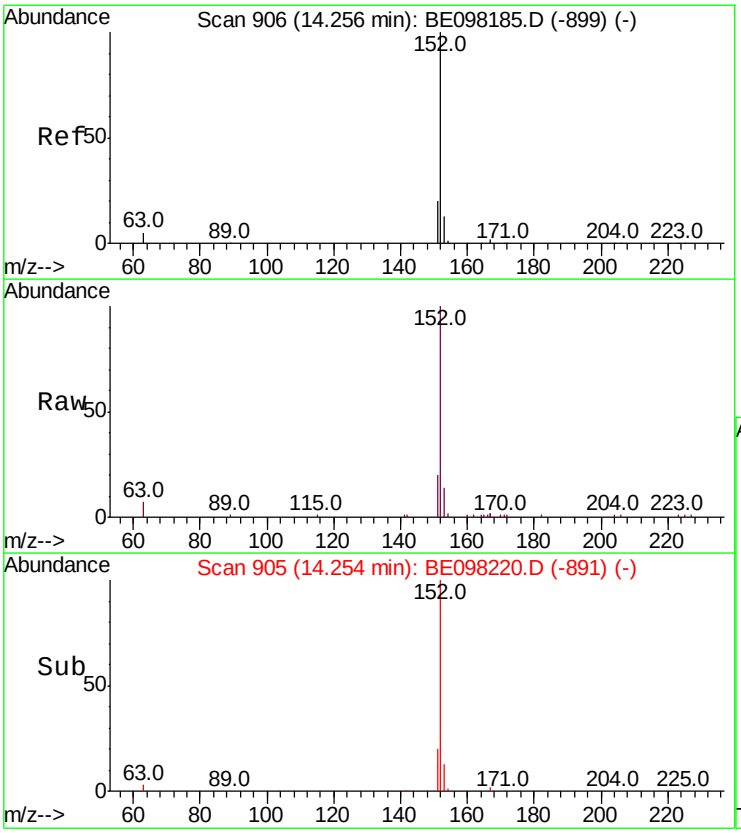
#15
2-Fluorobiphenyl
Concen: 0.375 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion:172 Resp: 7687

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.3	40.9
170	25.0	19.4	29.0

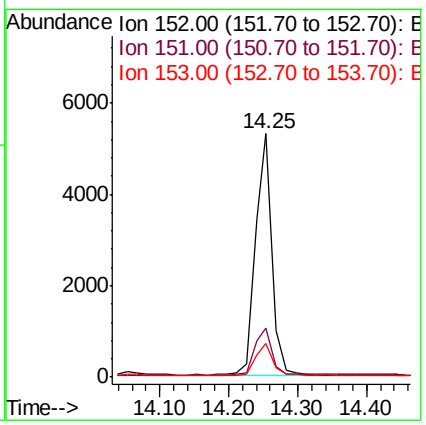


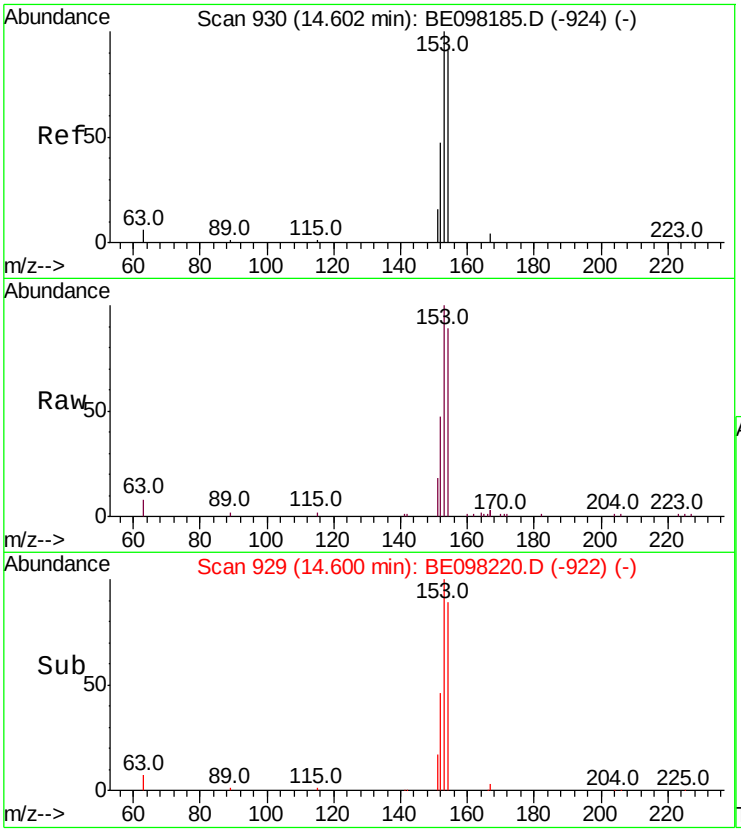


#16
Acenaphthylene
Concen: 0.392 ng
RT: 14.25 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion:152 Resp: 8813

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.4	24.6
153	13.2	10.6	15.8



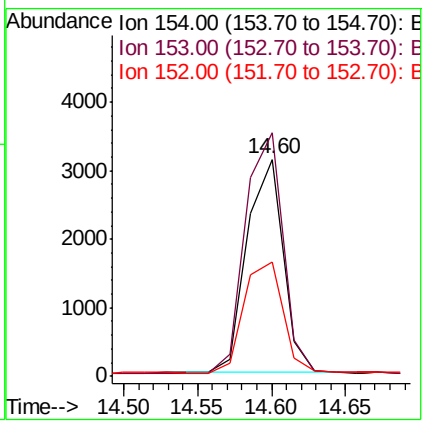


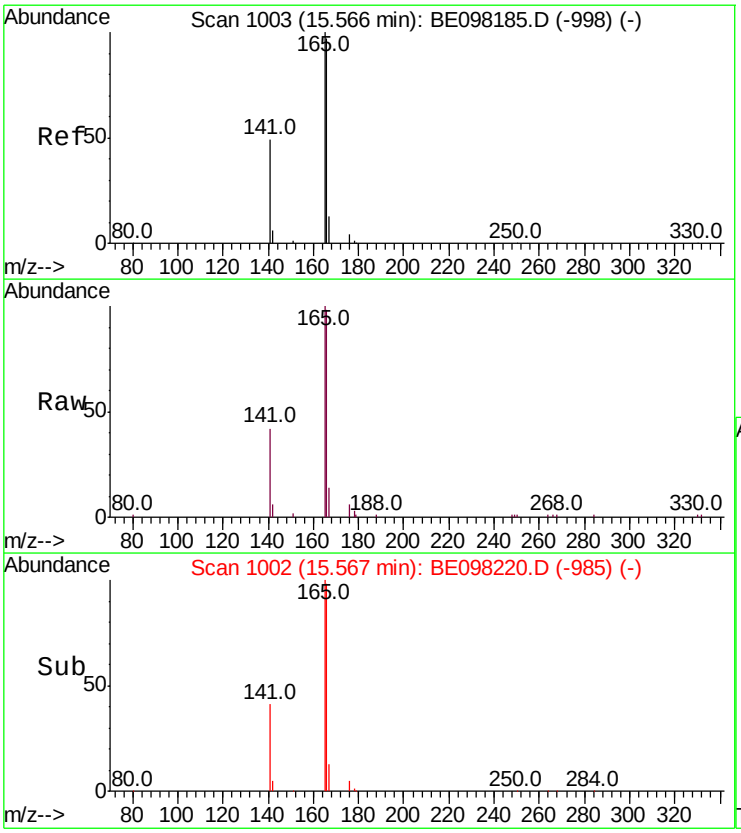
#17
Acenaphthene
Concen: 0.384 ng
RT: 14.60 min Scan# 929
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion:154 Resp: 5263

Ion	Ratio	Lower	Upper
154	100		
153	117.7	92.1	138.1
152	56.5	46.2	69.2

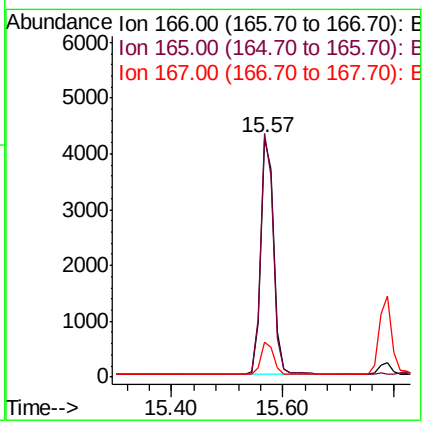


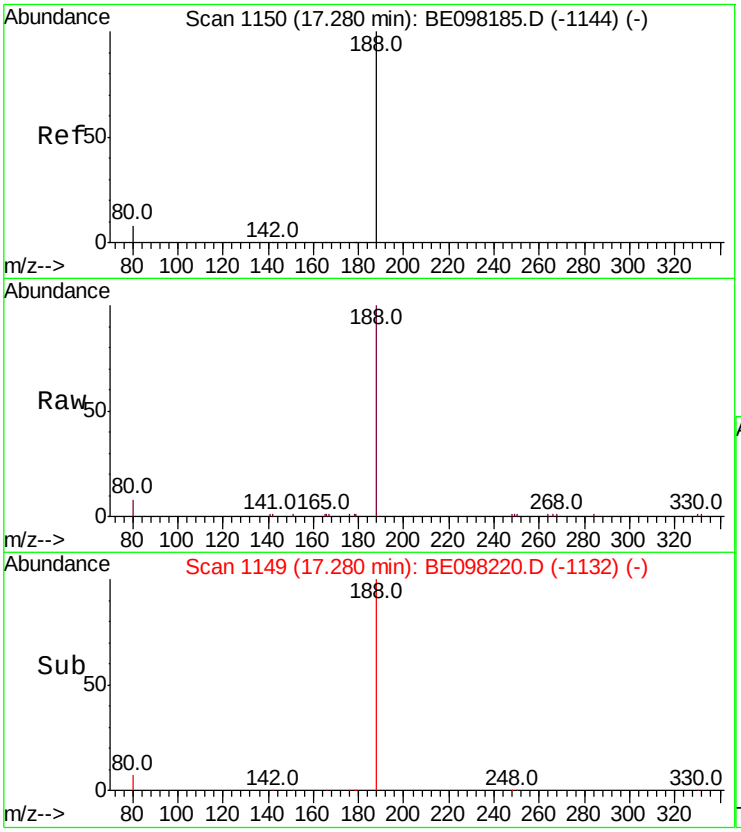


#18
Fluorene
Concen: 0.392 ng
RT: 15.57 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion:166 Resp: 6881

Ion	Ratio	Lower	Upper
166	100		
165	99.4	80.1	120.1
167	13.8	10.8	16.2



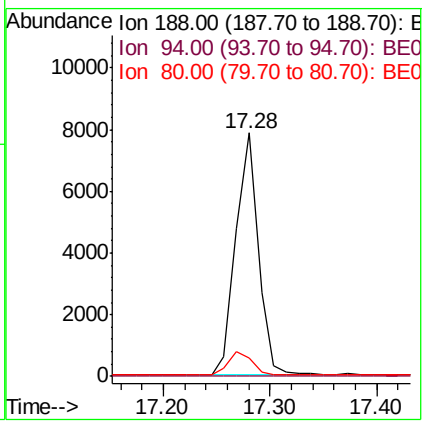


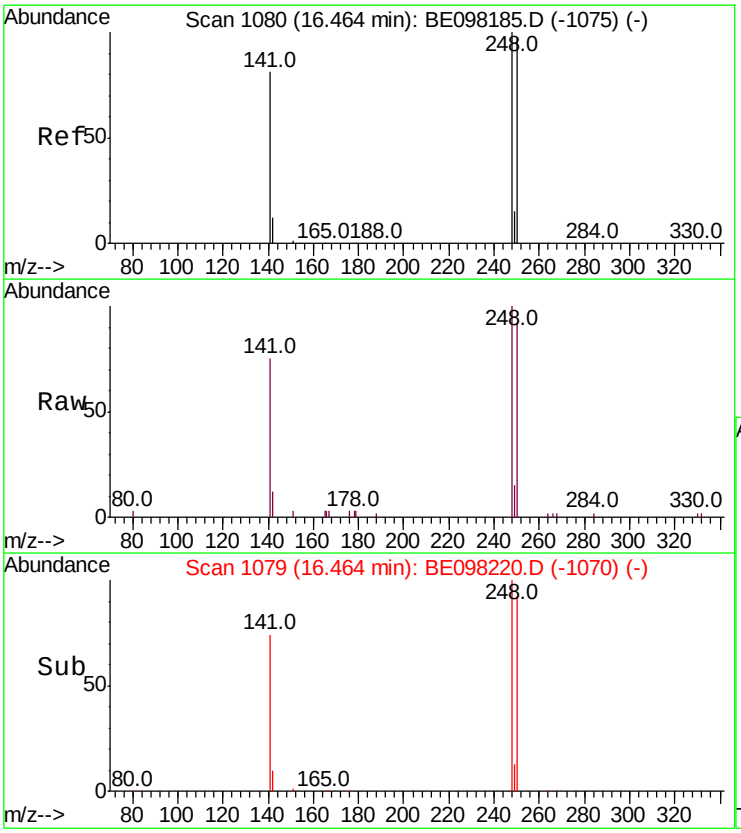
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.28 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion:188 Resp: 11487

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.6	6.7	10.1

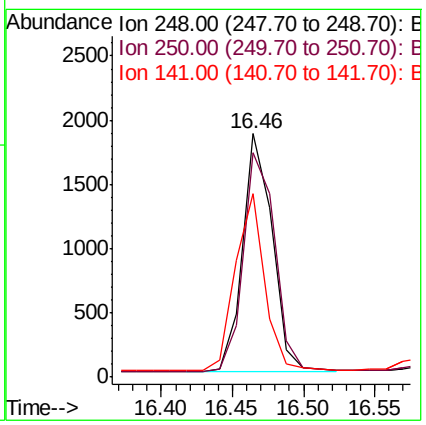


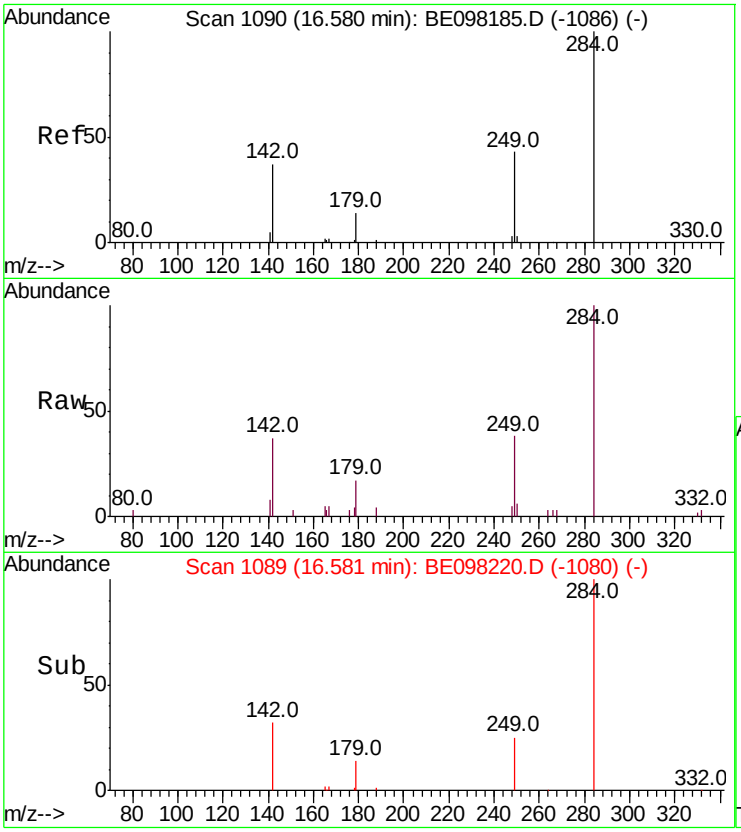


#20
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 16.46 min Scan# 1079
Delta R.T. 0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion:248 Resp: 2664

Ion	Ratio	Lower	Upper
248	100		
250	92.3	77.6	116.4
141	75.3	65.8	98.8



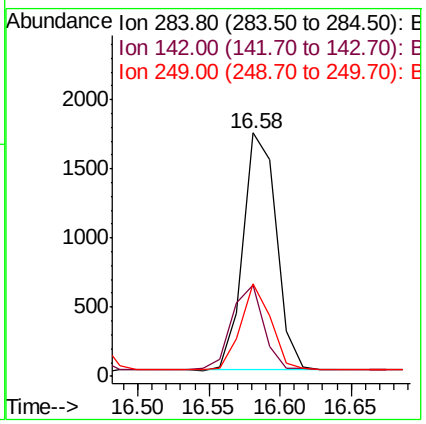


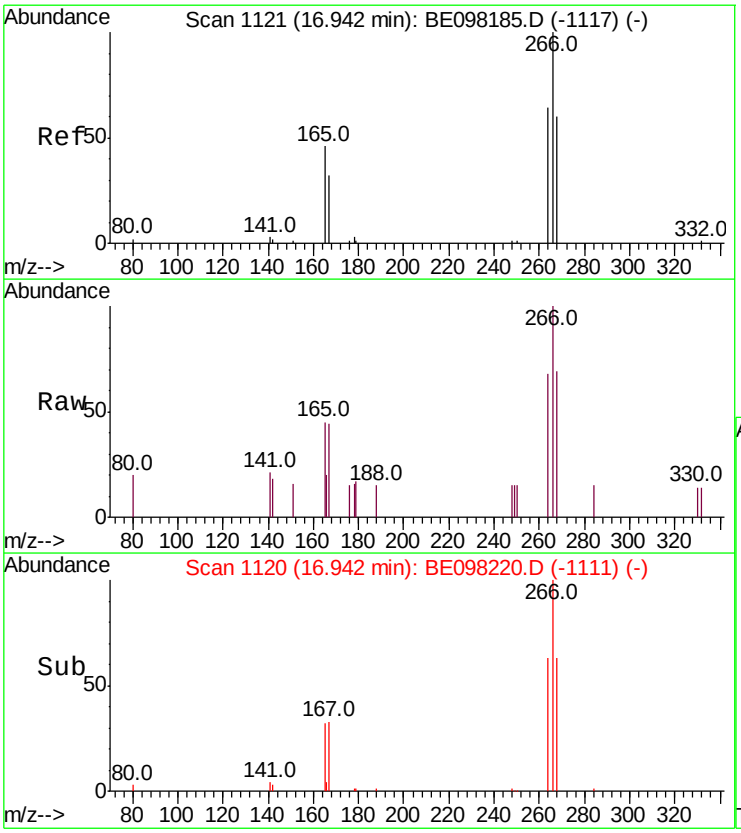
#21
Hexachlorobenzene
Concen: 0.383 ng
RT: 16.58 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion:284 Resp: 2786

Ion	Ratio	Lower	Upper
284	100		
142	34.4	26.5	39.7
249	33.5	28.4	42.6

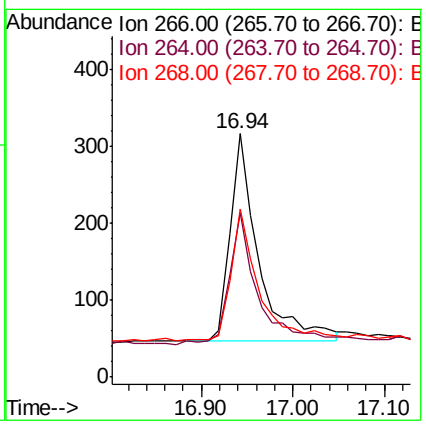


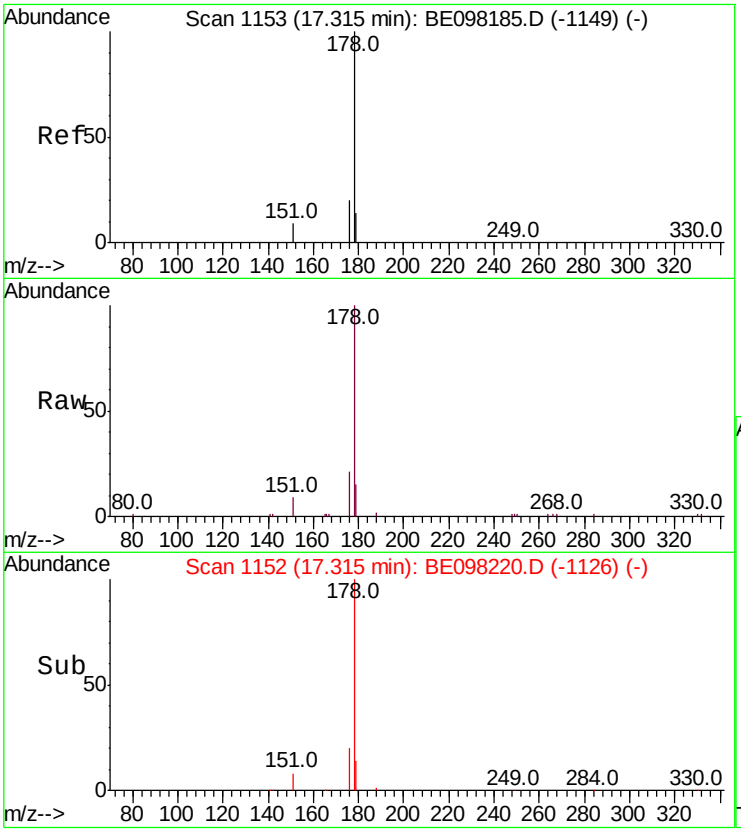


#22
Pentachlorophenol
Concen: 0.442 ng
RT: 16.94 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion:266 Resp: 588

Ion	Ratio	Lower	Upper
266	100		
264	67.5	57.6	86.4
268	68.8	56.8	85.2



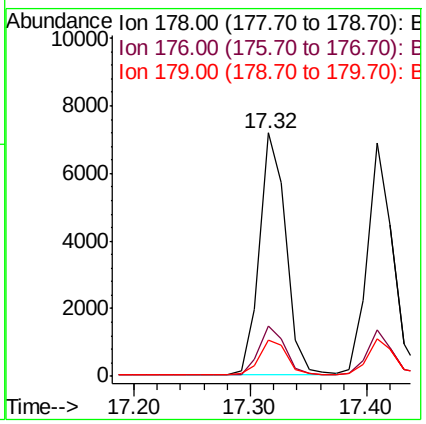


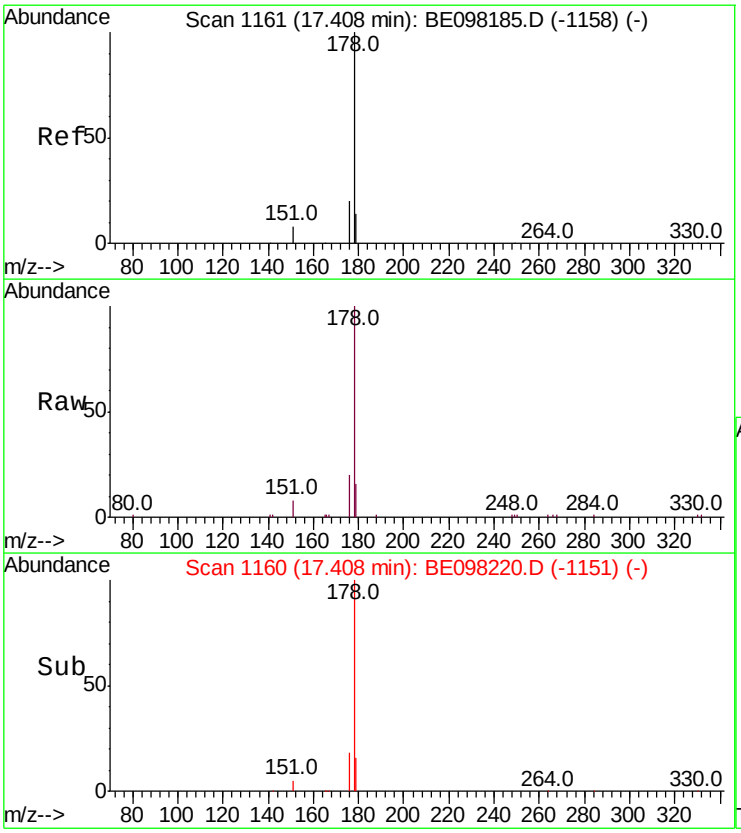
#23
Phenanthrene
Concen: 0.395 ng
RT: 17.32 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion:178 Resp: 11295

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	14.9	12.3	18.5

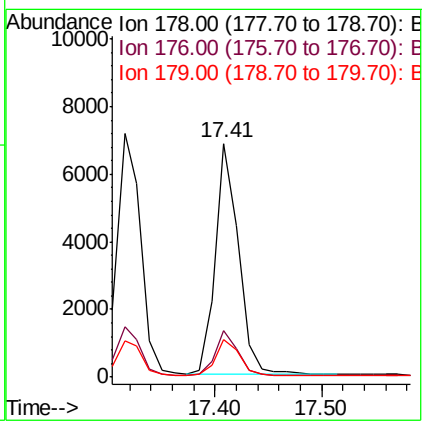


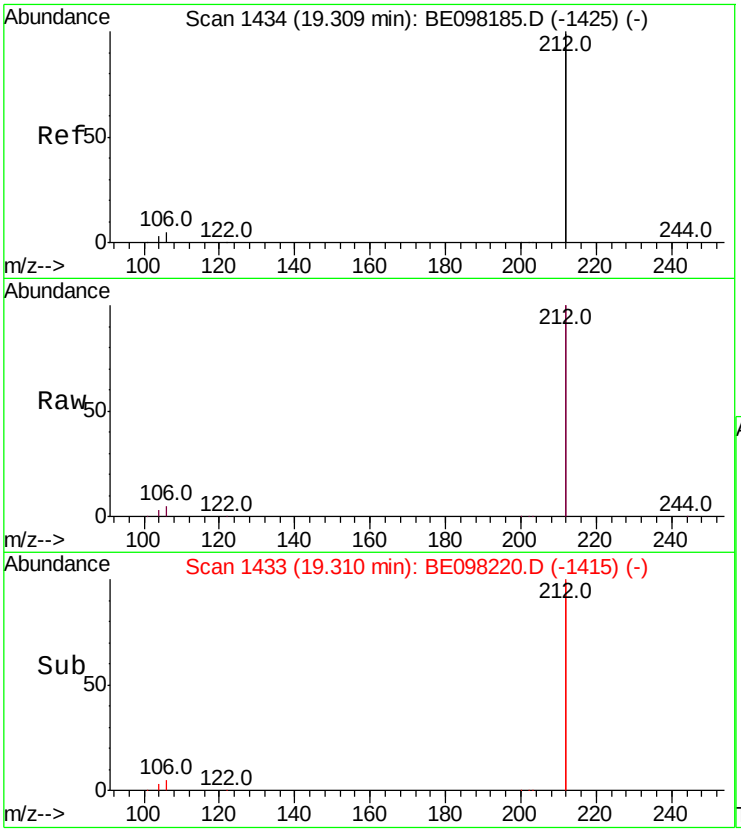


#24
Anthracene
Concen: 0.388 ng
RT: 17.41 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion:178 Resp: 10345

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.7	23.5
179	15.8	12.1	18.1



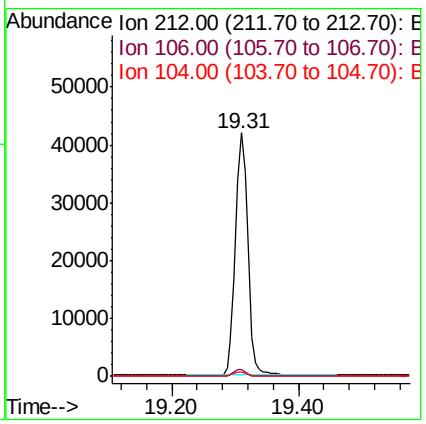


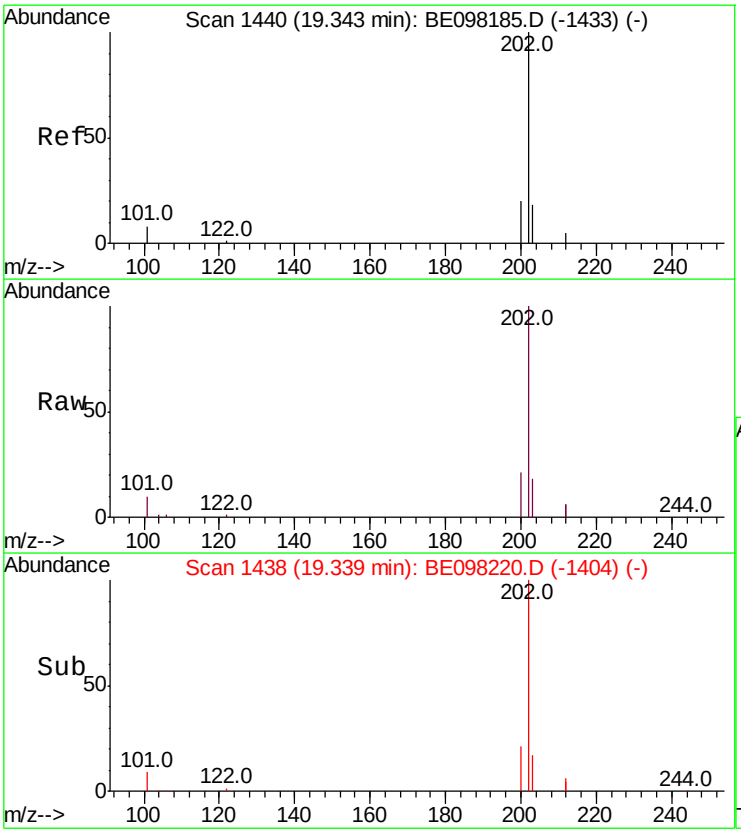
#25
Fluoranthene-d10
Concen: 0.398 ng
RT: 19.31 min Scan# 1433
Delta R.T. 0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion:212 Resp: 57081

Ion	Ratio	Lower	Upper
212	100		
106	2.6	1.8	2.8
104	1.5	1.1	1.7

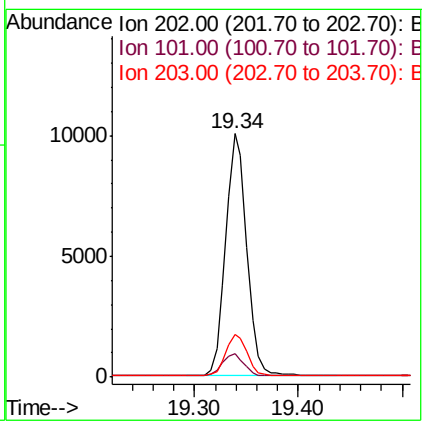


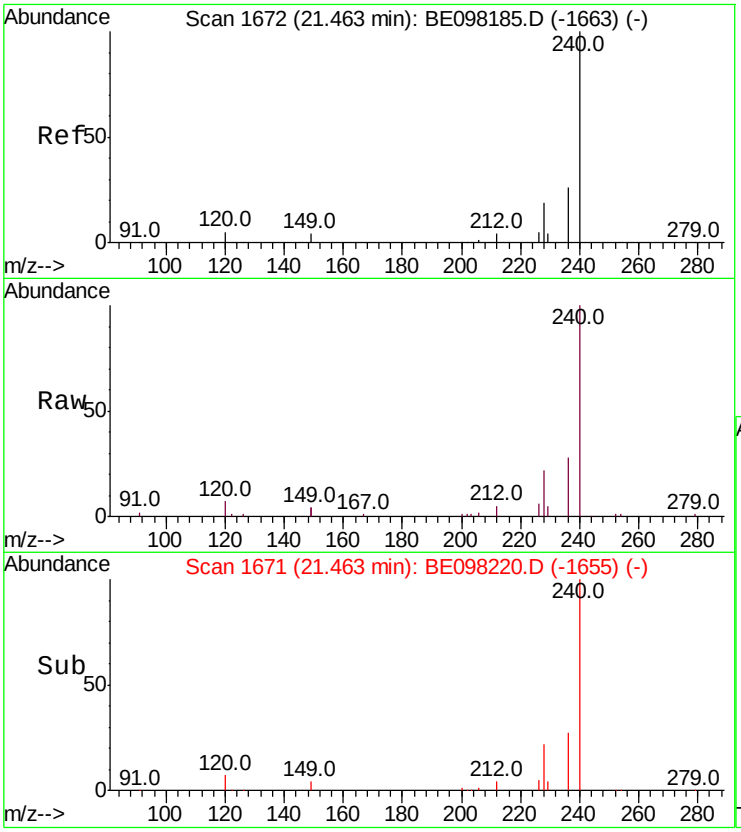


#26
Fluoranthene
Concen: 0.398 ng
RT: 19.34 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion:202 Resp: 14101

Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.0	10.6
203	17.2	13.7	20.5



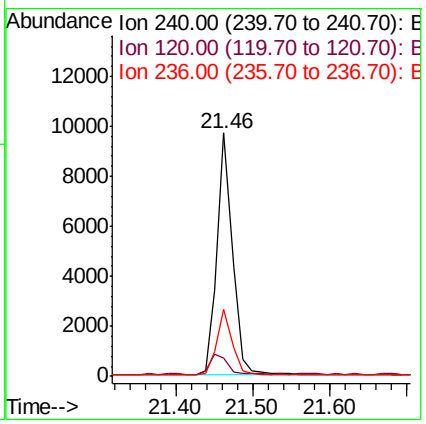


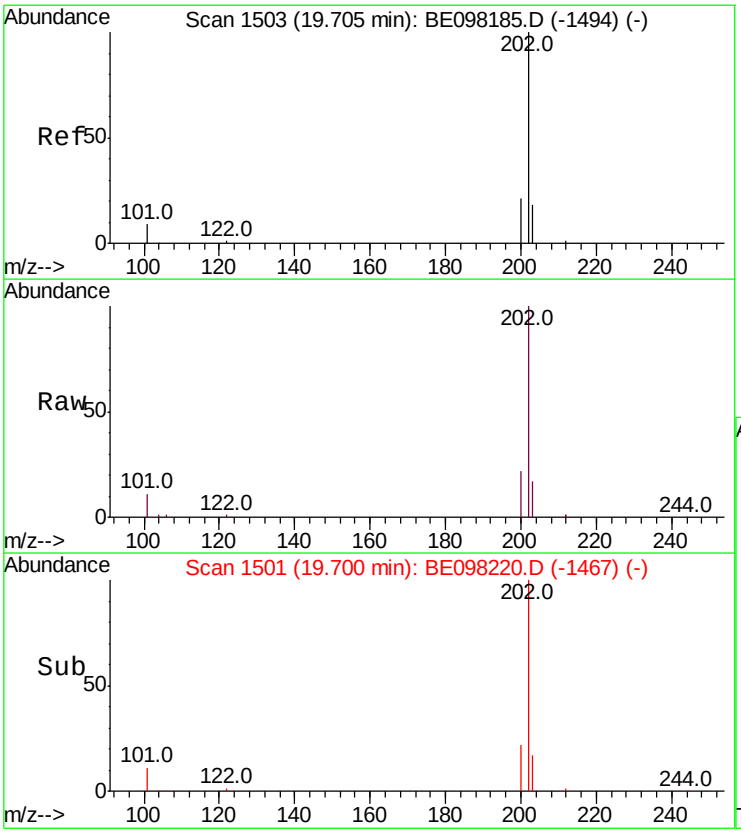
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion:240 Resp: 13631

Ion	Ratio	Lower	Upper
240	100		
120	7.4	4.8	7.2#
236	27.7	21.4	32.0

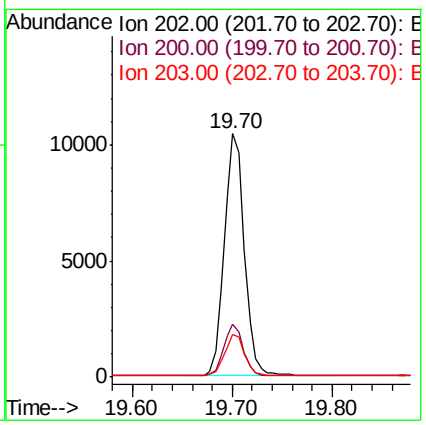


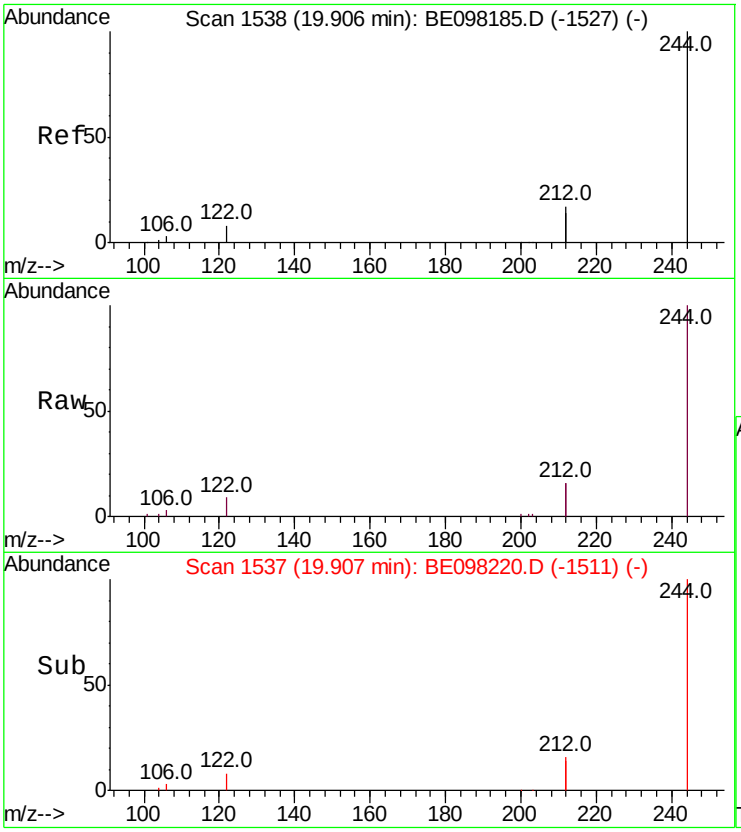


#28
Pyrene
Concen: 0.387 ng
RT: 19.70 min Scan# 1501
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion:202 Resp: 14506

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	17.2	14.2	21.4



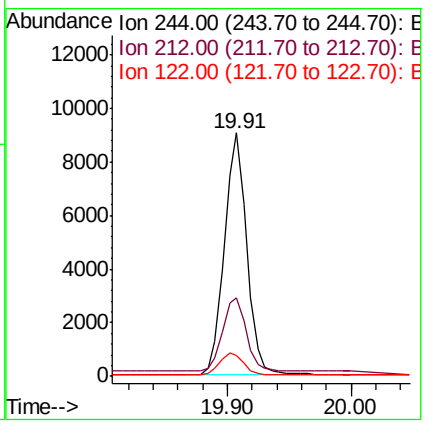


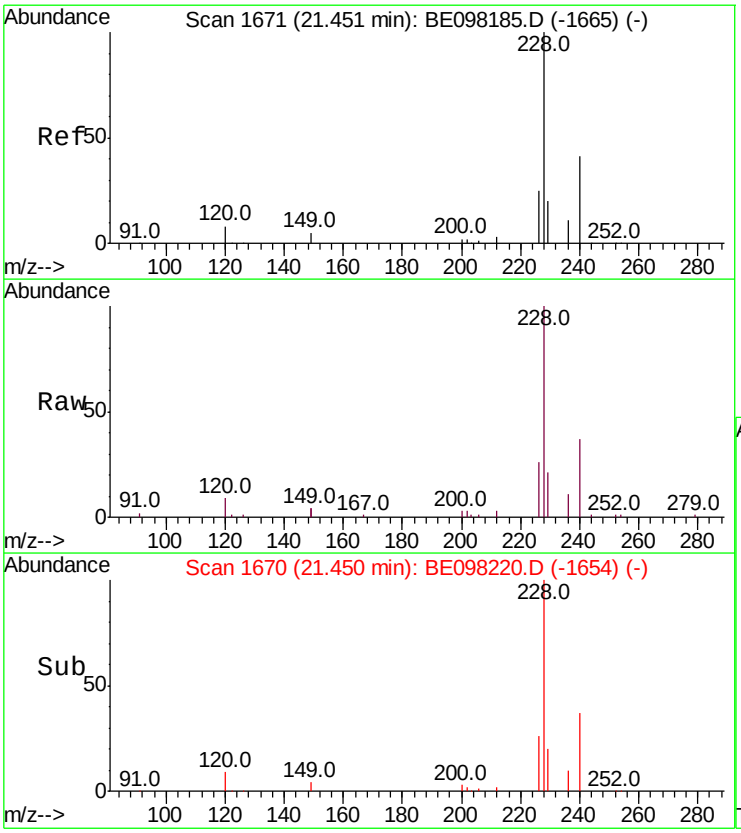
#29
Terphenyl-d14
Concen: 0.369 ng
RT: 19.91 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion:244 Resp: 11411

Ion	Ratio	Lower	Upper
244	100		
212	32.2	26.8	40.2
122	8.8	7.0	10.6

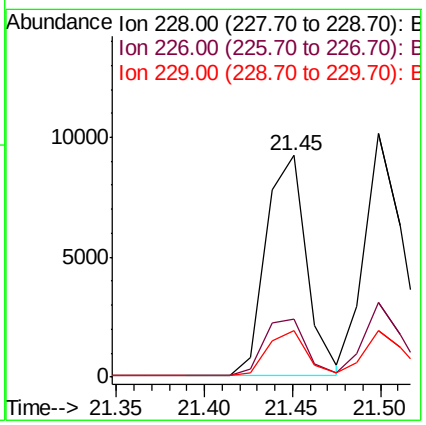


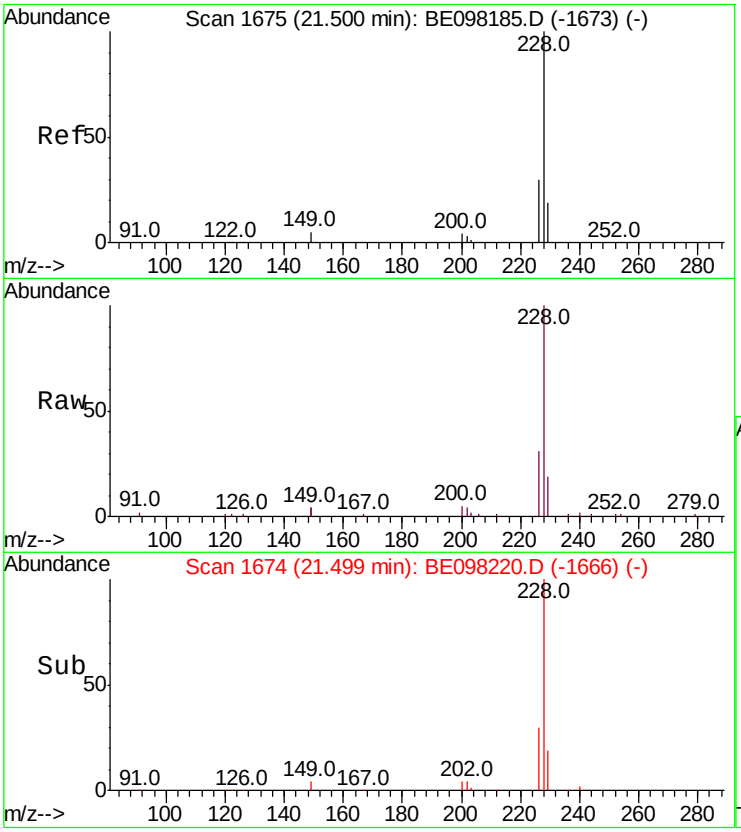


#30
Benzo(a)anthracene
Concen: 0.380 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion:228 Resp: 14716

Ion	Ratio	Lower	Upper
228	100		
226	26.4	20.7	31.1
229	20.8	16.2	24.4



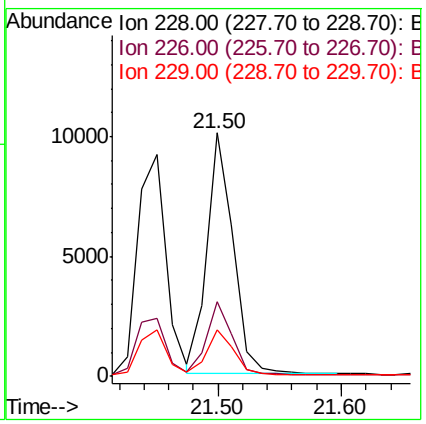


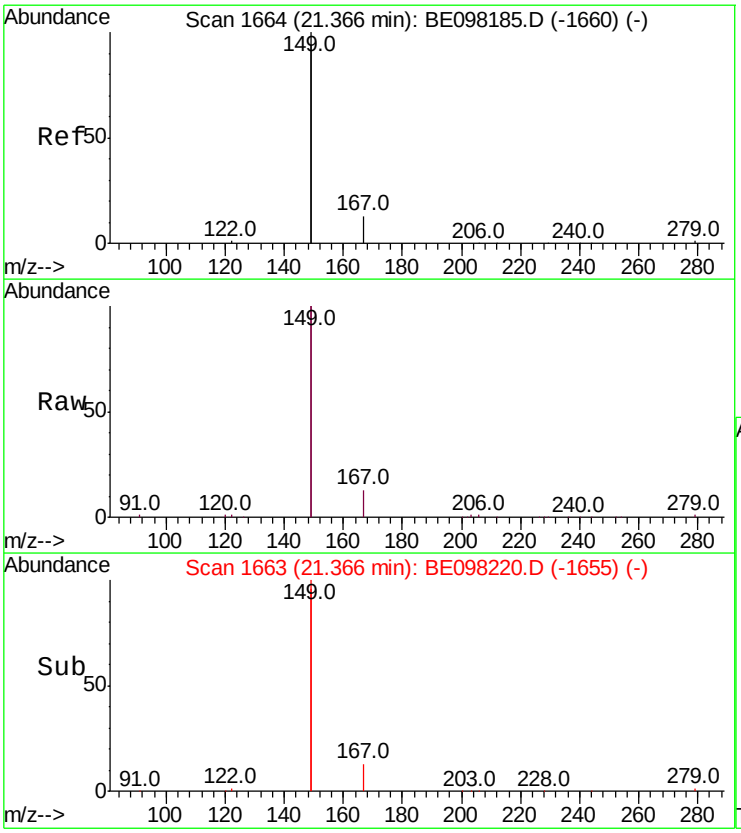
#31
Chrysene
Concen: 0.375 ng
RT: 21.50 min Scan# 1674
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion:228 Resp: 14753

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	36.8
229	19.1	16.0	24.0

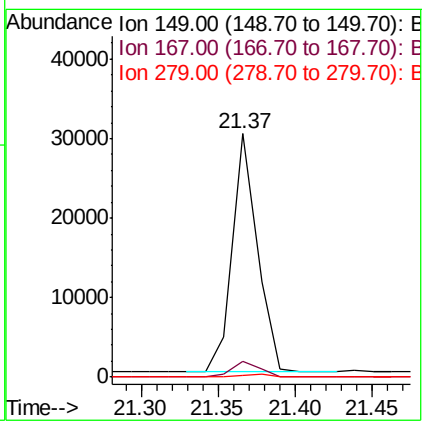


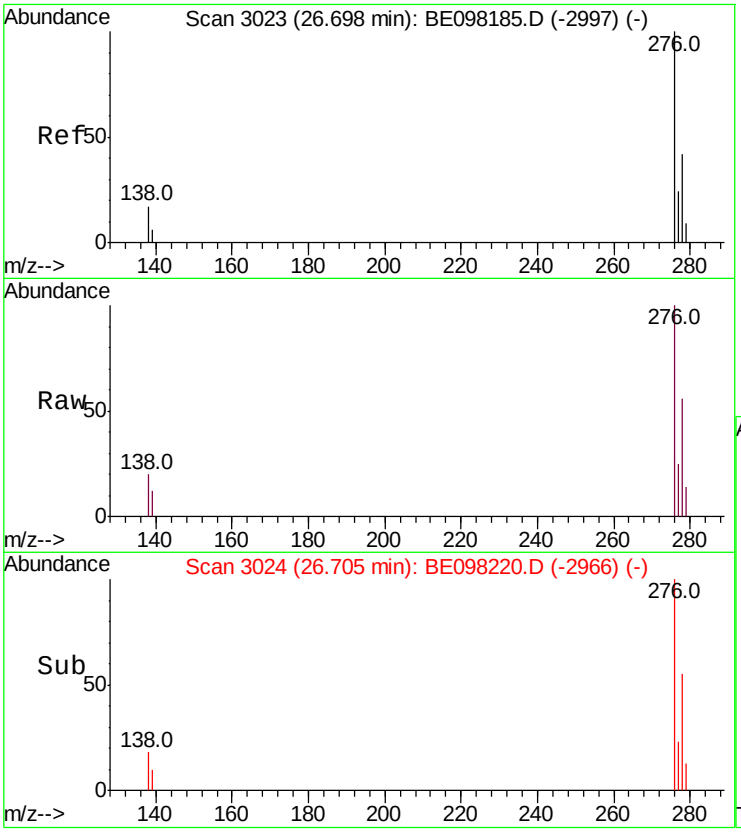


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.421 ng
RT: 21.37 min Scan# 1663
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion:149 Resp: 33843

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.6	8.4
279	1.0	0.9	1.3



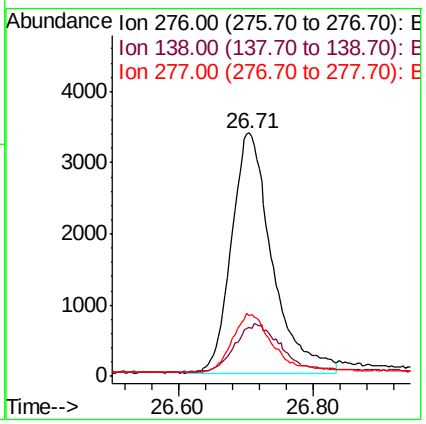


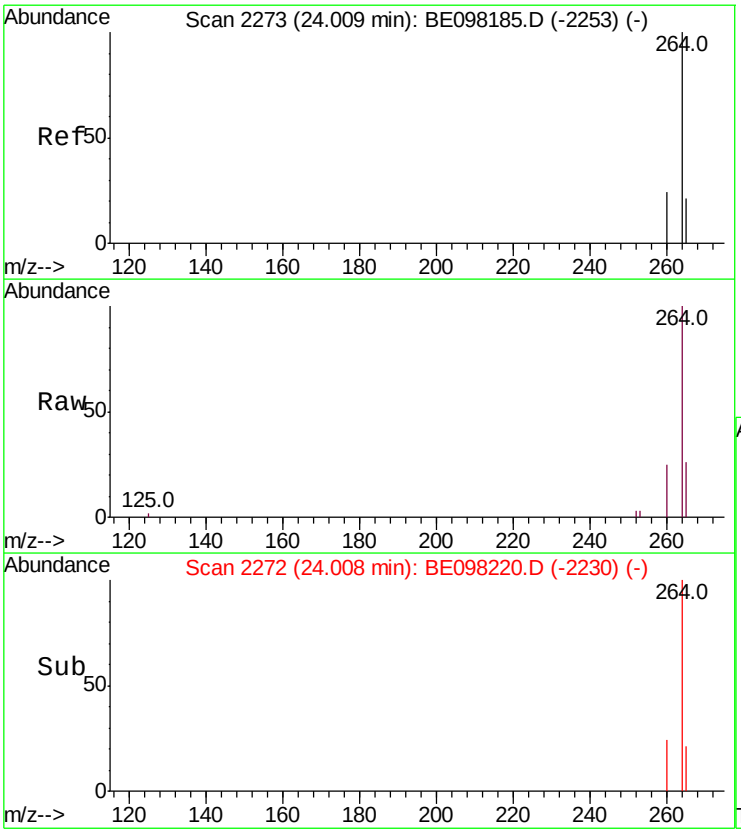
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.391 ng
RT: 26.71 min Scan# 3024
Delta R.T. 0.01 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion:276 Resp: 14094

Ion	Ratio	Lower	Upper
276	100		
138	22.3	6.4	9.6#
277	24.4	18.9	28.3

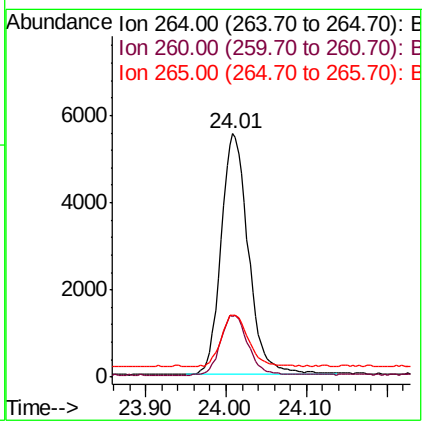


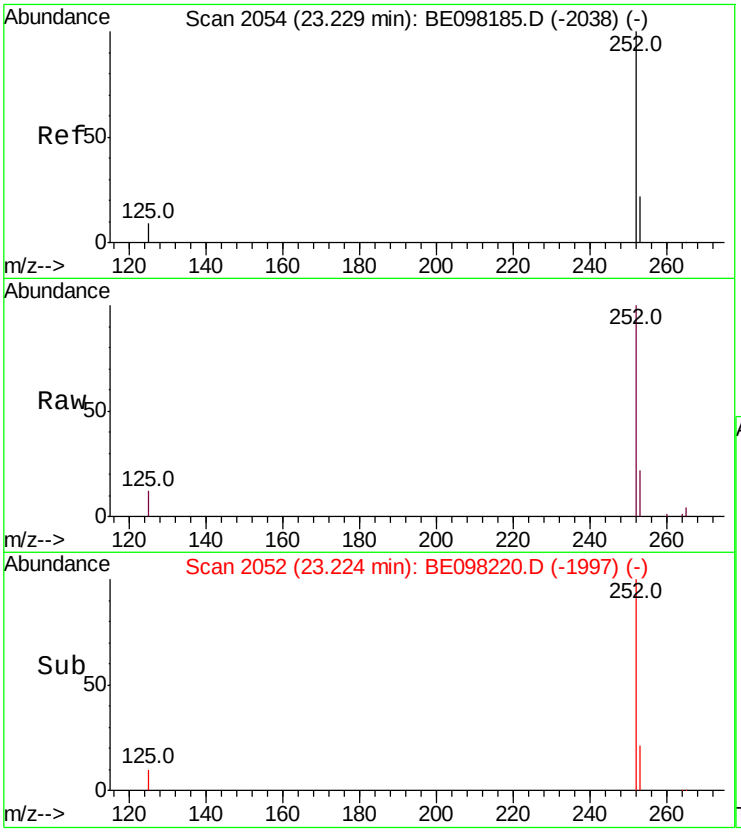


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.01 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion:264 Resp: 12999

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.9	29.9
265	25.6	21.3	31.9



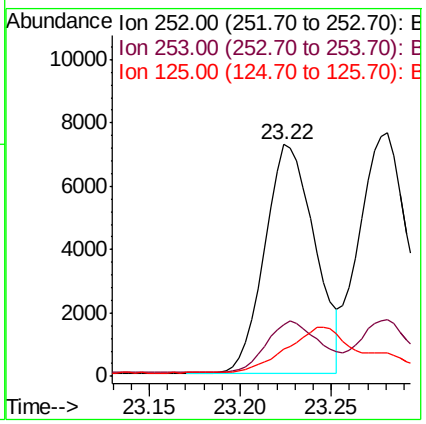


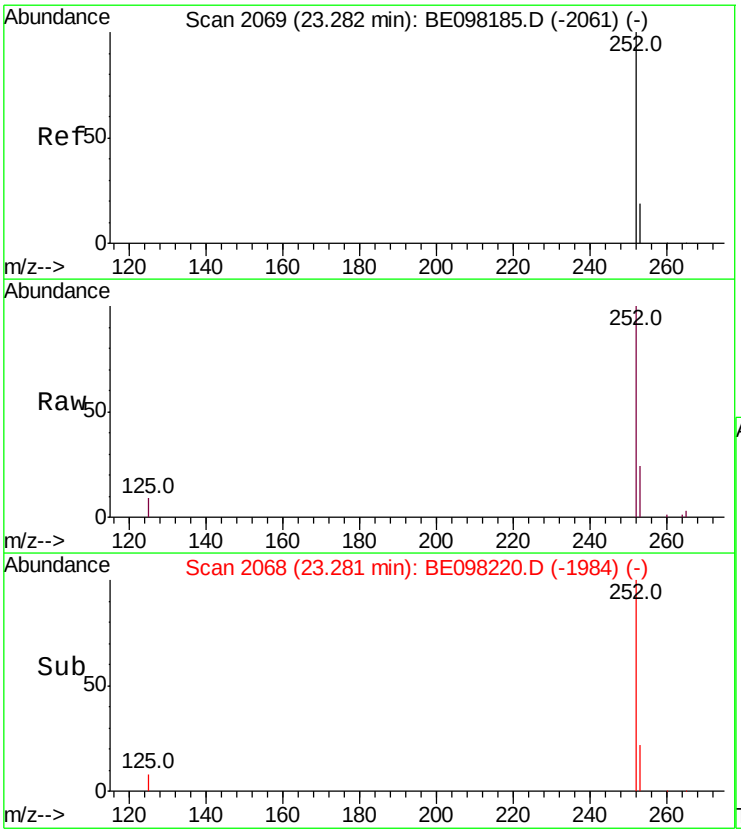
#35
Benzo(b)fluoranthene
Concen: 0.376 ng
RT: 23.22 min Scan# 2052
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion:252 Resp: 13875

Ion	Ratio	Lower	Upper
252	100		
253	22.3	19.4	29.0
125	11.6	8.6	12.8

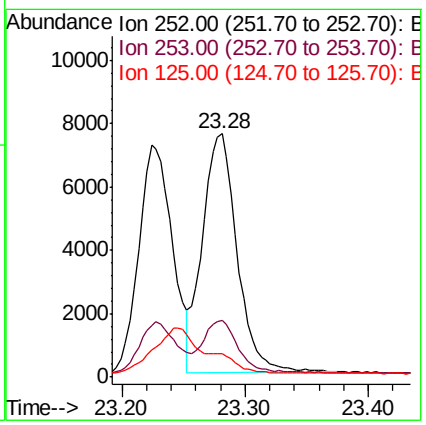


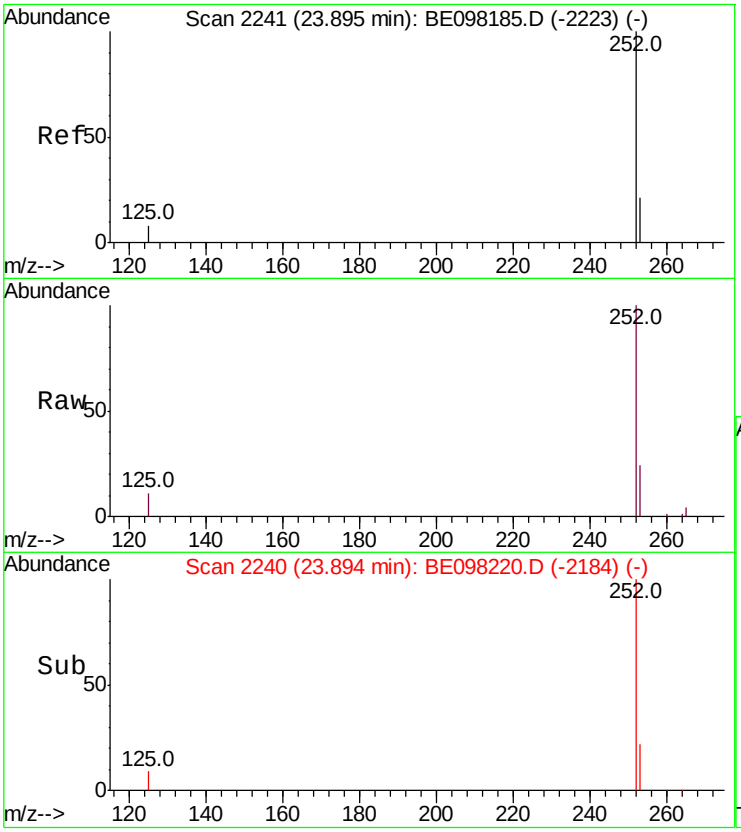


#36
Benzo(k)fluoranthene
Concen: 0.379 ng
RT: 23.28 min Scan# 2068
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion:252 Resp: 14761

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.6	28.0
125	9.4	7.4	11.0



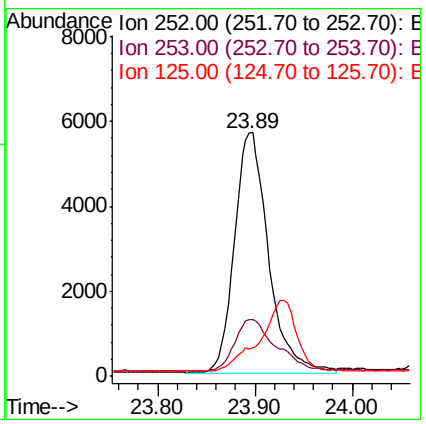


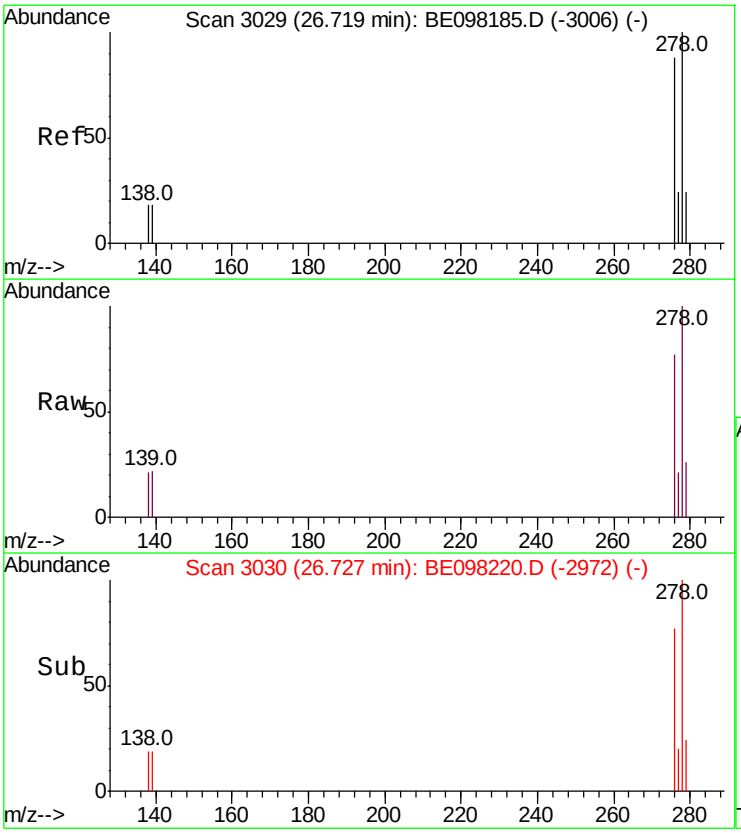
#37
Benzo(a)pyrene
Concen: 0.386 ng
RT: 23.89 min Scan# 2240
Delta R.T. -0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion:252 Resp: 13652

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.6	27.8
125	11.1	8.0	12.0

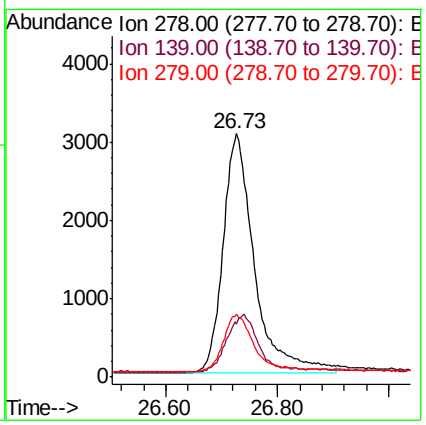


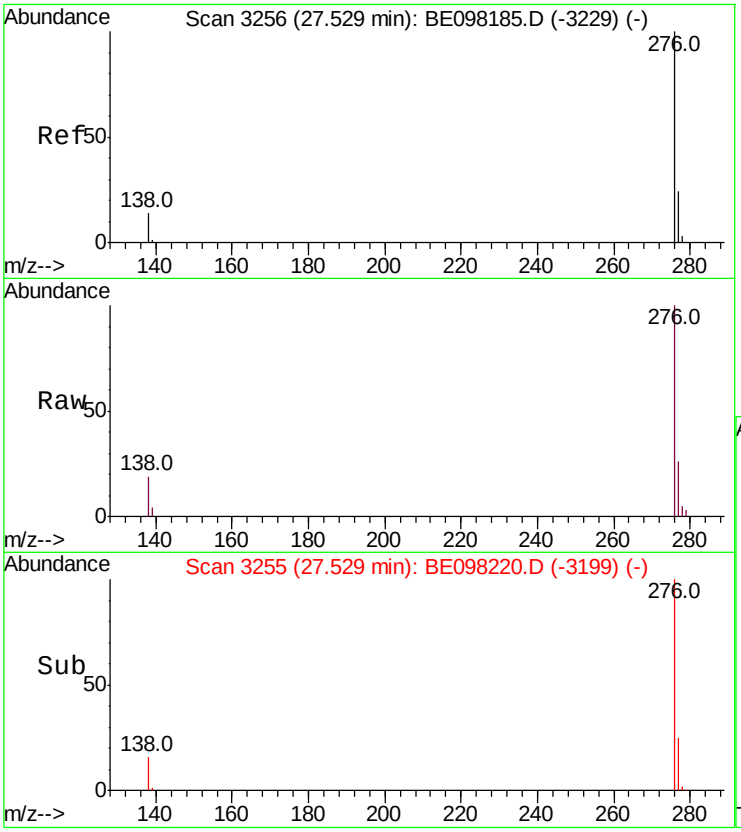


#38
Dibenzo(a,h)anthracene
Concen: 0.399 ng
RT: 26.73 min Scan# 3030
Delta R.T. 0.01 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Tgt Ion:278 Resp: 12031

Ion	Ratio	Lower	Upper
278	100		
139	21.7	16.4	24.6
279	25.8	21.3	31.9





#39
Benzo(g,h,i)perylene
Concen: 0.382 ng
RT: 27.53 min Scan# 3255
Delta R.T. 0.00 min
Lab File: BE098220.D
Acq: 13 Nov 2018 22:11

Instrument :
BNA_E
ClientSampleId :
PB114778BSD

Tgt Ion:276 Resp: 12022

Ion	Ratio	Lower	Upper
276	100		
277	26.0	20.4	30.6
138	18.5	13.2	19.8