Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031218\
Data File : BE095735.D
Acq On : 12 Mar 2018 18:06
Operator : SJ/JU
Sample : J1867-14MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : C19013071MSD

Quant Time: Mar 13 10:47:23 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 12:12:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1398	0.40	ng		0.00
7) Naphthalene-d8	11.27	136	5382	0.40	ng		0.00
13) Acenaphthene-d10	15.00	164	4167	0.40	ng		0.00
19) Phenanthrene-d10	17.71	188	6853	0.40	ng		0.00
27) Chrysene-d12	21.80	240	7143	0.40	ng		0.00
34) Perylene-d12	24.43	264	6818	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.92	112	707	0.19	ng		0.00
5) Phenol-d6	7.56	99	722	0.14	ng		0.00
8) Nitrobenzene-d5	9.61	82	2769	0.50	ng		0.00
11) 2-Methylnaphthalene-d10	12.80	152	3412	0.38	ng		0.00
14) 2,4,6-Tribromophenol	16.47	330	562	0.40	ng		0.00
15) 2-Fluorobiphenyl	13.64	172	7083	0.38	ng		0.00
25) Fluoranthene-d10	19.69	212	34379	0.38	ng		0.00
29) Terphenyl-d14	20.25	244	7897	0.55	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.64	88	359	0.163	ng	#	78
3) n-Nitrosodimethylamine	3.99	42	516	0.189	ng		83
6) bis(2-Chloroethyl)ether	7.82	93	2299	0.438	ng		92
9) Naphthalene	11.31	128	51235	0.826	ng	#	90
10) Hexachlorobutadiene	11.57	225	1550	0.428	ng		95
12) 2-Methylnaphthalene	12.87	142	6325	0.591	ng	#	92
16) Acenaphthylene	14.73	152	17837	0.762	ng	#	35
17) Acenaphthene	15.07	154	22078	1.502	ng	#	76
18) Fluorene	16.03	166	51444	2.822	ng	#	79
20) 4-Bromophenyl-phenylether	16.90	248	1803	0.419	ng	#	75
21) Hexachlorobenzene	17.02	284	1697	0.381	ng	#	72
22) Pentachlorophenol	17.36	266	1631	1.176	ng	#	75
23) Phenanthrene	17.75	178	52011	2.428	ng	#	95
24) Anthracene	17.84	178	12982	0.660	ng	#	78
26) Fluoranthene	19.72	202	11275	0.428	ng		97
28) Pyrene	20.07	202	14827	0.508	ng		96
30) Benzo(a)anthracene	21.78	228	10407	0.447	ng		98
31) Chrysene	21.84	228	9660	0.417	ng		100
32) Bis(2-ethylhexyl)phthalate	21.66	149	38530	0.935	ng		98
33) Indeno(1,2,3-cd)pyrene	27.23	276	7105	0.316	ng	#	94
35) Benzo(b)fluoranthene	23.61	252	8427	0.347	ng	#	90
36) Benzo(k)fluoranthene	23.66	252	8456	0.350	ng		94
37) Benzo(a)pyrene	24.31	252	7912	0.361	ng		93
38) Dibenzo(a,h)anthracene	27.25	278	5948	0.305	ng		97
39) Benzo(g,h,i)perylene	28.10	276	6195	0.297	ng	#	93

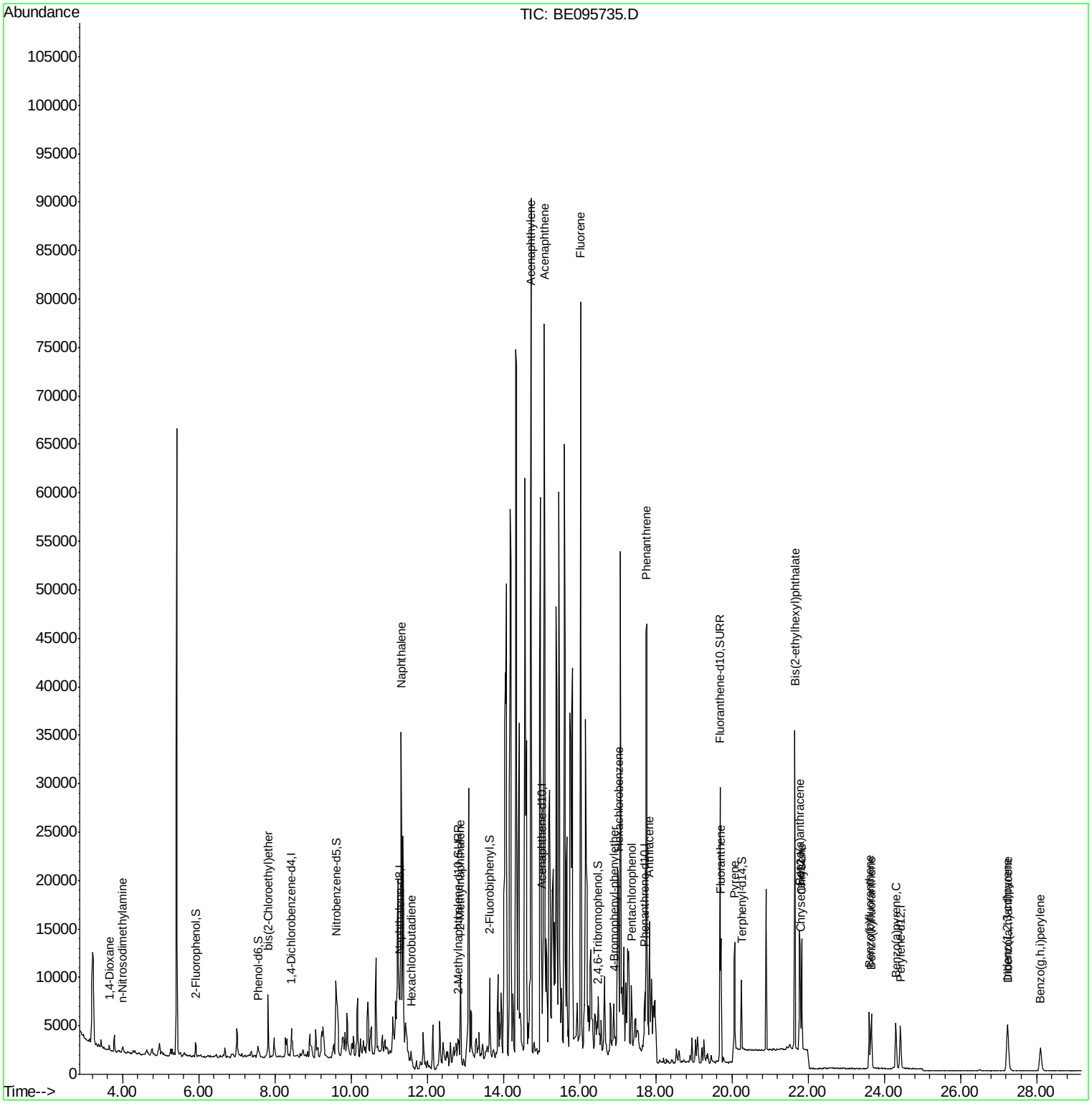
(#) = qualifier out of range (m) = manual integration (+) = signals summed

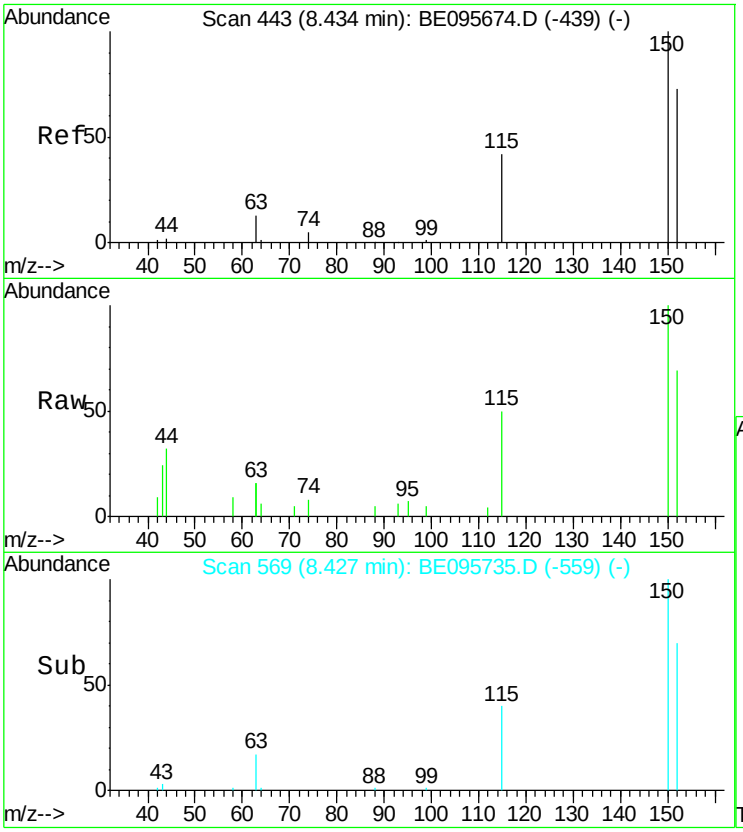
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE031218\
Data File : BE095735.D
Acq On : 12 Mar 2018 18:06
Operator : SJ/JU
Sample : J1867-14MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Quant Time: Mar 13 10:47:23 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 12:12:42 2018
Response via : Initial Calibration



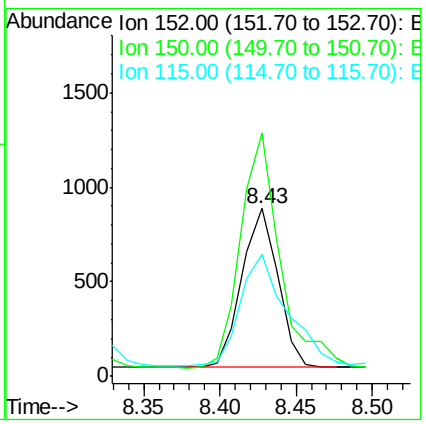


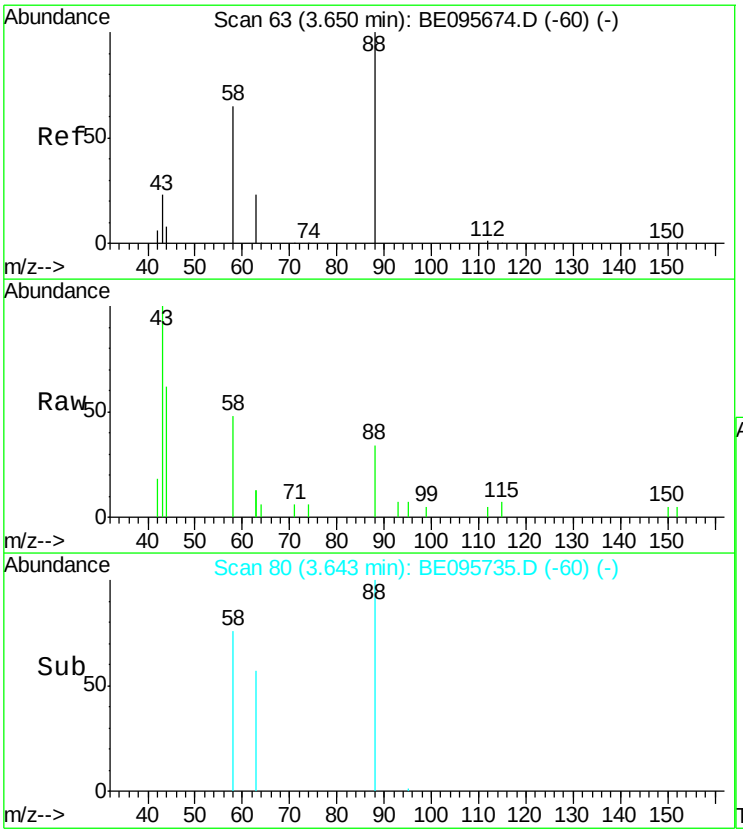
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion:152 Resp: 1398

Ion	Ratio	Lower	Upper
152	100		
150	145.0	117.2	175.8
115	72.4	57.0	85.6

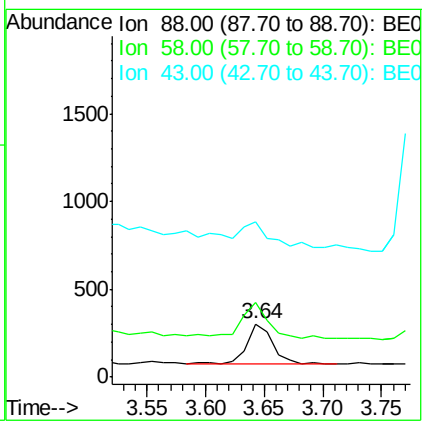


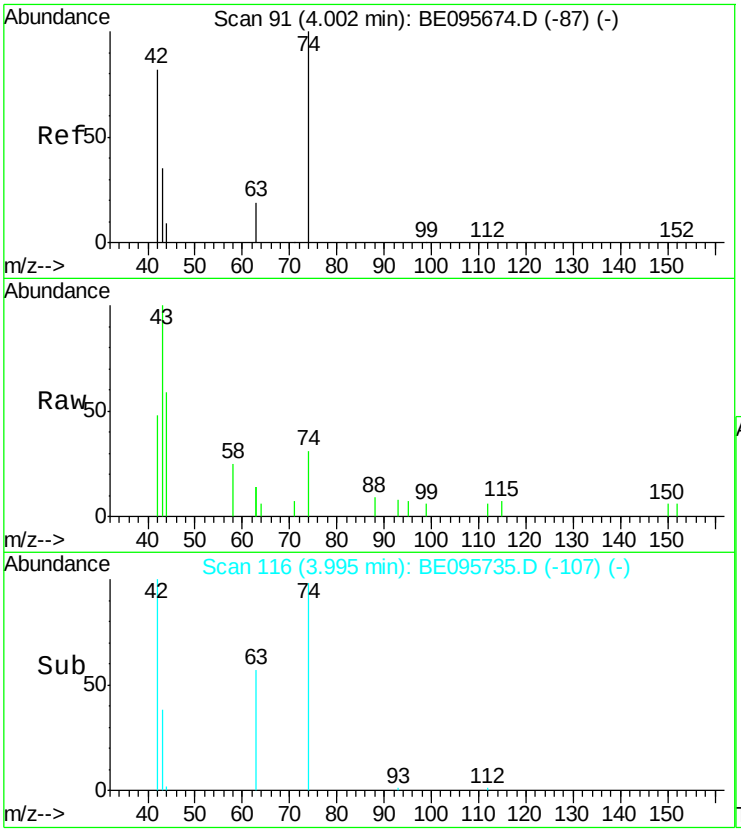


#2
1,4-Dioxane
Concen: 0.163 ng
RT: 3.64 min Scan# 80
Delta R.T. -0.01 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion: 88 Resp: 359

Ion	Ratio	Lower	Upper
88	100		
58	98.9	63.2	94.8#
43	66.3	41.2	61.8#



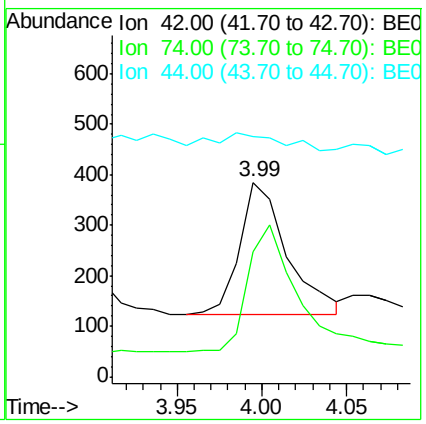


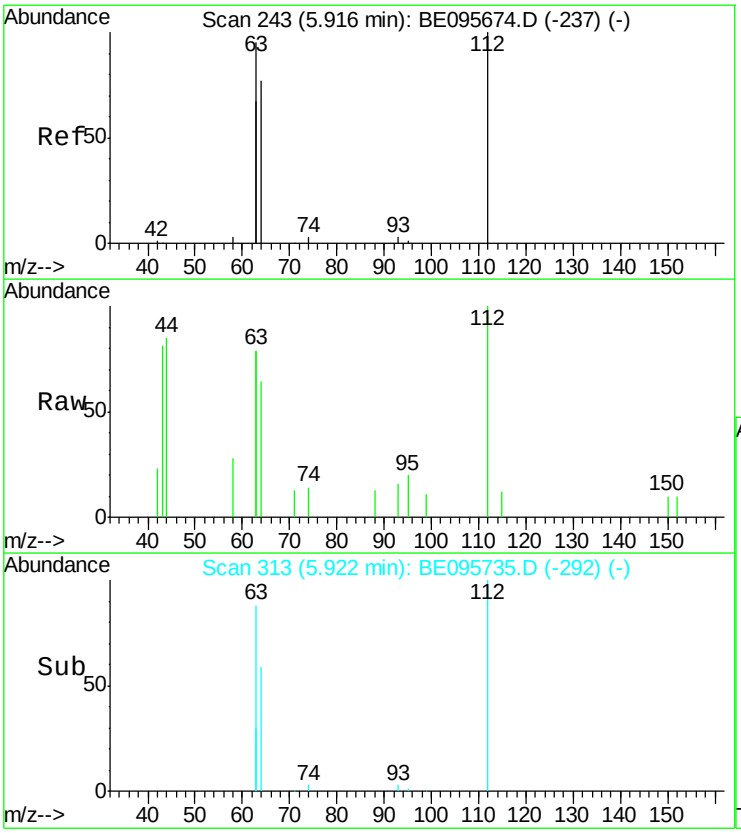
#3
n-Nitrosodimethylamine
Concen: 0.189 ng
RT: 3.99 min Scan# 116
Delta R.T. -0.01 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion: 42 Resp: 516

Ion	Ratio	Lower	Upper
42	100		
74	98.4	96.0	144.0
44	14.9	12.0	18.0

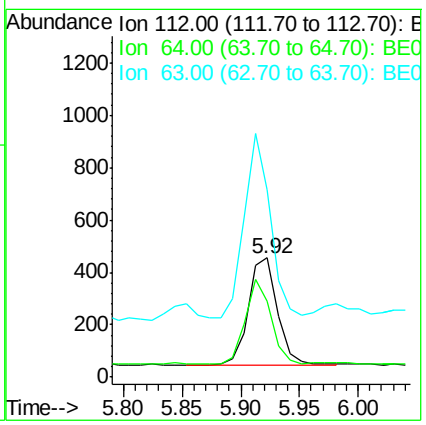


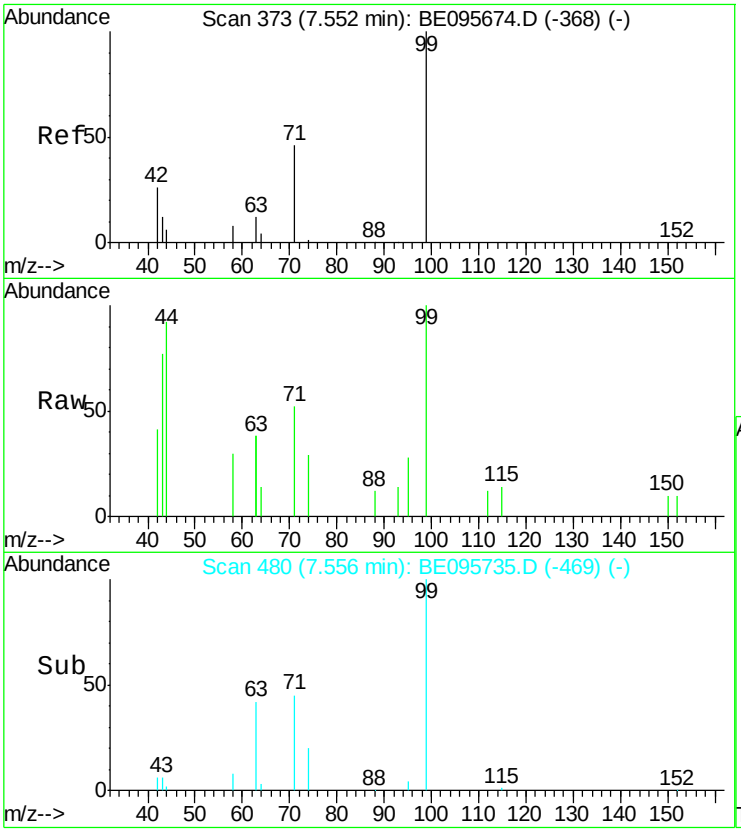


#4
2-Fluorophenol
Concen: 0.192 ng
RT: 5.92 min Scan# 313
Delta R.T. 0.01 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion:112 Resp: 707

Ion	Ratio	Lower	Upper
112	100		
64	69.6	60.1	90.1
63	153.6	116.8	175.2



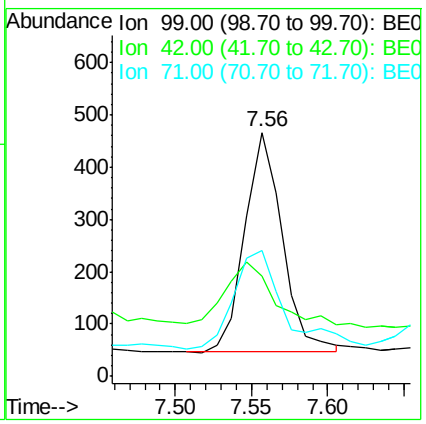


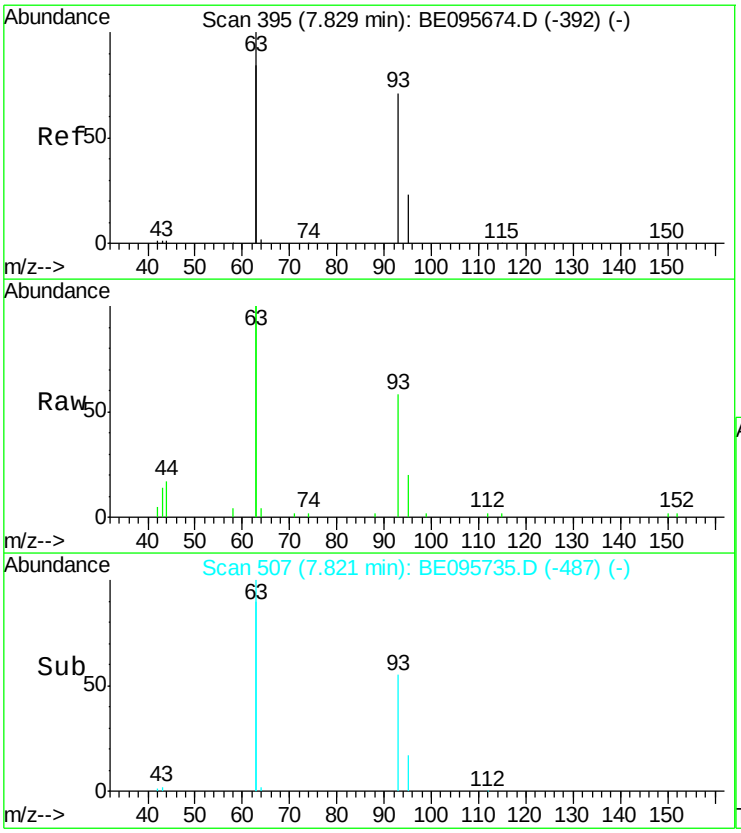
#5
Phenol-d6
Concen: 0.141 ng
RT: 7.56 min Scan# 480
Delta R.T. 0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion: 99 Resp: 722

Ion	Ratio	Lower	Upper
99	100		
42	35.2	20.2	30.2#
71	60.5	28.4	42.6#

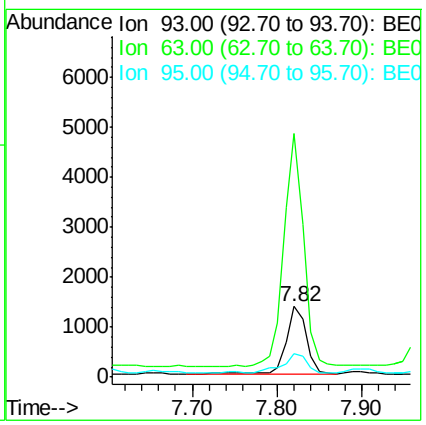


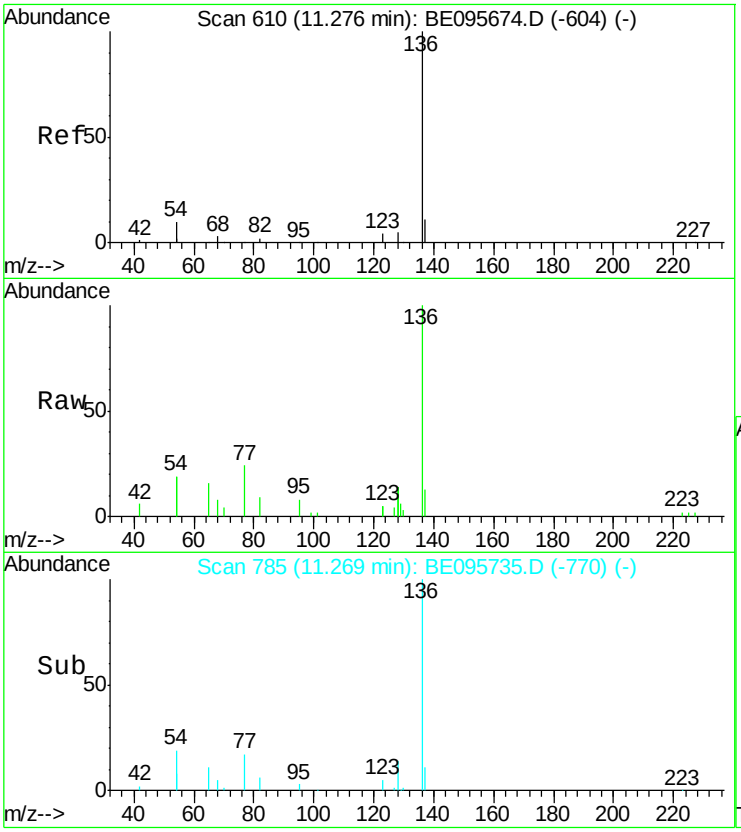


#6
bis(2-Chloroethyl)ether
Concen: 0.438 ng
RT: 7.82 min Scan# 507
Delta R.T. -0.01 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion: 93 Resp: 2299

Ion	Ratio	Lower	Upper
93	100		
63	327.2	275.3	412.9
95	35.7	25.2	37.8



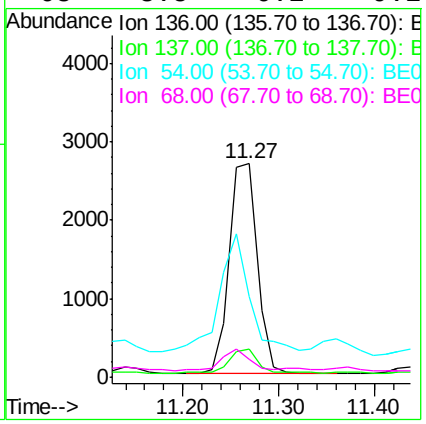


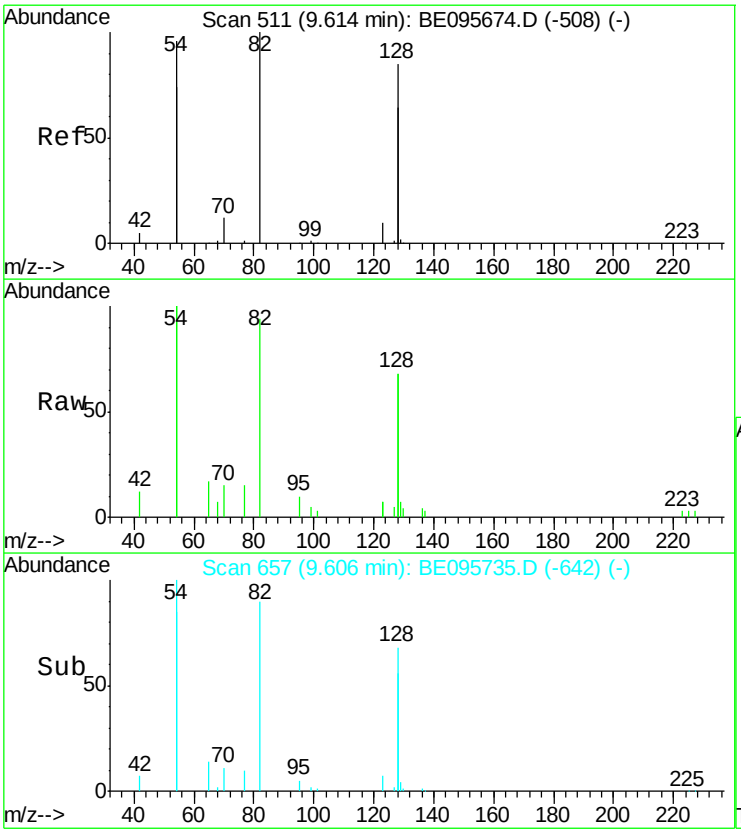
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.27 min Scan# 785
Delta R.T. -0.01 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion:136 Resp: 5382

Ion	Ratio	Lower	Upper
136	100		
137	13.4	9.5	14.3
54	37.6	29.1	43.7
68	8.5	6.2	9.2

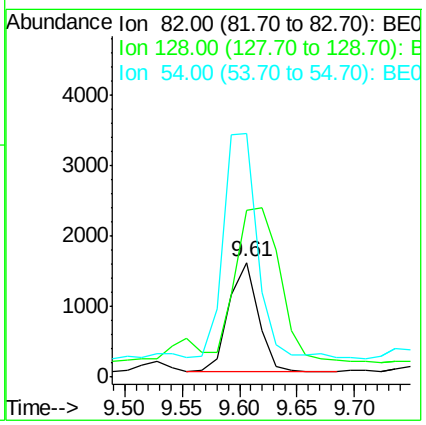


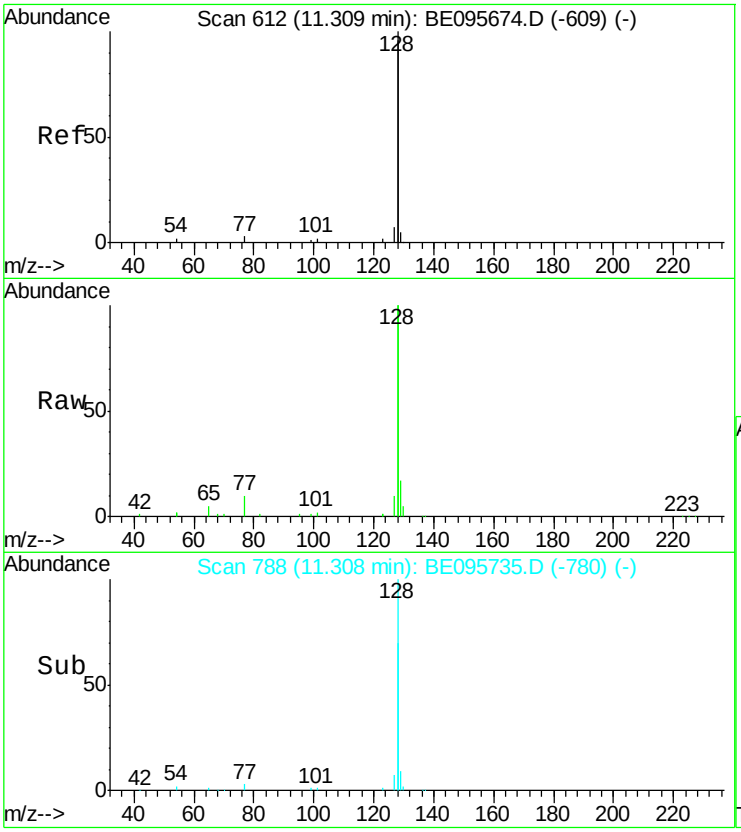


#8
Nitrobenzene-d5
Concen: 0.499 ng
RT: 9.61 min Scan# 657
Delta R.T. -0.01 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion: 82 Resp: 2769

Ion	Ratio	Lower	Upper
82	100		
128	144.9	150.0	225.0#
54	212.1	154.2	231.4



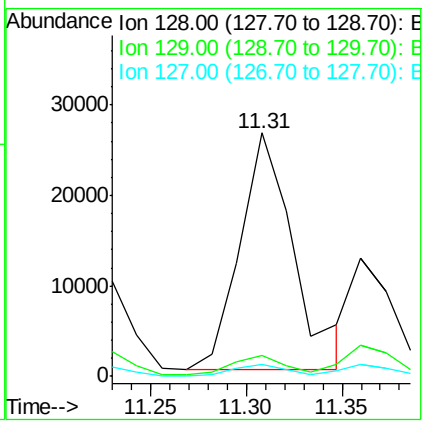


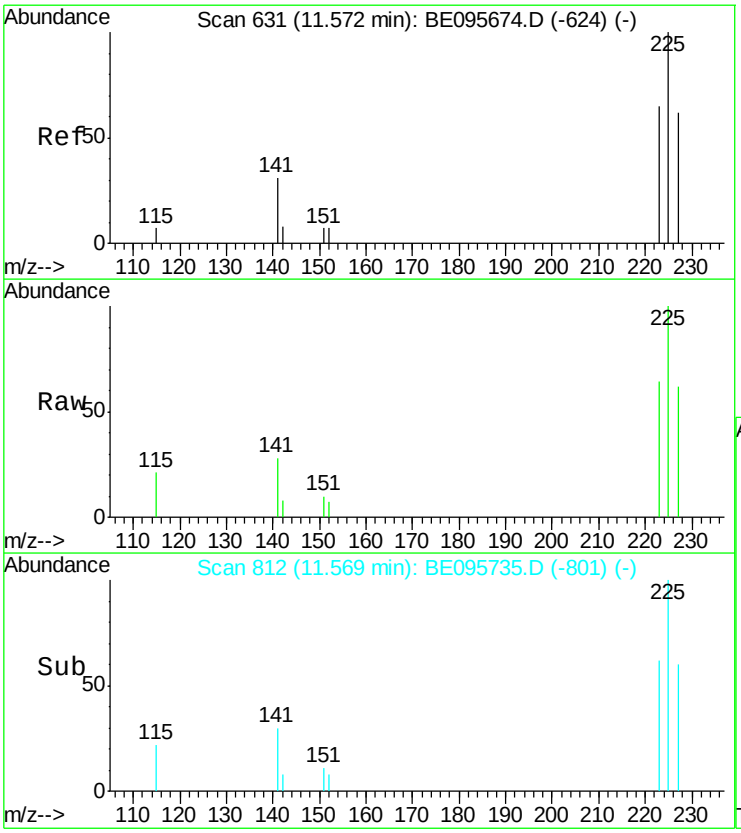
#9
Naphthalene
Concen: 0.826 ng
RT: 11.31 min Scan# 788
Delta R.T. -0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion:128 Resp: 51235

Ion	Ratio	Lower	Upper
128	100		
129	8.4	2.6	3.8#
127	5.0	2.8	4.2#

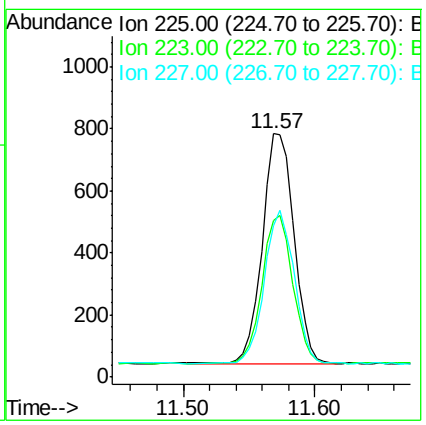


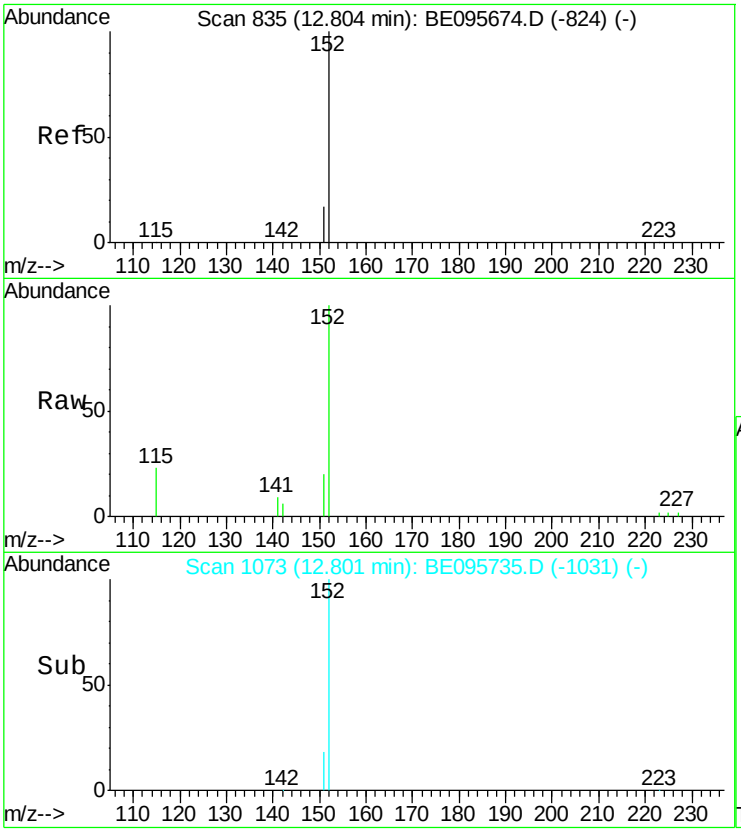


#10
Hexachlorobutadiene
Concen: 0.428 ng
RT: 11.57 min Scan# 812
Delta R.T. -0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion:225 Resp: 1550

Ion	Ratio	Lower	Upper
225	100		
223	61.7	53.0	79.6
227	61.2	51.4	77.2



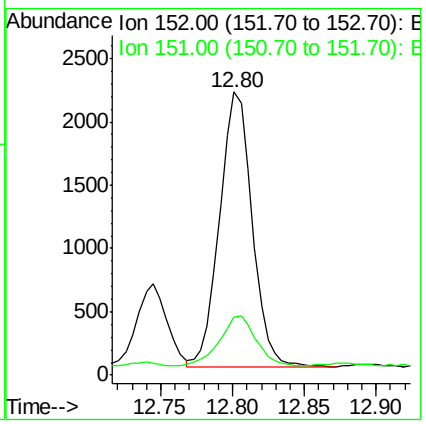


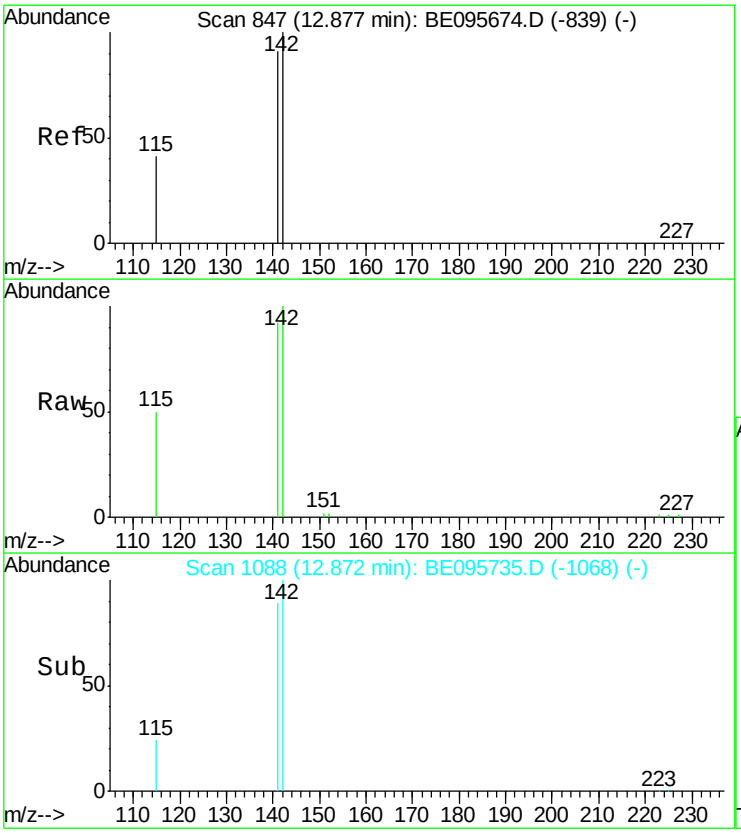
#11
2-Methylnaphthalene-d10
Concen: 0.379 ng
RT: 12.80 min Scan# 1073
Delta R.T. -0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion:152 Resp: 3412

Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.4	23.0

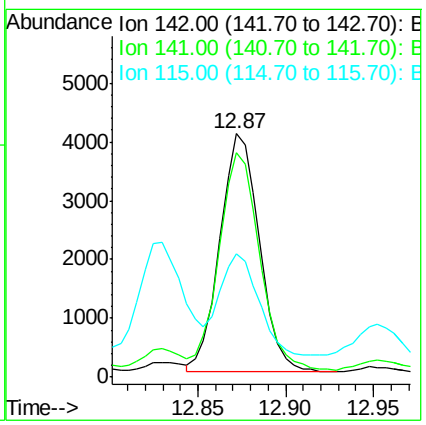


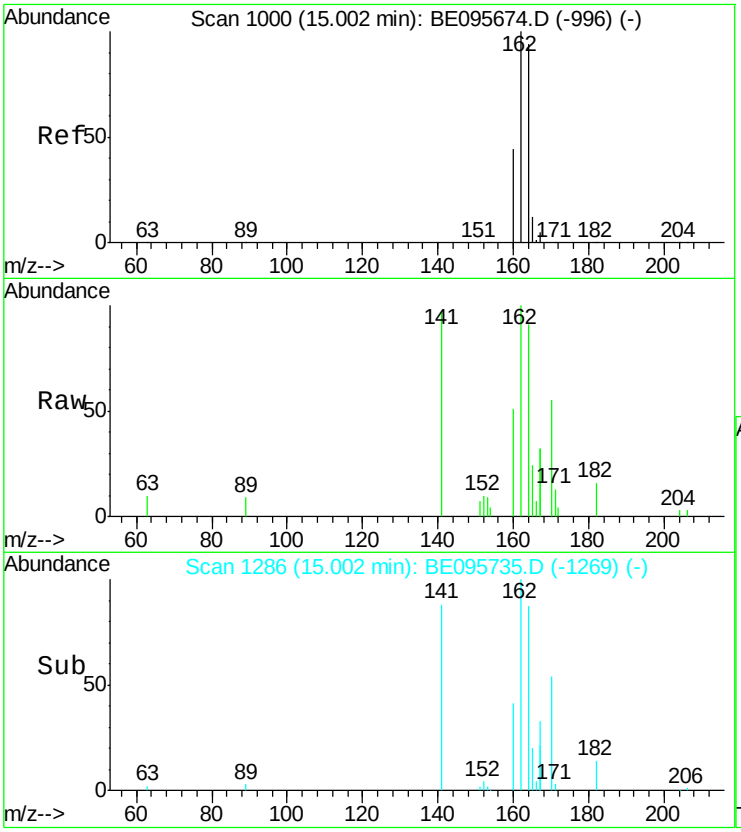


#12
2-Methylnaphthalene
Concen: 0.591 ng
RT: 12.87 min Scan# 1088
Delta R.T. -0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion:142 Resp: 6325

Ion	Ratio	Lower	Upper
142	100		
141	92.0	70.4	105.6
115	50.4	31.7	47.5#



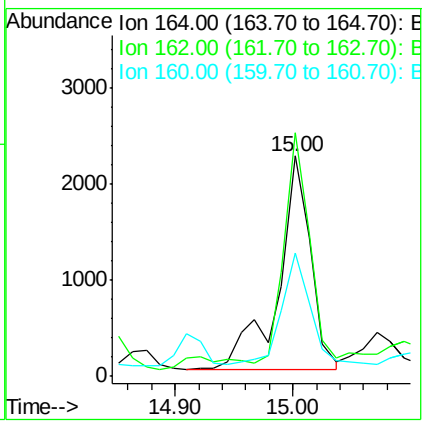


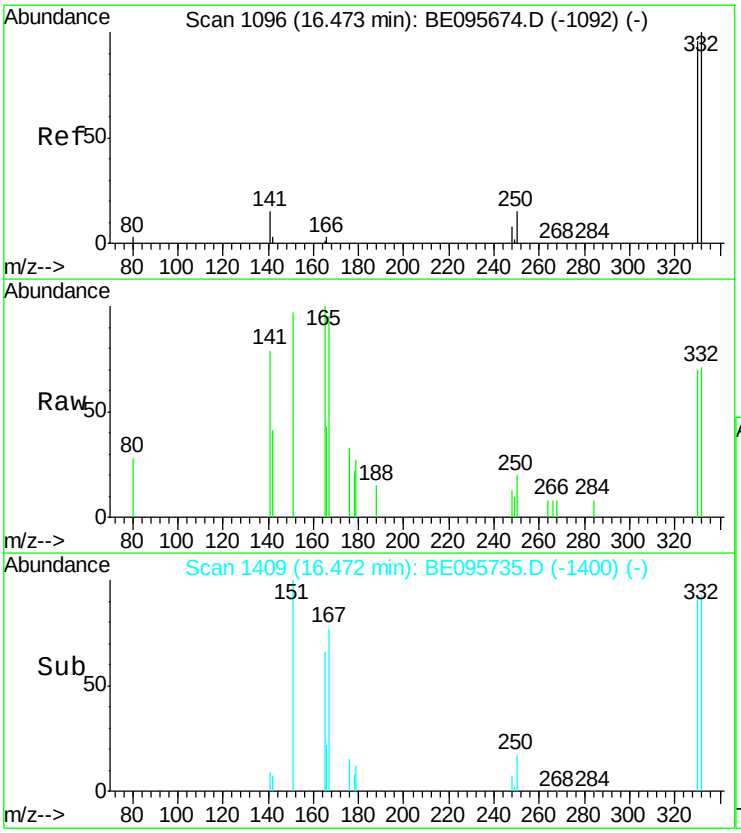
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.00 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion:164 Resp: 4167

Ion	Ratio	Lower	Upper
164	100		
162	110.4	83.1	124.7
160	56.1	37.1	55.7#

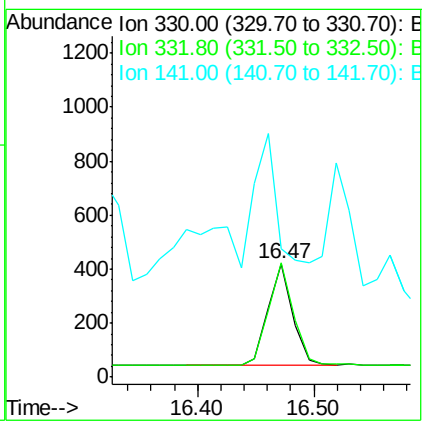


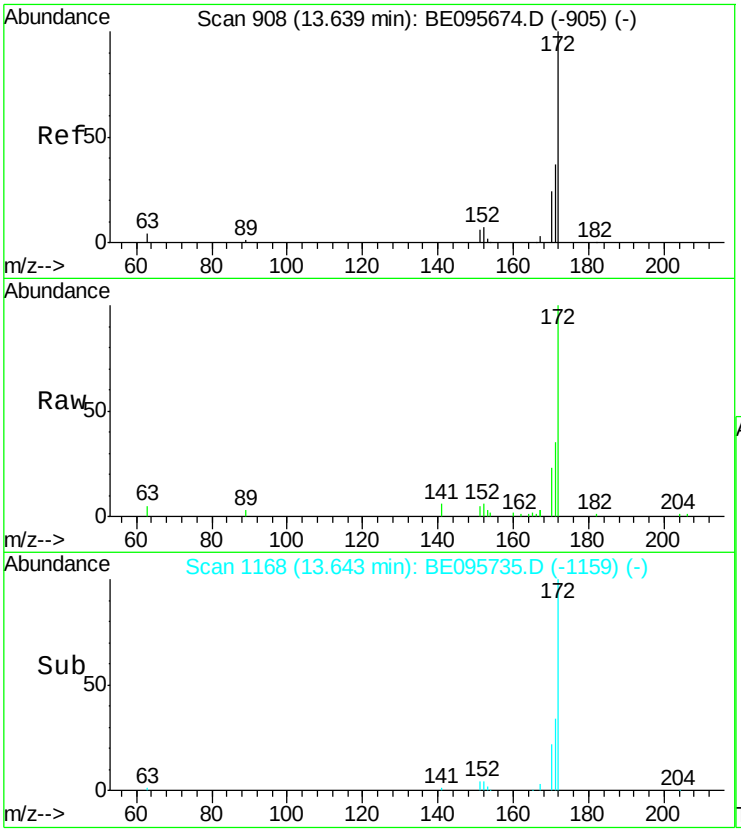


#14
2,4,6-Tribromophenol
Concen: 0.397 ng
RT: 16.47 min Scan# 1409
Delta R.T. -0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion:330 Resp: 562

Ion	Ratio	Lower	Upper
330	100		
332	102.5	152.7	229.1#
141	121.2	33.7	50.5#



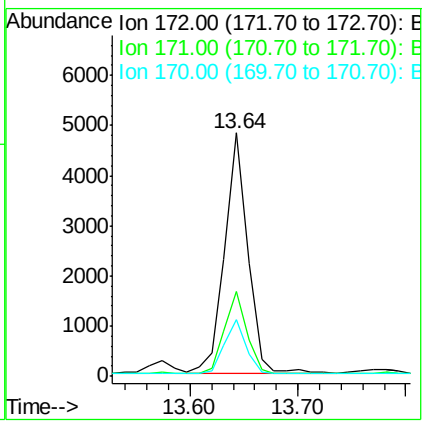


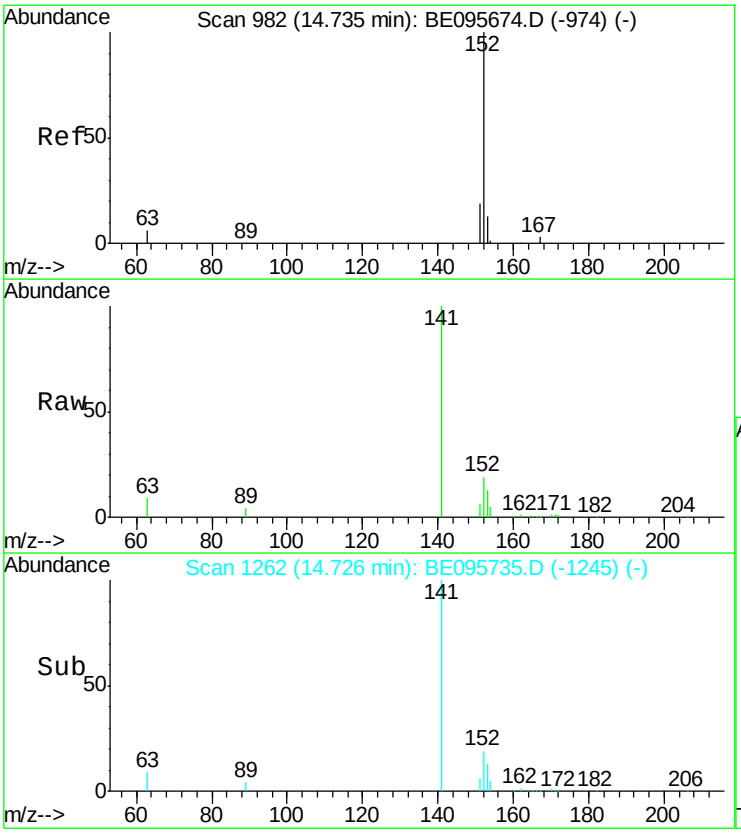
#15
2-Fluorobiphenyl
Concen: 0.380 ng
RT: 13.64 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion:172 Resp: 7083

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.9	44.9
170	23.1	21.8	32.8

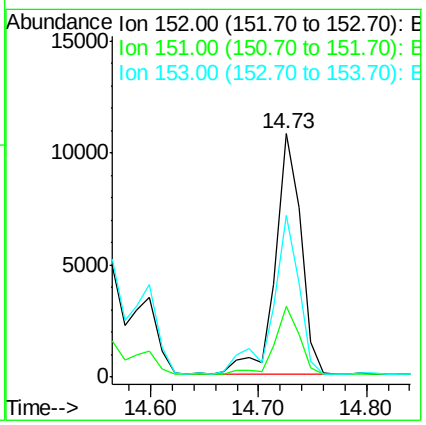


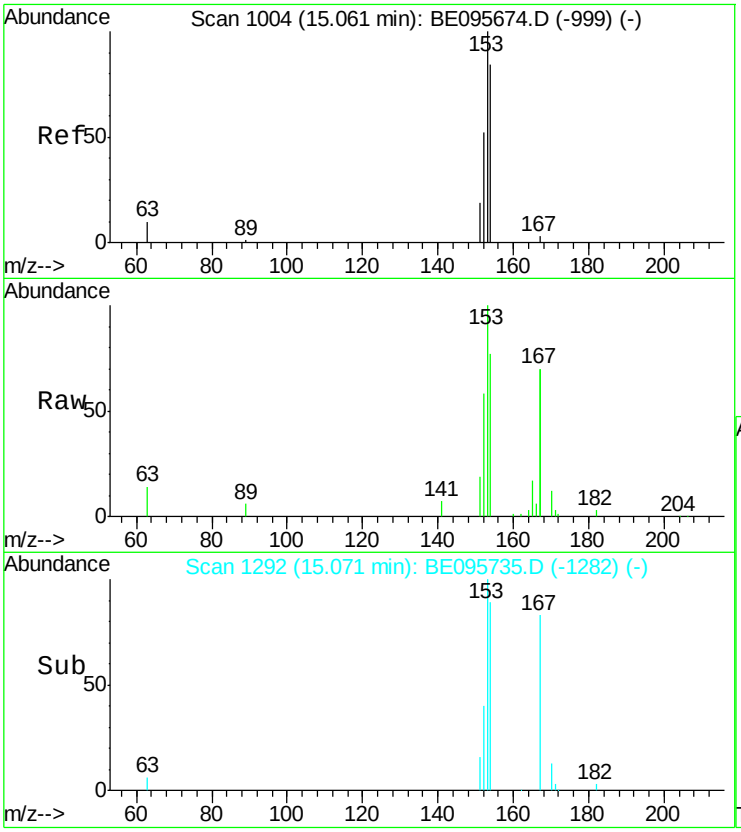


#16
Acenaphthylene
Concen: 0.762 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.01 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion:152 Resp: 17837

Ion	Ratio	Lower	Upper
152	100		
151	27.6	15.7	23.5#
153	67.6	10.5	15.7#



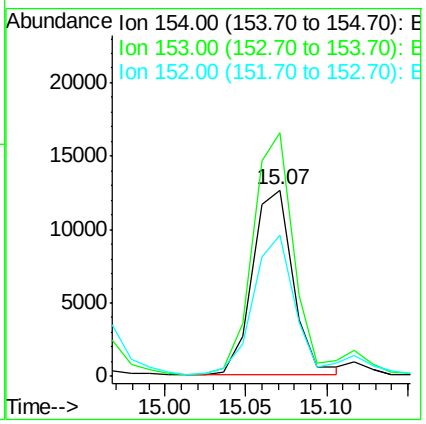


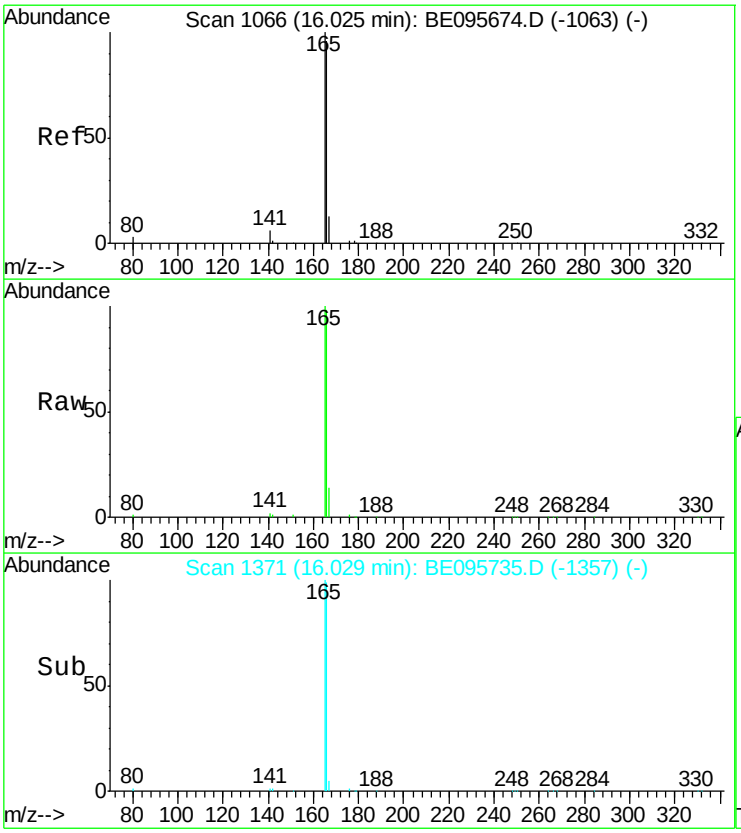
#17
Acenaphthene
Concen: 1.502 ng
RT: 15.07 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion:154 Resp: 22078

Ion	Ratio	Lower	Upper
154	100		
153	131.3	89.2	133.8
152	77.9	42.0	63.0#

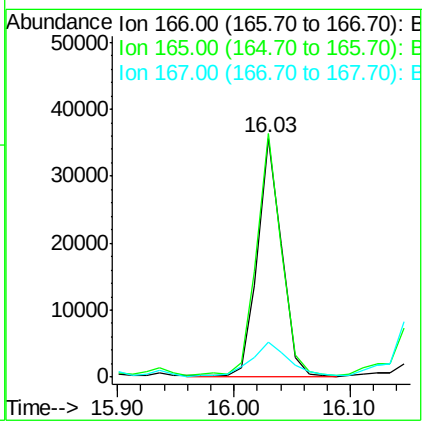


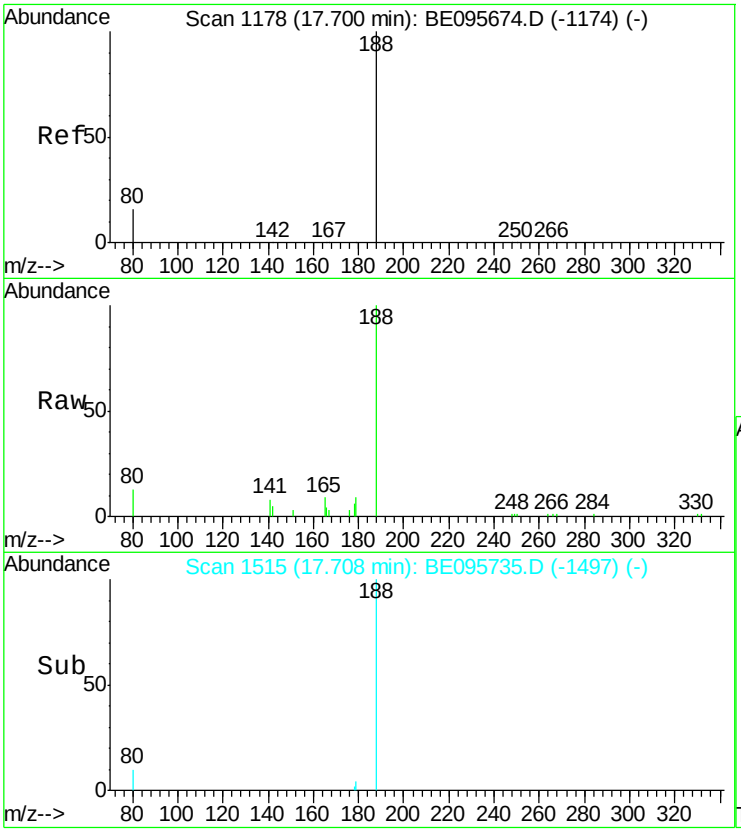


#18
Fluorene
Concen: 2.822 ng
RT: 16.03 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion:166 Resp: 51444

Ion	Ratio	Lower	Upper
166	100		
165	105.0	77.8	116.6
167	21.1	42.4	63.6#



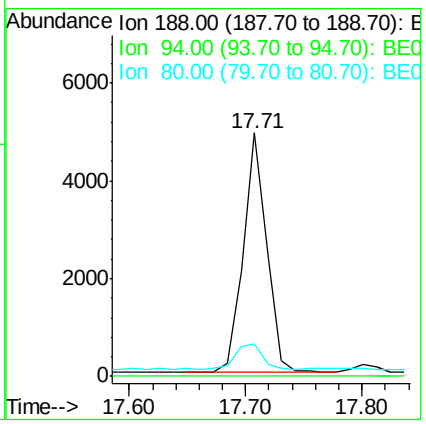


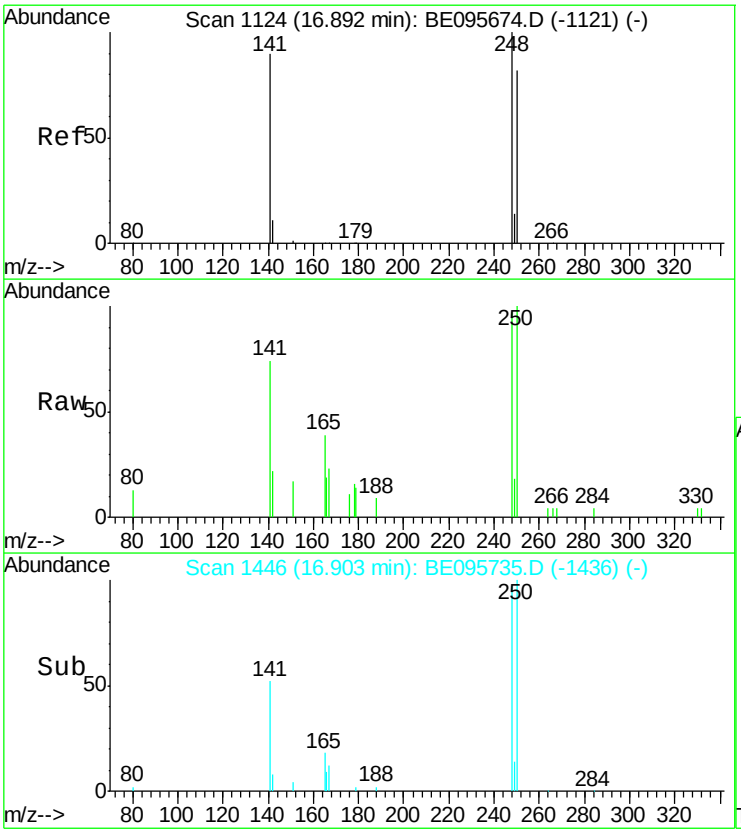
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.71 min Scan# 1515
Delta R.T. 0.01 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion:188 Resp: 6853

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	13.2	3.6	5.4#

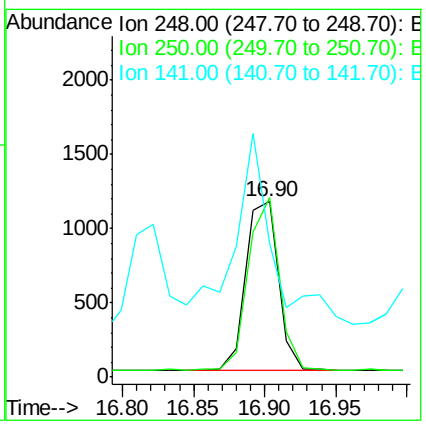


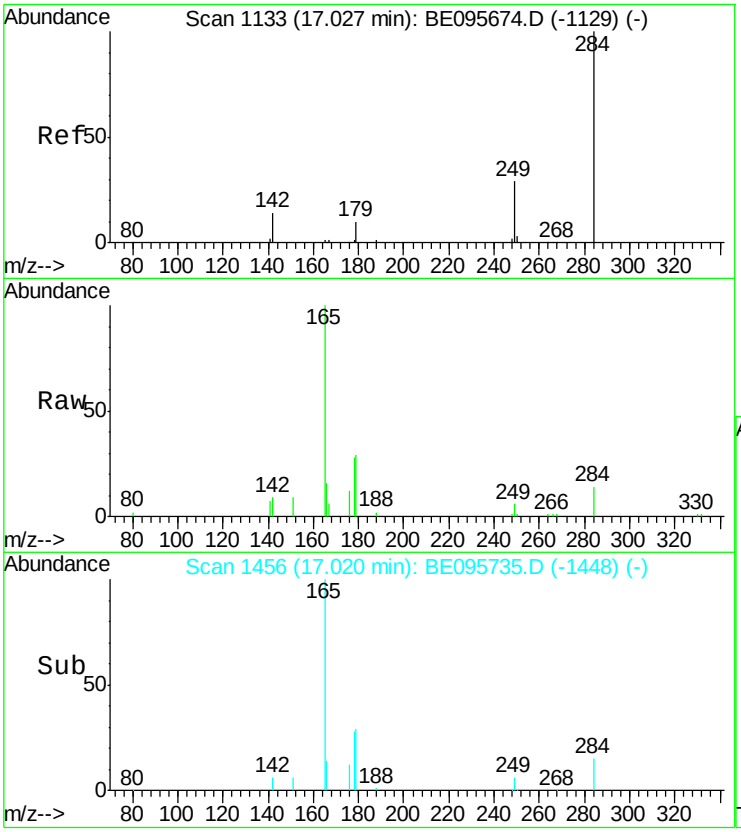


#20
4-Bromophenyl-phenylether
Concen: 0.419 ng
RT: 16.90 min Scan# 1446
Delta R.T. 0.01 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion:248 Resp: 1803

Ion	Ratio	Lower	Upper
248	100		
250	102.6	62.7	94.1#
141	76.3	48.2	72.2#



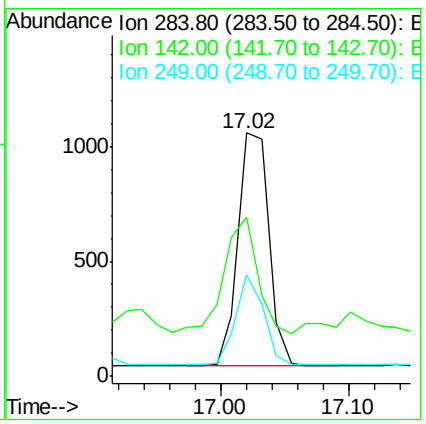


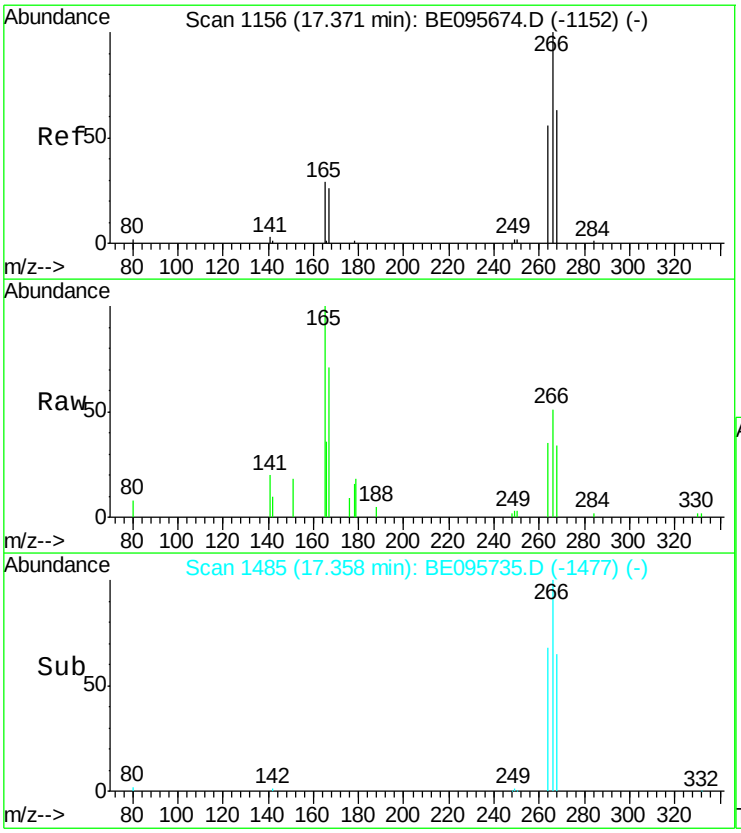
#21
Hexachlorobenzene
Concen: 0.381 ng
RT: 17.02 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion:284 Resp: 1697

Ion	Ratio	Lower	Upper
284	100		
142	54.4	22.1	33.1#
249	35.0	34.8	52.2

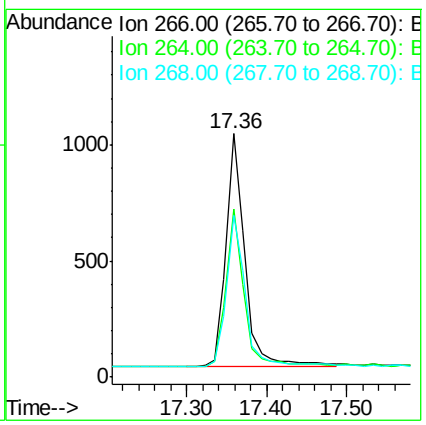


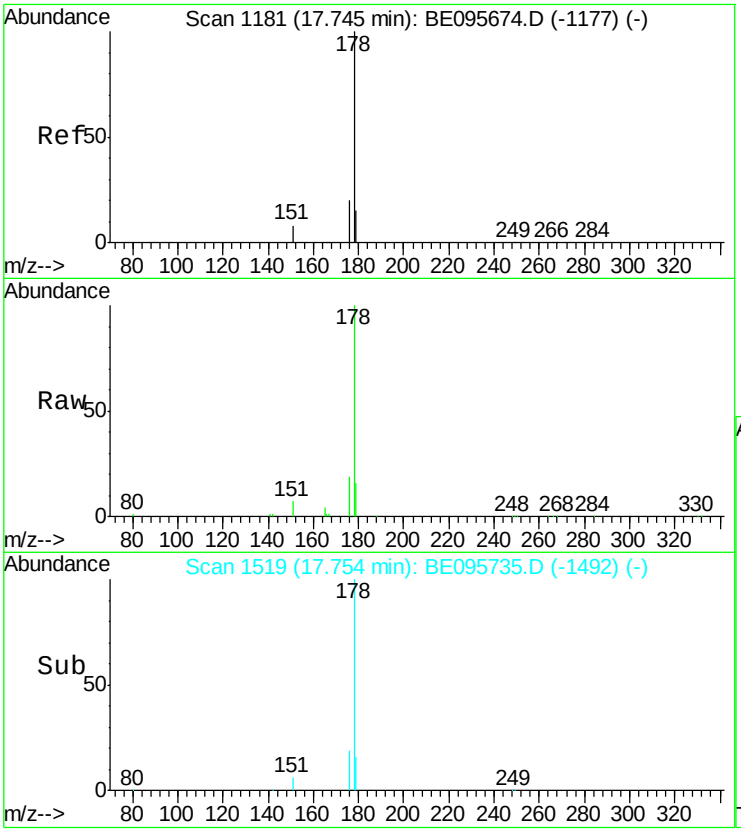


#22
Pentachlorophenol
Concen: 1.176 ng
RT: 17.36 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion:266 Resp: 1631

Ion	Ratio	Lower	Upper
266	100		
264	69.2	72.5	108.7#
268	66.2	73.8	110.6#



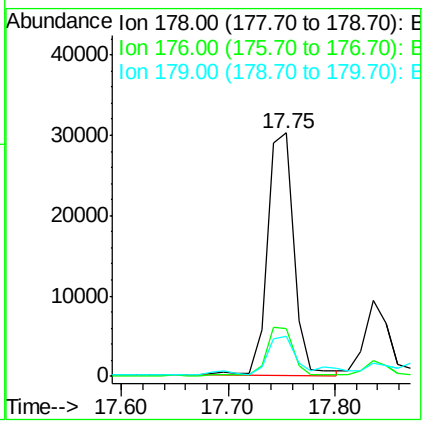


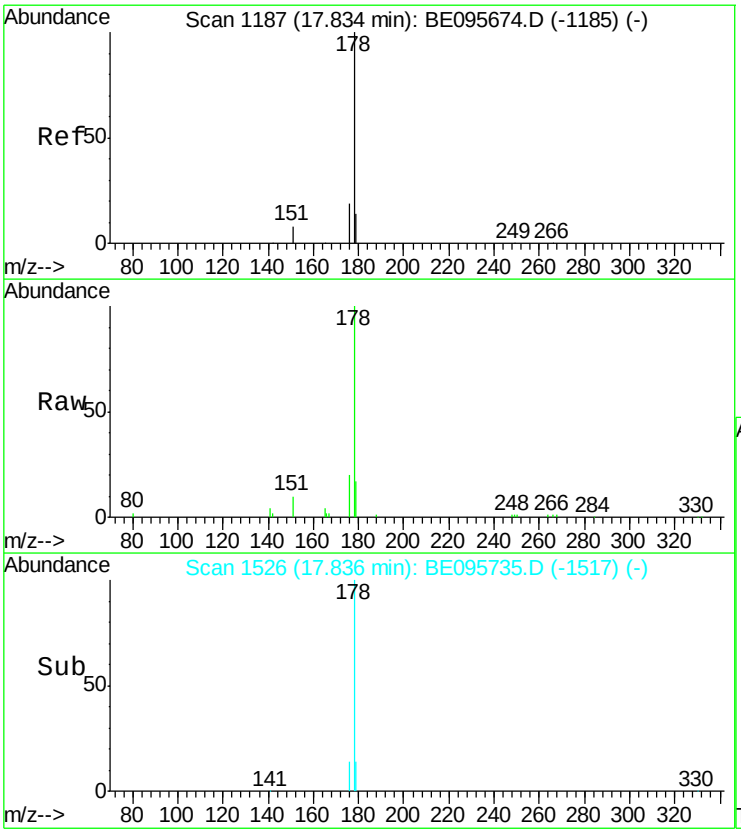
#23
Phenanthrene
Concen: 2.428 ng
RT: 17.75 min Scan# 1519
Delta R.T. 0.01 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion:178 Resp: 52011

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.1	22.7
179	18.6	11.8	17.6#

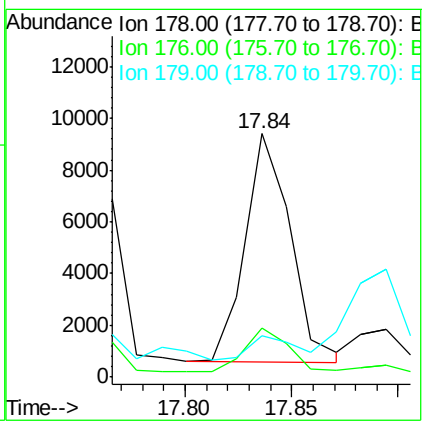


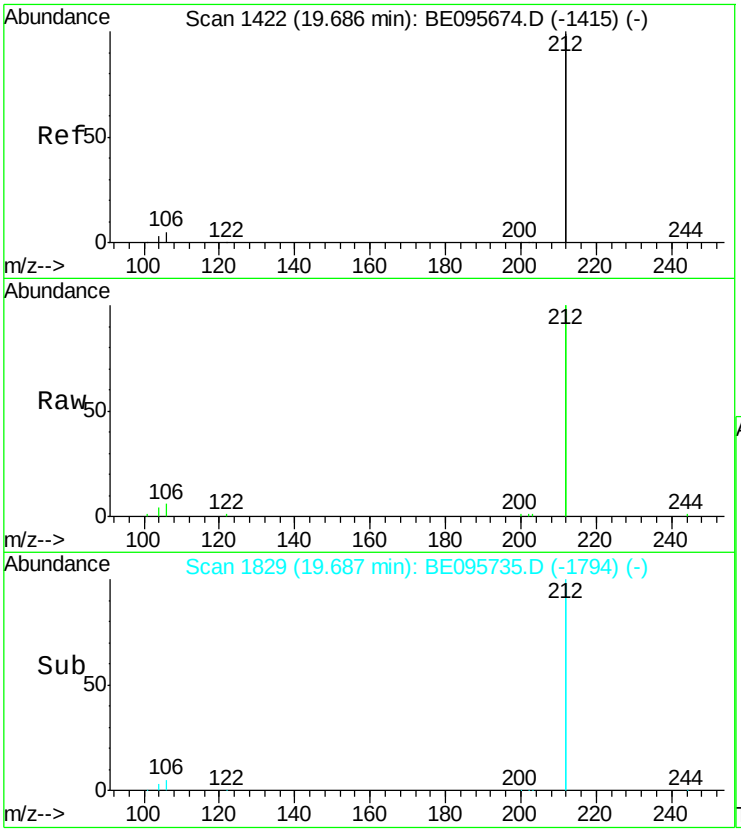


#24
Anthracene
Concen: 0.660 ng
RT: 17.84 min Scan# 1526
Delta R.T. 0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion:178 Resp: 12982

Ion	Ratio	Lower	Upper
178	100		
176	18.8	12.8	19.2
179	0.0	13.0	19.6#



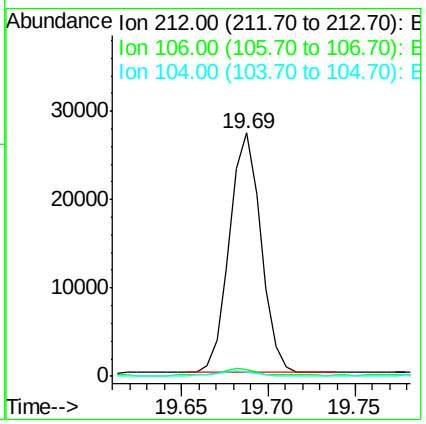


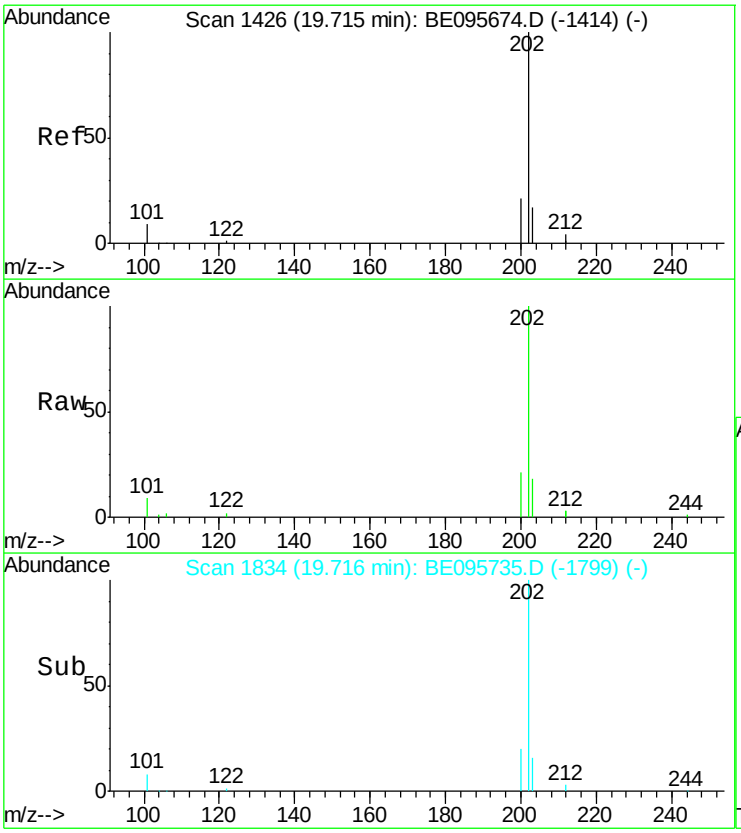
#25
Fluoranthene-d10
Concen: 0.384 ng
RT: 19.69 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion:212 Resp: 34379

Ion	Ratio	Lower	Upper
212	100		
106	2.9	2.8	4.2
104	2.1	1.6	2.4

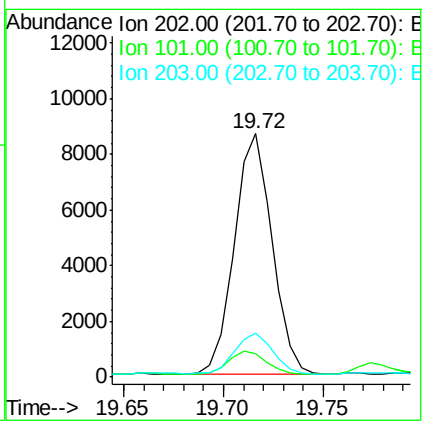


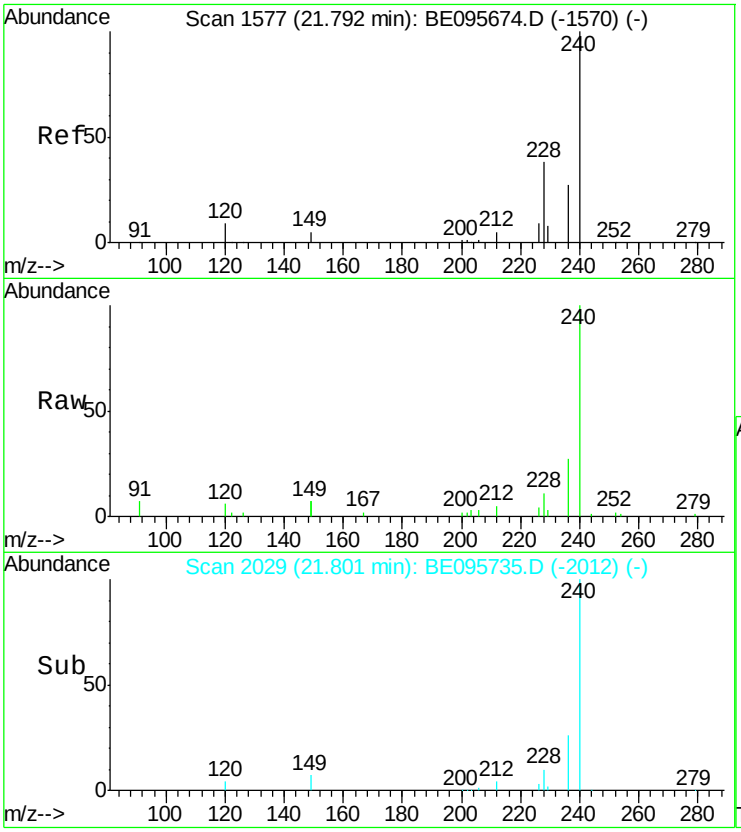


#26
Fluoranthene
Concen: 0.428 ng
RT: 19.72 min Scan# 1834
Delta R.T. 0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion:202 Resp: 11275

Ion	Ratio	Lower	Upper
202	100		
101	9.9	9.8	14.8
203	16.9	13.7	20.5



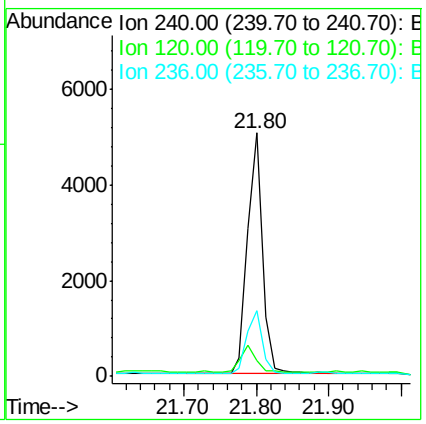


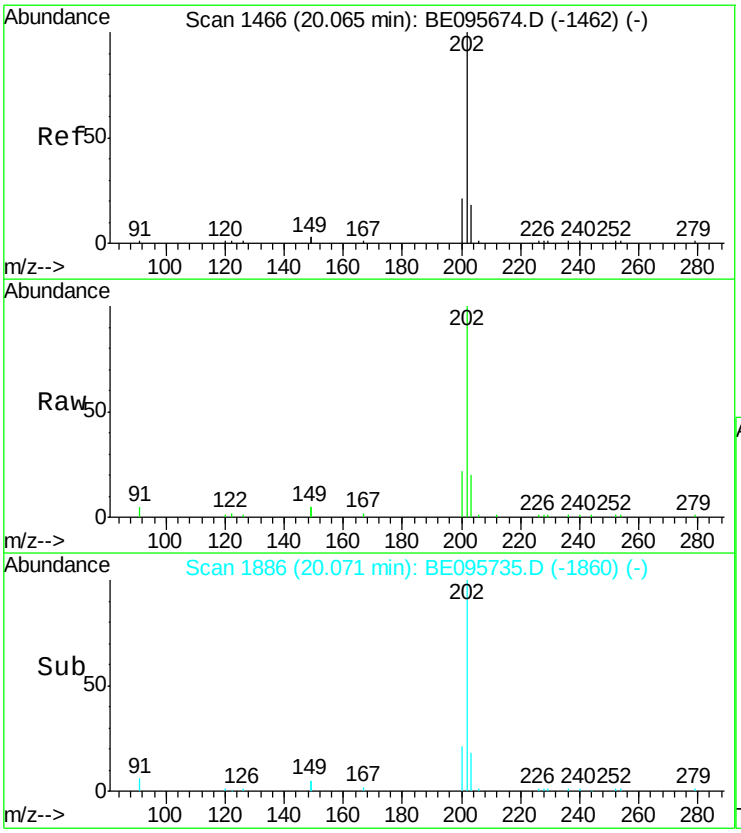
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.80 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion:240 Resp: 7143

Ion	Ratio	Lower	Upper
240	100		
120	6.4	5.5	8.3
236	27.1	20.7	31.1

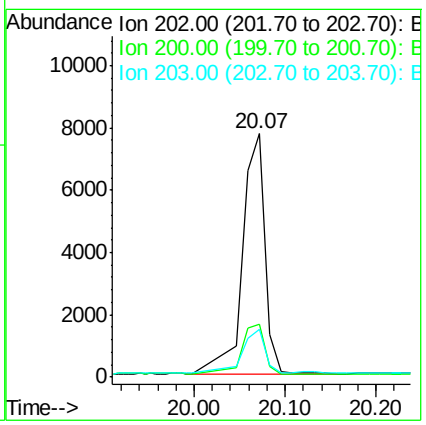


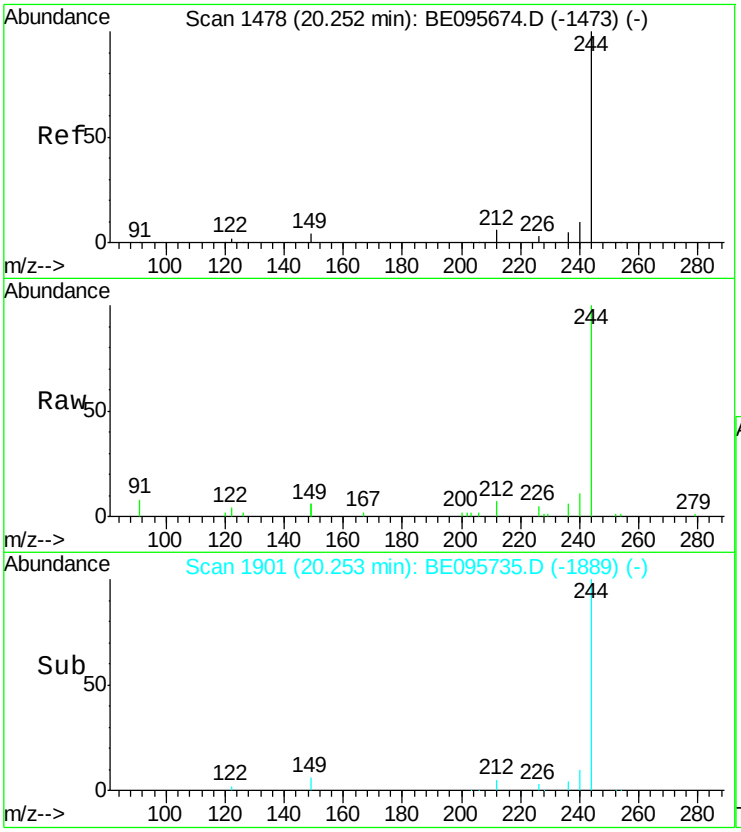


#28
Pyrene
Concen: 0.508 ng
RT: 20.07 min Scan# 1886
Delta R.T. 0.01 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion:202 Resp: 14827

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.6	25.0
203	20.3	13.8	20.8



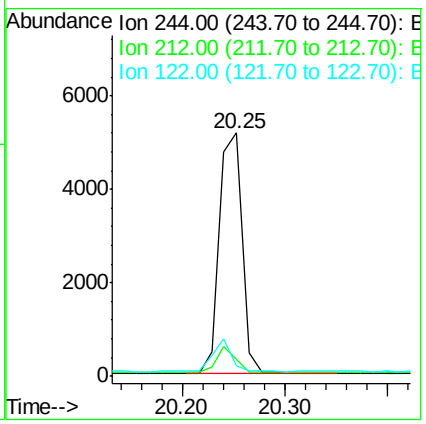


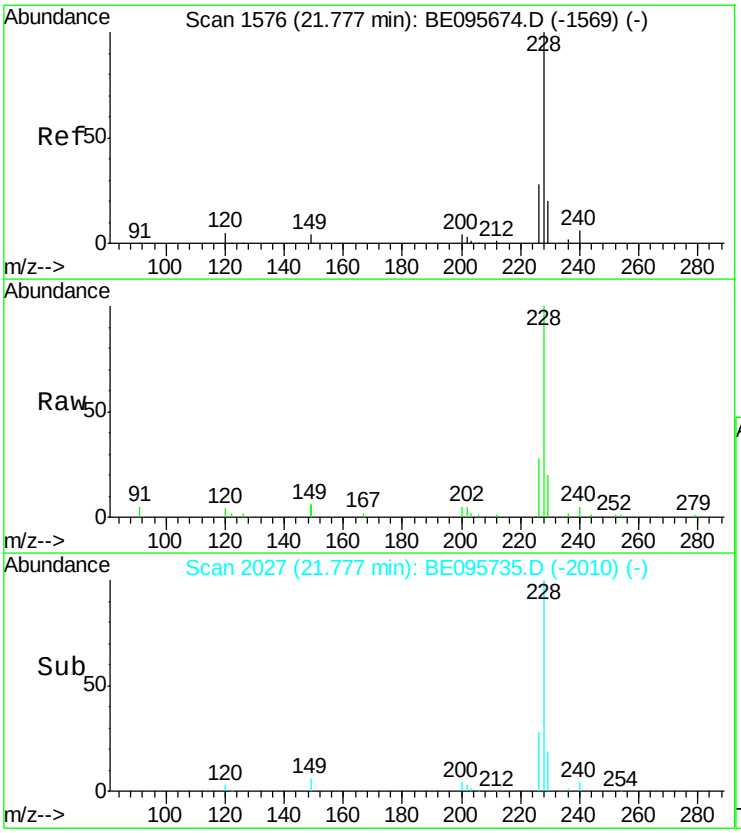
#29
Terphenyl-d14
Concen: 0.555 ng
RT: 20.25 min Scan# 1901
Delta R.T. 0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion:244 Resp: 7897

Ion	Ratio	Lower	Upper
244	100		
212	6.8	25.4	38.0#
122	4.4	8.1	12.1#

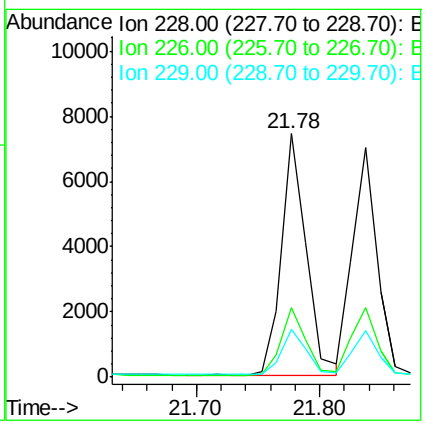


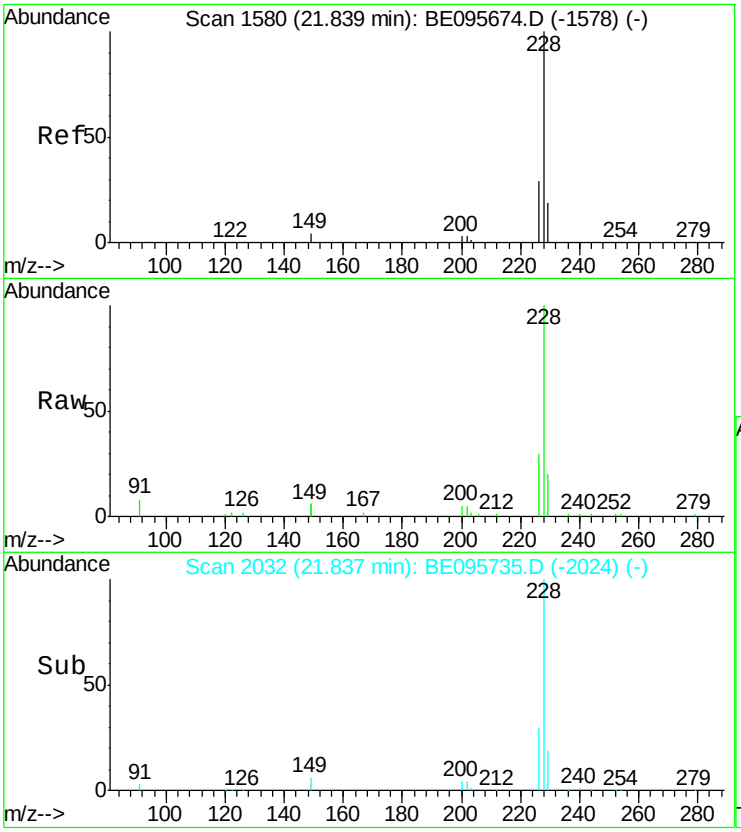


#30
Benzo(a)anthracene
Concen: 0.447 ng
RT: 21.78 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion:228 Resp: 10407

Ion	Ratio	Lower	Upper
228	100		
226	28.3	24.0	36.0
229	19.8	16.0	24.0



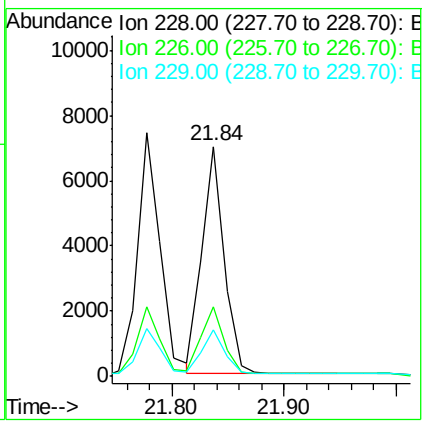


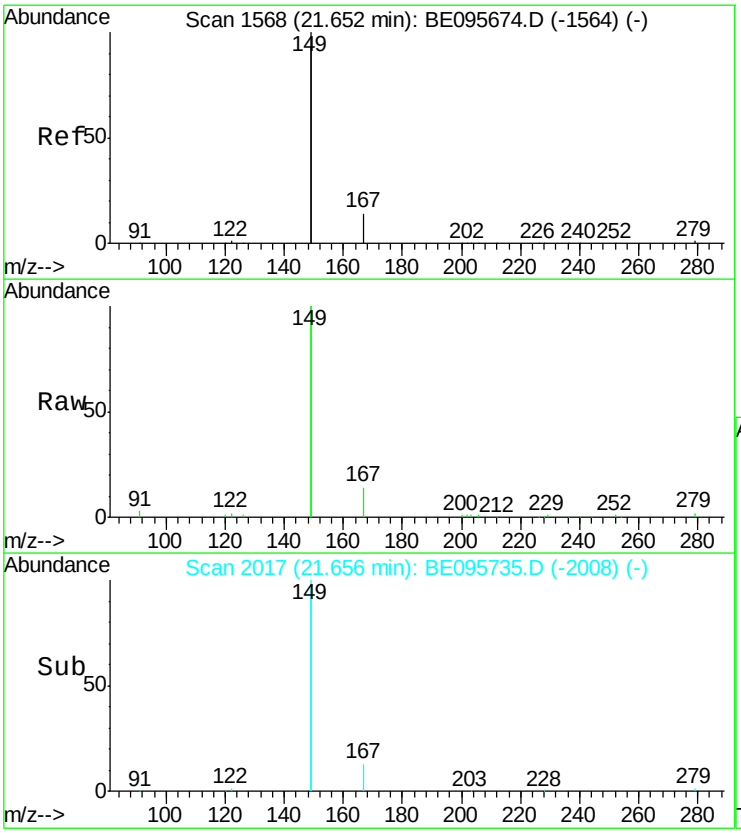
#31
Chrysene
Concen: 0.417 ng
RT: 21.84 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion:228 Resp: 9660

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	20.2	16.0	24.0

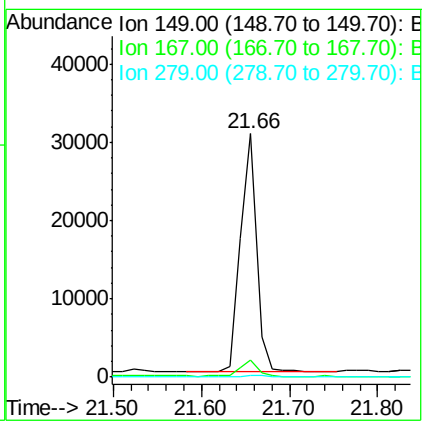


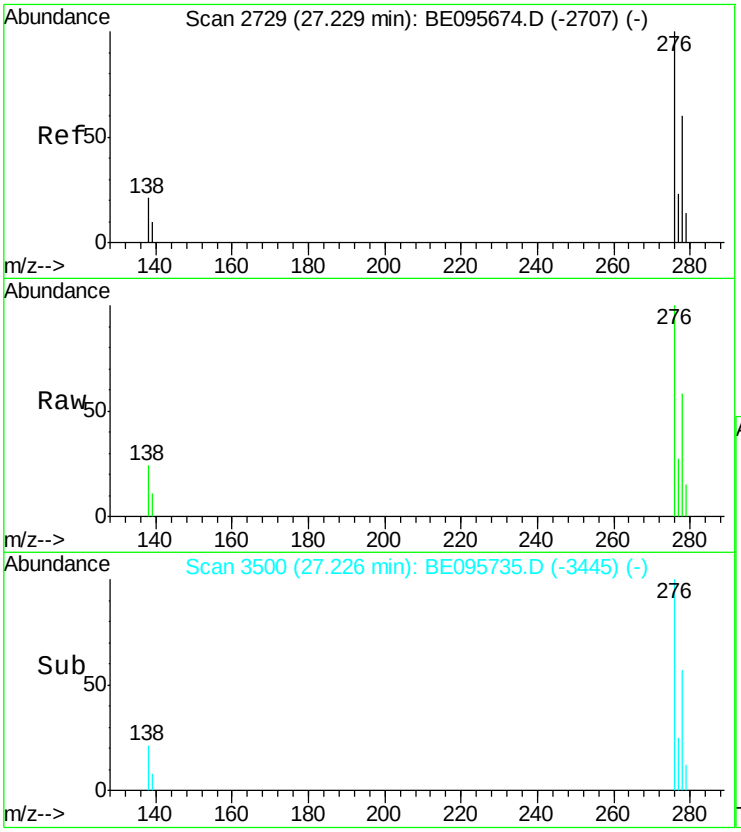


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.935 ng
RT: 21.66 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion:149 Resp: 38530

Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.4	8.0
279	0.9	0.7	1.1



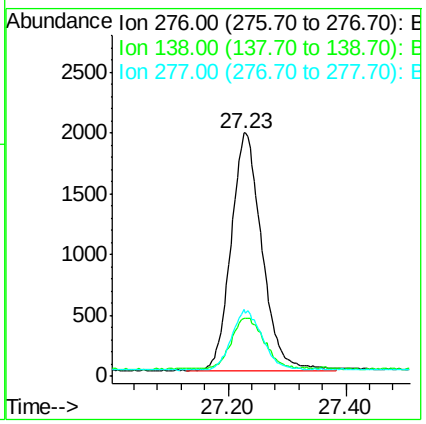


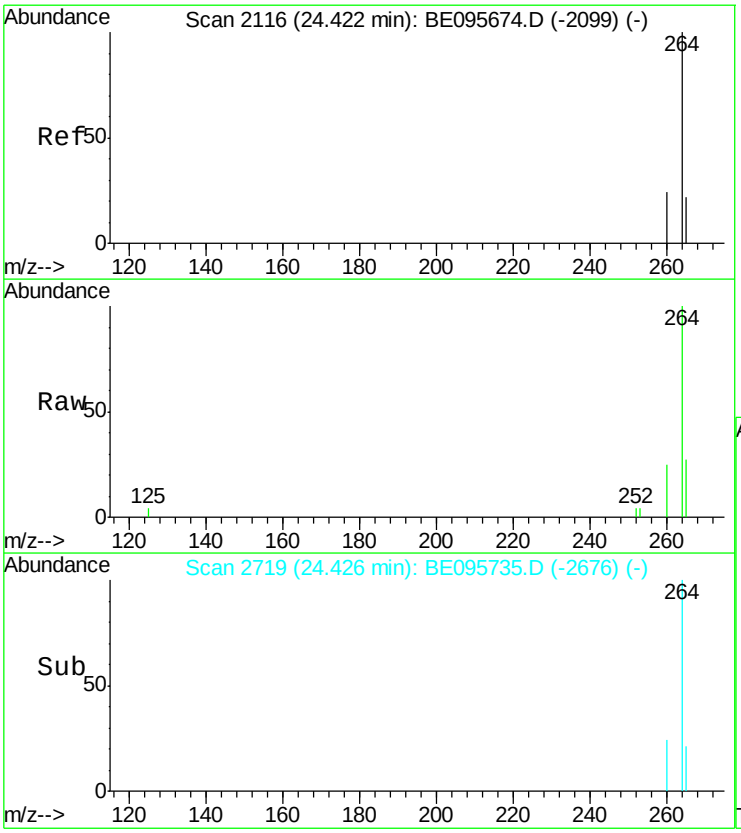
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.316 ng
RT: 27.23 min Scan# 3500
Delta R.T. -0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion:276 Resp: 7105

Ion	Ratio	Lower	Upper
276	100		
138	22.4	22.5	33.7#
277	24.9	19.9	29.9

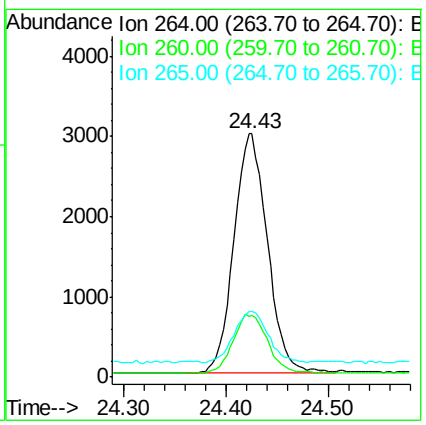


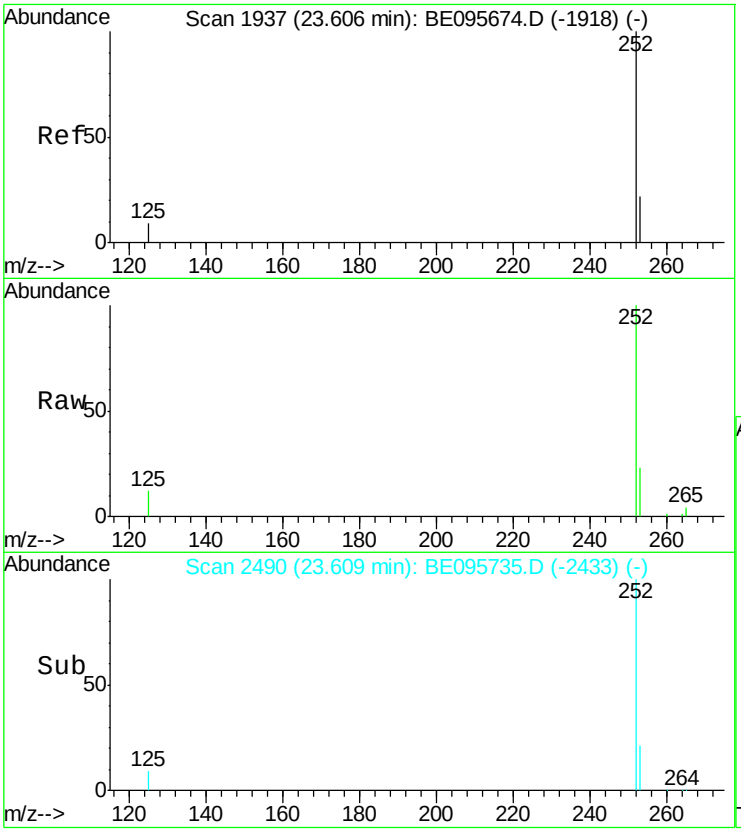


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2719
Delta R.T. 0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion:264 Resp: 6818

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.5	30.7
265	27.0	22.8	34.2



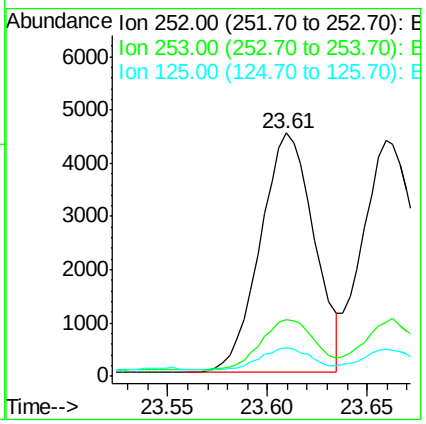


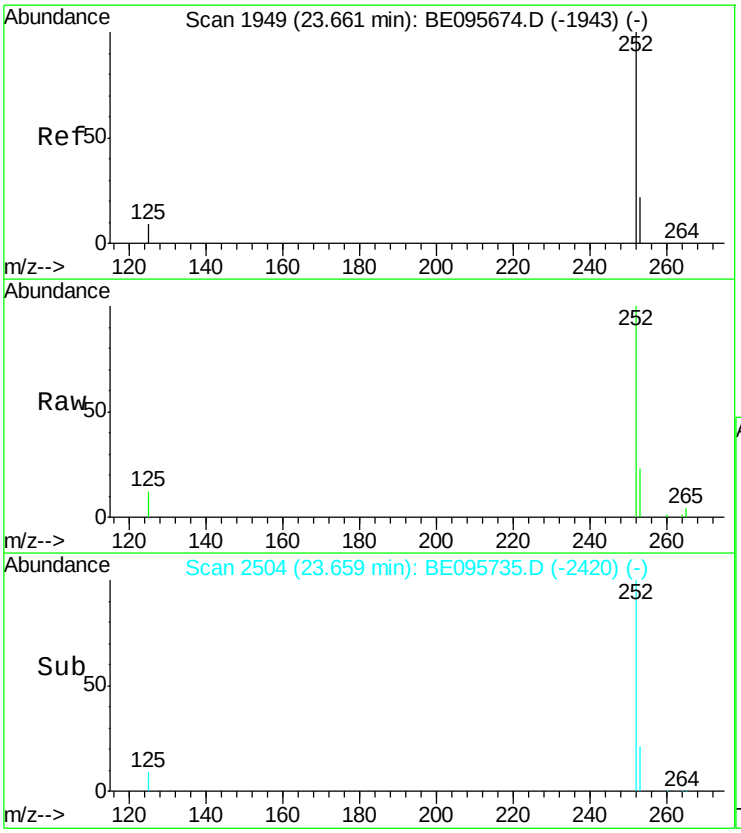
#35
Benzo(b)fluoranthene
Concen: 0.347 ng
RT: 23.61 min Scan# 2490
Delta R.T. 0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion:252 Resp: 8427

Ion	Ratio	Lower	Upper
252	100		
253	23.1	20.0	30.0
125	11.6	16.0	24.0#

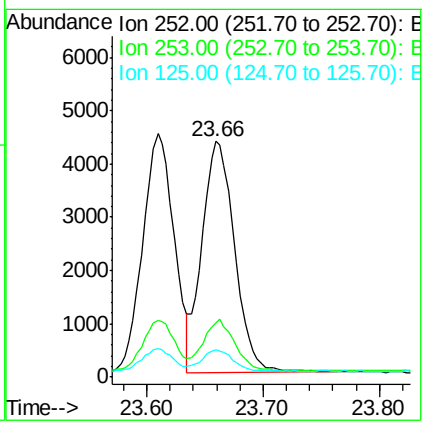


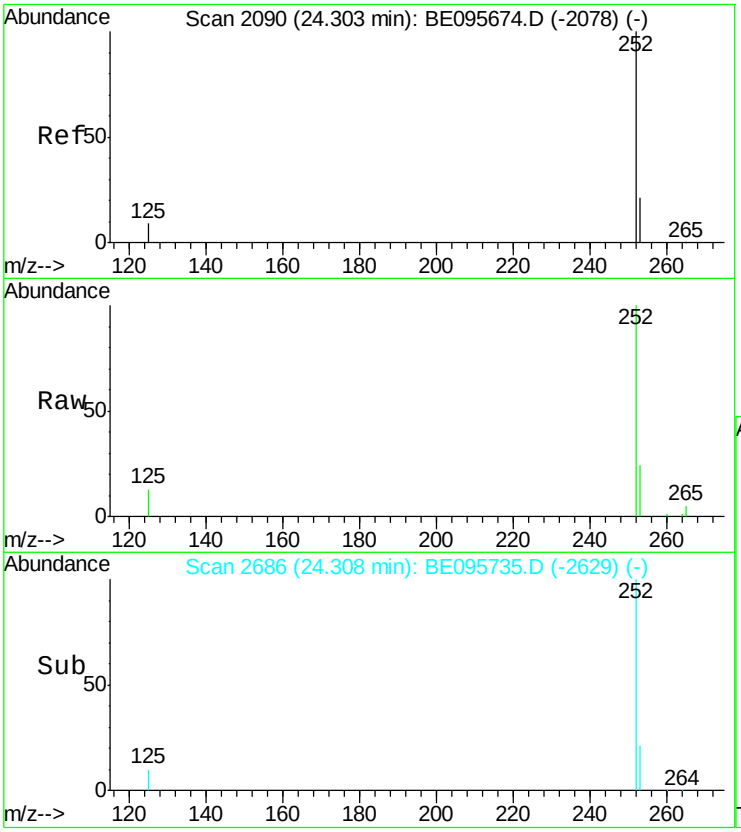


#36
Benzo(k)fluoranthene
Concen: 0.350 ng
RT: 23.66 min Scan# 2504
Delta R.T. -0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion:252 Resp: 8456

Ion	Ratio	Lower	Upper
252	100		
253	23.1	16.0	24.0
125	11.5	8.0	12.0



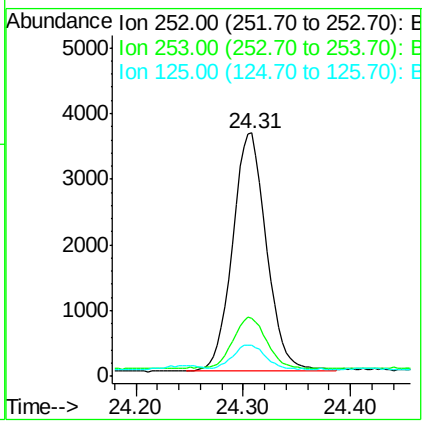


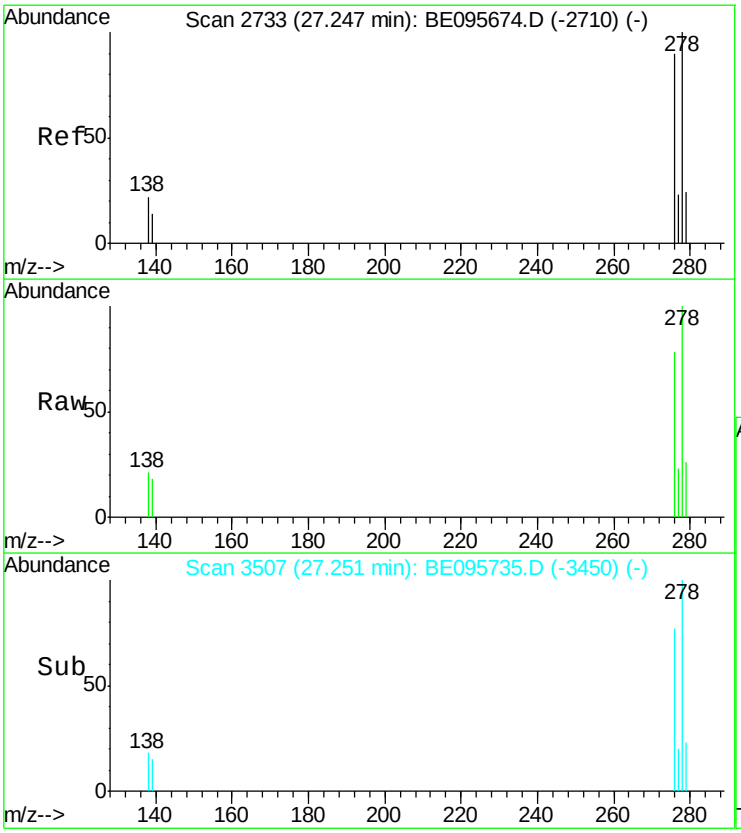
#37
Benzo(a)pyrene
Concen: 0.361 ng
RT: 24.31 min Scan# 2686
Delta R.T. 0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion:252 Resp: 7912

Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.0	24.0
125	12.6	12.0	18.0

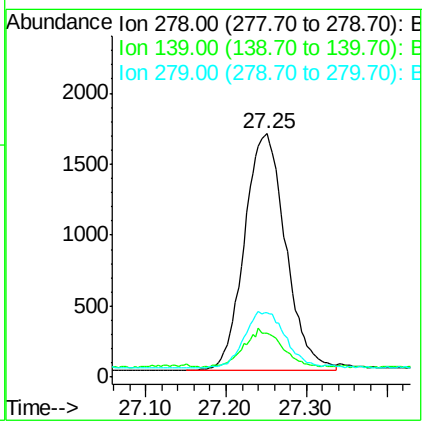


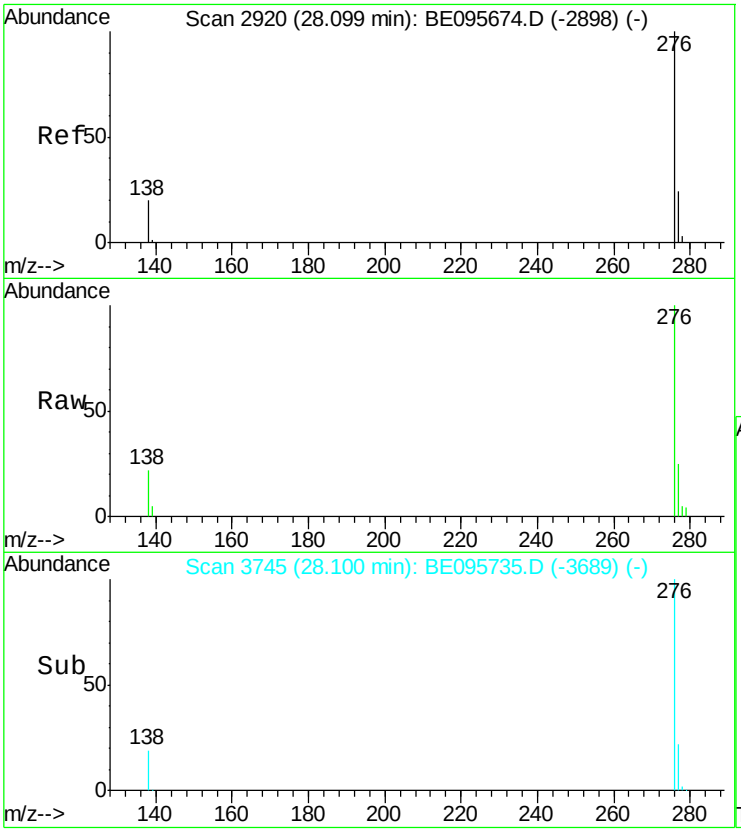


#38
Dibenzo(a,h)anthracene
Concen: 0.305 ng
RT: 27.25 min Scan# 3507
Delta R.T. 0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Tgt Ion:278 Resp: 5948

Ion	Ratio	Lower	Upper
278	100		
139	18.3	16.0	24.0
279	26.4	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.297 ng
RT: 28.10 min Scan# 3745
Delta R.T. 0.00 min
Lab File: BE095735.D
Acq: 12 Mar 2018 18:06

Instrument :
BNA_E
ClientSampleId :
C19013071MSD

Tgt Ion:276 Resp: 6195

Ion	Ratio	Lower	Upper
276	100		
277	24.8	16.0	24.0#
138	22.4	20.0	30.0