Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE122217\
Data File : BE095041.D
Acq On : 22 Dec 2017 12:18
Operator : SJ/JU
Sample : PB105289BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB105289BS

Quant Time: Dec 22 17:39:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 18:42:53 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	6611	0.40	ng		-0.01
7) Naphthalene-d8	11.31	136	14341	0.40	ng		-0.02
13) Acenaphthene-d10	15.05	164	7100	0.40	ng		-0.01
19) Phenanthrene-d10	17.74	188	16552	0.40	ng		-0.03
27) Chrysene-d12	21.84	240	17226	0.40	ng		-0.03
34) Perylene-d12	24.49	264	14899	0.40	ng		-0.05
System Monitoring Compounds							
4) 2-Fluorophenol	5.94	112	3097	0.30	ng		-0.01
5) Phenol-d6	7.58	99	4230	0.28	ng		-0.01
8) Nitrobenzene-d5	9.63	82	3916	0.33	ng		-0.02
11) 2-Methylnaphthalene-d10	12.84	152	6933	0.30	ng		-0.02
14) 2,4,6-Tribromophenol	16.50	330	450	0.27	ng		-0.03
15) 2-Fluorobiphenyl	13.68	172	10626	0.34	ng		-0.01
25) Fluoranthene-d10	19.72	212	64260	0.30	ng		-0.03
29) Terphenyl-d14	20.28	244	12544	0.39	ng		-0.03
Target Compounds							Qvalue
2) 1,4-Dioxane	3.66	88	1747	0.268	ng	#	46
3) n-Nitrosodimethylamine	4.01	42	2240	0.291	ng	#	97
6) bis(2-Chloroethyl)ether	7.85	93	4437	0.298	ng		98
9) Naphthalene	11.36	128	49597	0.295	ng		99
10) Hexachlorobutadiene	11.61	225	2288	0.299	ng		96
12) 2-Methylnaphthalene	12.91	142	11516	0.274	ng		95
16) Acenaphthylene	14.76	152	10947	0.288	ng		99
17) Acenaphthene	15.11	154	7340	0.292	ng		96
18) Fluorene	16.07	166	9206	0.294	ng	#	78
20) 4-Bromophenyl-phenylether	16.94	248	2991	0.309	ng	#	88
21) Hexachlorobenzene	17.06	284	2923	0.295	ng	#	82
22) Pentachlorophenol	17.40	266	1043	0.505	ng	#	73
23) Phenanthrene	17.79	178	15893	0.308	ng		99
24) Anthracene	17.88	178	15817	0.299	ng	#	89
26) Fluoranthene	19.75	202	18899	0.297	ng		98
28) Pyrene	20.10	202	20671	0.354	ng		95
30) Benzo(a)anthracene	21.82	228	16906	0.336	ng	#	62
31) Chrysene	21.89	228	19427	0.343	ng	#	64
32) Bis(2-ethylhexyl)phthalate	21.70	149	18593	0.290	ng		99
33) Indeno(1,2,3-cd)pyrene	27.33	276	16454	0.357	ng		97
35) Benzo(b)fluoranthene	23.67	252	16427	0.300	ng	#	90
36) Benzo(k)fluoranthene	23.72	252	16356	0.295	ng	#	93
37) Benzo(a)pyrene	24.38	252	15198	0.313	ng		94
38) Dibenzo(a,h)anthracene	27.35	278	12772	0.284	ng		100
39) Benzo(g,h,i)perylene	28.21	276	14060	0.314	ng		94

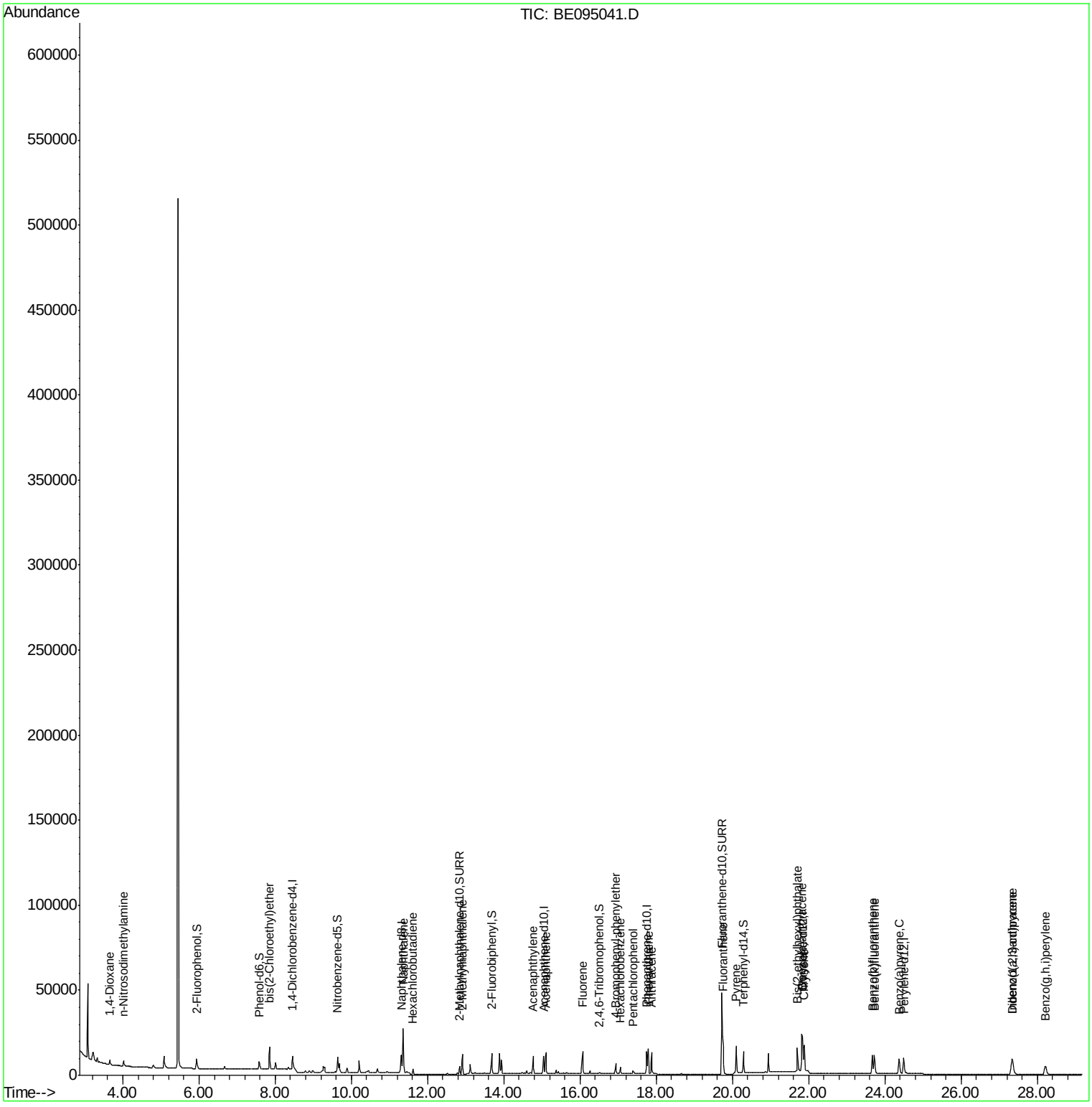
(#) = qualifier out of range (m) = manual integration (+) = signals summed

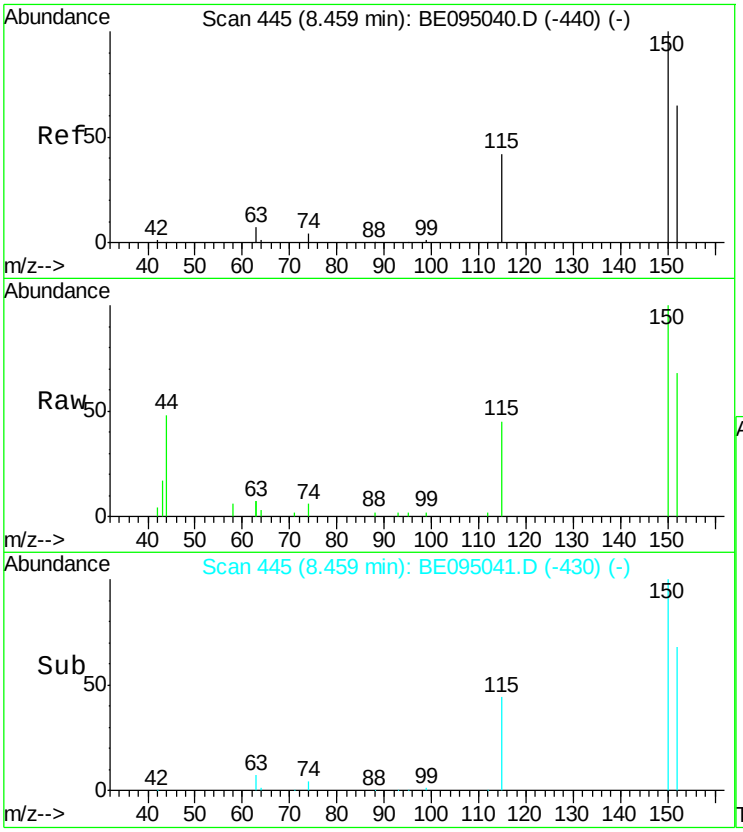
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE122217\
Data File : BE095041.D
Acq On : 22 Dec 2017 12:18
Operator : SJ/JU
Sample : PB105289BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Quant Time: Dec 22 17:39:15 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 18:42:53 2017
Response via : Initial Calibration



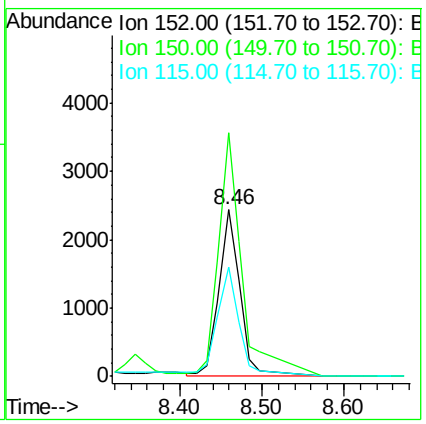


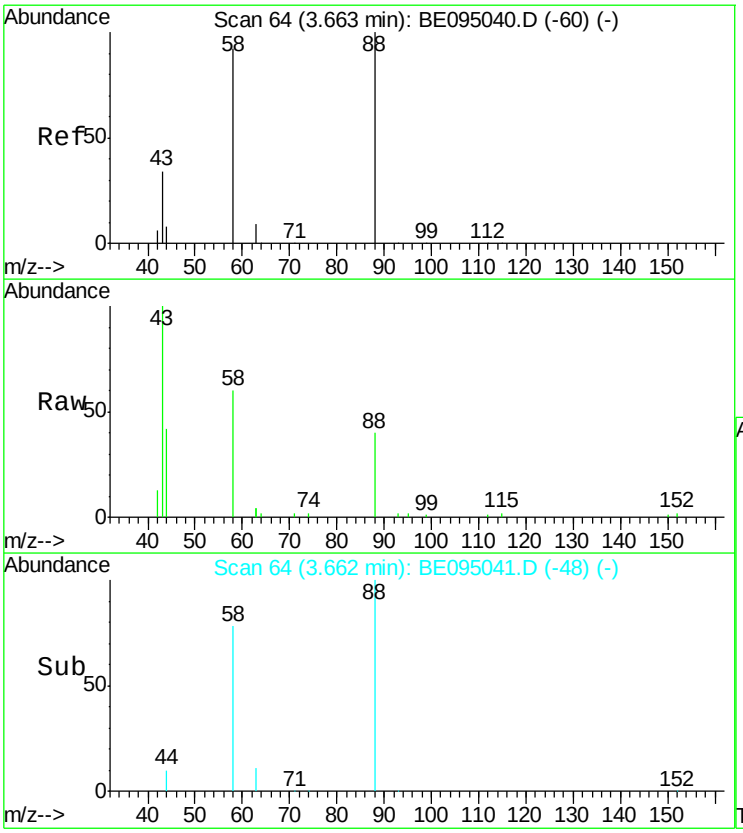
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.46 min Scan# 445
Delta R.T. -0.01 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion:152 Resp: 6611

Ion	Ratio	Lower	Upper
152	100		
150	146.2	117.2	175.8
115	65.4	57.0	85.6

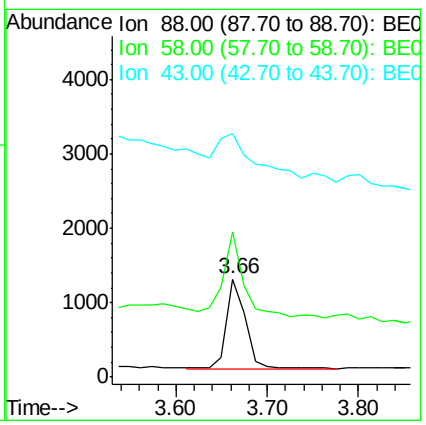


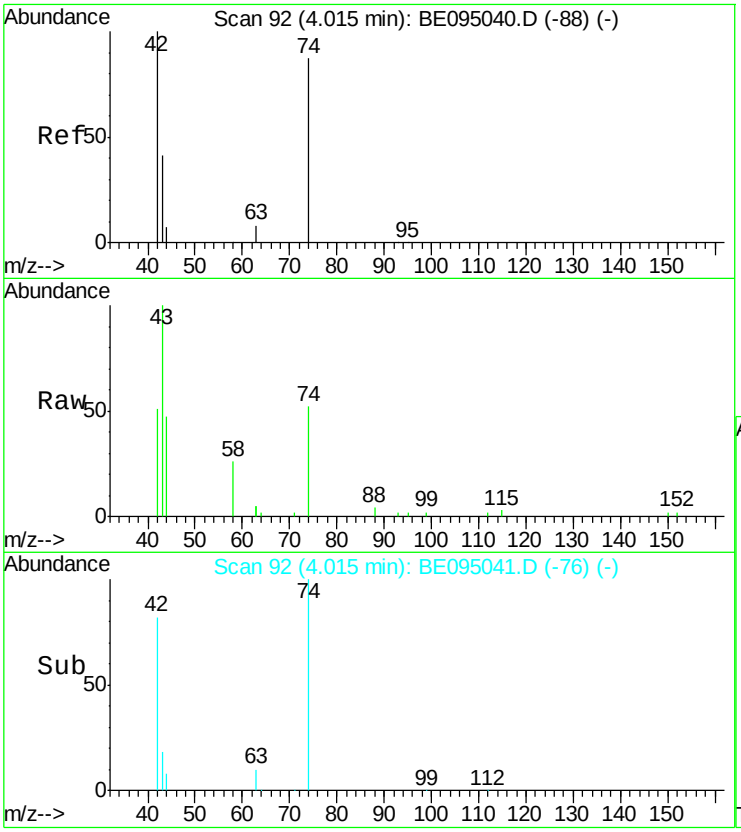


#2
1,4-Dioxane
Concen: 0.268 ng
RT: 3.66 min Scan# 64
Delta R.T. 0.00 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion: 88 Resp: 1747

Ion	Ratio	Lower	Upper
88	100		
58	106.1	63.2	94.8#
43	113.9	41.2	61.8#



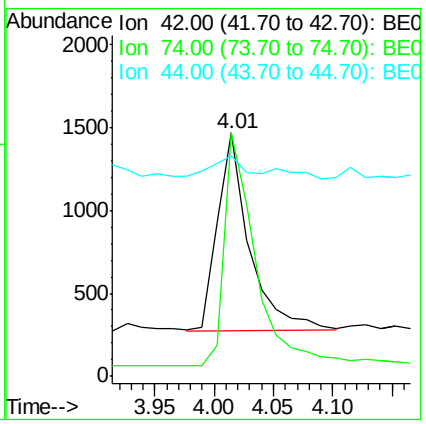


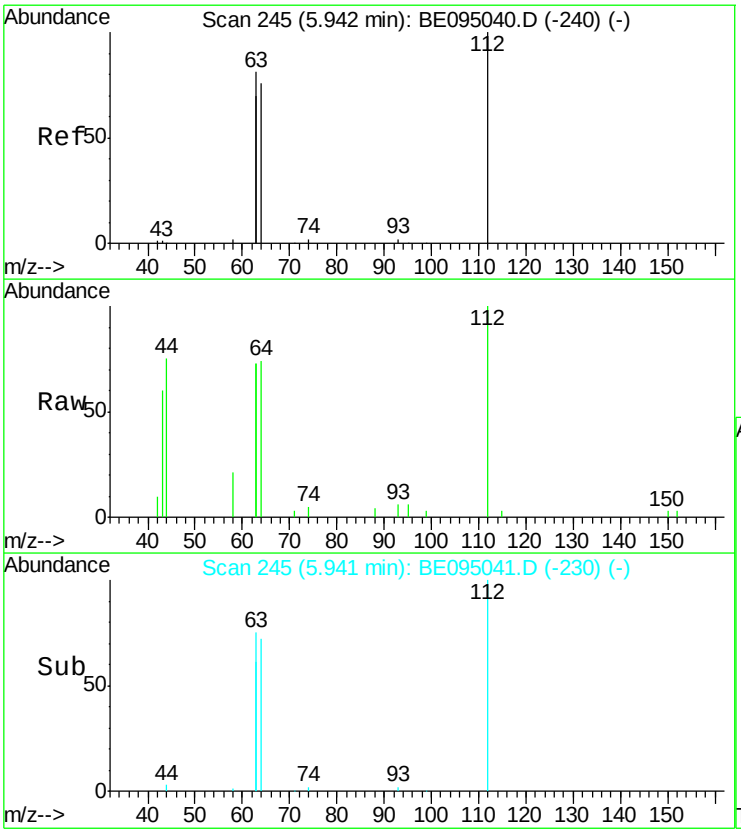
#3
n-Nitrosodimethylamine
Concen: 0.291 ng
RT: 4.01 min Scan# 92
Delta R.T. 0.00 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion: 42 Resp: 2240

Ion	Ratio	Lower	Upper
42	100		
74	118.2	96.0	144.0
44	10.4	12.0	18.0#

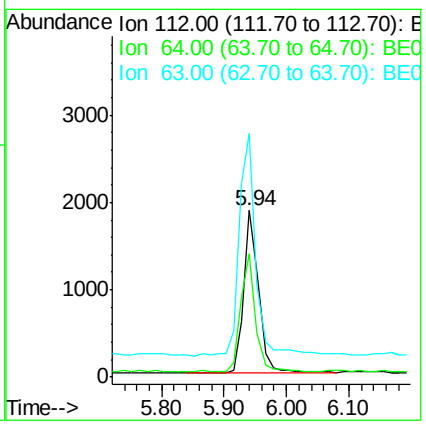


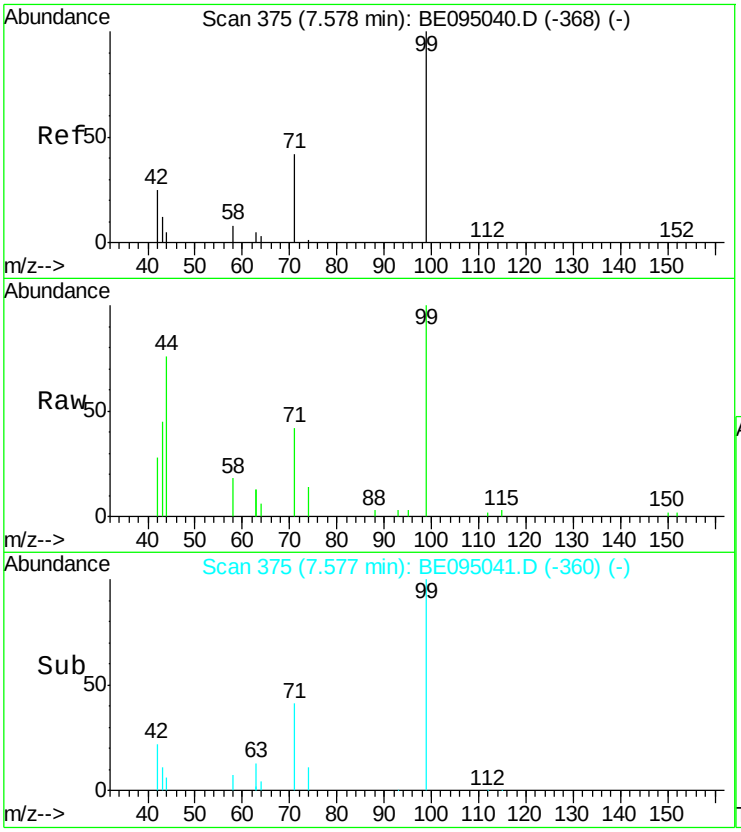


#4
2-Fluorophenol
Concen: 0.302 ng
RT: 5.94 min Scan# 245
Delta R.T. -0.01 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion:112 Resp: 3097

Ion	Ratio	Lower	Upper
112	100		
64	70.6	60.1	90.1
63	153.2	116.8	175.2



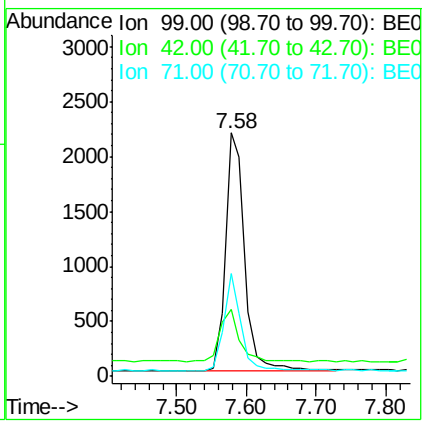


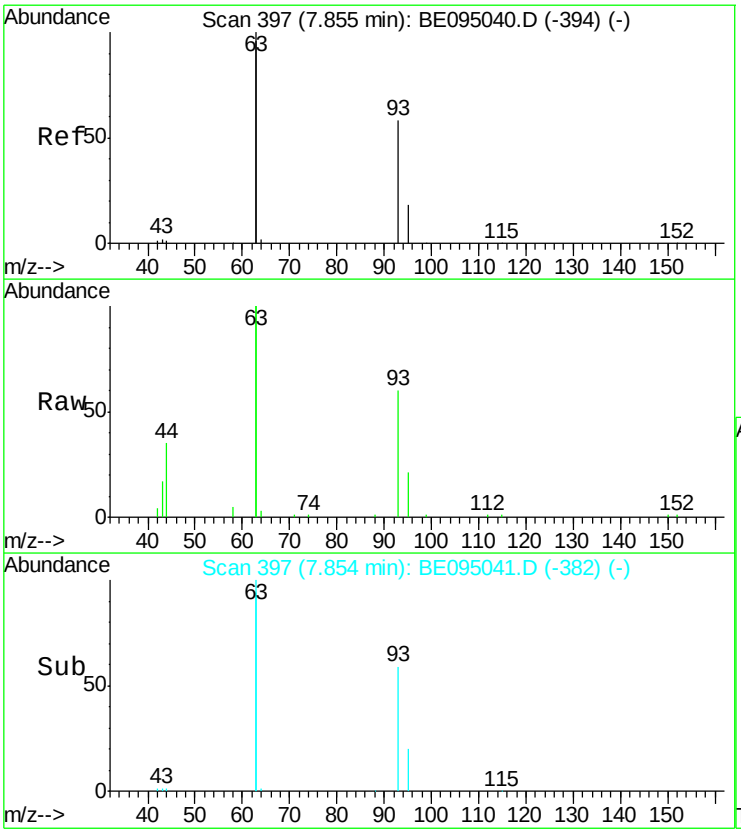
#5
Phenol-d6
Concen: 0.277 ng
RT: 7.58 min Scan# 375
Delta R.T. -0.01 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion: 99 Resp: 4230

Ion	Ratio	Lower	Upper
99	100		
42	22.8	20.2	30.2
71	36.8	28.4	42.6

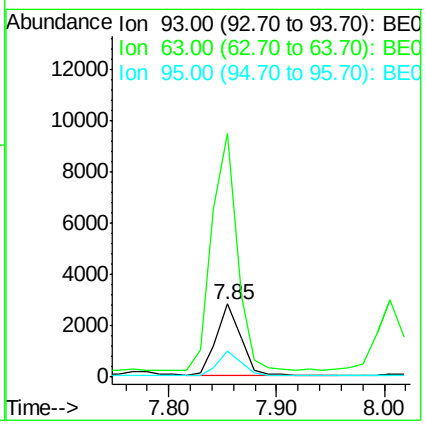


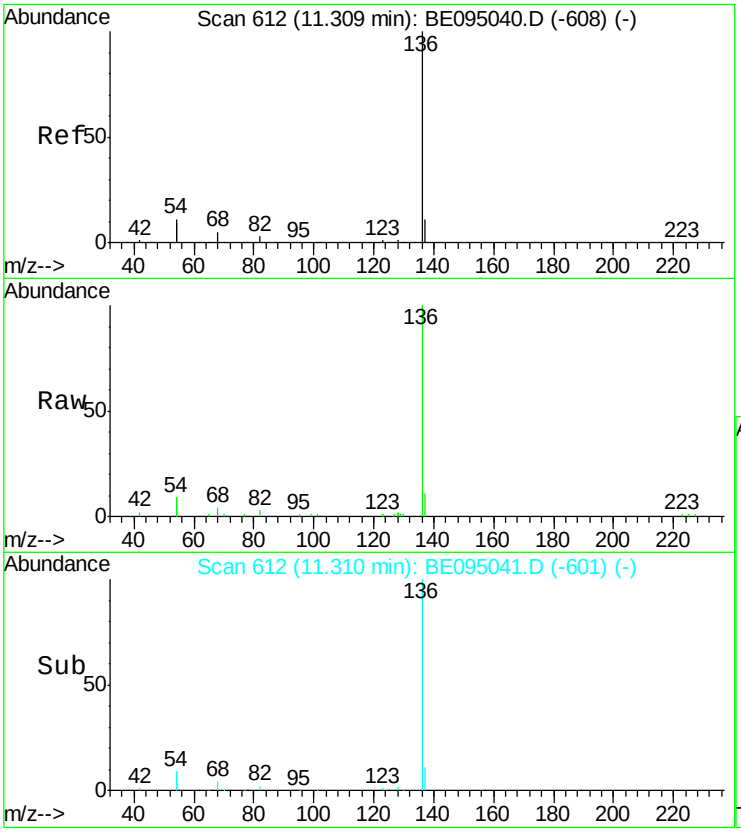


#6
bis(2-Chloroethyl)ether
Concen: 0.298 ng
RT: 7.85 min Scan# 397
Delta R.T. -0.01 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion: 93 Resp: 4437

Ion	Ratio	Lower	Upper
93	100		
63	339.0	275.3	412.9
95	32.6	25.2	37.8



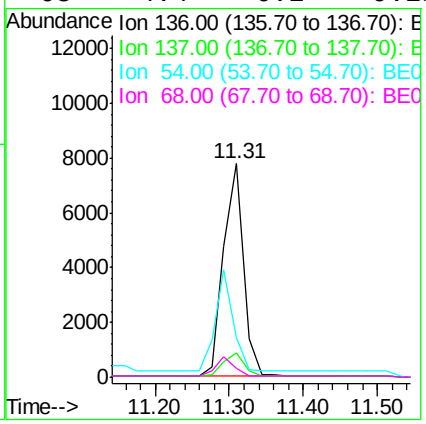


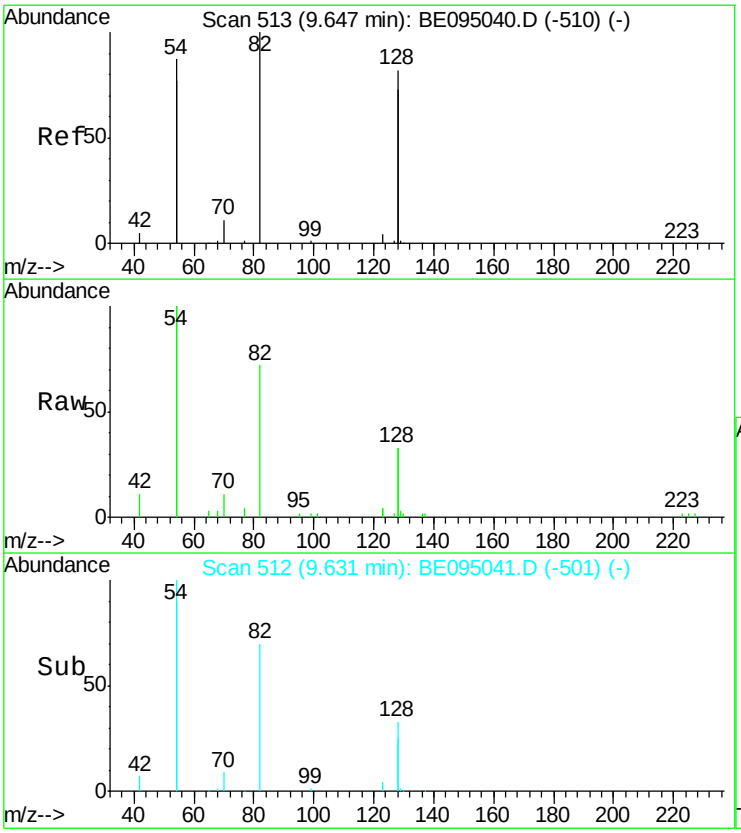
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.31 min Scan# 612
Delta R.T. -0.02 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion:136 Resp: 14341

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.5	14.3
54	18.8	29.1	43.7#
68	4.4	6.2	9.2#

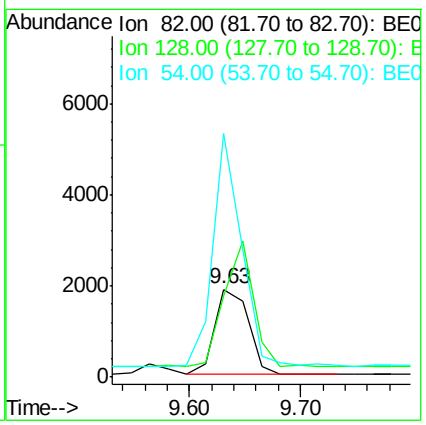


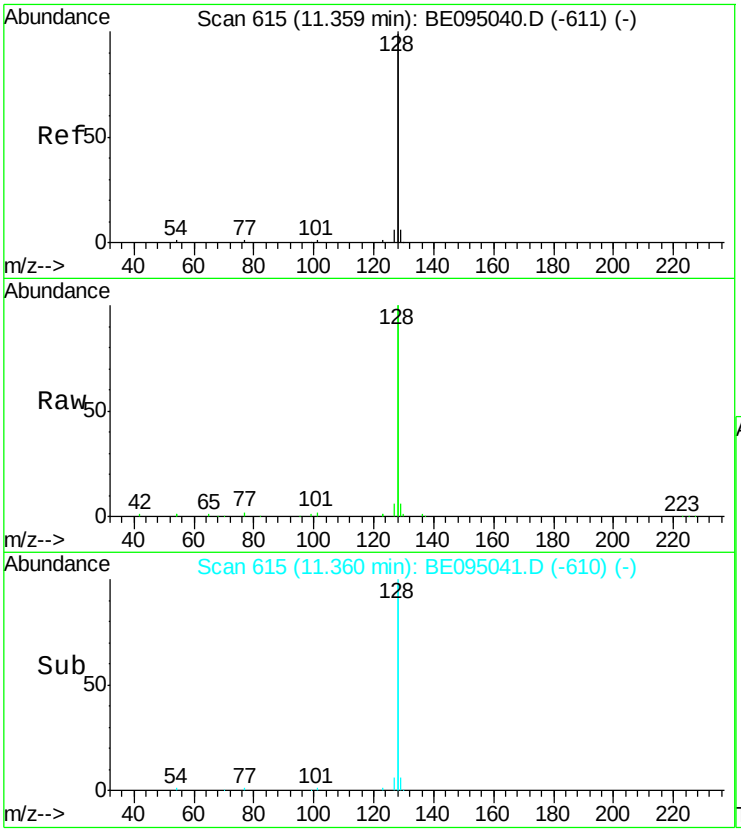


#8
Nitrobenzene-d5
Concen: 0.333 ng
RT: 9.63 min Scan# 512
Delta R.T. -0.02 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion: 82 Resp: 3916

Ion	Ratio	Lower	Upper
82	100		
128	91.8	150.0	225.0#
54	276.9	154.2	231.4#



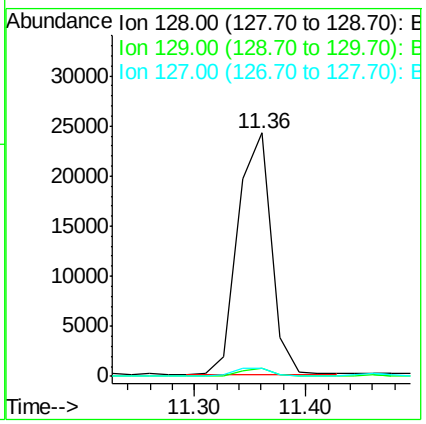


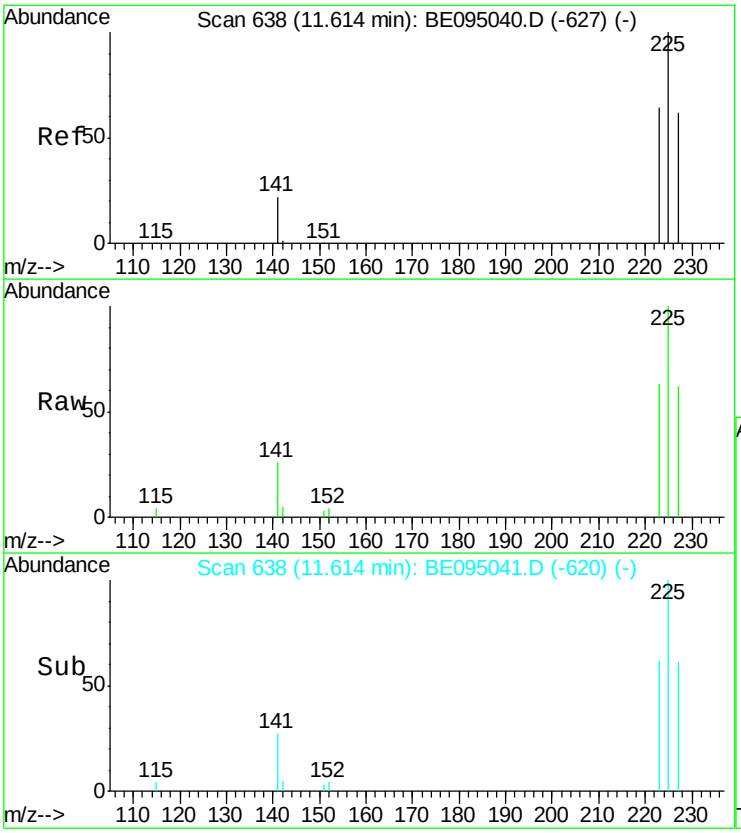
#9
Naphthalene
Concen: 0.295 ng
RT: 11.36 min Scan# 615
Delta R.T. -0.02 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion:128 Resp: 49597

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.6	3.8
127	3.2	2.8	4.2

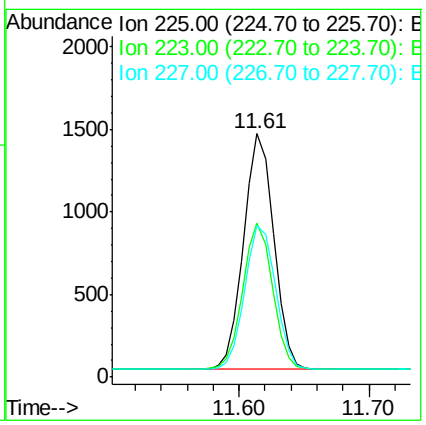


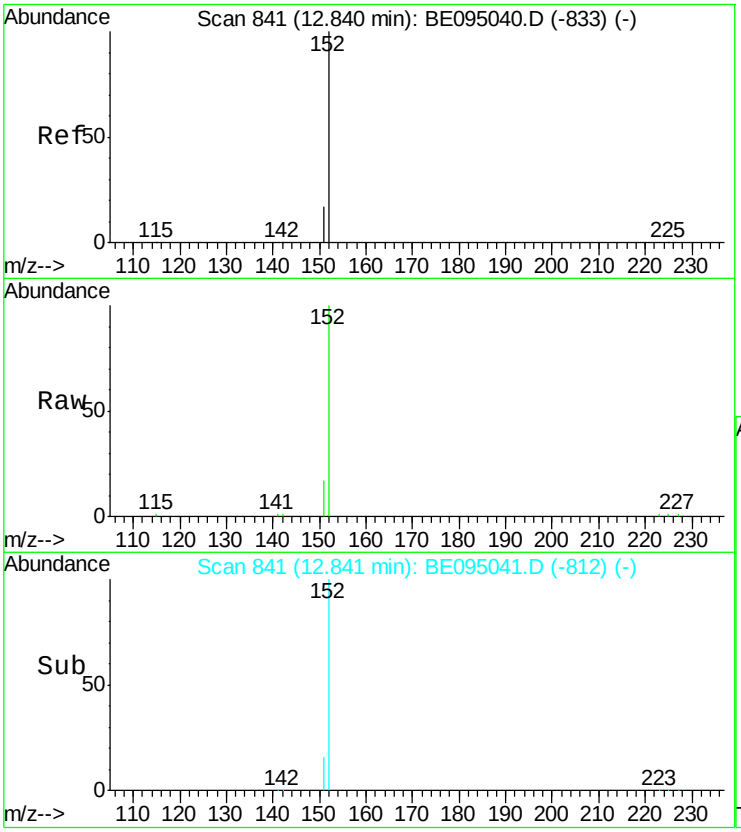


#10
Hexachlorobutadiene
Concen: 0.299 ng
RT: 11.61 min Scan# 638
Delta R.T. -0.02 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion:225 Resp: 2288

Ion	Ratio	Lower	Upper
225	100		
223	61.1	53.0	79.6
227	62.7	51.4	77.2



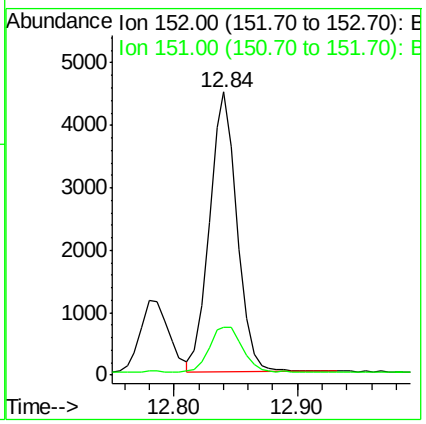


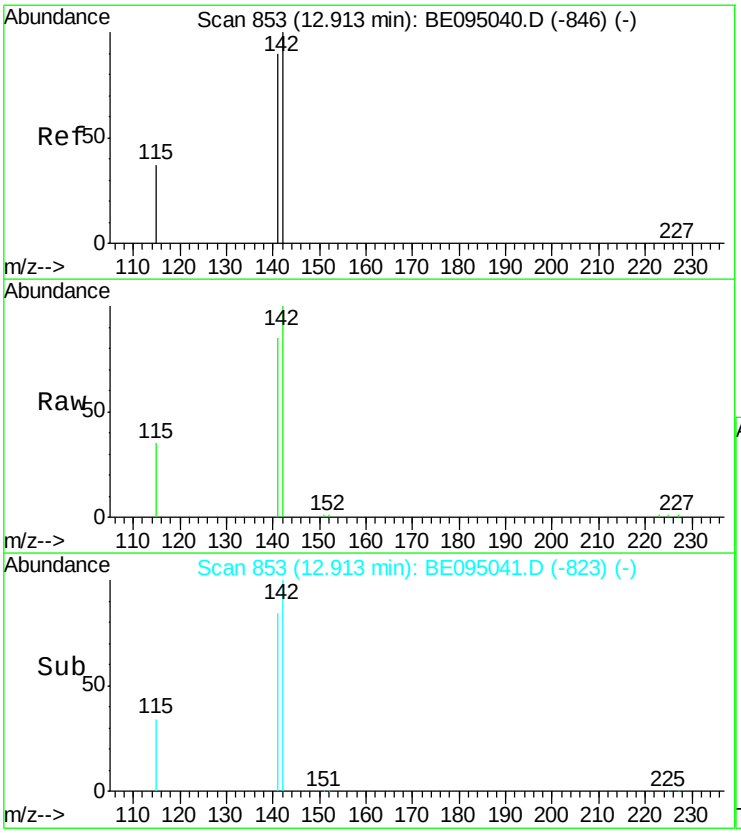
#11
2-Methylnaphthalene-d10
Concen: 0.295 ng
RT: 12.84 min Scan# 841
Delta R.T. -0.02 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion:152 Resp: 6933

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.0

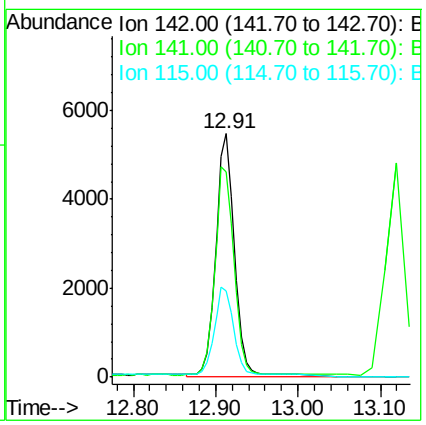


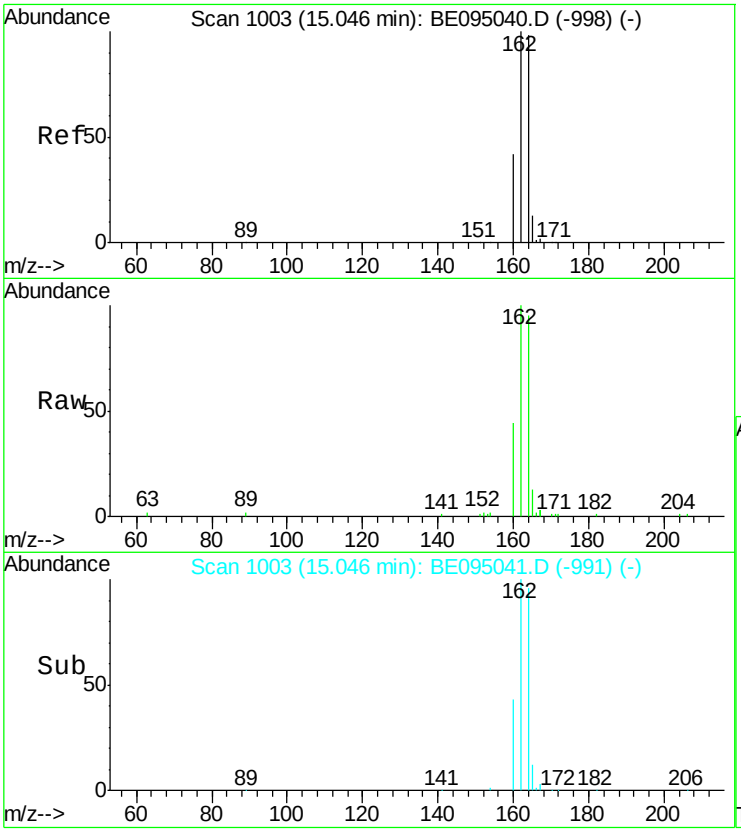


#12
2-Methylnaphthalene
Concen: 0.274 ng
RT: 12.91 min Scan# 853
Delta R.T. -0.02 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion:142 Resp: 11516

Ion	Ratio	Lower	Upper
142	100		
141	84.5	70.4	105.6
115	35.3	31.7	47.5



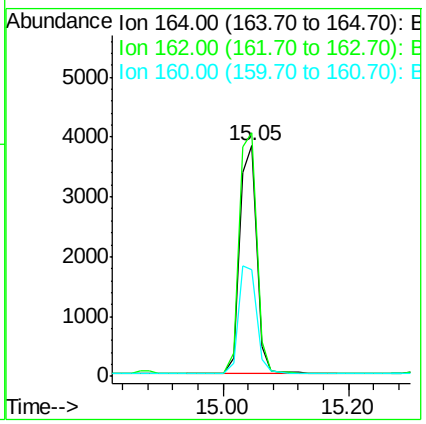


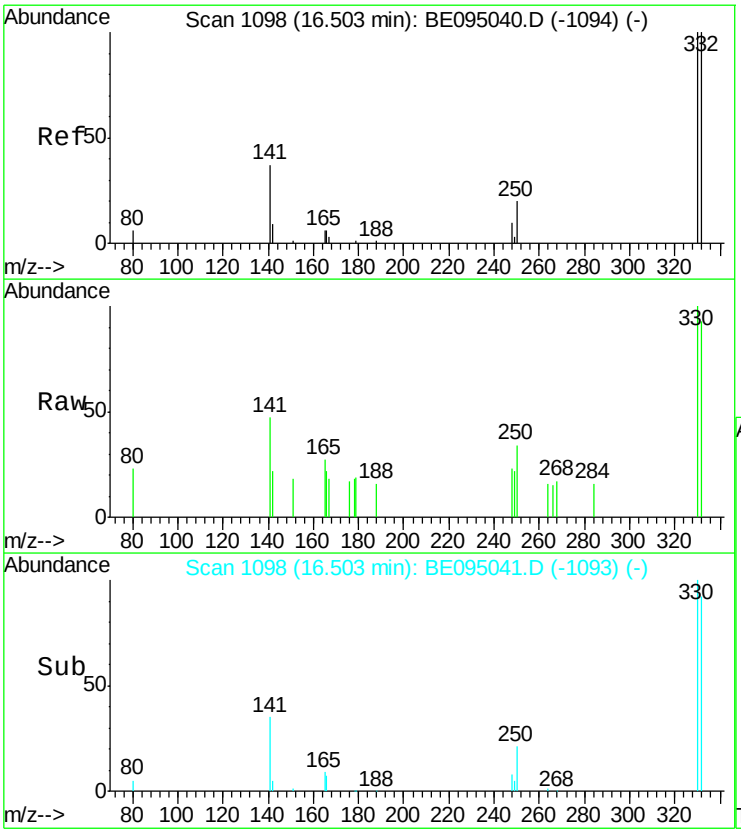
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.05 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion:164 Resp: 7100

Ion	Ratio	Lower	Upper
164	100		
162	105.7	83.1	124.7
160	46.2	37.1	55.7

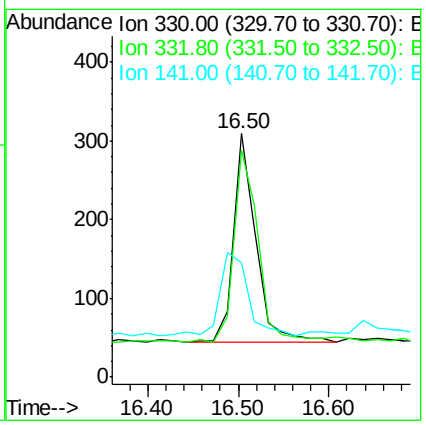


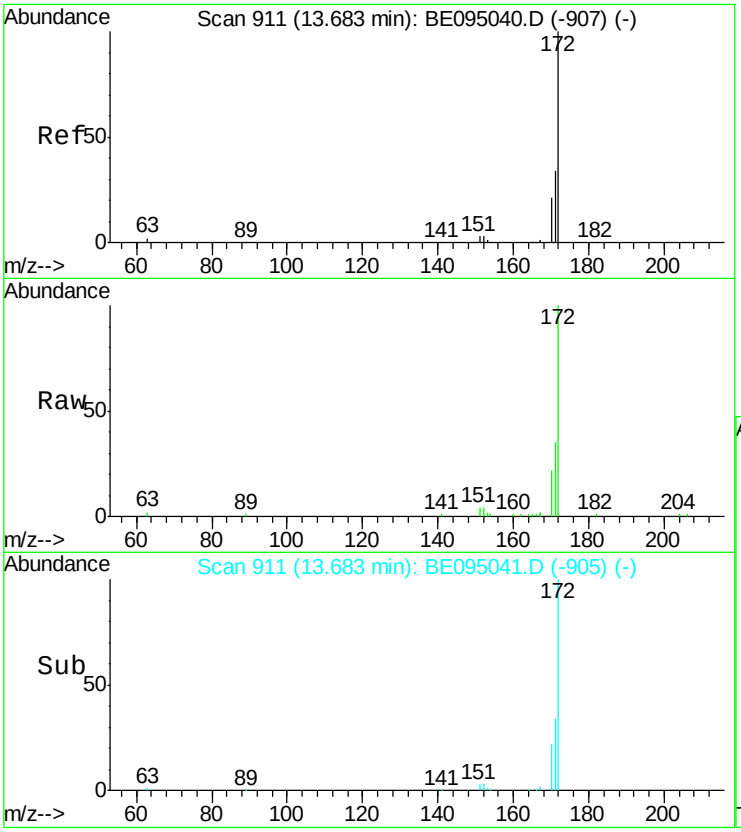


#14
2,4,6-Tribromophenol
Concen: 0.273 ng
RT: 16.50 min Scan# 1098
Delta R.T. -0.03 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion:330 Resp: 450

Ion	Ratio	Lower	Upper
330	100		
332	102.2	152.7	229.1#
141	48.2	33.7	50.5



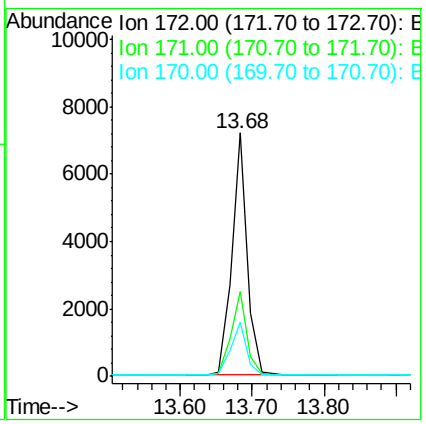


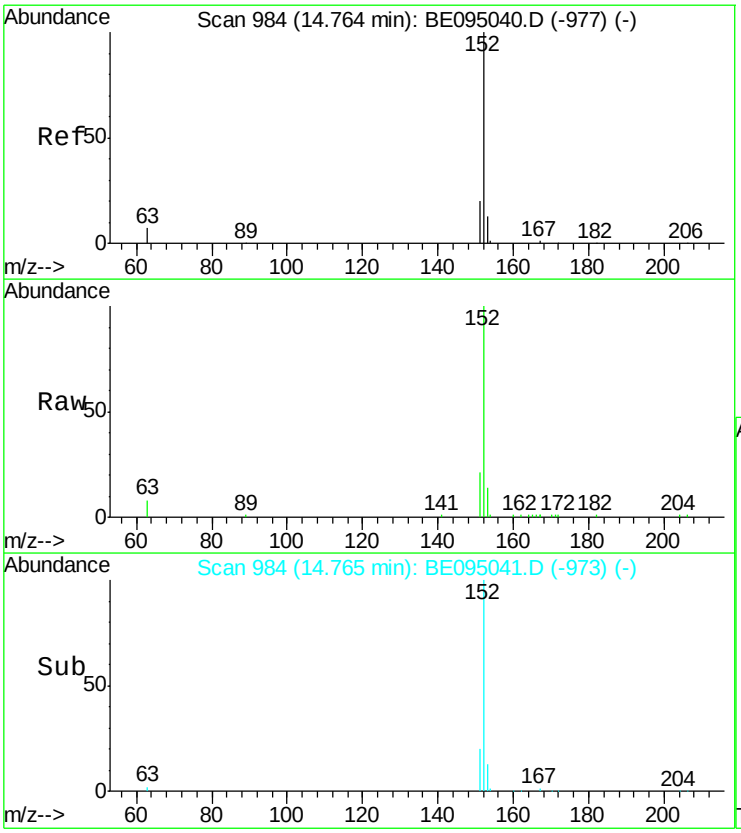
#15
2-Fluorobiphenyl
Concen: 0.338 ng
RT: 13.68 min Scan# 911
Delta R.T. -0.01 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion:172 Resp: 10626

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.9	44.9
170	22.2	21.8	32.8

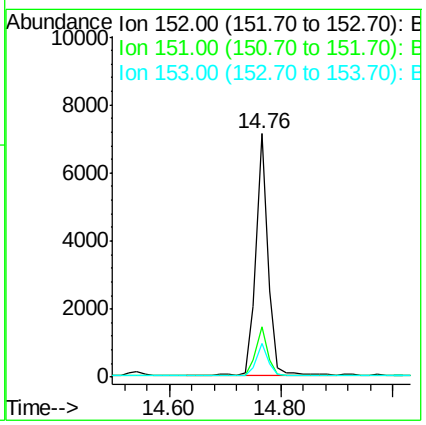


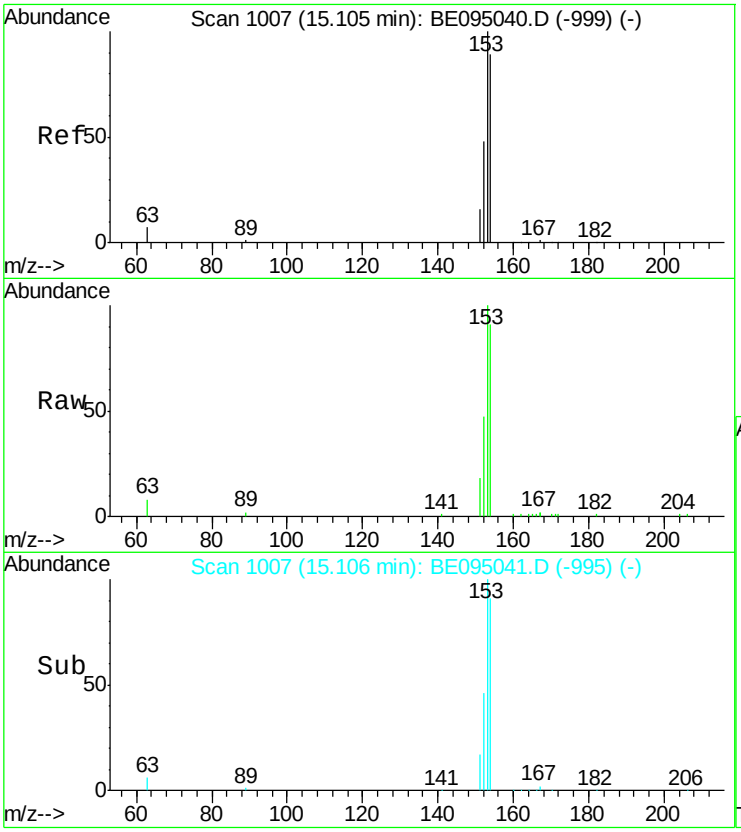


#16
Acenaphthylene
Concen: 0.288 ng
RT: 14.76 min Scan# 984
Delta R.T. -0.03 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion:152 Resp: 10947

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.7	10.5	15.7



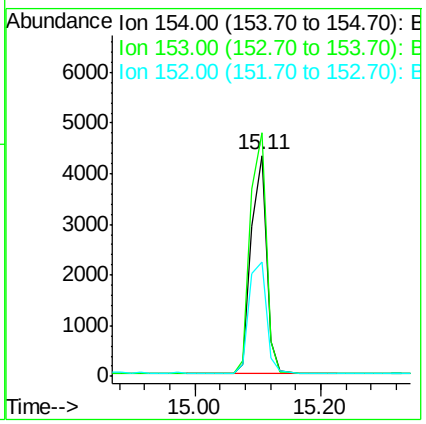


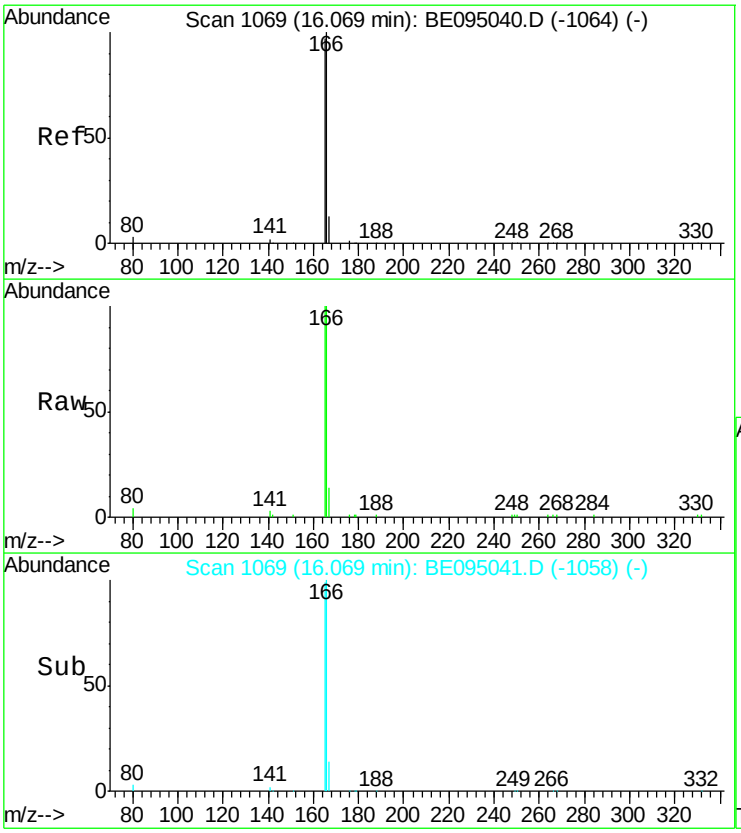
#17
Acenaphthene
Concen: 0.292 ng
RT: 15.11 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion:154 Resp: 7340

Ion	Ratio	Lower	Upper
154	100		
153	114.0	89.2	133.8
152	57.9	42.0	63.0

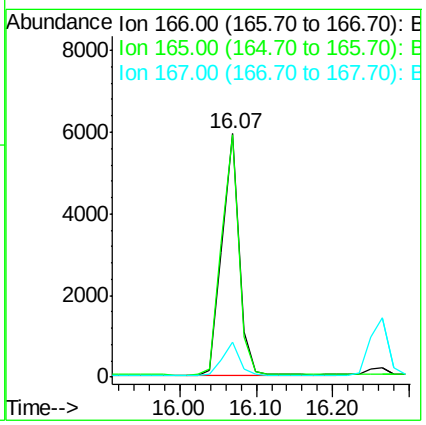


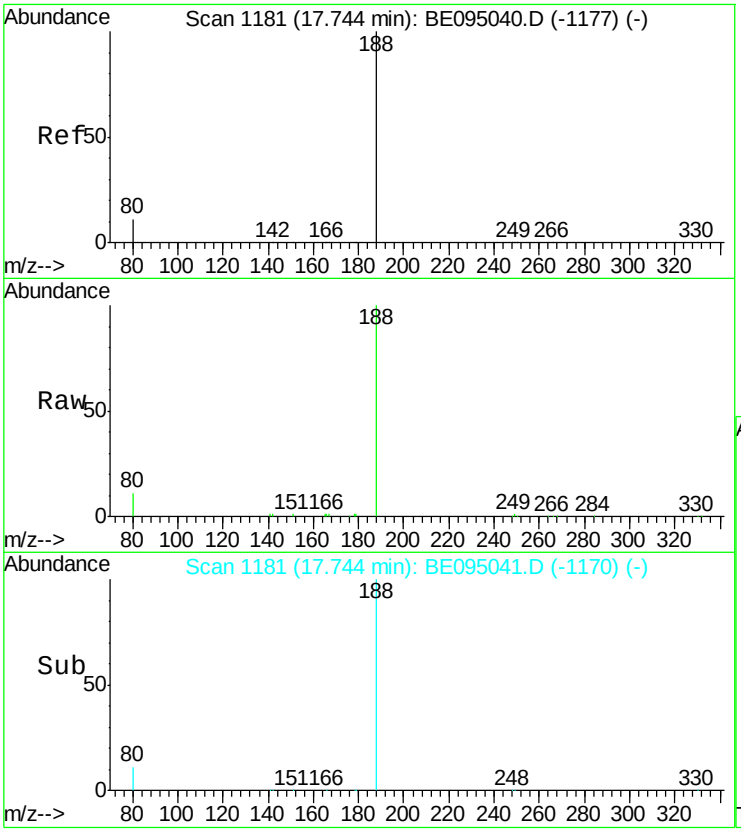


#18
Fluorene
Concen: 0.294 ng
RT: 16.07 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion:166 Resp: 9206

Ion	Ratio	Lower	Upper
166	100		
165	100.8	77.8	116.6
167	13.4	42.4	63.6#



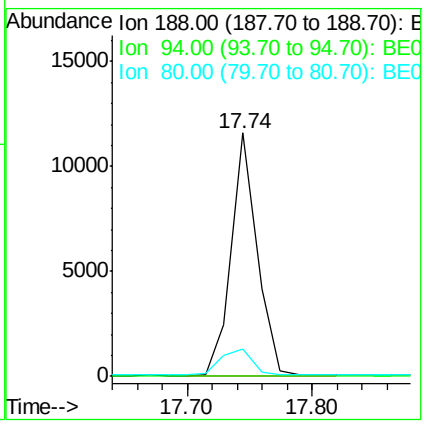


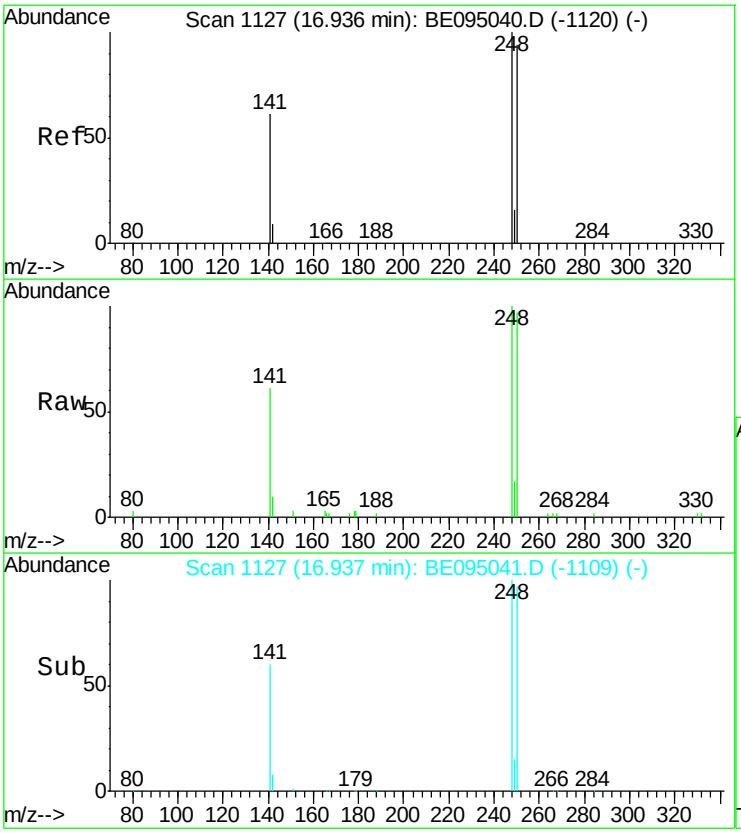
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.74 min Scan# 1181
Delta R.T. -0.03 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion:188 Resp: 16552

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	11.4	3.6	5.4#

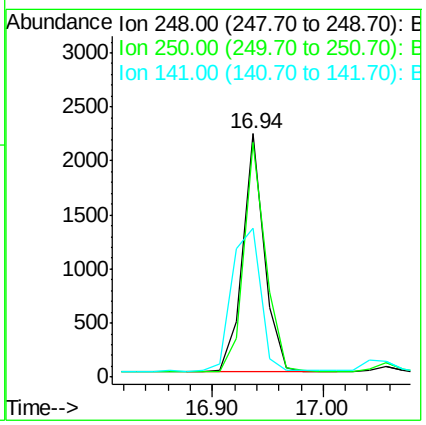


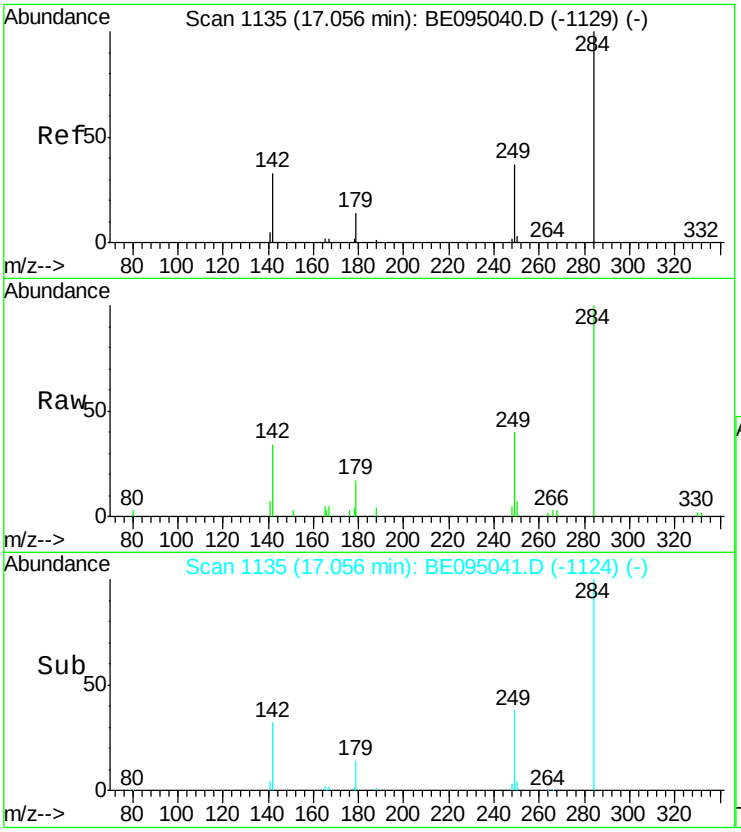


#20
4-Bromophenyl-phenylether
Concen: 0.309 ng
RT: 16.94 min Scan# 1127
Delta R.T. -0.03 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion:248 Resp: 2991

Ion	Ratio	Lower	Upper
248	100		
250	96.6	62.7	94.1#
141	61.0	48.2	72.2



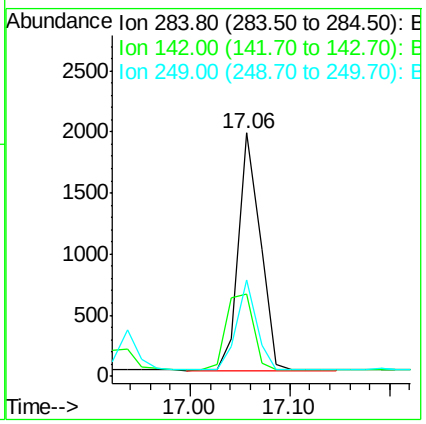


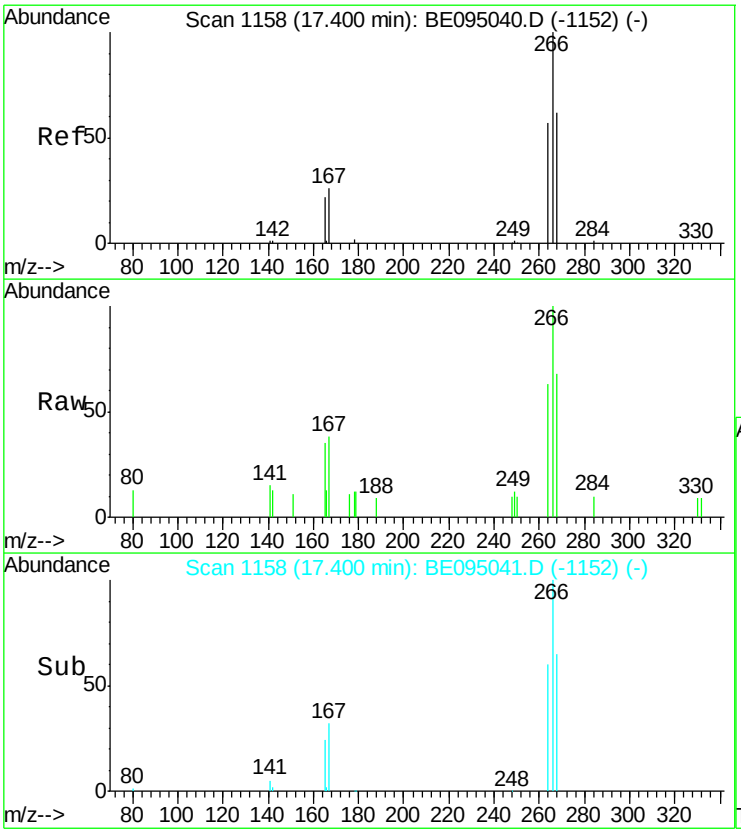
#21
Hexachlorobenzene
Concen: 0.295 ng
RT: 17.06 min Scan# 1135
Delta R.T. -0.03 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion:284 Resp: 2923

Ion	Ratio	Lower	Upper
284	100		
142	40.8	22.1	33.1#
249	34.5	34.8	52.2#

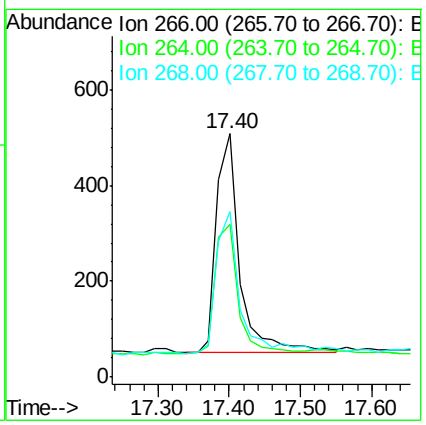


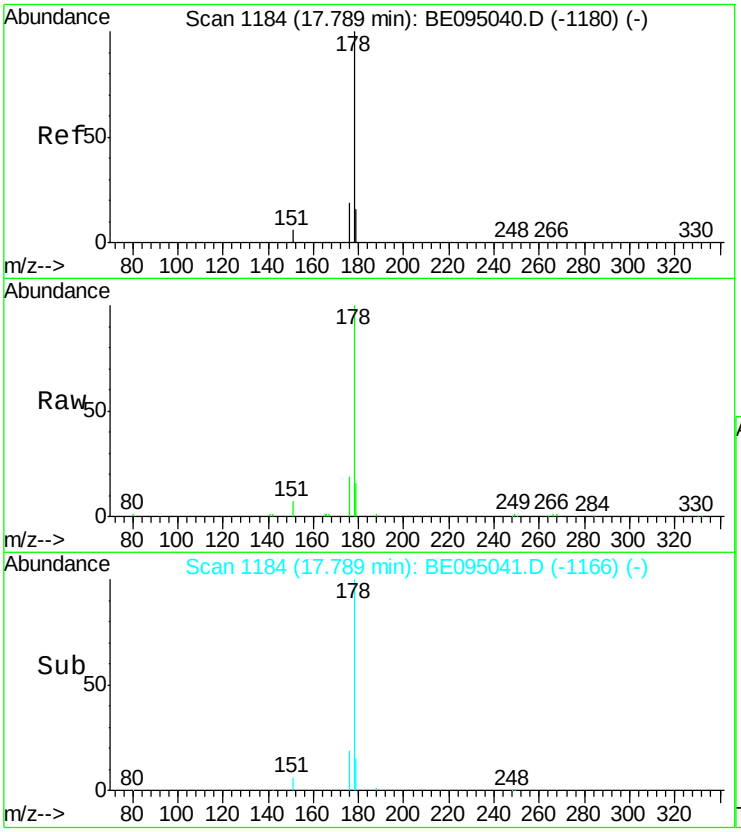


#22
Pentachlorophenol
Concen: 0.505 ng
RT: 17.40 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion:266 Resp: 1043

Ion	Ratio	Lower	Upper
266	100		
264	62.8	72.5	108.7#
268	67.9	73.8	110.6#



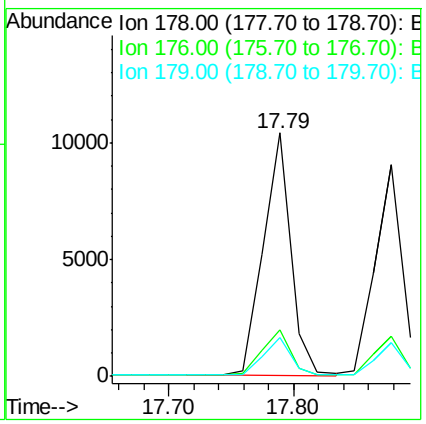


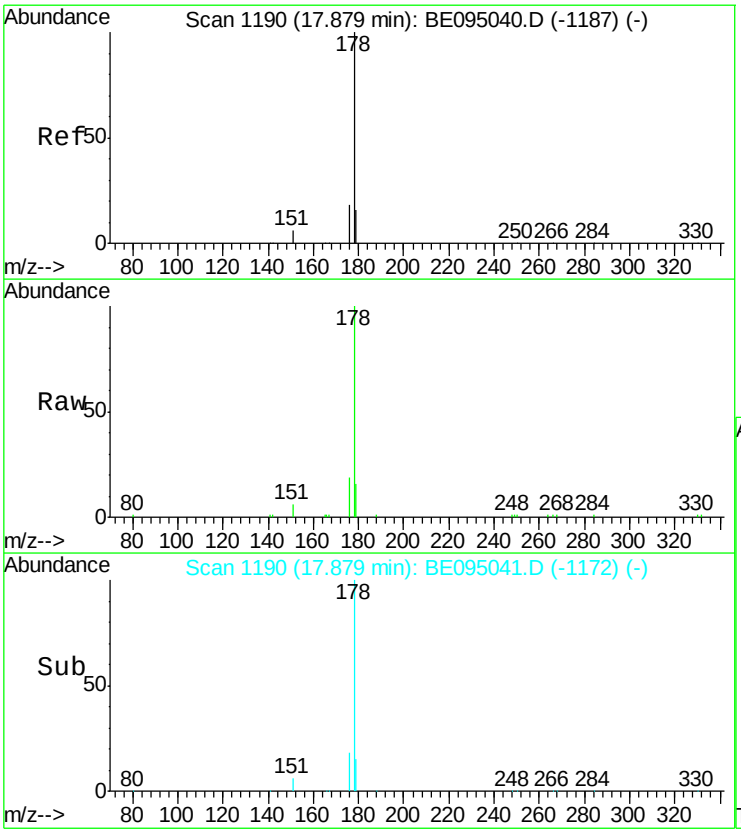
#23
Phenanthrene
Concen: 0.308 ng
RT: 17.79 min Scan# 1184
Delta R.T. -0.03 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion:178 Resp: 15893

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.7	11.8	17.6

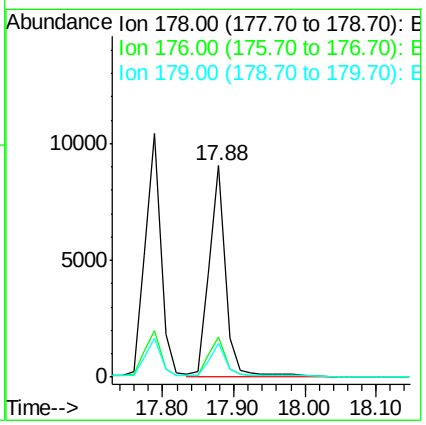


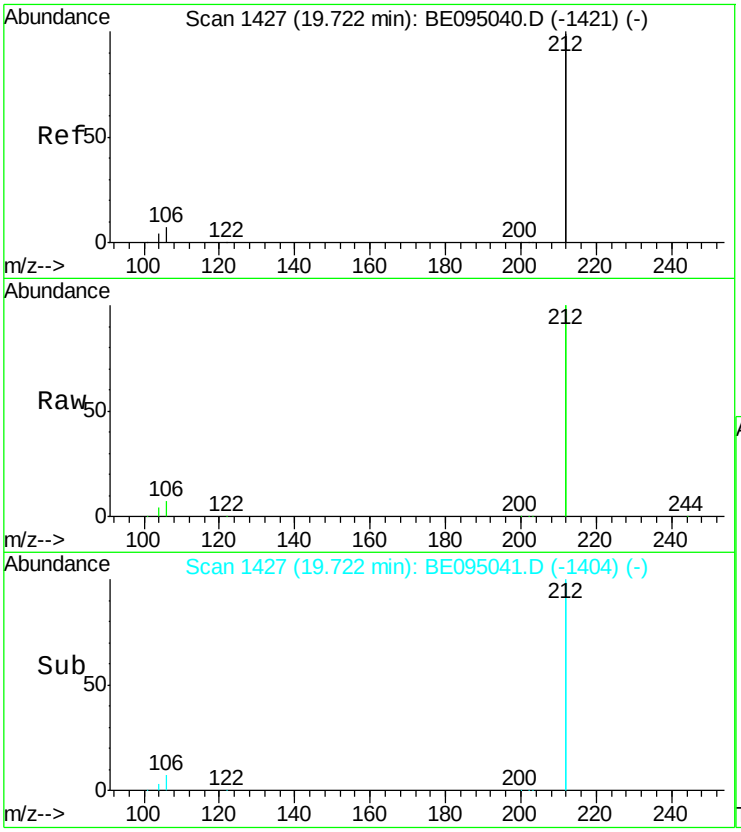


#24
Anthracene
Concen: 0.299 ng
RT: 17.88 min Scan# 1190
Delta R.T. -0.03 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion:178 Resp: 15817

Ion	Ratio	Lower	Upper
178	100		
176	22.3	12.8	19.2#
179	19.3	13.0	19.6



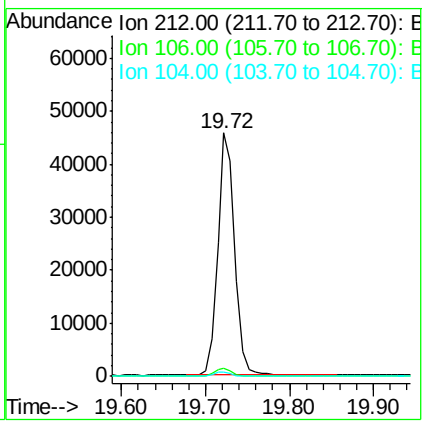


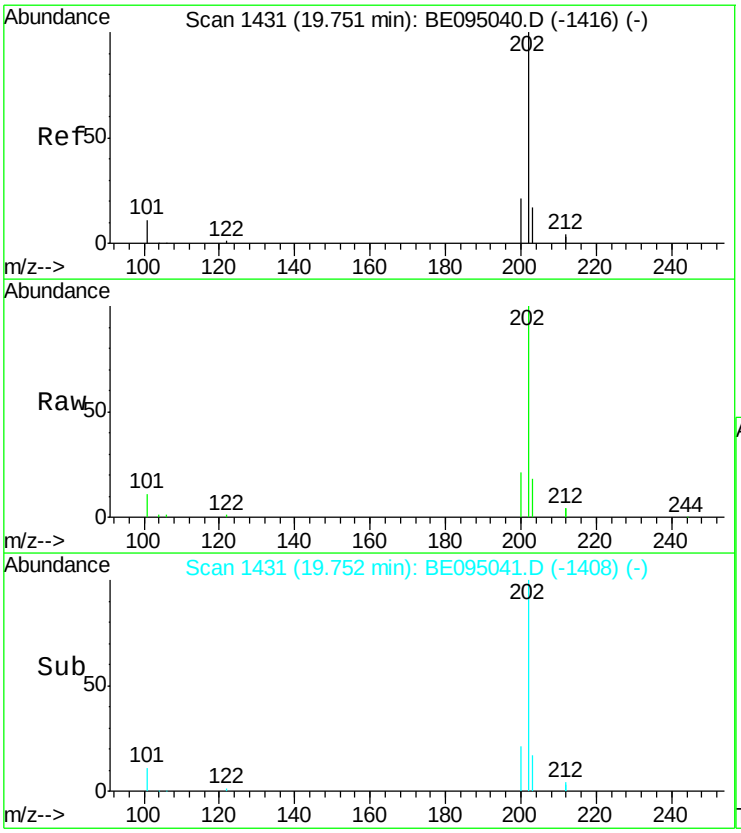
#25
Fluoranthene-d10
Concen: 0.299 ng
RT: 19.72 min Scan# 1427
Delta R.T. -0.03 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion:212 Resp: 64260

Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.8	4.2
104	1.8	1.6	2.4

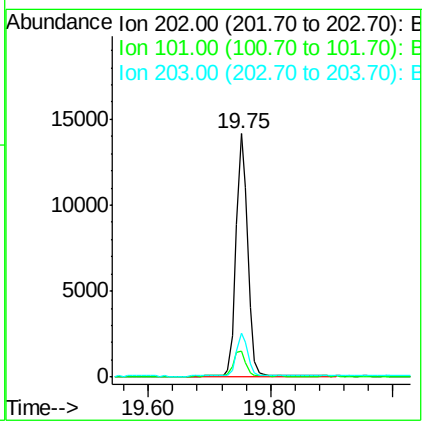


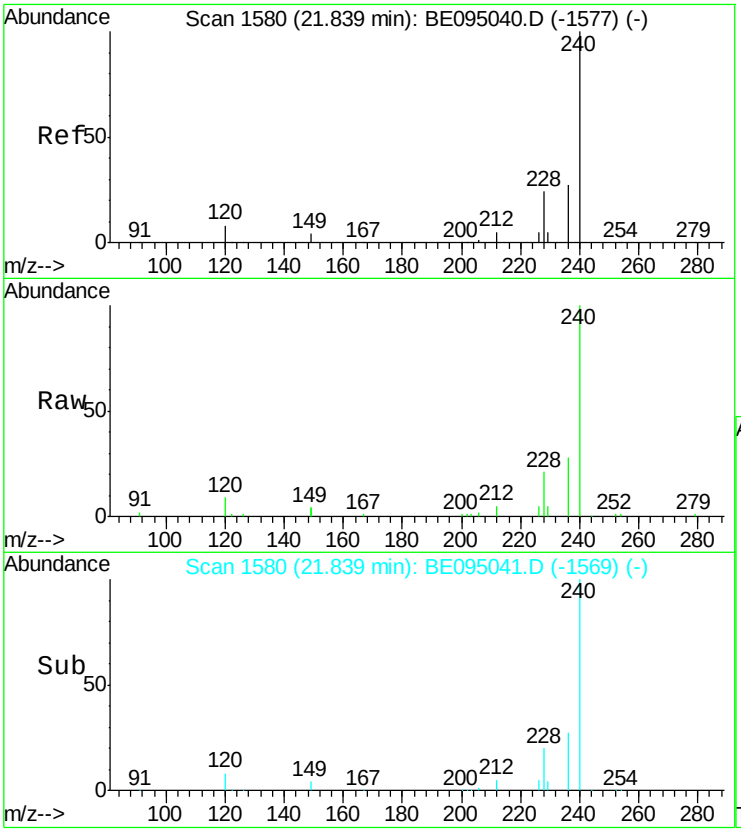


#26
Fluoranthene
Concen: 0.297 ng
RT: 19.75 min Scan# 1431
Delta R.T. -0.03 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion:202 Resp: 18899

Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.8	14.8
203	17.6	13.7	20.5



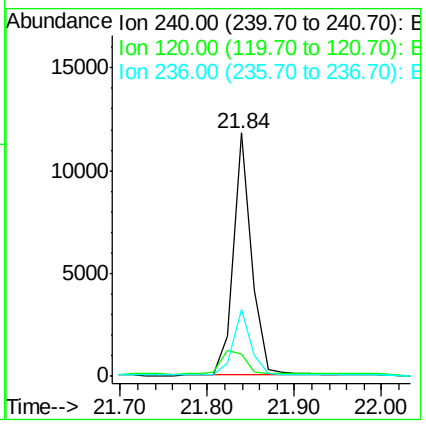


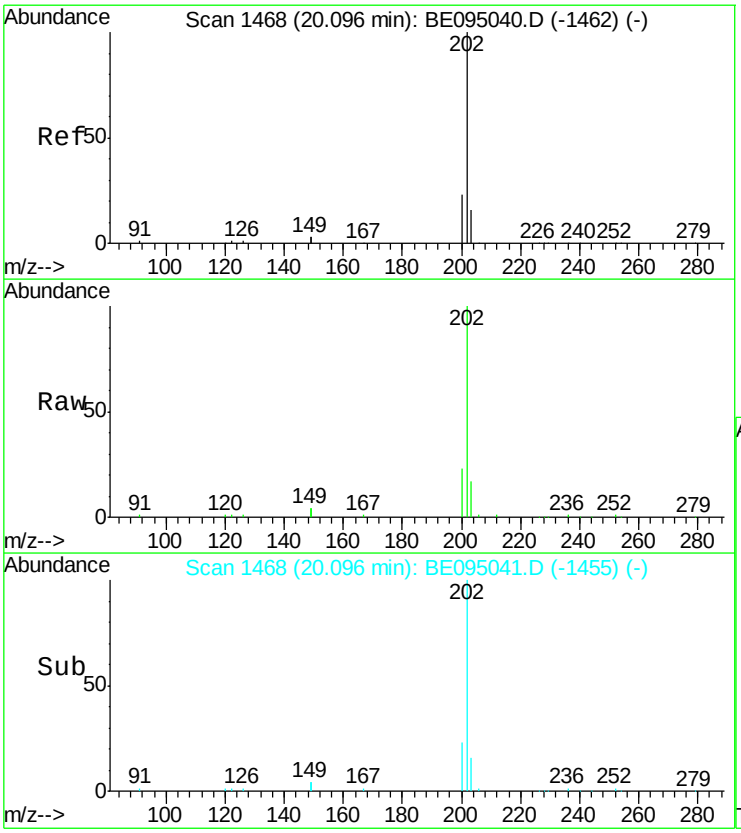
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.84 min Scan# 1580
Delta R.T. -0.03 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion:240 Resp: 17226

Ion	Ratio	Lower	Upper
240	100		
120	9.1	5.5	8.3#
236	27.7	20.7	31.1

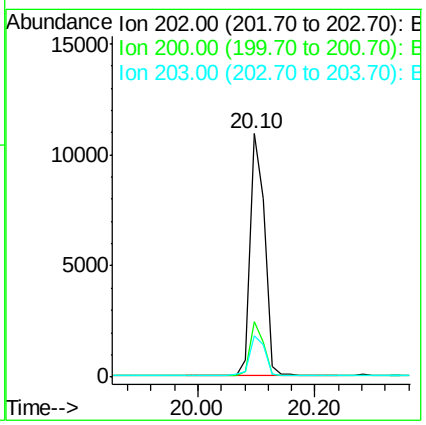


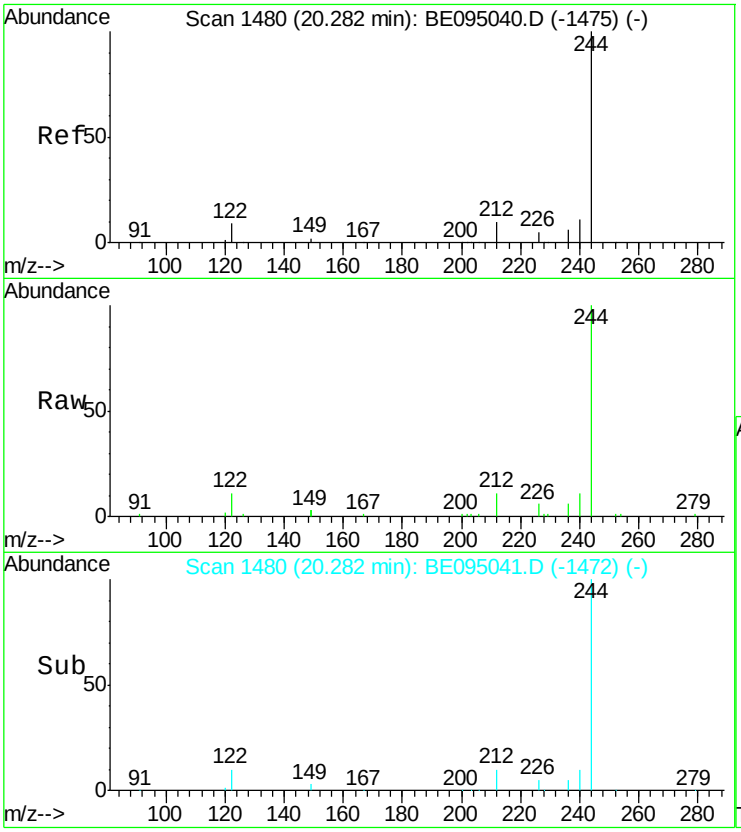


#28
Pyrene
Concen: 0.354 ng
RT: 20.10 min Scan# 1468
Delta R.T. -0.03 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion:202 Resp: 20671

Ion	Ratio	Lower	Upper
202	100		
200	23.4	16.6	25.0
203	19.5	13.8	20.8



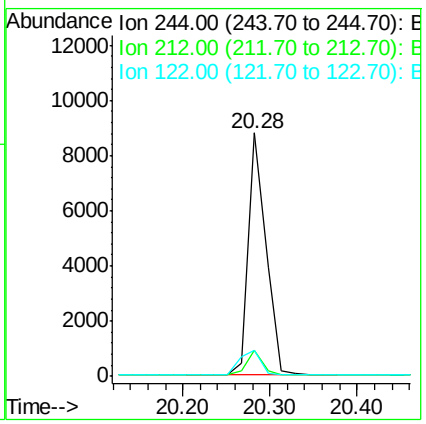


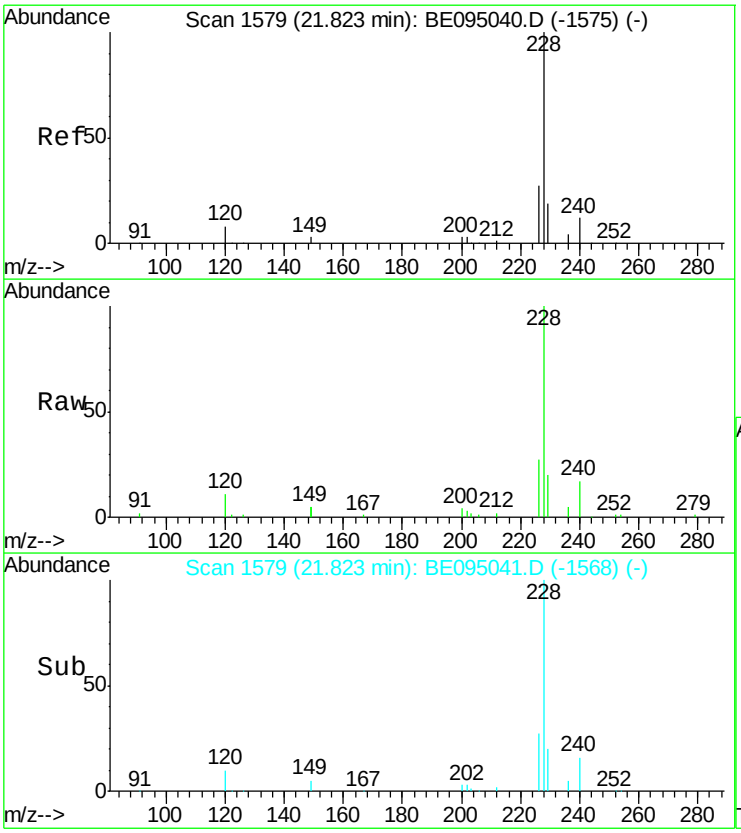
#29
Terphenyl-d14
Concen: 0.387 ng
RT: 20.28 min Scan# 1480
Delta R.T. -0.03 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion:244 Resp: 12544

Ion	Ratio	Lower	Upper
244	100		
212	10.6	25.4	38.0#
122	10.9	8.1	12.1

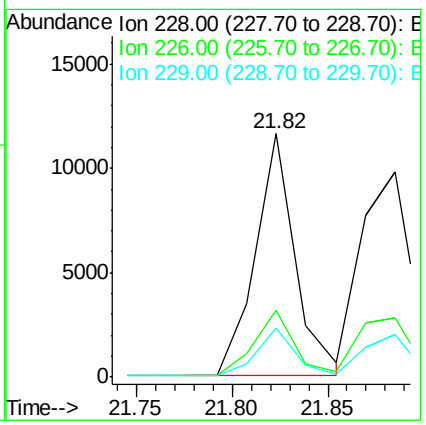


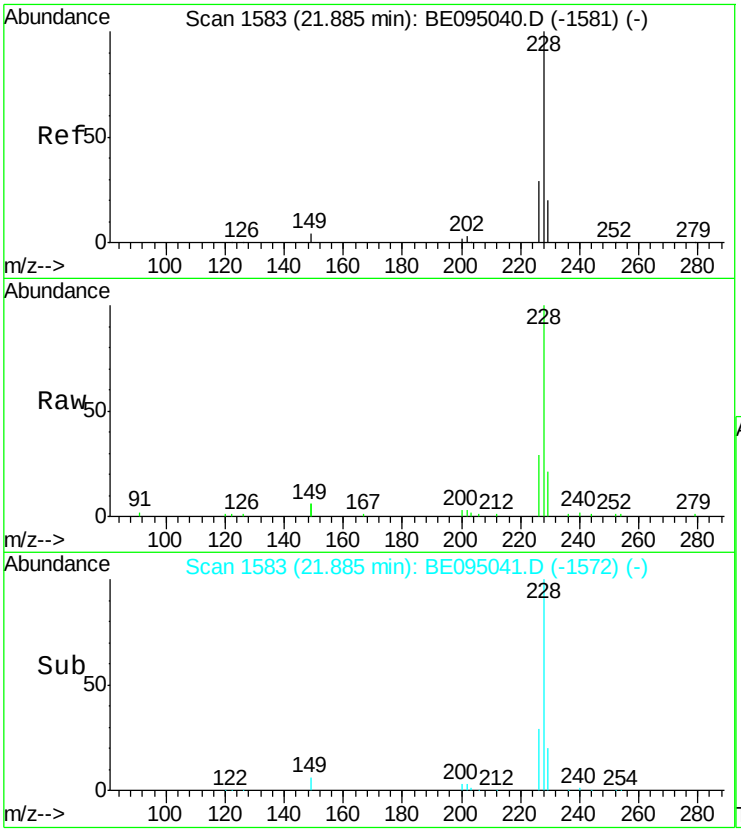


#30
Benzo(a)anthracene
Concen: 0.336 ng
RT: 21.82 min Scan# 1579
Delta R.T. -0.03 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion:228 Resp: 16906

Ion	Ratio	Lower	Upper
228	100		
226	27.4	40.0	60.0#
229	20.2	40.0	60.0#



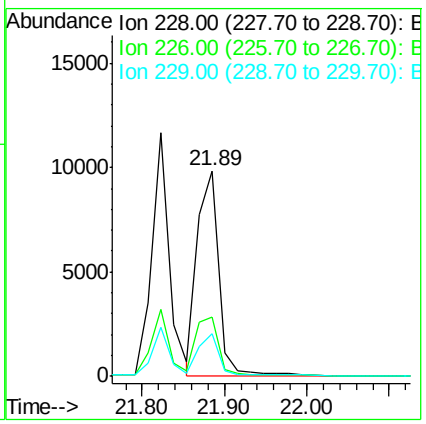


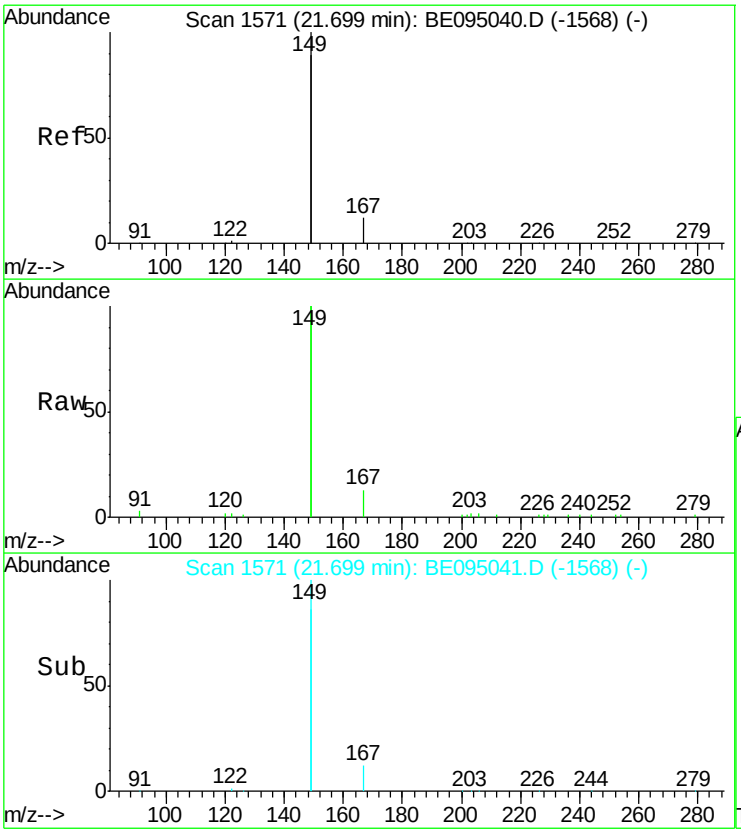
#31
Chrysene
Concen: 0.343 ng
RT: 21.89 min Scan# 1583
Delta R.T. -0.03 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion:228 Resp: 19427

Ion	Ratio	Lower	Upper
228	100		
226	29.1	40.0	60.0#
229	20.8	40.0	60.0#

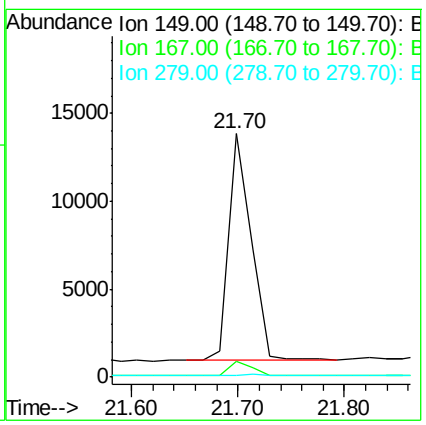


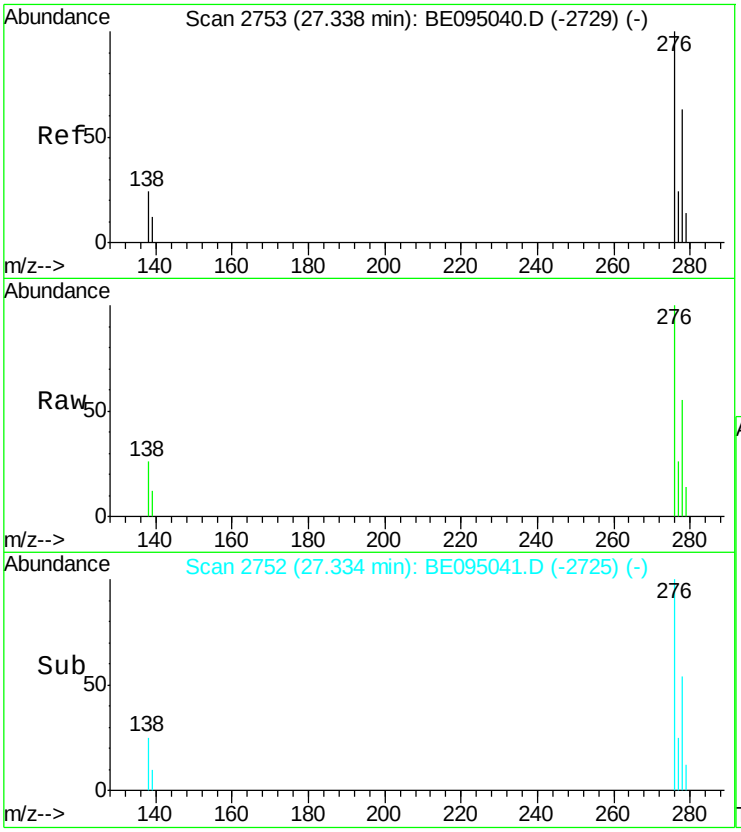


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.290 ng
RT: 21.70 min Scan# 1571
Delta R.T. -0.05 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion:149 Resp: 18593

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	0.9	0.7	1.1



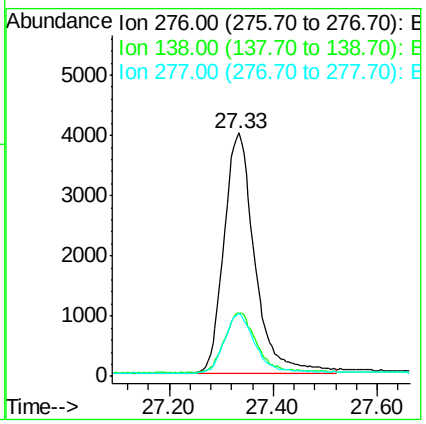


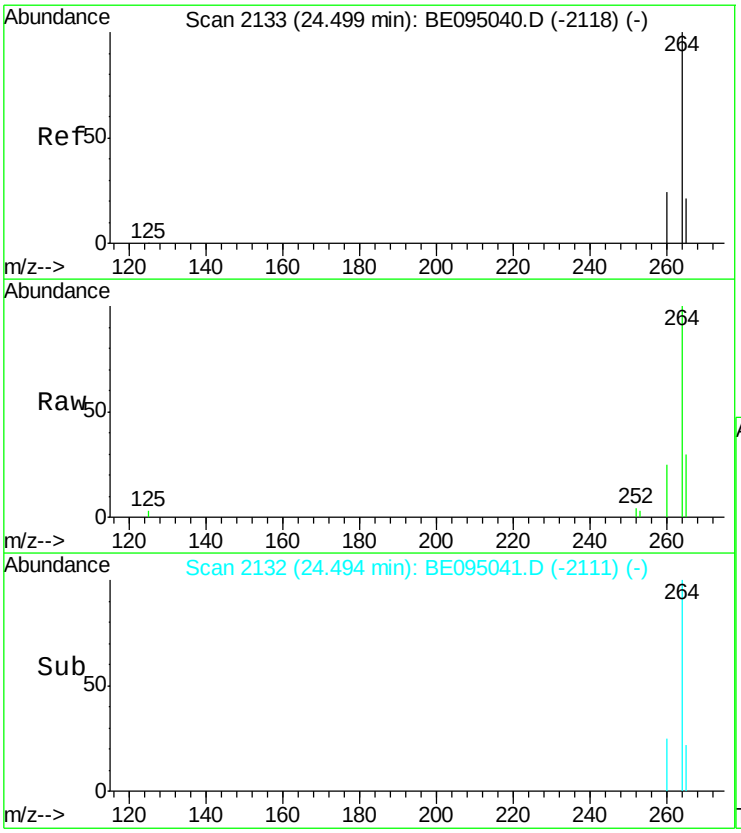
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.357 ng
RT: 27.33 min Scan# 2752
Delta R.T. -0.08 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion:276 Resp: 16454

Ion	Ratio	Lower	Upper
276	100		
138	25.5	22.5	33.7
277	24.2	19.9	29.9

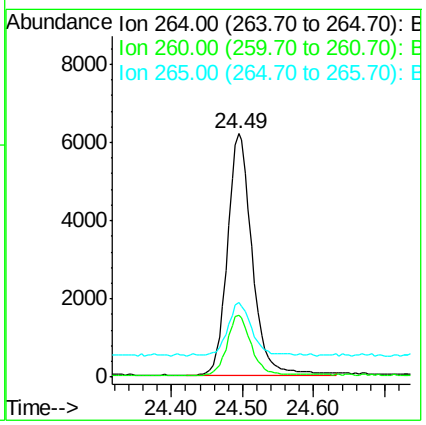


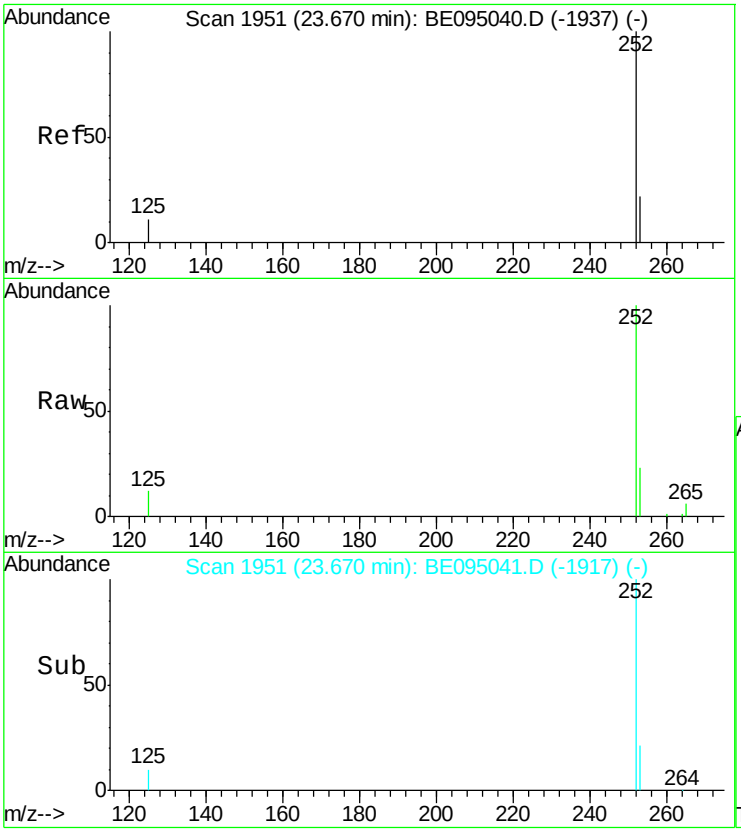


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.49 min Scan# 2132
Delta R.T. -0.05 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion:264 Resp: 14899

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.5	30.7
265	30.4	22.8	34.2



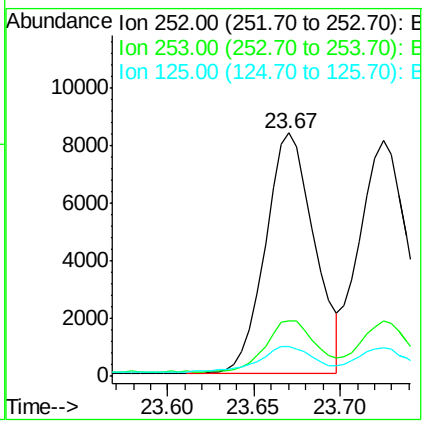


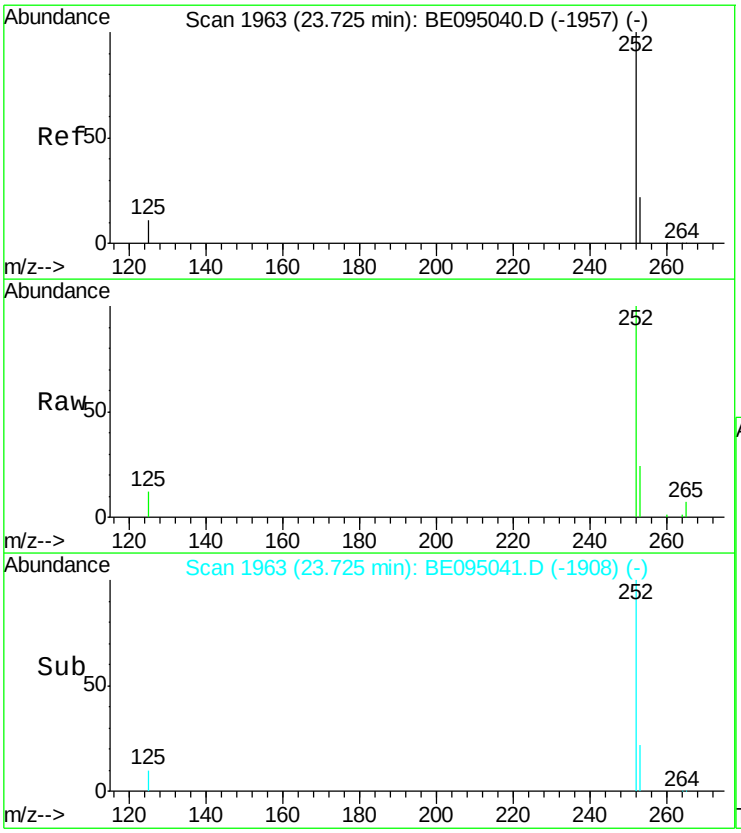
#35
Benzo(b)fluoranthene
Concen: 0.300 ng
RT: 23.67 min Scan# 1951
Delta R.T. -0.05 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion:252 Resp: 16427

Ion	Ratio	Lower	Upper
252	100		
253	22.8	20.0	30.0
125	12.1	16.0	24.0#

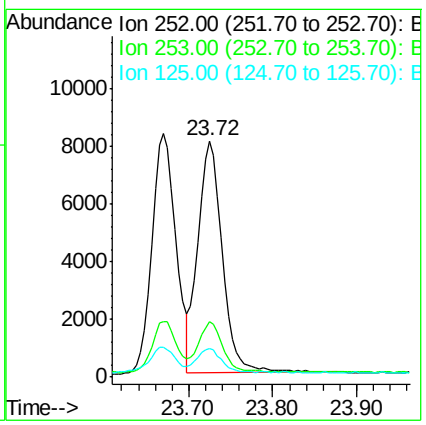


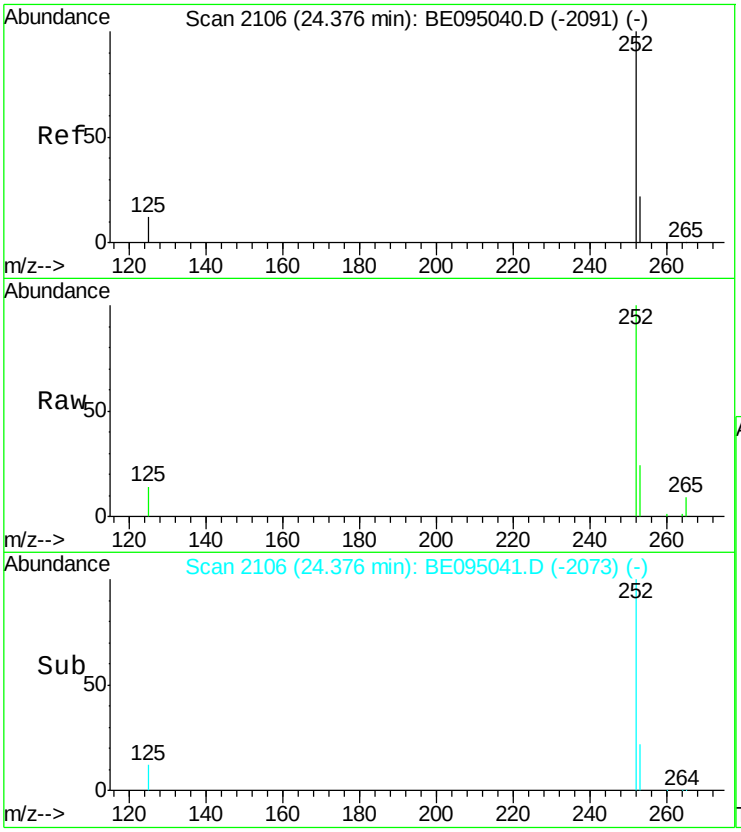


#36
Benzo(k)fluoranthene
Concen: 0.295 ng
RT: 23.72 min Scan# 1963
Delta R.T. -0.05 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion:252 Resp: 16356

Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.0	24.0
125	12.1	8.0	12.0#



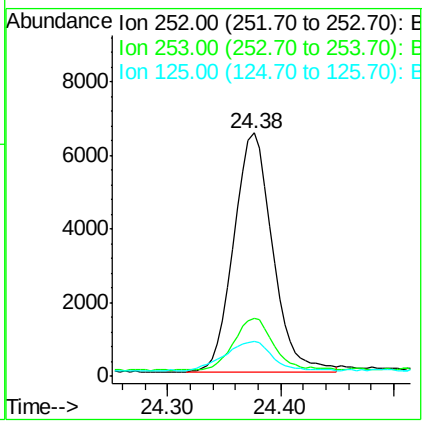


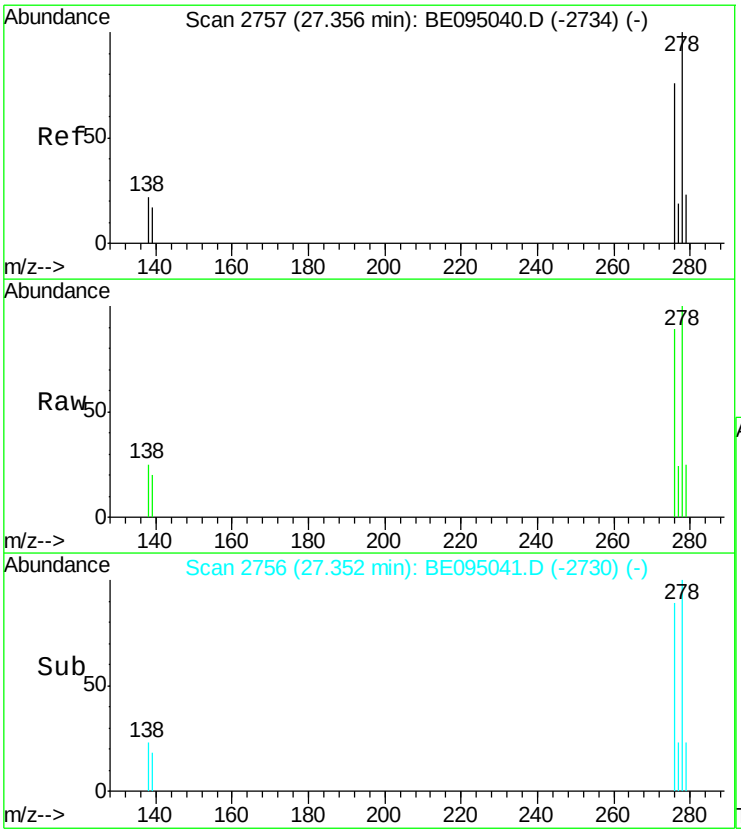
#37
Benzo(a)pyrene
Concen: 0.313 ng
RT: 24.38 min Scan# 2106
Delta R.T. -0.05 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion:252 Resp: 15198

Ion	Ratio	Lower	Upper
252	100		
253	24.0	16.0	24.0
125	14.2	12.0	18.0

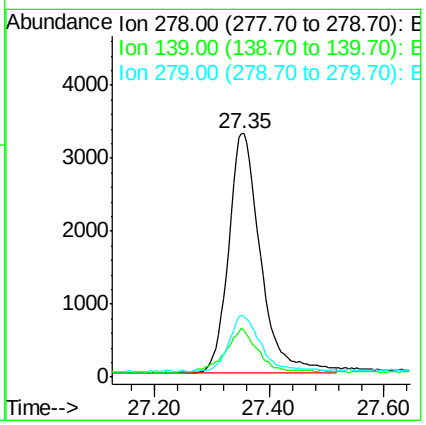


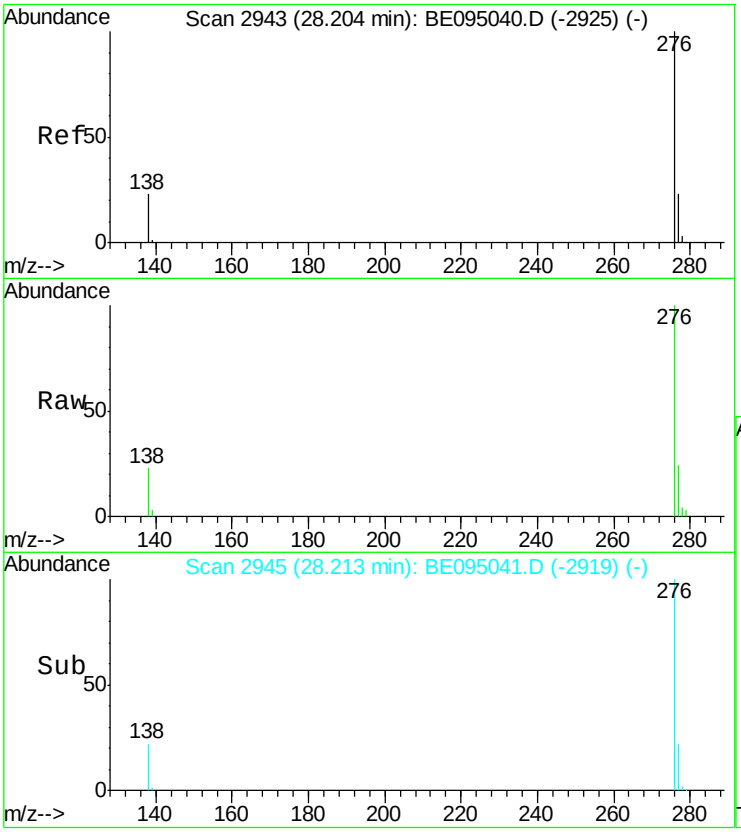


#38
Dibenzo(a,h)anthracene
Concen: 0.284 ng
RT: 27.35 min Scan# 2756
Delta R.T. -0.08 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Tgt Ion:278 Resp: 12772

Ion	Ratio	Lower	Upper
278	100		
139	19.9	16.0	24.0
279	25.3	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.314 ng
RT: 28.21 min Scan# 2945
Delta R.T. -0.08 min
Lab File: BE095041.D
Acq: 22 Dec 2017 12:18

Instrument :
BNA_E
ClientSampleId :
PB105289BS

Tgt Ion:276 Resp: 14060

Ion	Ratio	Lower	Upper
276	100		
277	23.8	16.0	24.0
138	22.9	20.0	30.0