Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092018\
Data File : BE097588.D
Acq On : 20 Sep 2018 23:59
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Sep 21 01:10:44 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 20 10:54:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	721	0.40	ng		0.00
7) Naphthalene-d8	10.13	136	3593	0.40	ng		0.00
13) Acenaphthene-d10	14.00	164	2669	0.40	ng		0.00
19) Phenanthrene-d10	16.75	188	8123	0.40	ng		0.00
27) Chrysene-d12	20.97	240	9034	0.40	ng		0.00
34) Perylene-d12	23.20	264	9030	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	804	0.37	ng		0.00
5) Phenol-d6	6.61	99	1032	0.37	ng		0.00
8) Nitrobenzene-d5	8.53	82	1001	0.36	ng		0.00
11) 2-Methylnaphthalene-d10	11.72	152	2172	0.44	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	459	0.44	ng		0.00
15) 2-Fluorobiphenyl	12.62	172	3392	0.36	ng		0.00
25) Fluoranthene-d10	18.80	212	34304	0.33	ng		0.00
29) Terphenyl-d14	19.42	244	6977	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.07	88	509	0.415	ng	#	85
3) n-Nitrosodimethylamine	3.37	42	357	0.343	ng	#	90
6) bis(2-Chloroethyl)ether	6.83	93	934	0.365	ng		82
9) Naphthalene	10.17	128	13085	0.404	ng		99
10) Hexachlorobutadiene	10.46	225	593	0.398	ng		100
12) 2-Methylnaphthalene	11.79	142	2197	0.435	ng		99
16) Acenaphthylene	13.71	152	4192	0.397	ng		100
17) Acenaphthene	14.06	154	2765	0.391	ng		96
18) Fluorene	15.06	166	3747	0.406	ng	#	79
20) 4-Bromophenyl-phenylether	15.96	248	1422	0.388	ng	#	89
21) Hexachlorobenzene	16.07	284	1592	0.395	ng	#	86
22) Pentachlorophenol	16.44	266	440	0.373	ng	#	82
23) Phenanthrene	16.80	178	7416	0.385	ng		99
24) Anthracene	16.89	178	6259	0.367	ng		96
26) Fluoranthene	18.83	202	8942	0.334	ng		98
28) Pyrene	19.19	202	9195	0.447	ng		99
30) Benzo(a)anthracene	20.96	228	8702	0.383	ng		97
31) Chrysene	21.00	228	9560	0.392	ng		99
32) Bis(2-ethylhexyl)phthalate	20.89	149	13057	0.352	ng	#	99
33) Indeno(1,2,3-cd)pyrene	25.50	276	11566	0.394	ng	#	93
35) Benzo(b)fluoranthene	22.53	252	8672	0.375	ng	#	89
36) Benzo(k)fluoranthene	22.57	252	10312	0.390	ng		93
37) Benzo(a)pyrene	23.11	252	8709	0.389	ng	#	92
38) Dibenzo(a,h)anthracene	25.52	278	9596	0.395	ng	#	94
39) Benzo(g,h,i)perylene	26.20	276	9183	0.389	ng	#	88

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

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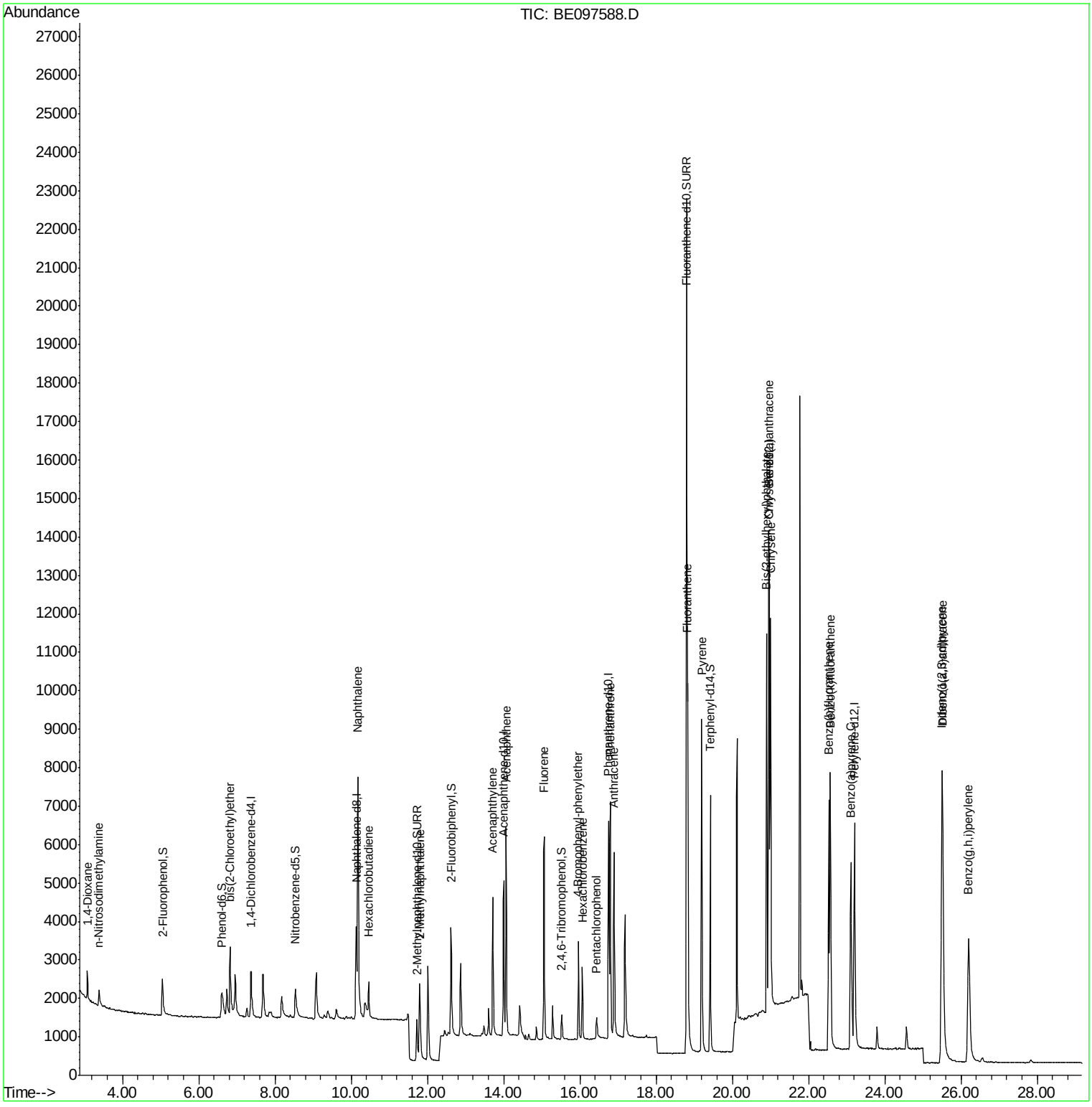
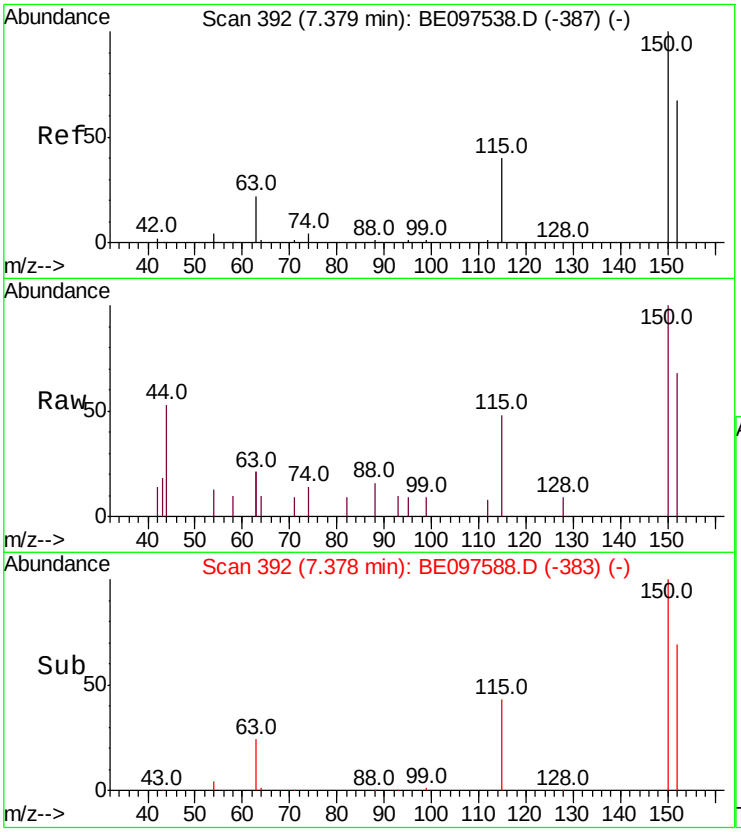
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Sep 21 01:10:44 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 20 10:54:43 2018
Response via : Initial Calibration



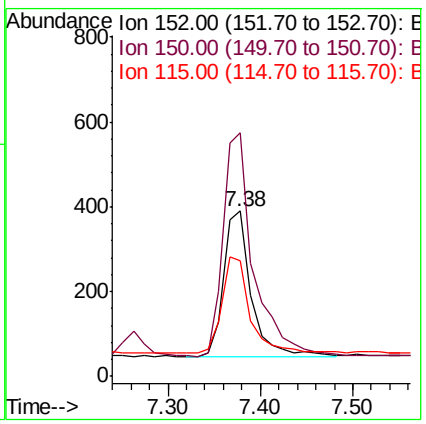


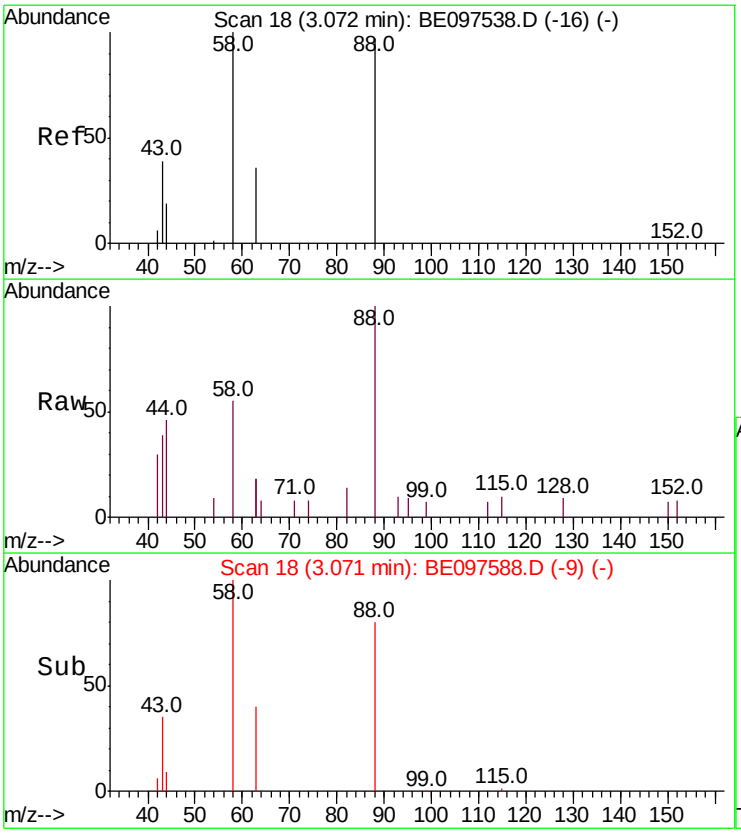
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 721

Ion	Ratio	Lower	Upper
152	100		
150	147.2	117.2	175.8
115	70.0	57.0	85.6

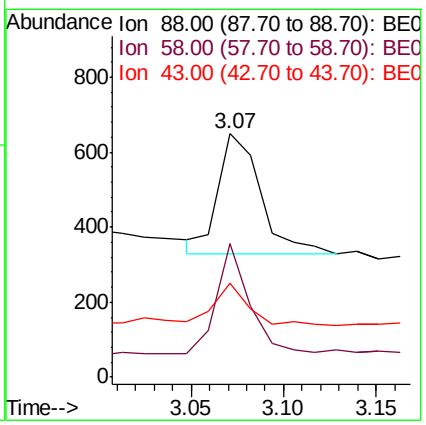


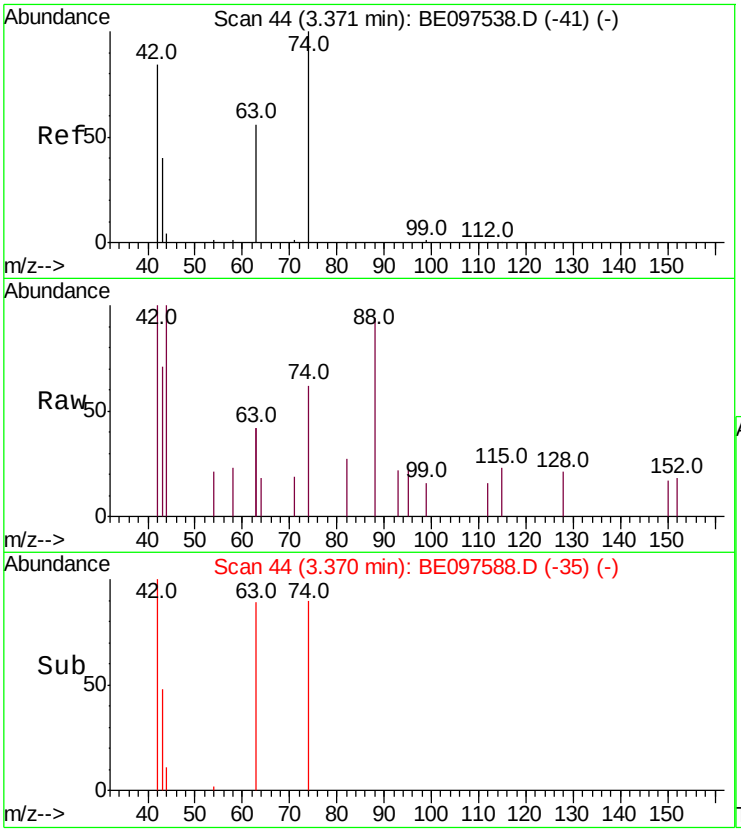


#2
1,4-Dioxane
Concen: 0.415 ng
RT: 3.07 min Scan# 18
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion: 88 Resp: 509

Ion	Ratio	Lower	Upper
88	100		
58	70.9	63.2	94.8
43	35.2	41.2	61.8#



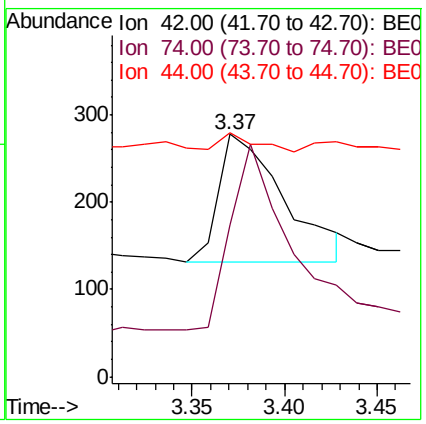


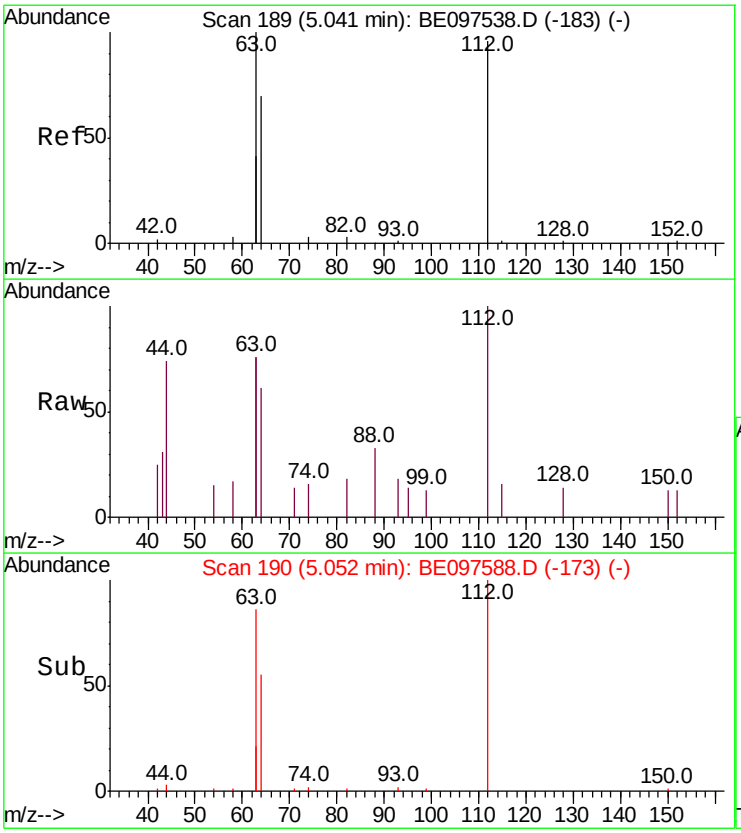
#3
n-Nitrosodimethylamine
Concen: 0.343 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 357

Ion	Ratio	Lower	Upper
42	100		
74	129.4	96.0	144.0
44	7.3	12.0	18.0#

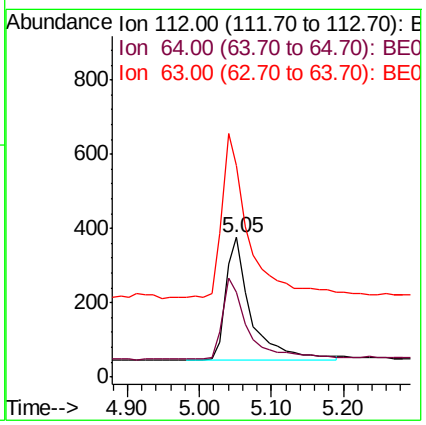


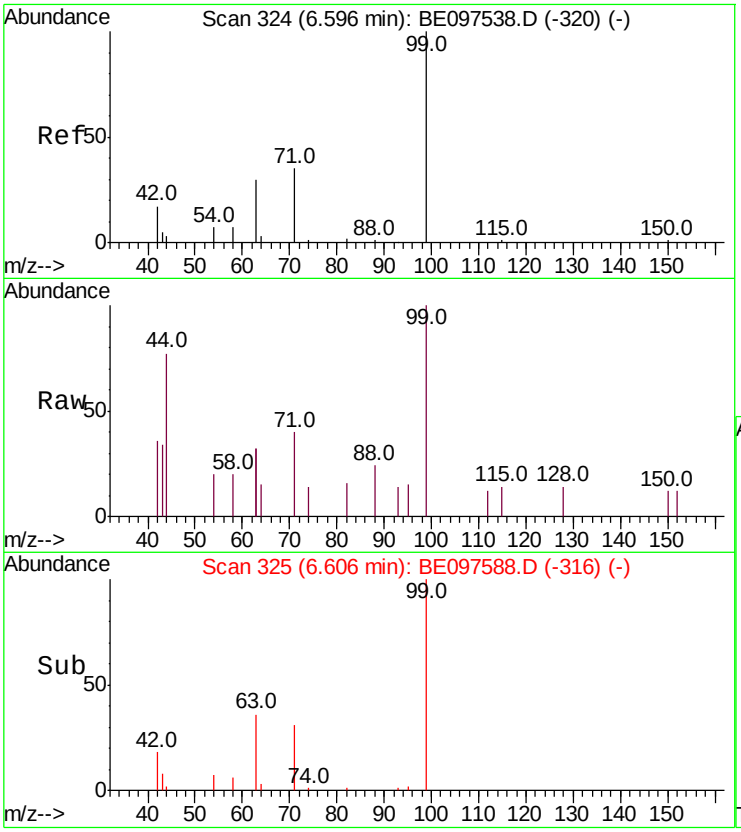


#4
2-Fluorophenol
Concen: 0.372 ng
RT: 5.05 min Scan# 190
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion:112 Resp: 804

Ion	Ratio	Lower	Upper
112	100		
64	67.4	60.1	90.1
63	142.5	116.8	175.2



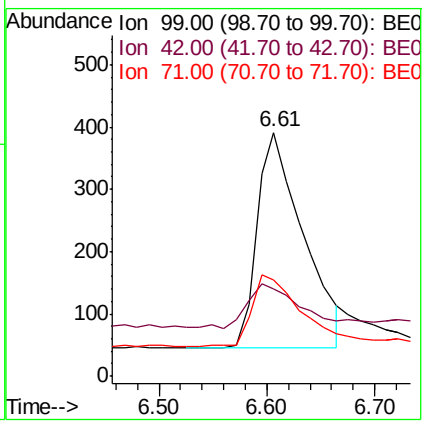


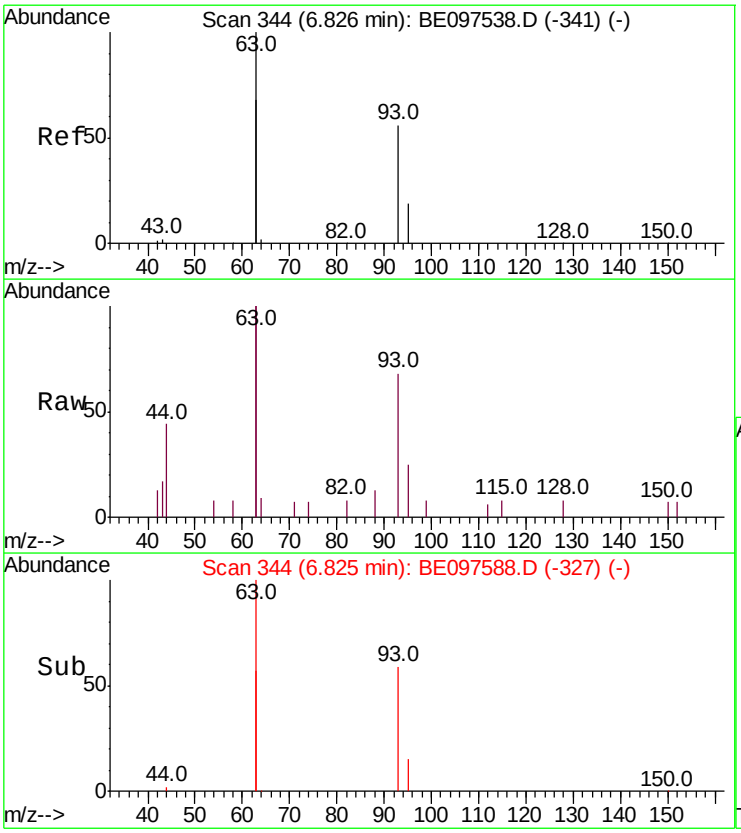
#5
Phenol-d6
Concen: 0.374 ng
RT: 6.61 min Scan# 325
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 1032

Ion	Ratio	Lower	Upper
99	100		
42	22.2	20.2	30.2
71	35.1	28.4	42.6

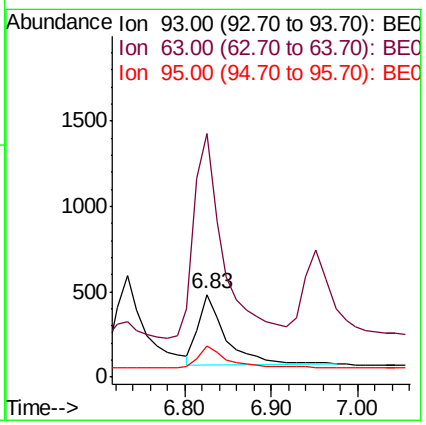


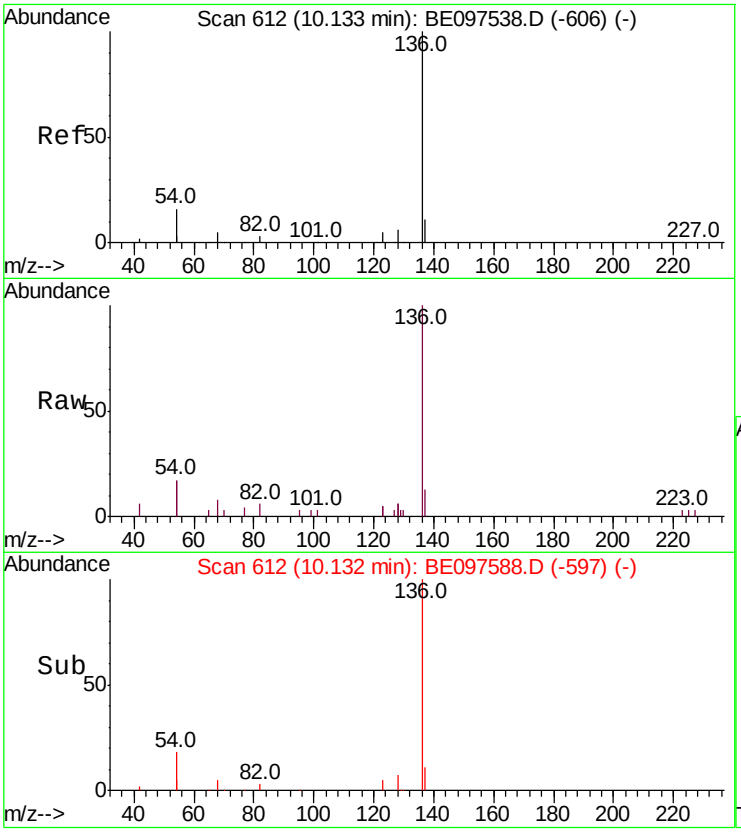


#6
bis(2-Chloroethyl)ether
Concen: 0.365 ng
RT: 6.83 min Scan# 344
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion: 93 Resp: 934

Ion	Ratio	Lower	Upper
93	100		
63	302.9	275.3	412.9
95	33.6	25.2	37.8



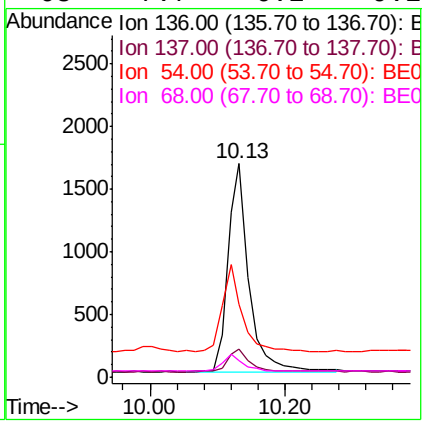


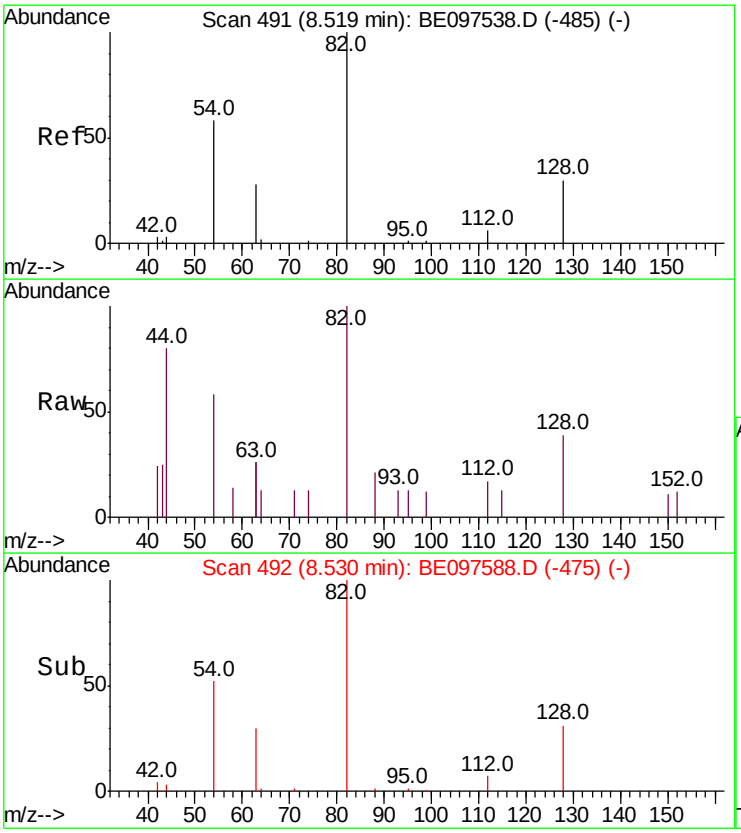
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.13 min Scan# 612
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 3593

Ion	Ratio	Lower	Upper
136	100		
137	13.1	9.5	14.3
54	34.4	29.1	43.7
68	7.7	6.2	9.2

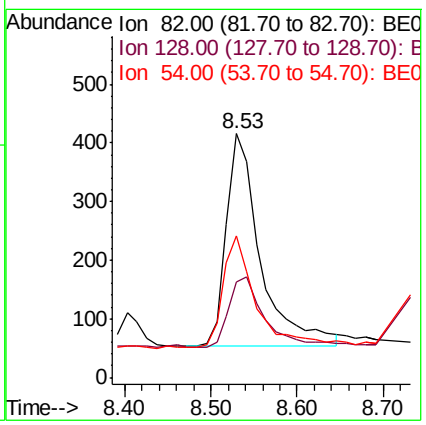


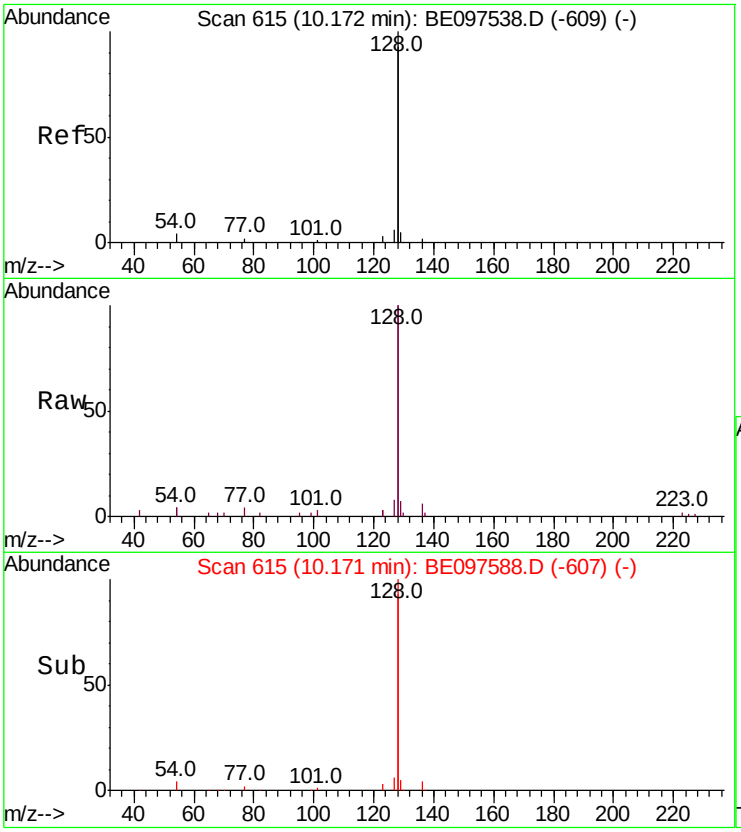


#8
Nitrobenzene-d5
Concen: 0.361 ng
RT: 8.53 min Scan# 492
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion: 82 Resp: 1001

Ion	Ratio	Lower	Upper
82	100		
128	39.2	24.0	36.0#
54	57.9	40.0	60.0



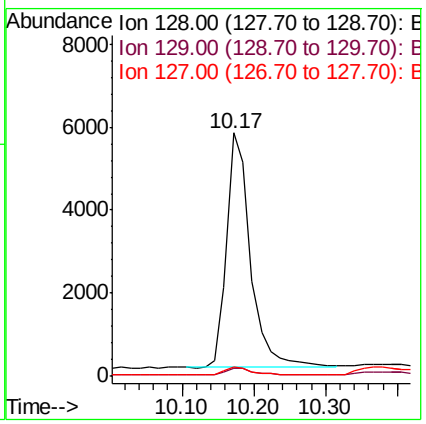


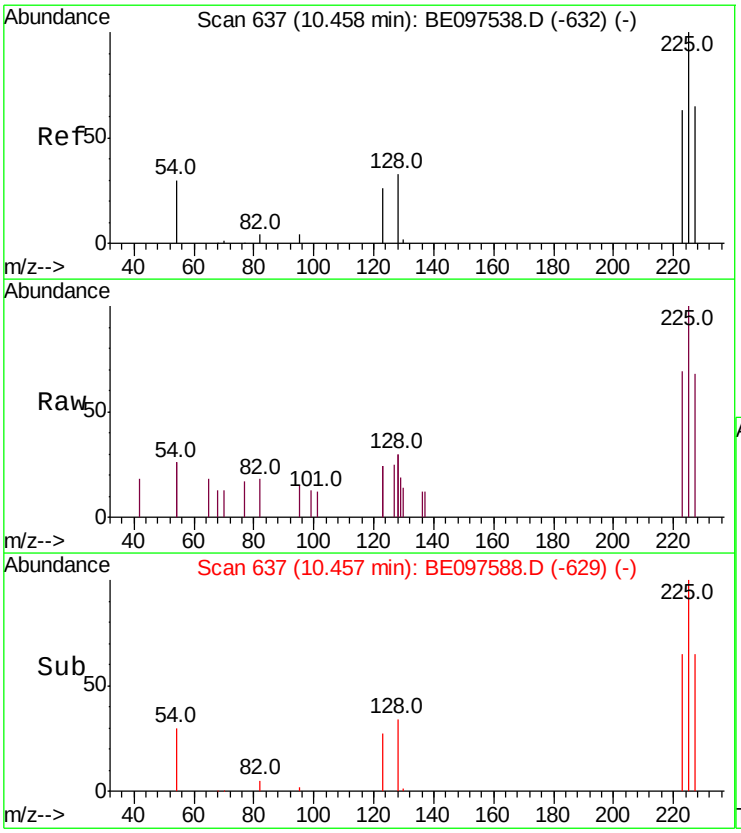
#9
Naphthalene
Concen: 0.404 ng
RT: 10.17 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 13085

Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.6	3.8
127	4.0	2.8	4.2

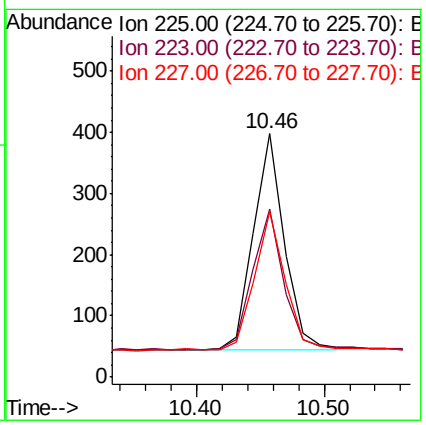


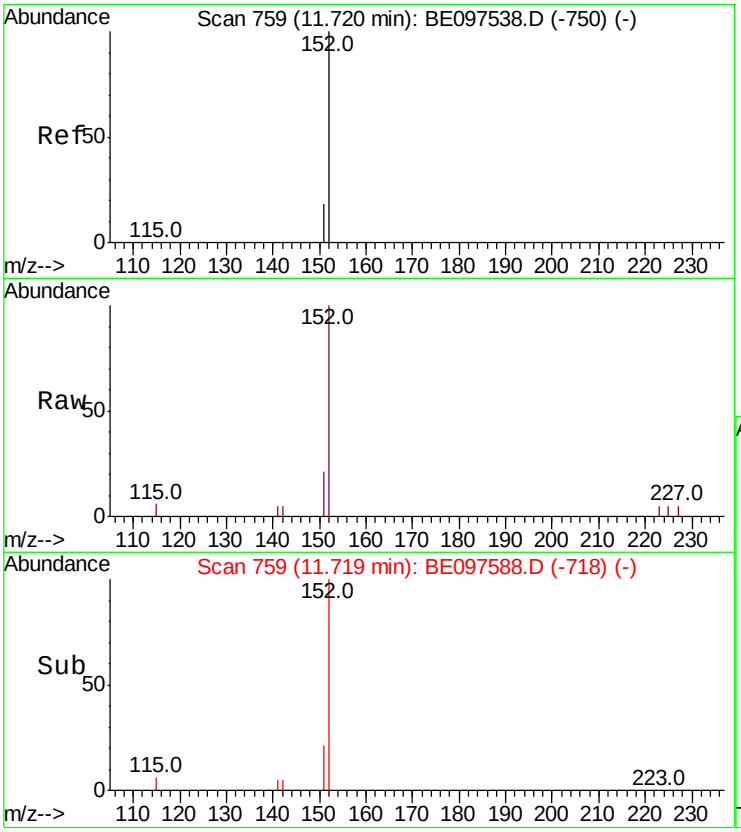


#10
Hexachlorobutadiene
Concen: 0.398 ng
RT: 10.46 min Scan# 637
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion:225 Resp: 593

Ion	Ratio	Lower	Upper
225	100		
223	65.9	53.0	79.6
227	64.1	51.4	77.2



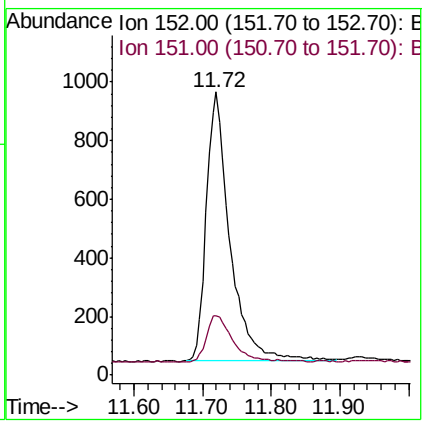


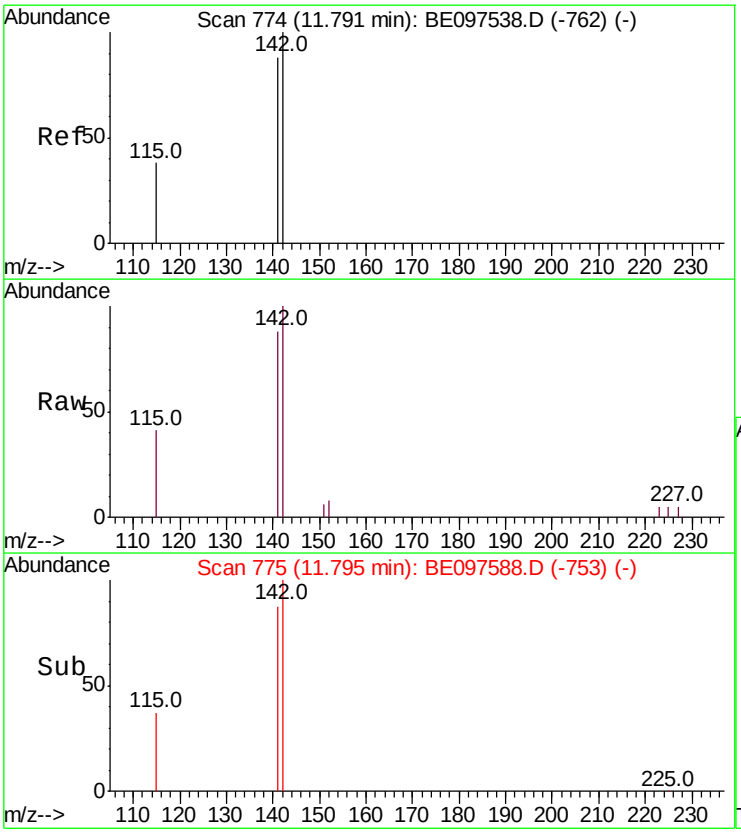
#11
2-Methylnaphthalene-d10
Concen: 0.439 ng
RT: 11.72 min Scan# 759
Delta R.T. 0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 2172

Ion	Ratio	Lower	Upper
152	100		
151	18.4	15.4	23.0

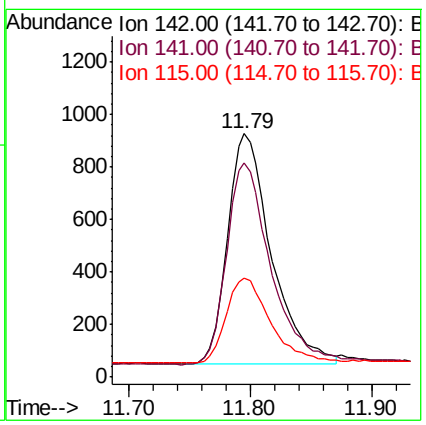


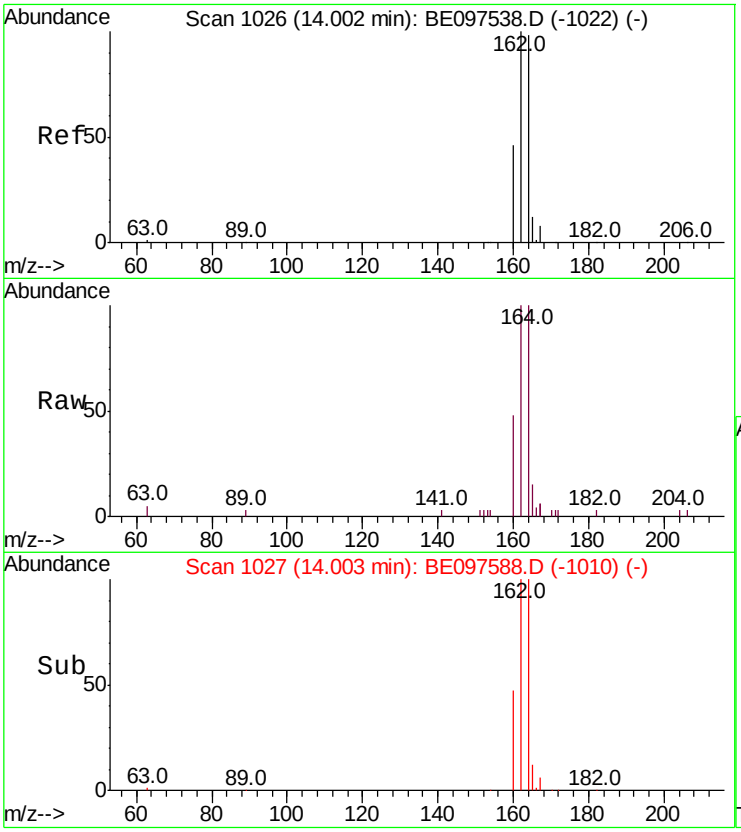


#12
2-Methylnaphthalene
Concen: 0.435 ng
RT: 11.79 min Scan# 775
Delta R.T. 0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion:142 Resp: 2197

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.4	105.6
115	40.8	31.7	47.5



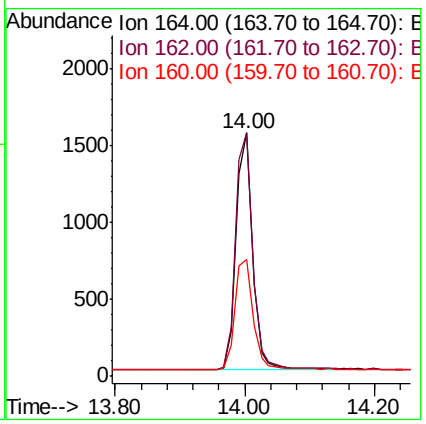


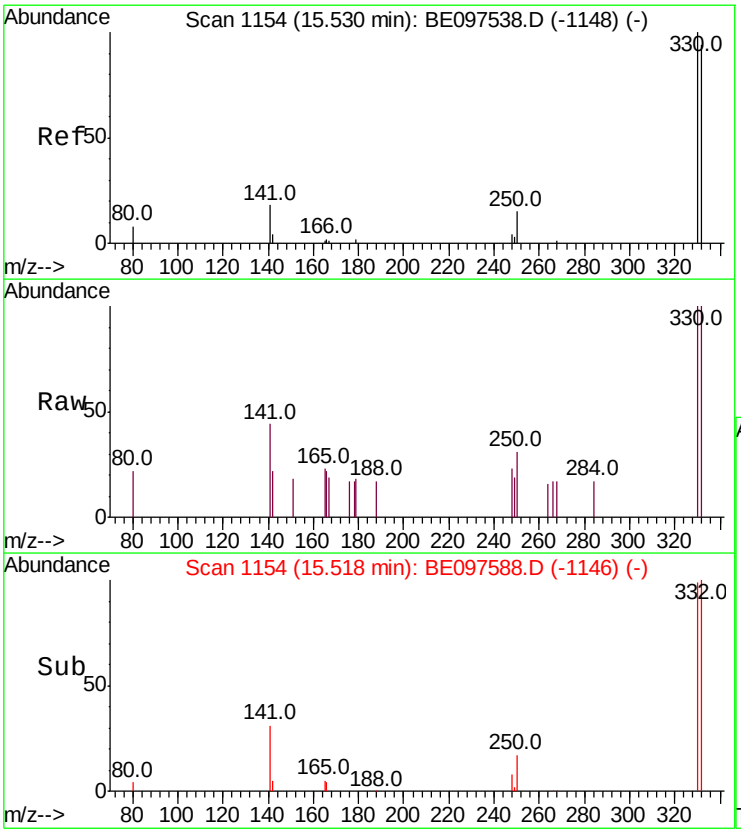
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.00 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 2669

Ion	Ratio	Lower	Upper
164	100		
162	100.0	83.1	124.7
160	48.2	37.1	55.7

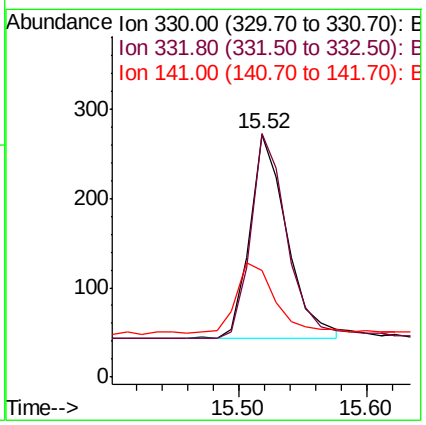


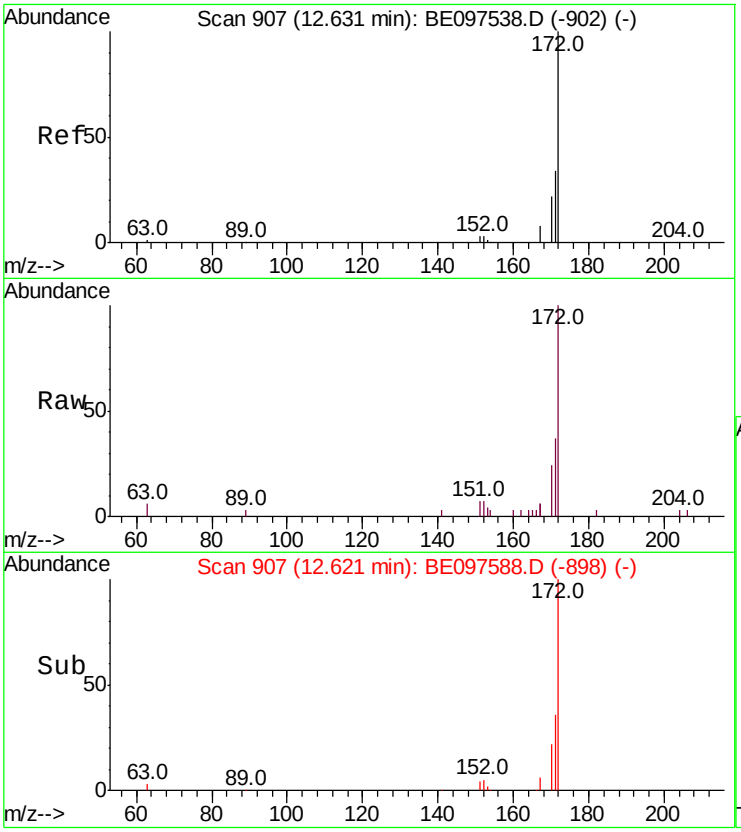


#14
2,4,6-Tribromophenol
Concen: 0.445 ng
RT: 15.52 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion:330 Resp: 459

Ion	Ratio	Lower	Upper
330	100		
332	98.9	152.7	229.1#
141	35.9	33.7	50.5



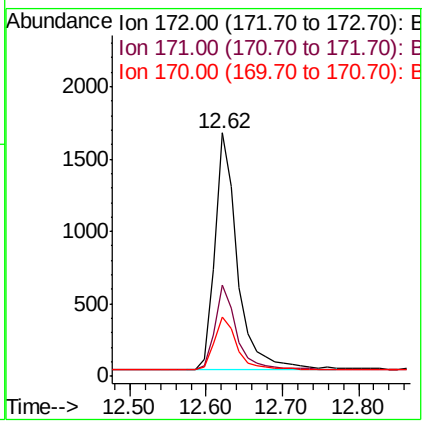


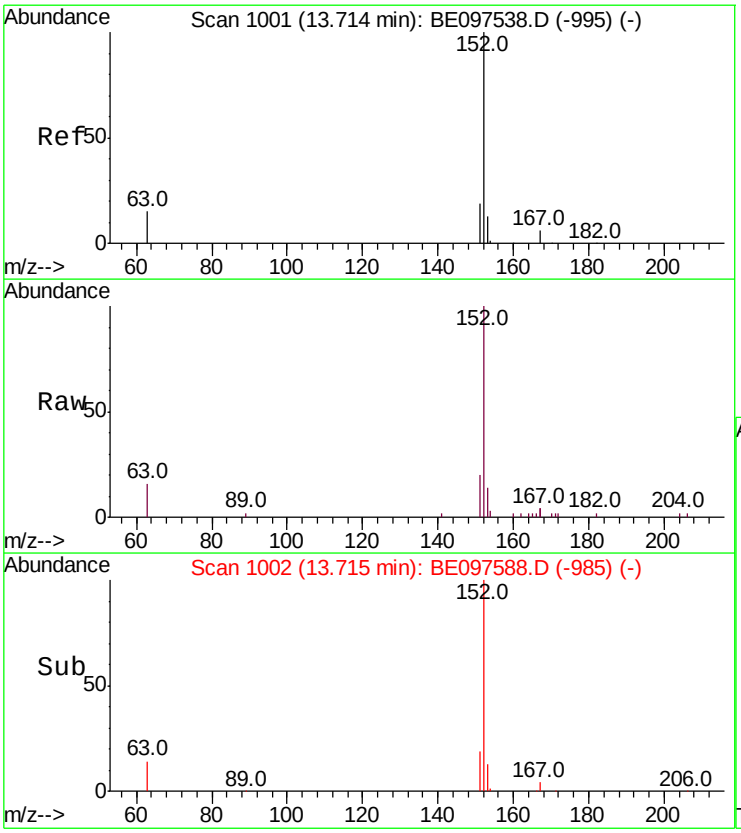
#15
2-Fluorobiphenyl
Concen: 0.360 ng
RT: 12.62 min Scan# 907
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 3392

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.9	44.9
170	24.2	21.8	32.8

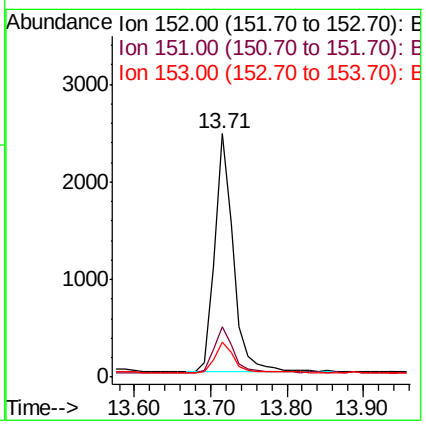


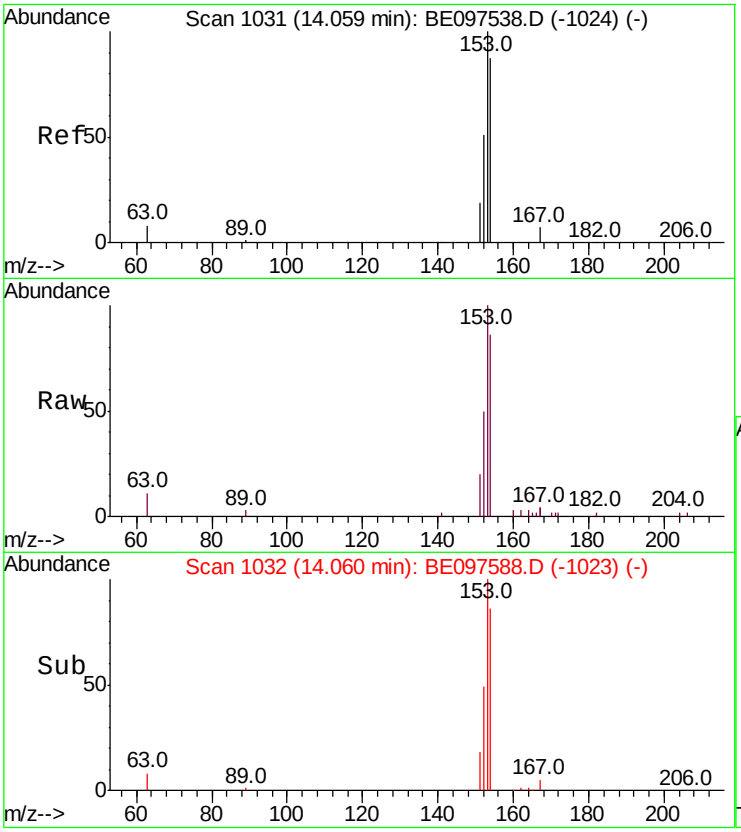


#16
Acenaphthylene
Concen: 0.397 ng
RT: 13.71 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion:152 Resp: 4192

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	12.9	10.5	15.7



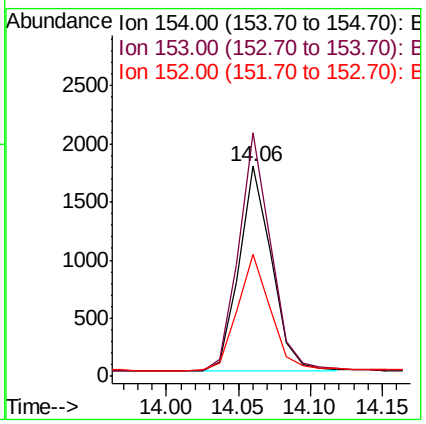


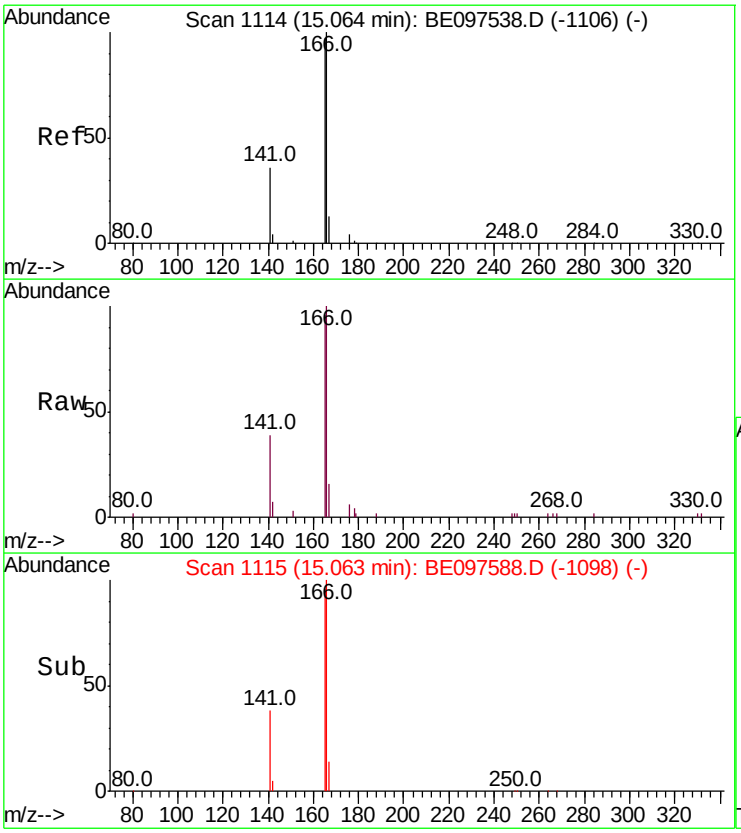
#17
Acenaphthene
Concen: 0.391 ng
RT: 14.06 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 2765

Ion	Ratio	Lower	Upper
154	100		
153	114.9	89.2	133.8
152	57.2	42.0	63.0

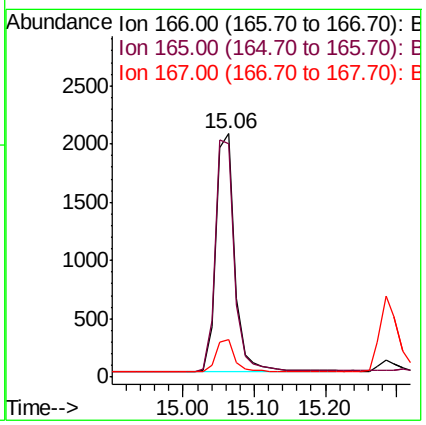


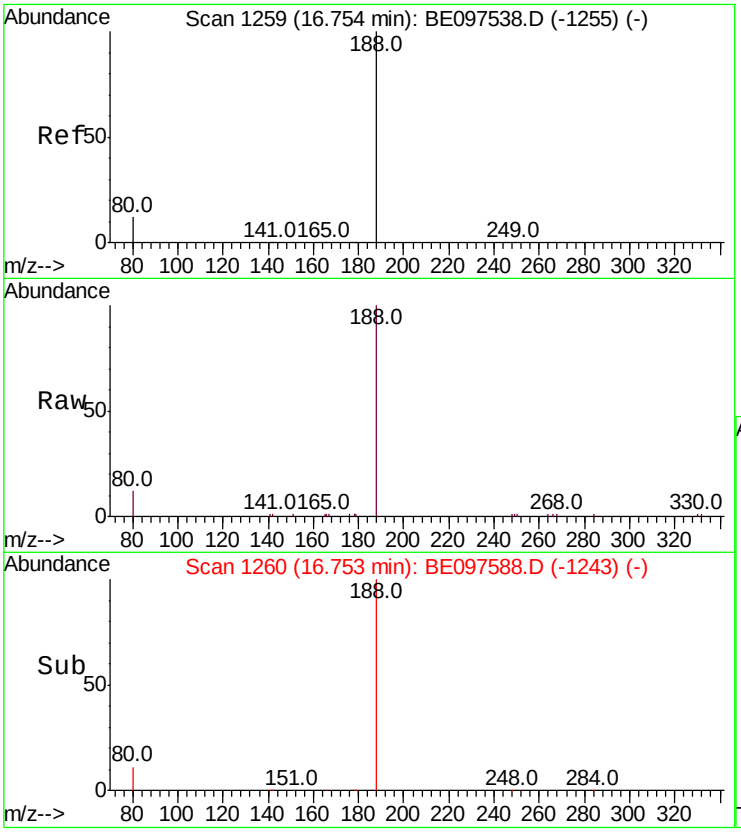


#18
Fluorene
Concen: 0.406 ng
RT: 15.06 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion:166 Resp: 3747

Ion	Ratio	Lower	Upper
166	100		
165	99.4	77.8	116.6
167	13.4	42.4	63.6#



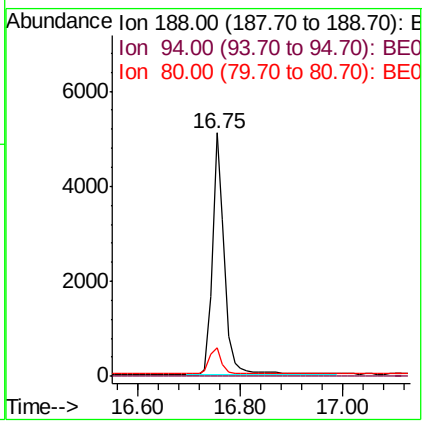


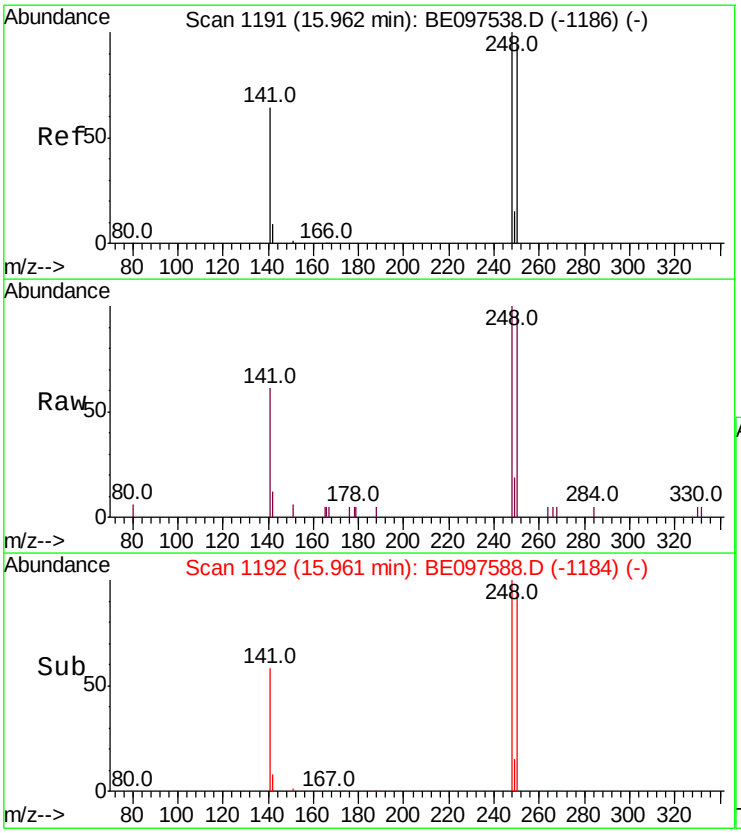
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.75 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 8123

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	11.9	3.6	5.4#

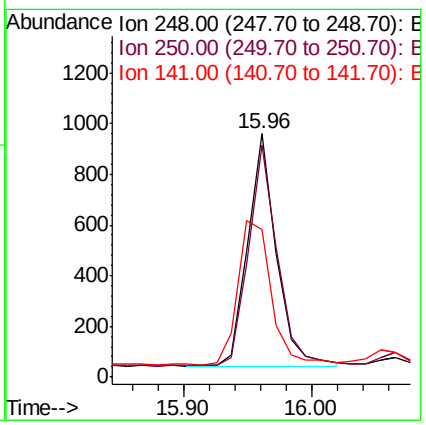


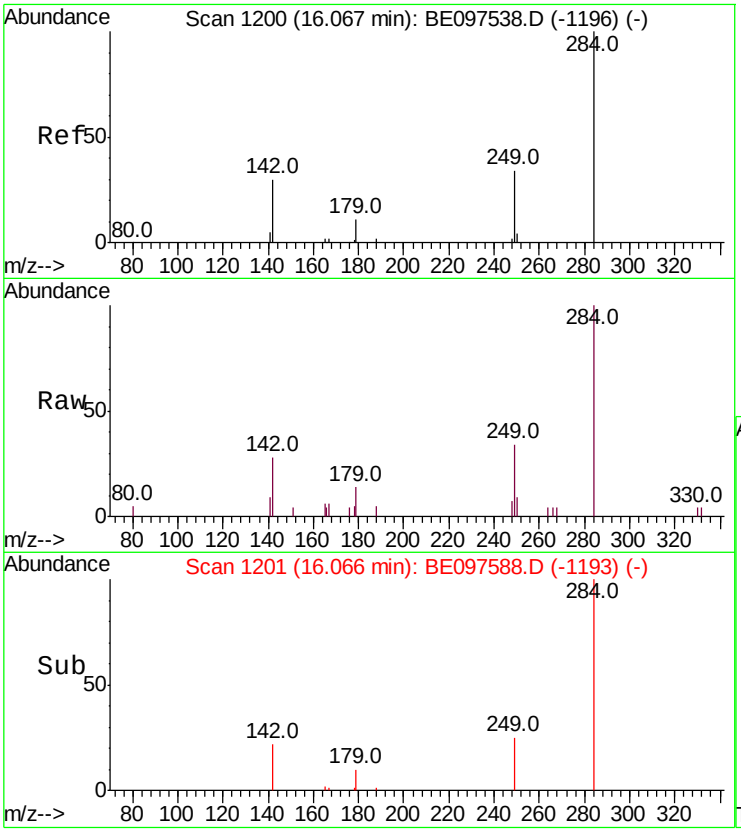


#20
4-Bromophenyl-phenylether
Concen: 0.388 ng
RT: 15.96 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion:248 Resp: 1422

Ion	Ratio	Lower	Upper
248	100		
250	95.5	62.7	94.1#
141	60.7	48.2	72.2



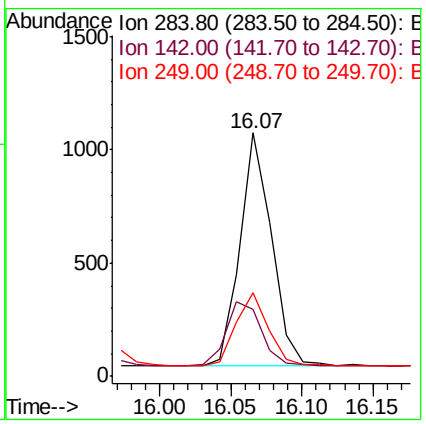


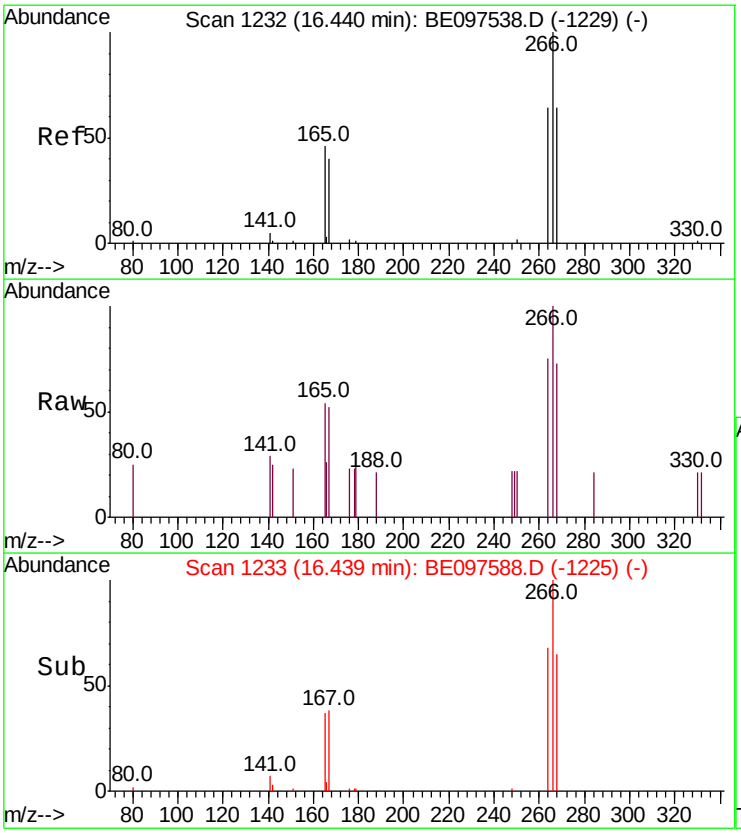
#21
Hexachlorobenzene
Concen: 0.395 ng
RT: 16.07 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 1592

Ion	Ratio	Lower	Upper
284	100		
142	30.5	22.1	33.1
249	31.5	34.8	52.2#

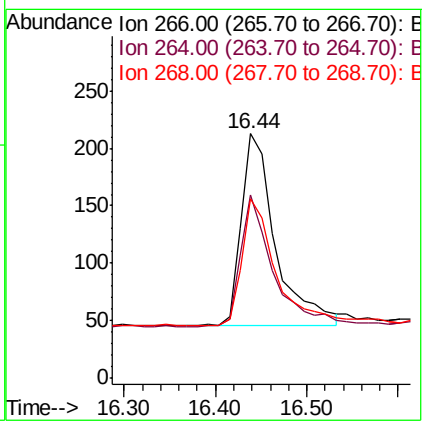


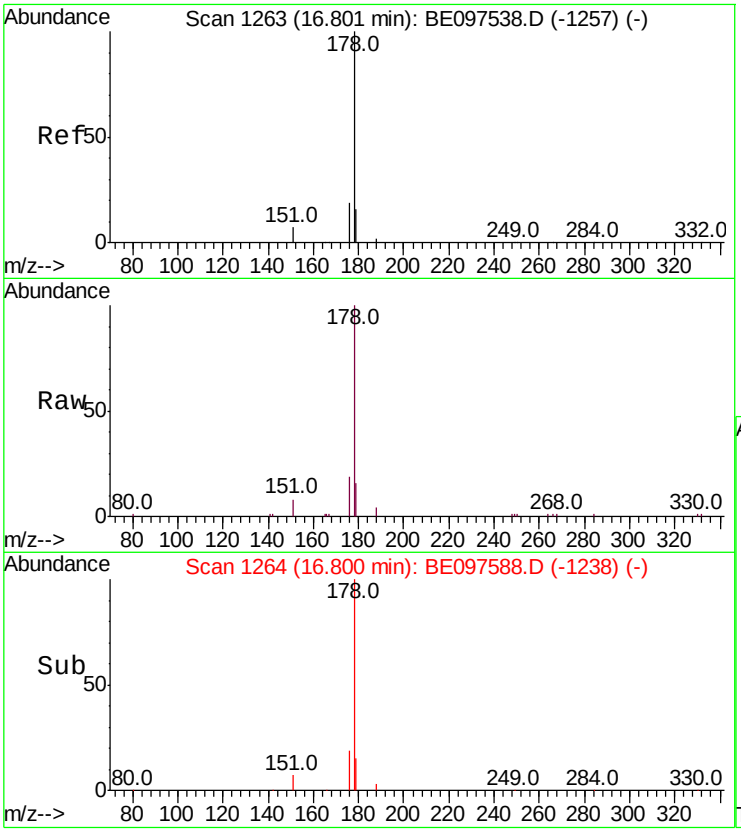


#22
Pentachlorophenol
Concen: 0.373 ng
RT: 16.44 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion:266 Resp: 440

Ion	Ratio	Lower	Upper
266	100		
264	74.6	72.5	108.7
268	73.2	73.8	110.6#



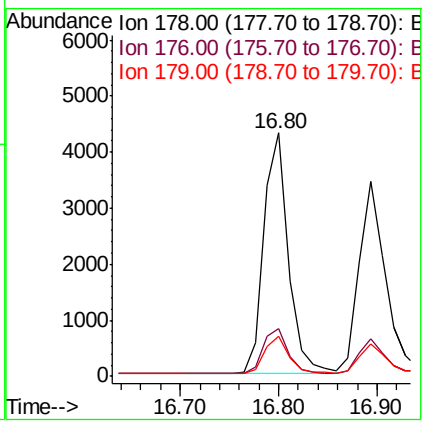


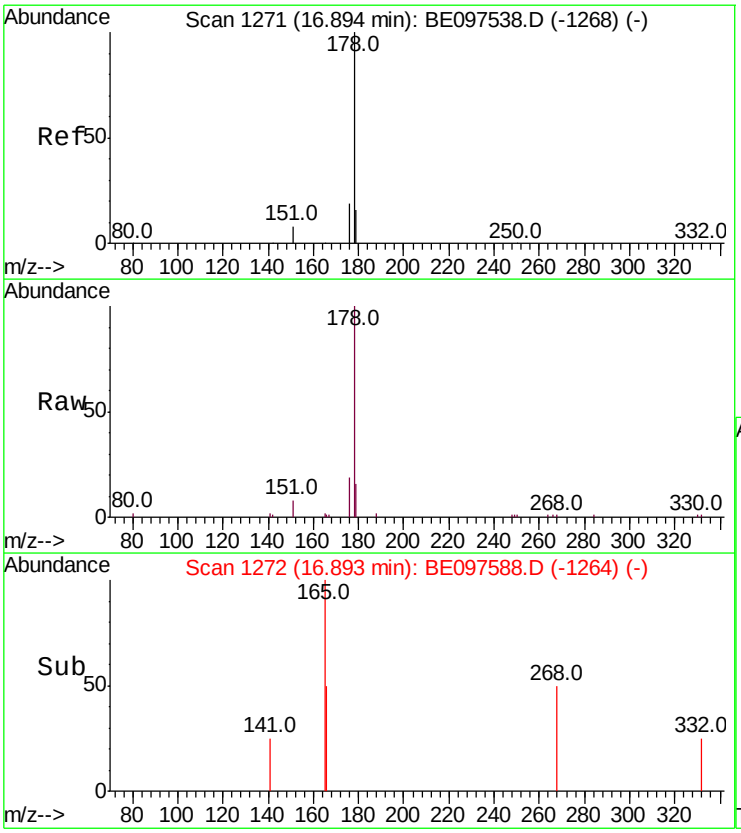
#23
Phenanthrene
Concen: 0.385 ng
RT: 16.80 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 7416

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.5	11.8	17.6

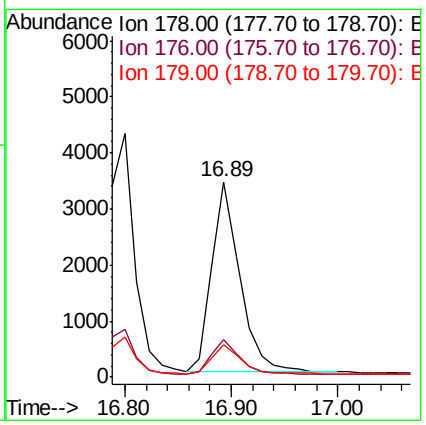


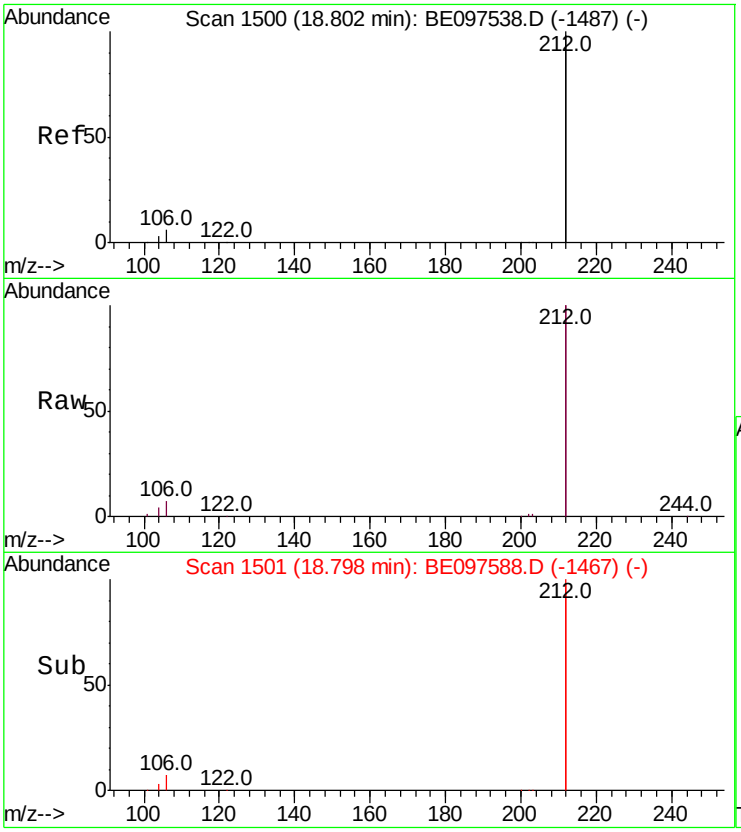


#24
Anthracene
Concen: 0.367 ng
RT: 16.89 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion:178 Resp: 6259

Ion	Ratio	Lower	Upper
178	100		
176	18.5	12.8	19.2
179	15.2	13.0	19.6



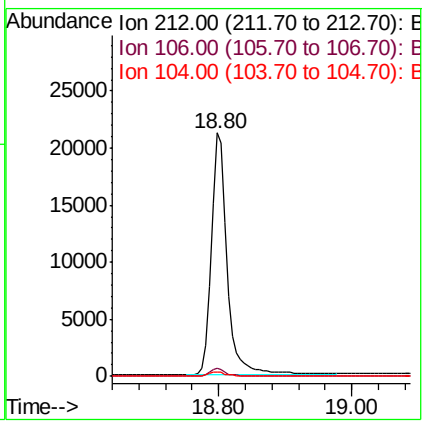


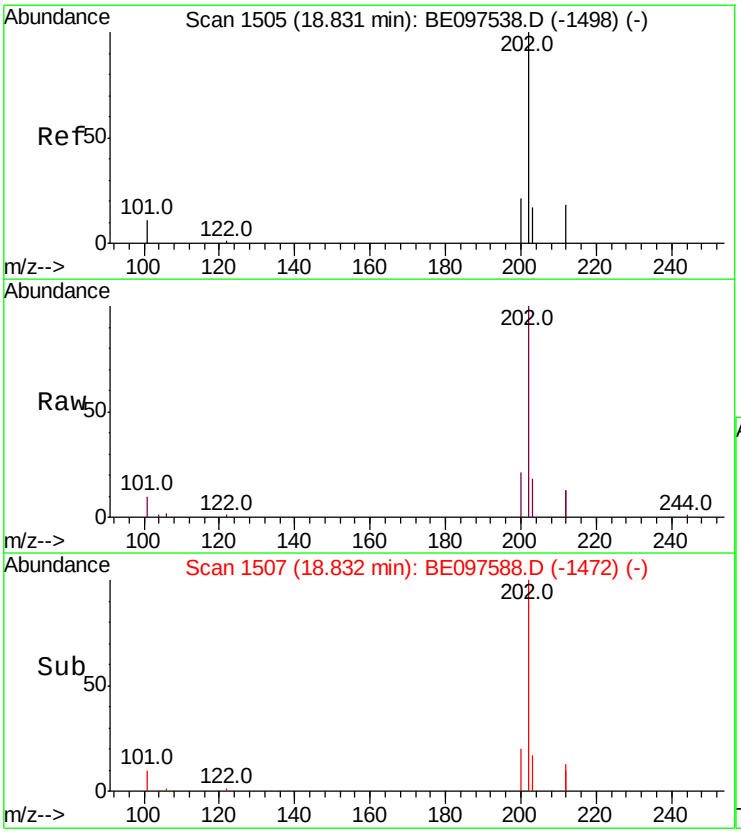
#25
Fluoranthene-d10
Concen: 0.330 ng
RT: 18.80 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 34304

Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.8	4.2
104	1.7	1.6	2.4

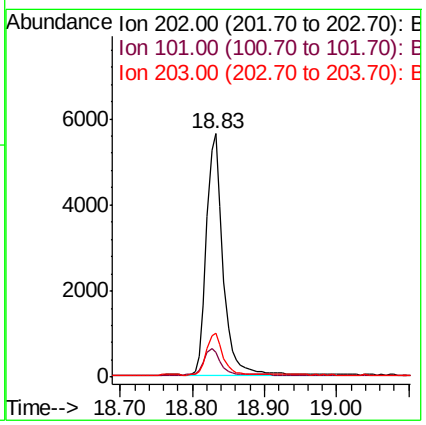


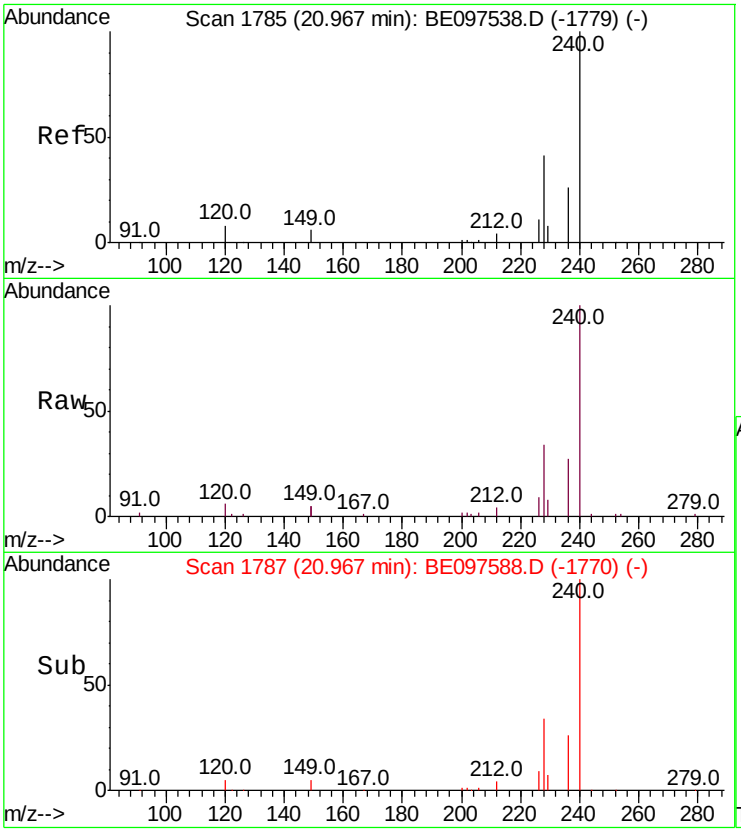


#26
Fluoranthene
Concen: 0.334 ng
RT: 18.83 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion:202 Resp: 8942

Ion	Ratio	Lower	Upper
202	100		
101	11.0	9.8	14.8
203	16.9	13.7	20.5



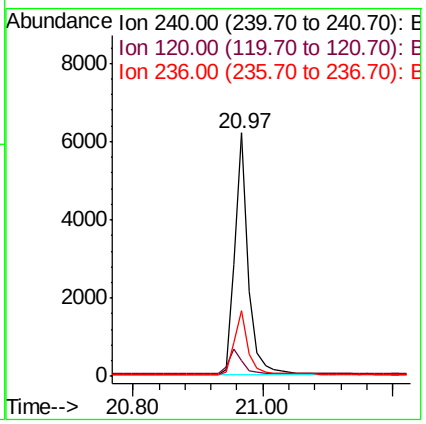


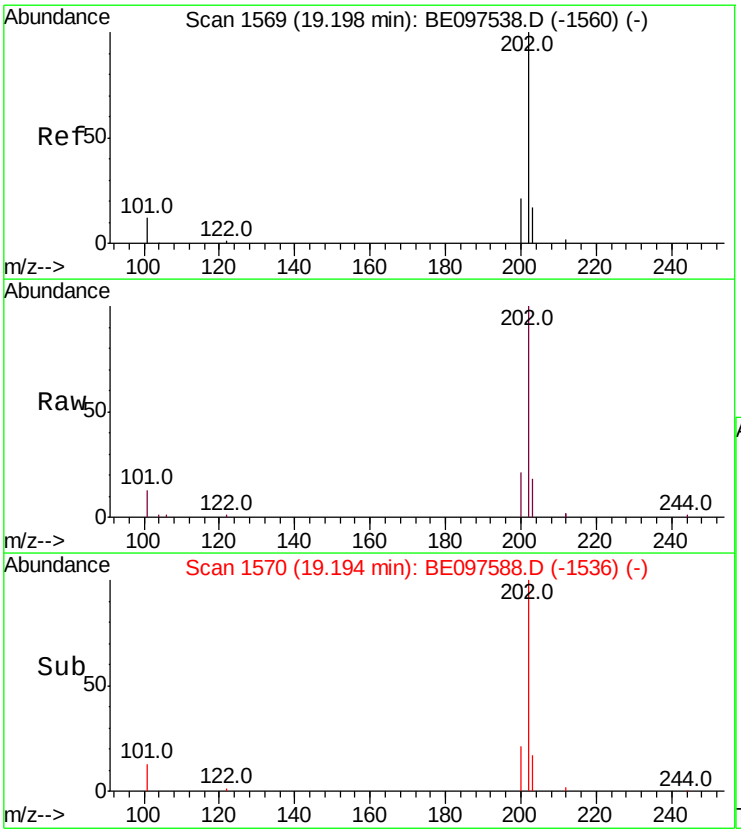
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 9034

Ion	Ratio	Lower	Upper
240	100		
120	6.5	5.5	8.3
236	26.7	20.7	31.1

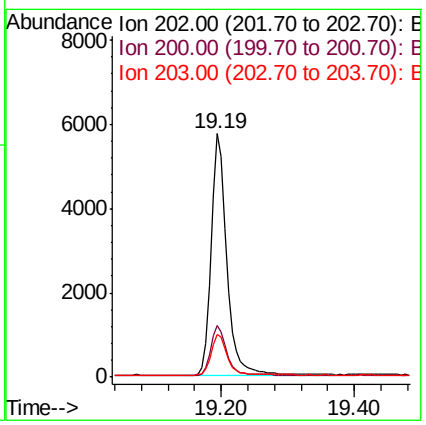


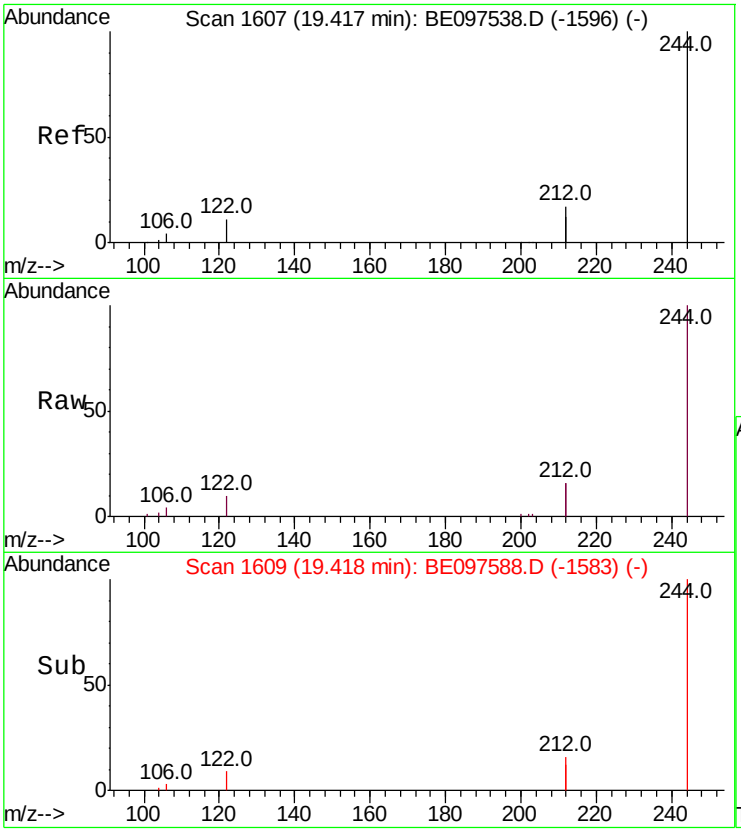


#28
Pyrene
Concen: 0.447 ng
RT: 19.19 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion:202 Resp: 9195

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	17.6	13.8	20.8



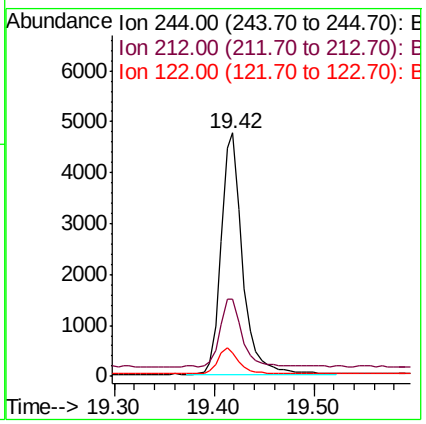


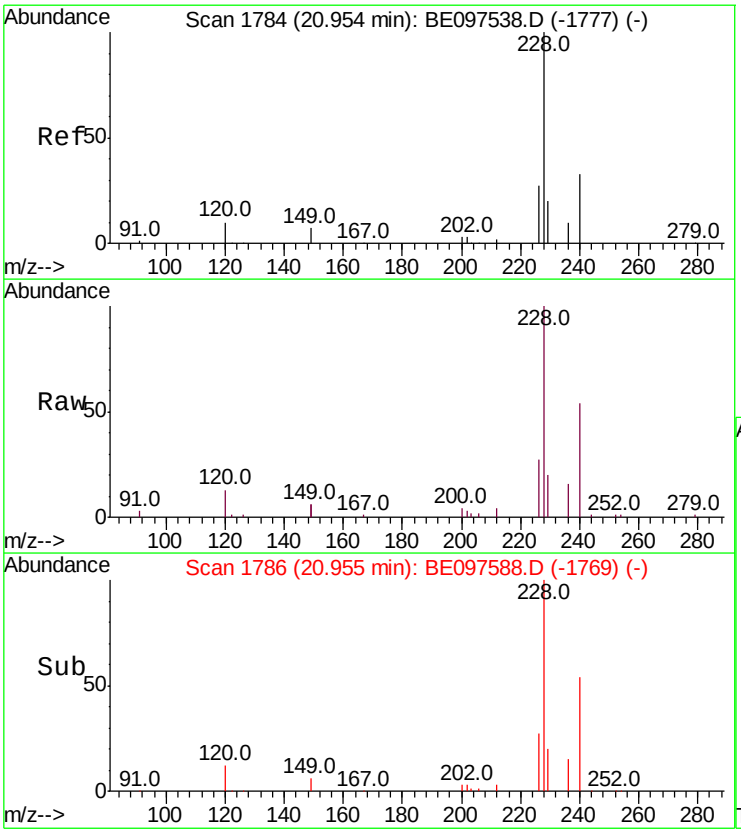
#29
Terphenyl-d14
Concen: 0.422 ng
RT: 19.42 min Scan# 1609
Delta R.T. 0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 6977

Ion	Ratio	Lower	Upper
244	100		
212	31.7	25.4	38.0
122	9.7	8.1	12.1

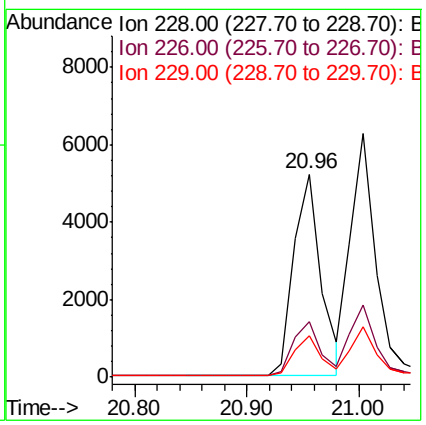


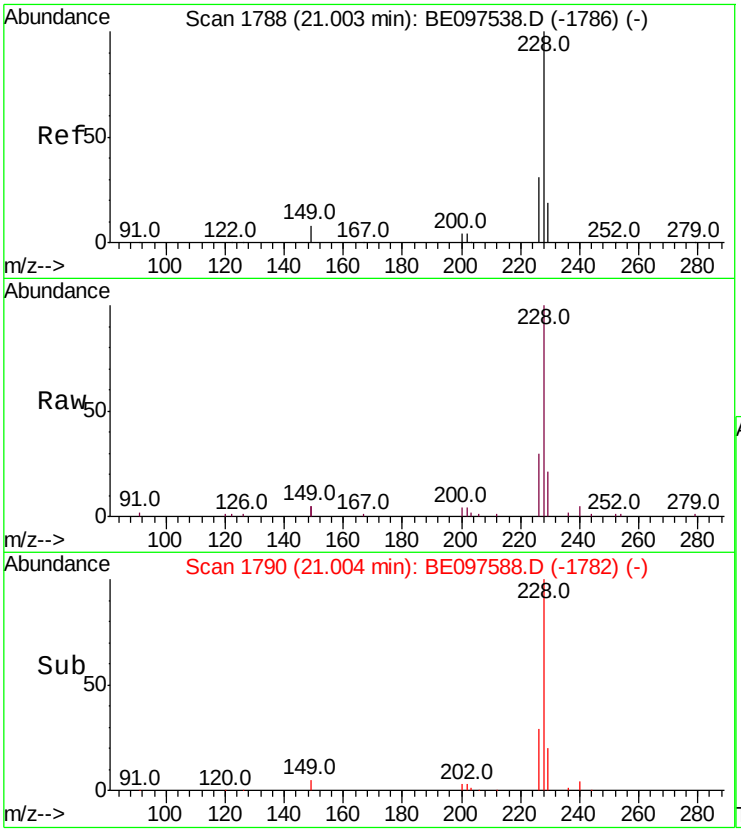


#30
Benzo(a)anthracene
Concen: 0.383 ng
RT: 20.96 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion:228 Resp: 8702

Ion	Ratio	Lower	Upper
228	100		
226	27.4	24.0	36.0
229	20.4	16.0	24.0



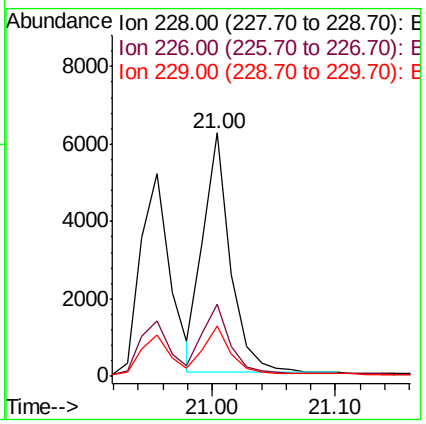


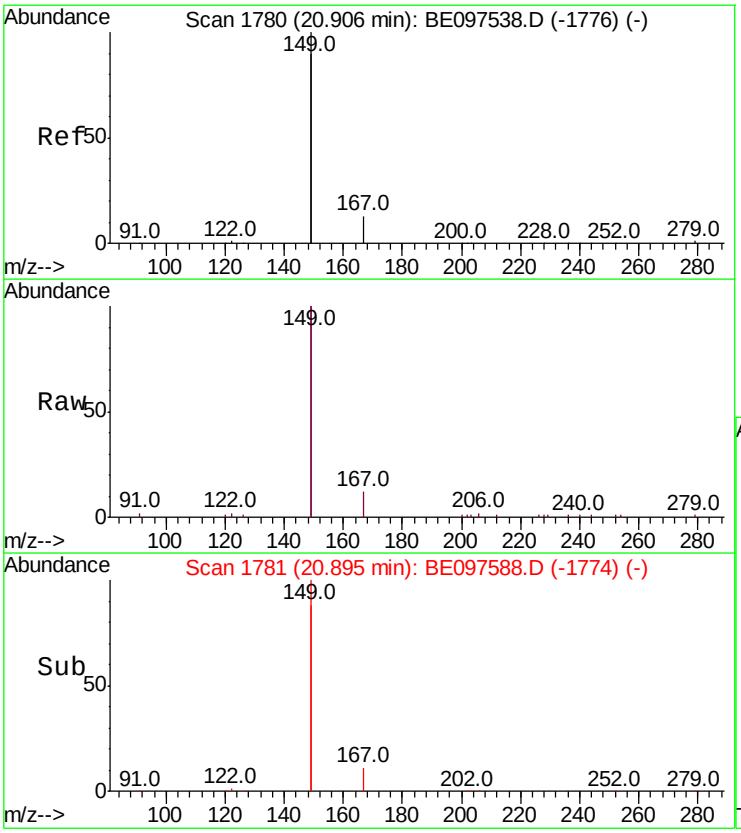
#31
Chrysene
Concen: 0.392 ng
RT: 21.00 min Scan# 1790
Delta R.T. 0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 9560

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	20.6	16.0	24.0

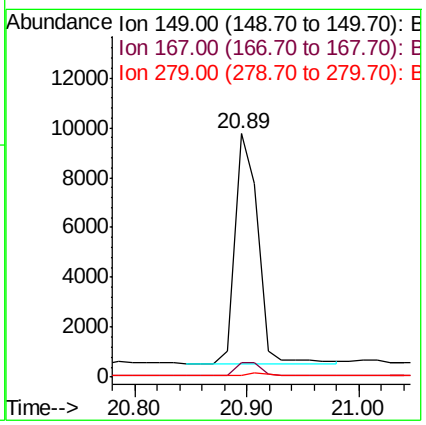


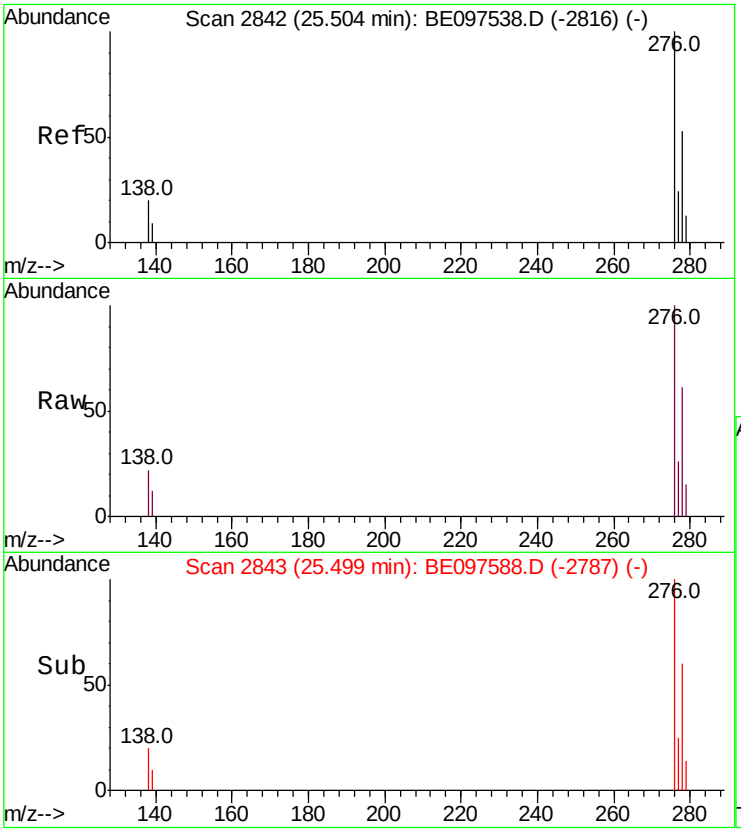


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.352 ng
RT: 20.89 min Scan# 1781
Delta R.T. -0.01 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion:149 Resp: 13057

Ion	Ratio	Lower	Upper
149	100		
167	6.4	5.4	8.0
279	1.1	0.7	1.1#



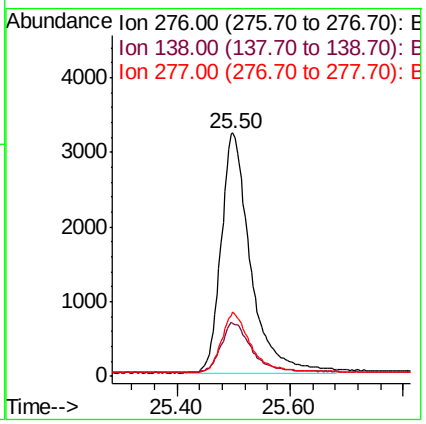


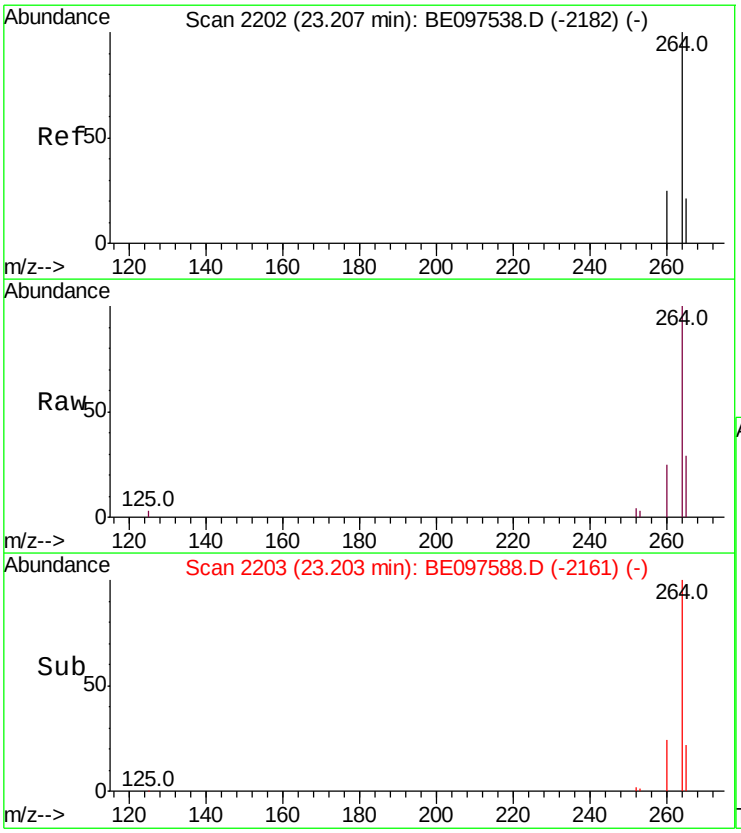
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.394 ng
RT: 25.50 min Scan# 2843
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 11566

Ion	Ratio	Lower	Upper
276	100		
138	21.2	22.5	33.7#
277	24.6	19.9	29.9

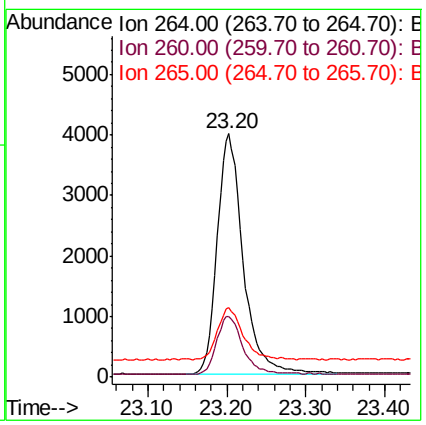


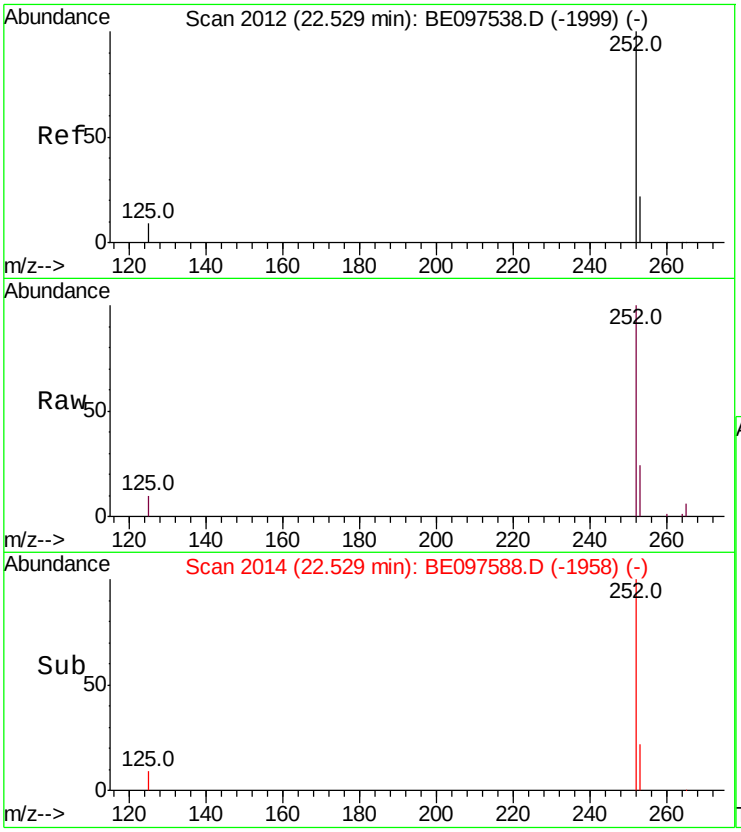


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.20 min Scan# 2203
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion:264 Resp: 9030

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.5	30.7
265	28.5	22.8	34.2



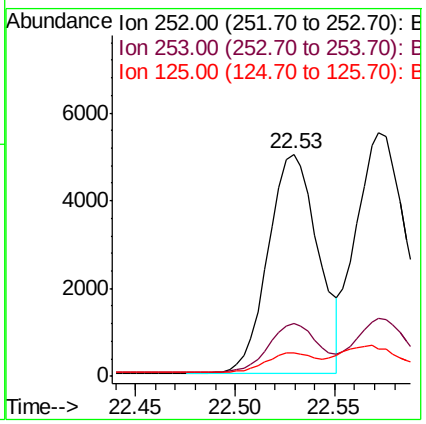


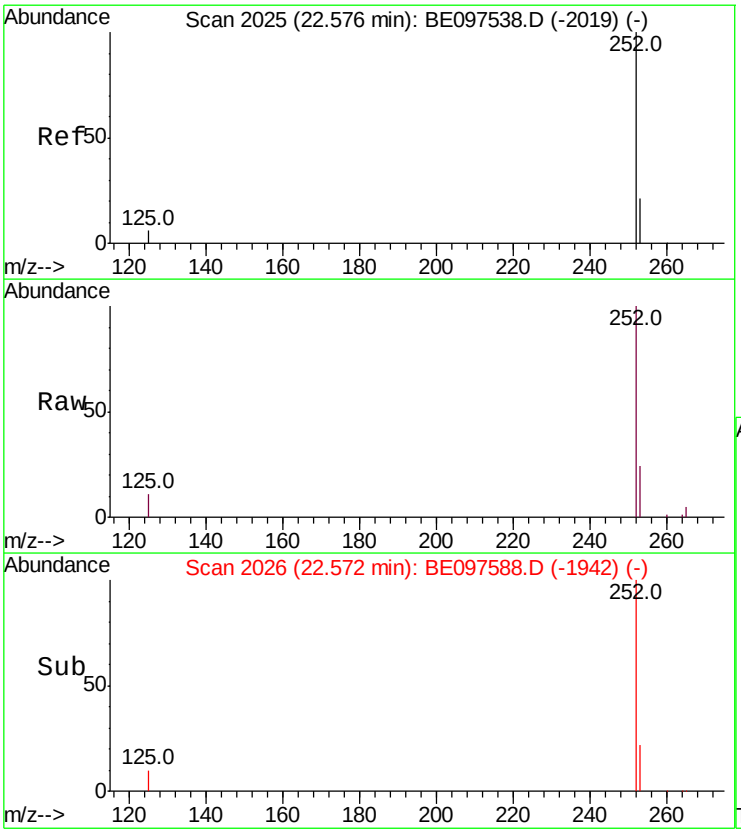
#35
Benzo(b)fluoranthene
Concen: 0.375 ng
RT: 22.53 min Scan# 2014
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 8672

Ion	Ratio	Lower	Upper
252	100		
253	23.8	20.0	30.0
125	10.3	16.0	24.0#

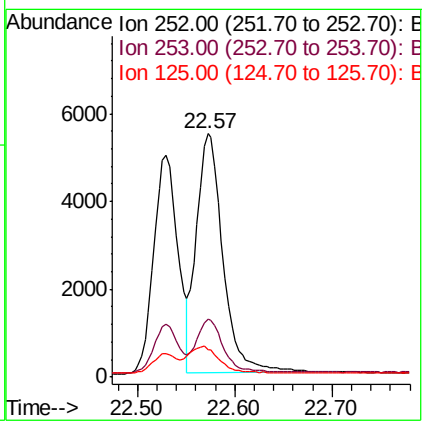


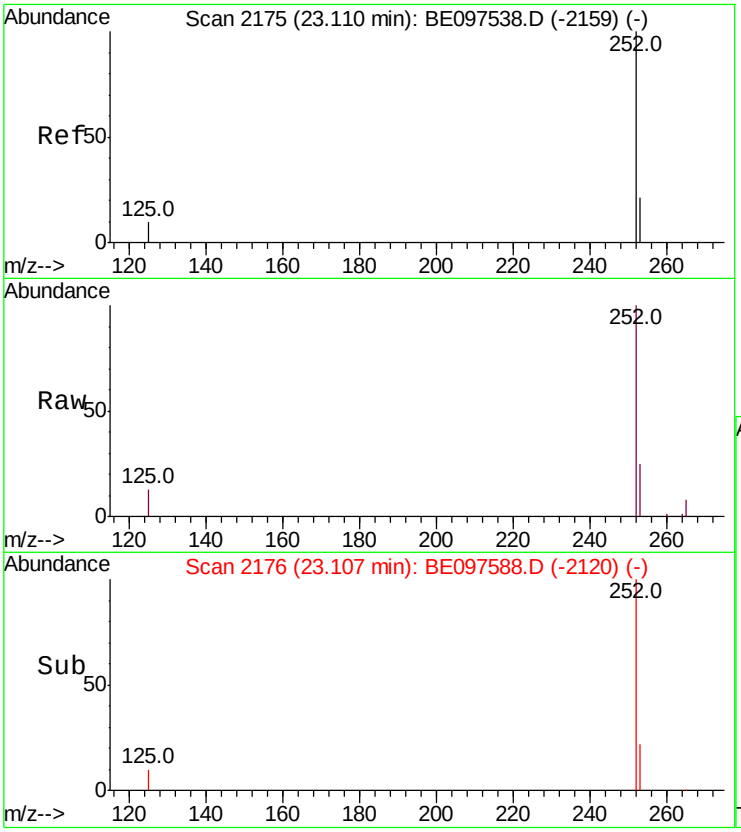


#36
Benzo(k)fluoranthene
Concen: 0.390 ng
RT: 22.57 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion:252 Resp: 10312

Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.0	24.0
125	11.3	8.0	12.0



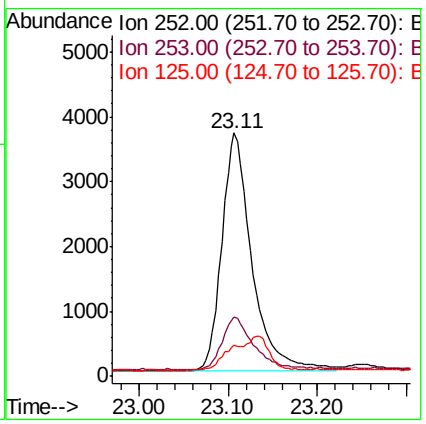


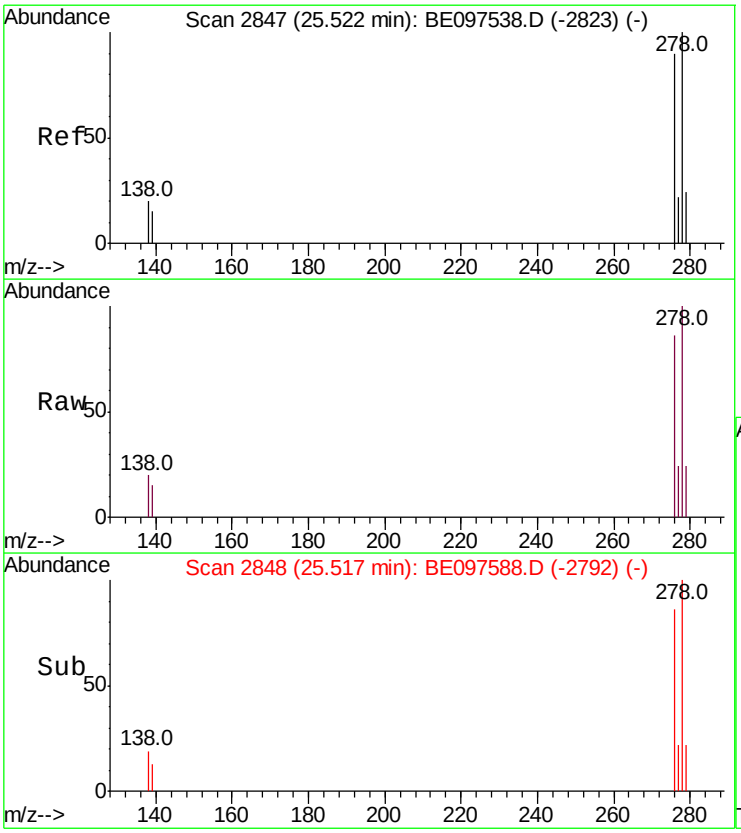
#37
Benzo(a)pyrene
Concen: 0.389 ng
RT: 23.11 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 8709

Ion	Ratio	Lower	Upper
252	100		
253	24.5	16.0	24.0#
125	12.6	12.0	18.0

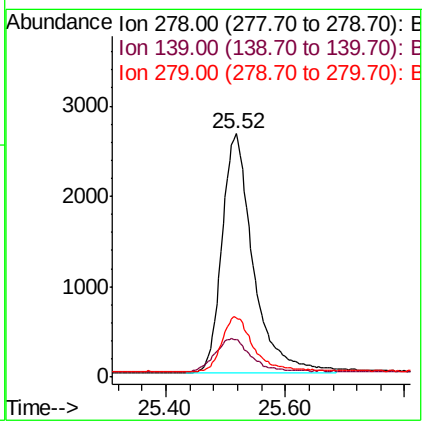


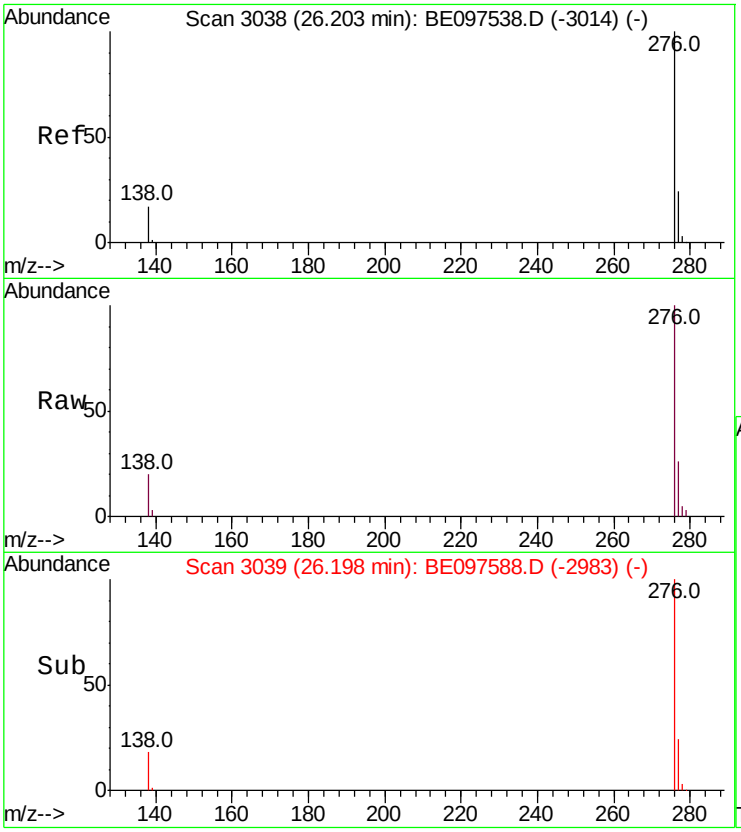


#38
Dibenzo(a,h)anthracene
Concen: 0.395 ng
RT: 25.52 min Scan# 2848
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Tgt Ion:278 Resp: 9596

Ion	Ratio	Lower	Upper
278	100		
139	15.2	16.0	24.0#
279	24.1	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.389 ng
RT: 26.20 min Scan# 3039
Delta R.T. -0.00 min
Lab File: BE097588.D
Acq: 20 Sep 2018 23:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 9183

Ion	Ratio	Lower	Upper
276	100		
277	26.0	16.0	24.0#
138	19.7	20.0	30.0#