Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE110718\
Data File : BE098177.D
Acq On : 7 Nov 2018 17:04
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Nov 08 08:46:47 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE110118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 13:00:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	995	0.40	ng		-0.01
7) Naphthalene-d8	10.67	136	5042	0.40	ng		0.00
13) Acenaphthene-d10	14.53	164	3242	0.40	ng		-0.01
19) Phenanthrene-d10	17.28	188	7899	0.40	ng		0.00
27) Chrysene-d12	21.46	240	9014	0.40	ng		0.00
34) Perylene-d12	24.02	264	8741	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.46	112	1224	0.41	ng		0.00
5) Phenol-d6	7.04	99	2077	0.43	ng		0.00
8) Nitrobenzene-d5	9.02	82	2136	0.40	ng		-0.01
11) 2-Methylnaphthalene-d10	12.27	152	3617	0.41	ng		0.00
14) 2,4,6-Tribromophenol	16.03	330	624	0.41	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	5521	0.41	ng		-0.01
25) Fluoranthene-d10	19.32	212	41318	0.41	ng		0.00
29) Terphenyl-d14	19.91	244	8733	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.38	88	635	0.428	ng		95
3) n-Nitrosodimethylamine	3.69	42	812	0.410	ng	#	81
6) bis(2-Chloroethyl)ether	7.29	93	1461	0.410	ng		88
9) Naphthalene	10.72	128	20388	0.405	ng		99
10) Hexachlorobutadiene	11.00	225	1327	0.401	ng		96
12) 2-Methylnaphthalene	12.34	142	3709	0.412	ng		94
16) Acenaphthylene	14.25	152	6398	0.433	ng		99
17) Acenaphthene	14.60	154	3934	0.443	ng		98
18) Fluorene	15.58	166	5097	0.433	ng		99
20) 4-Bromophenyl-phenylether	16.46	248	2047	0.425	ng	#	84
21) Hexachlorobenzene	16.59	284	2111	0.419	ng		98
22) Pentachlorophenol	16.94	266	543	0.499	ng		97
23) Phenanthrene	17.33	178	7988	0.408	ng		100
24) Anthracene	17.41	178	7609	0.409	ng		99
26) Fluoranthene	19.34	202	10031	0.409	ng		96
28) Pyrene	19.71	202	10314	0.419	ng		100
30) Benzo(a)anthracene	21.45	228	10986	0.417	ng		98
31) Chrysene	21.50	228	10973	0.421	ng		99
32) Bis(2-ethylhexyl)phthalate	21.37	149	25915	0.294	ng		99
33) Indeno(1,2,3-cd)pyrene	26.70	276	11035	0.407	ng	#	95
35) Benzo(b)fluoranthene	23.23	252	9983	0.406	ng	#	90
36) Benzo(k)fluoranthene	23.28	252	10718	0.421	ng	#	88
37) Benzo(a)pyrene	23.90	252	9846	0.409	ng	#	90
38) Dibenzo(a,h)anthracene	26.73	278	9059	0.404	ng	#	95
39) Benzo(g,h,i)perylene	27.53	276	9034	0.404	ng	#	92

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

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Misc :
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Instrument :
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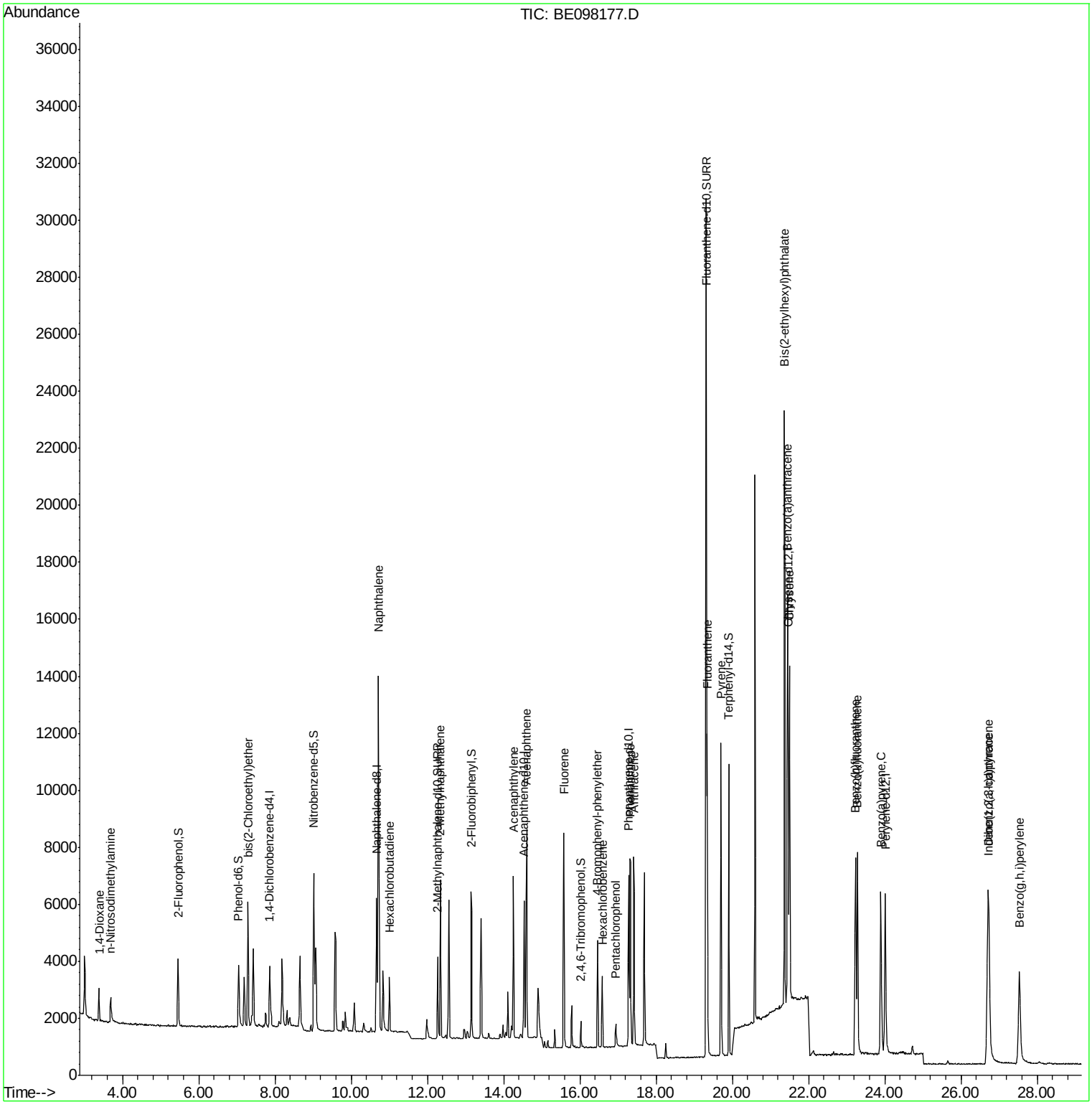
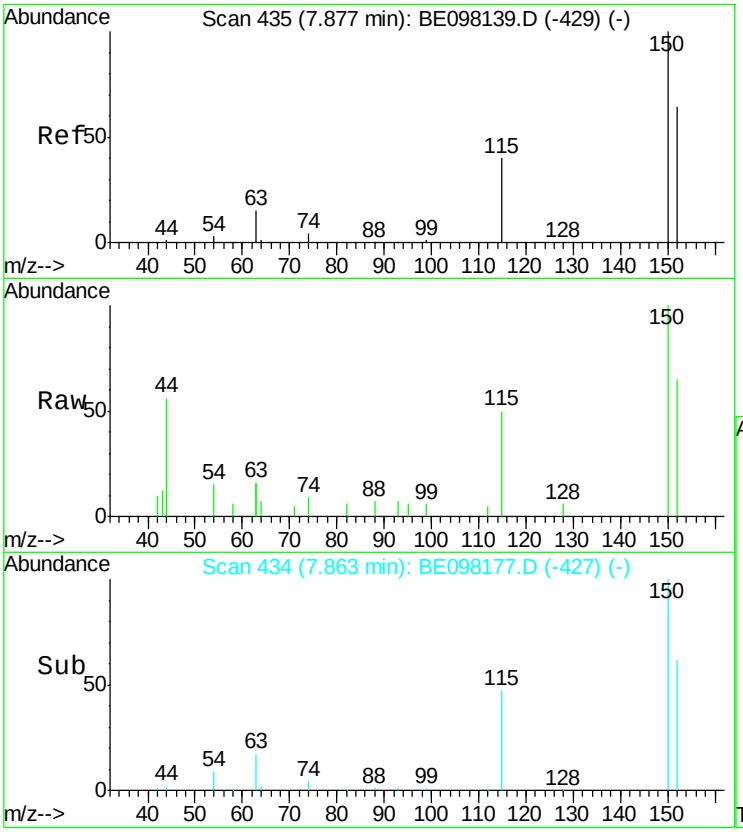
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Nov 08 08:46:47 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE110118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 13:00:52 2018
Response via : Initial Calibration



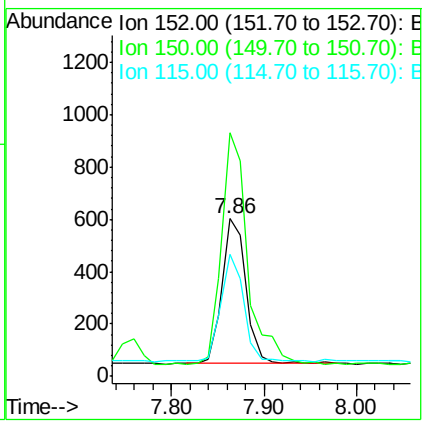


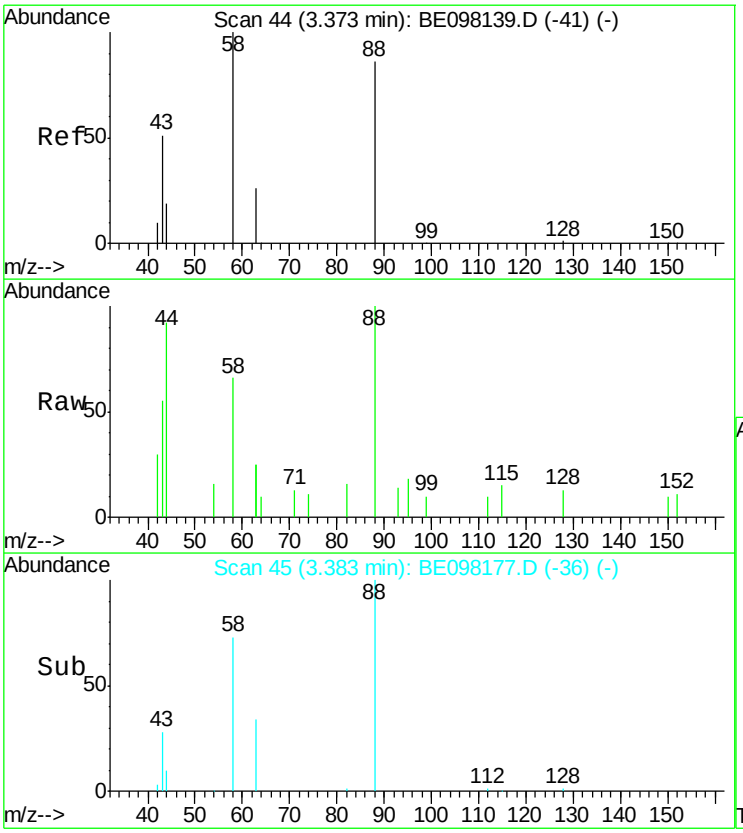
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.01 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 995

Ion	Ratio	Lower	Upper
152	100		
150	154.9	118.2	177.4
115	77.9	50.9	76.3#

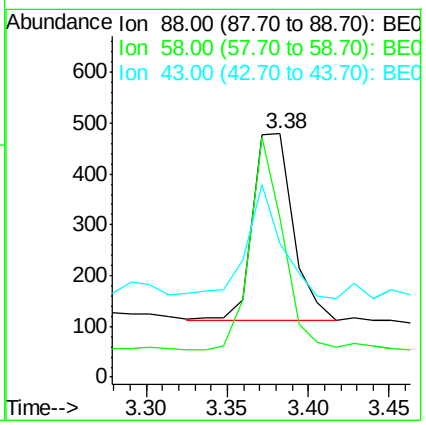


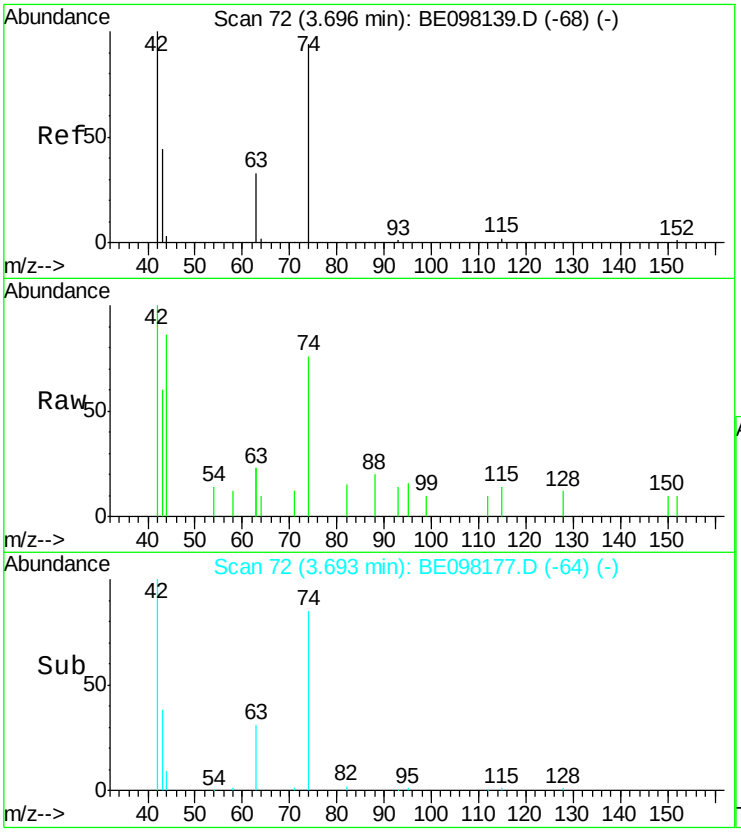


#2
1,4-Dioxane
Concen: 0.428 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion: 88 Resp: 635

Ion	Ratio	Lower	Upper
88	100		
58	93.4	73.2	109.8
43	53.2	36.9	55.3



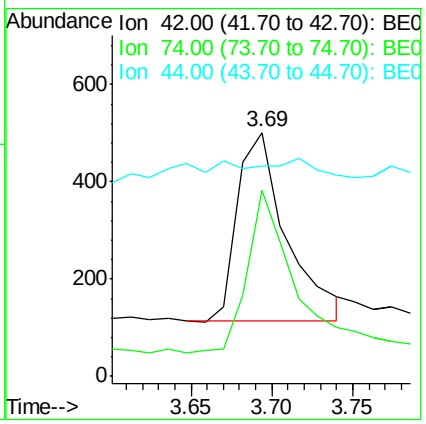


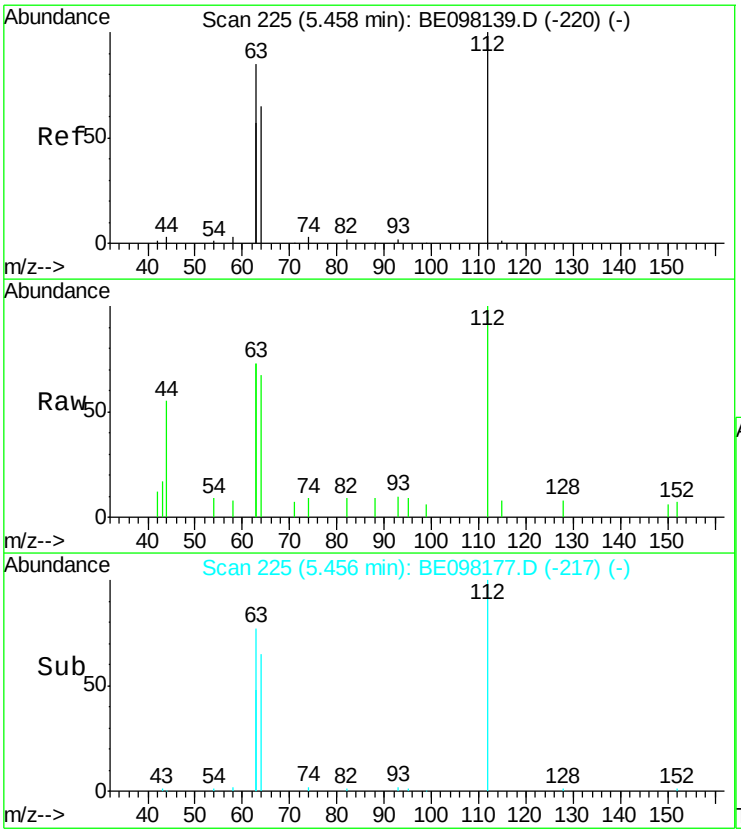
#3
n-Nitrosodimethylamine
Concen: 0.410 ng
RT: 3.69 min Scan# 72
Delta R.T. -0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 812

Ion	Ratio	Lower	Upper
42	100		
74	78.7	77.6	116.4
44	0.0	7.6	11.4#

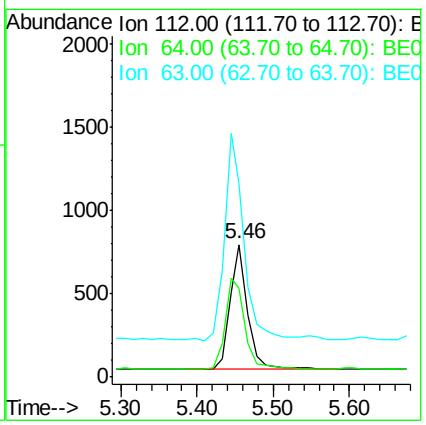


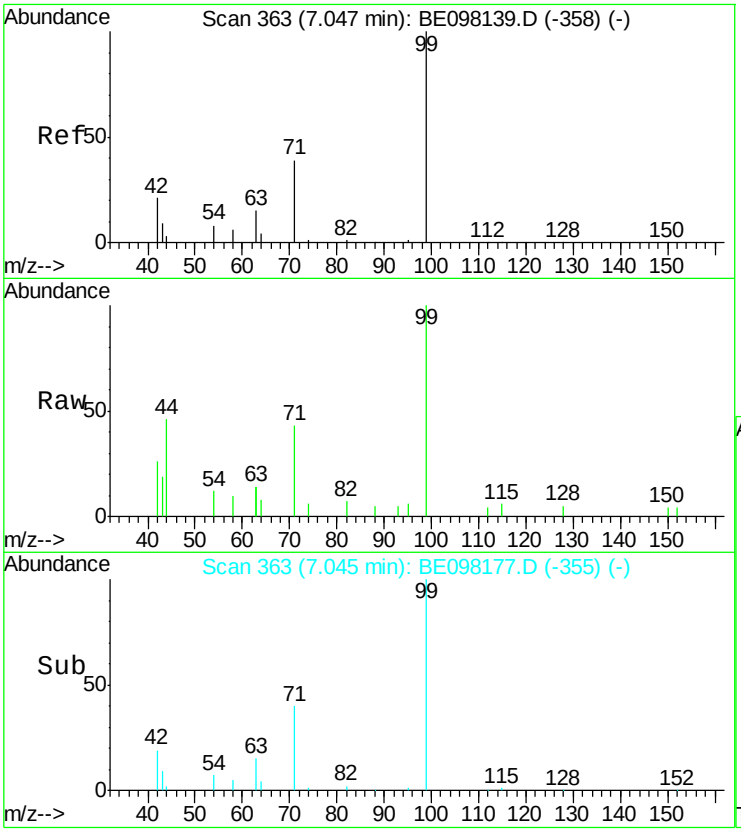


#4
2-Fluorophenol
Concen: 0.414 ng
RT: 5.46 min Scan# 225
Delta R.T. -0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion:112 Resp: 1224

Ion	Ratio	Lower	Upper
112	100		
64	81.0	58.9	88.3
63	176.8	120.3	180.5



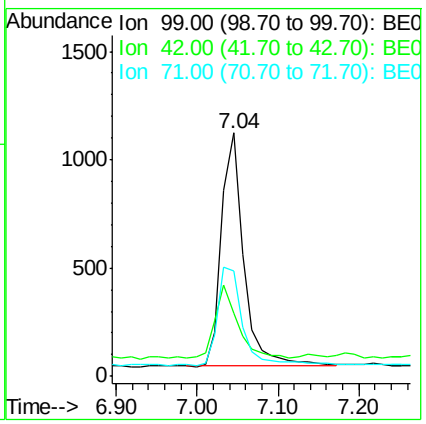


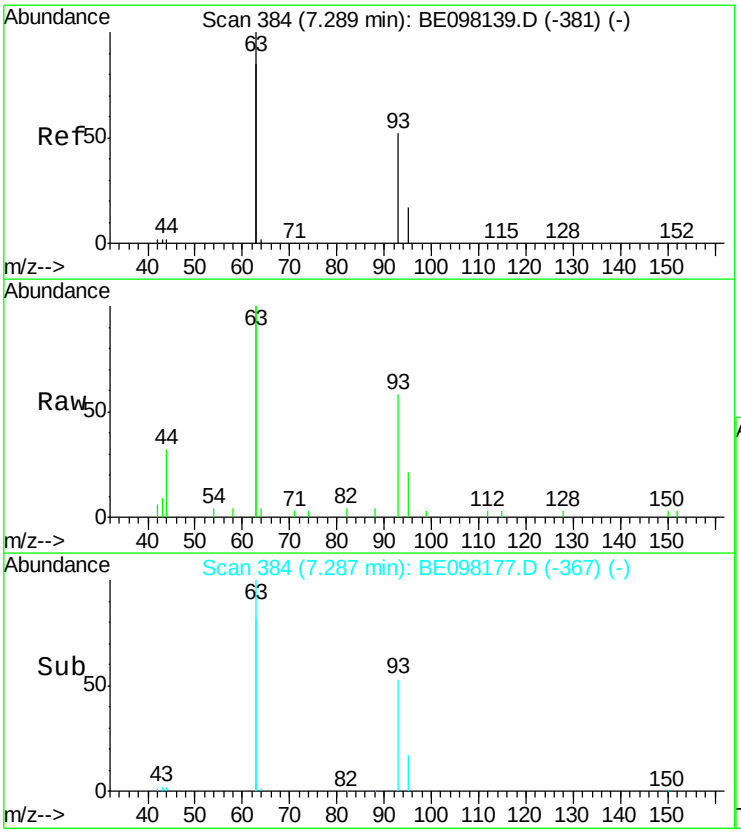
#5
Phenol-d6
Concen: 0.427 ng
RT: 7.04 min Scan# 363
Delta R.T. -0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 2077

Ion	Ratio	Lower	Upper
99	100		
42	31.9	19.9	29.9#
71	47.4	27.8	41.8#

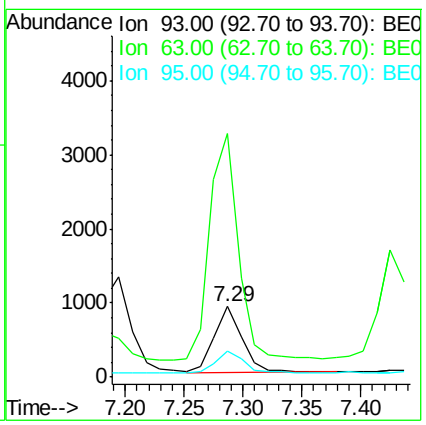


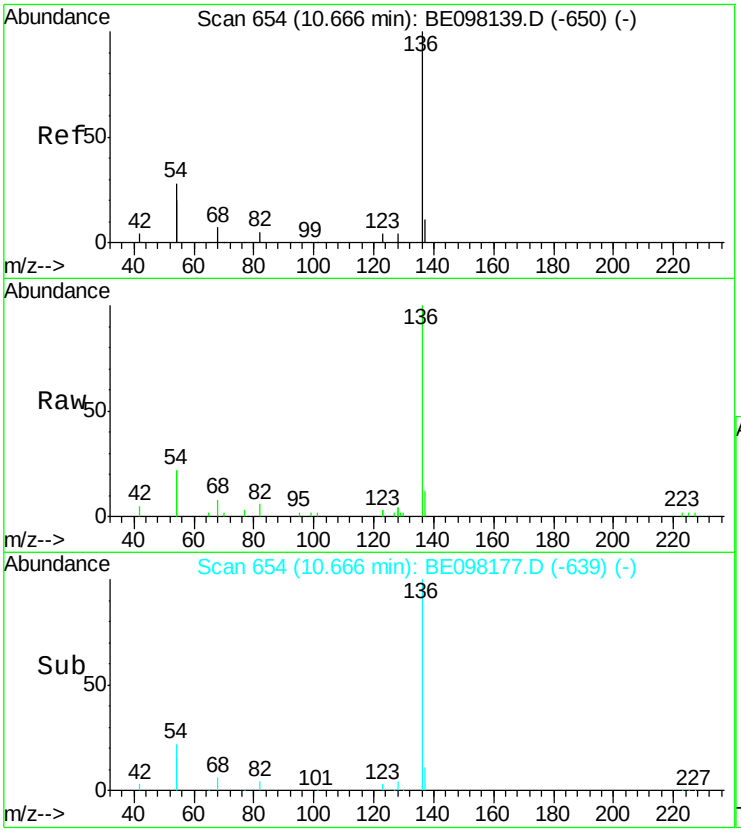


#6
bis(2-Chloroethyl)ether
Concen: 0.410 ng
RT: 7.29 min Scan# 384
Delta R.T. -0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion: 93 Resp: 1461

Ion	Ratio	Lower	Upper
93	100		
63	351.1	259.0	388.4
95	33.9	27.8	41.8



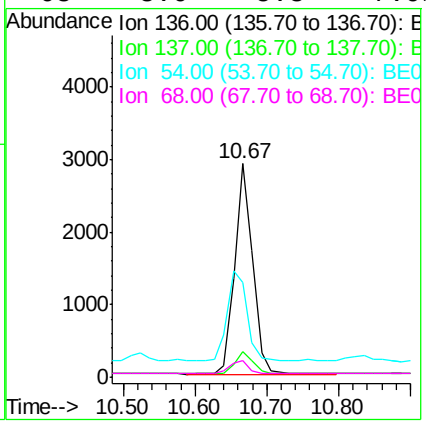


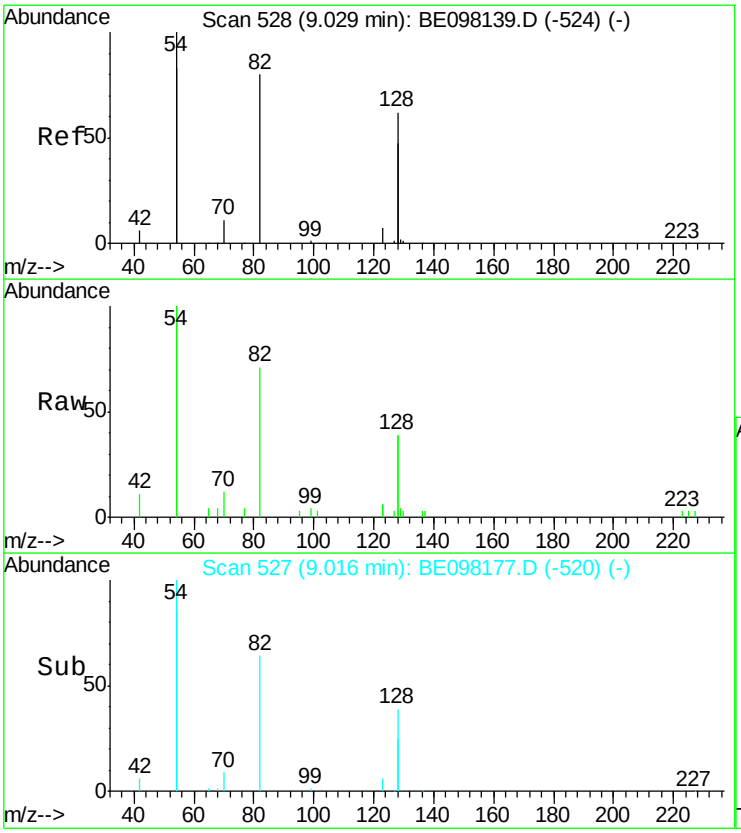
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.67 min Scan# 654
Delta R.T. 0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 5042

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.6	14.4
54	44.1	27.7	41.5#
68	8.0	5.3	7.9#

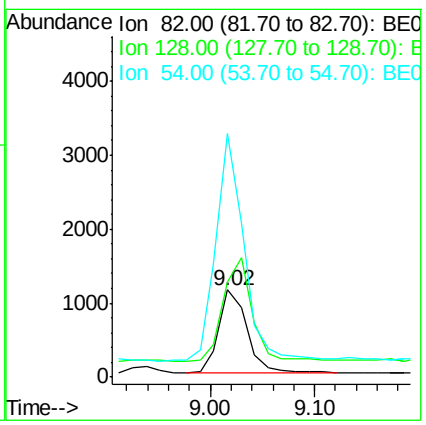


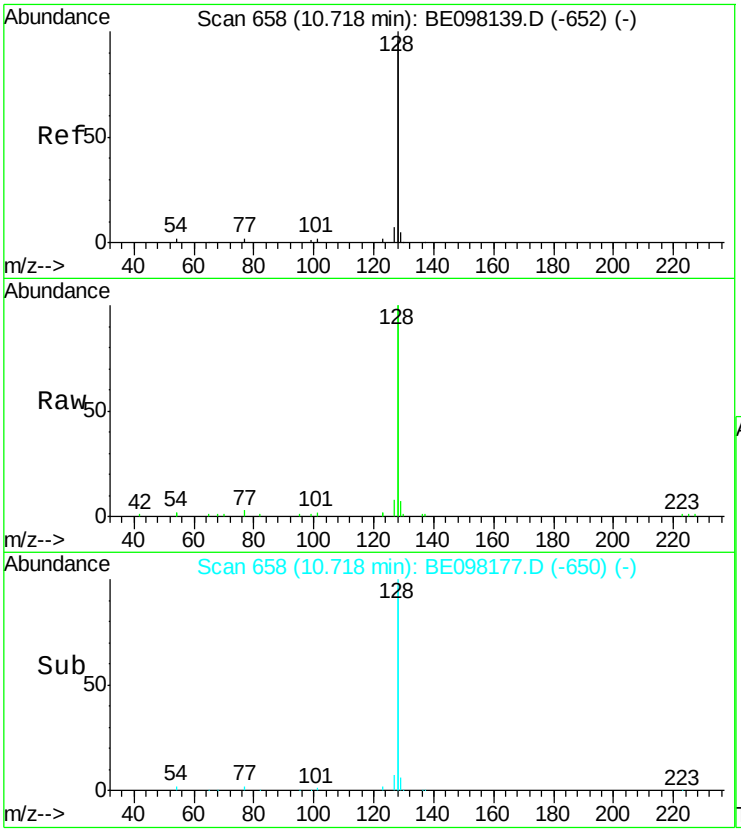


#8
Nitrobenzene-d5
Concen: 0.395 ng
RT: 9.02 min Scan# 527
Delta R.T. -0.01 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion: 82 Resp: 2136

Ion	Ratio	Lower	Upper
82	100		
128	108.9	129.9	194.9#
54	280.2	174.0	261.0#



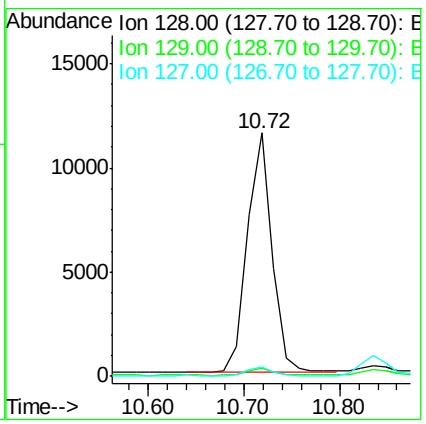


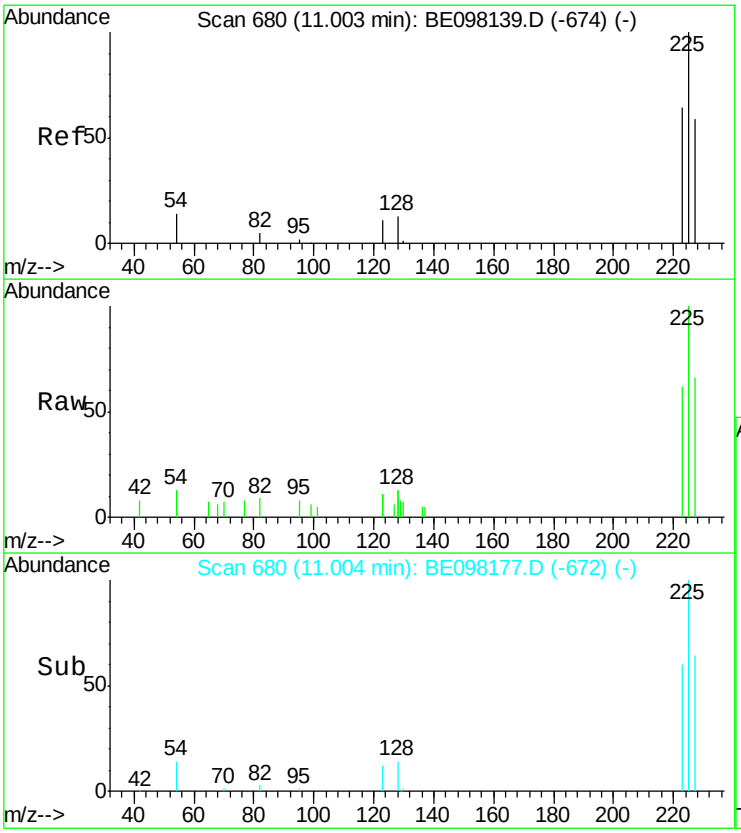
#9
Naphthalene
Concen: 0.405 ng
RT: 10.72 min Scan# 658
Delta R.T. 0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 20388

Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.5	3.7
127	3.8	2.8	4.2

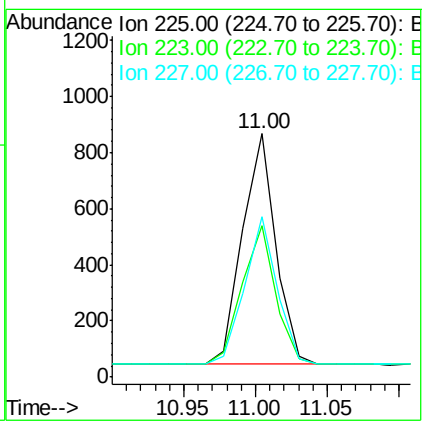


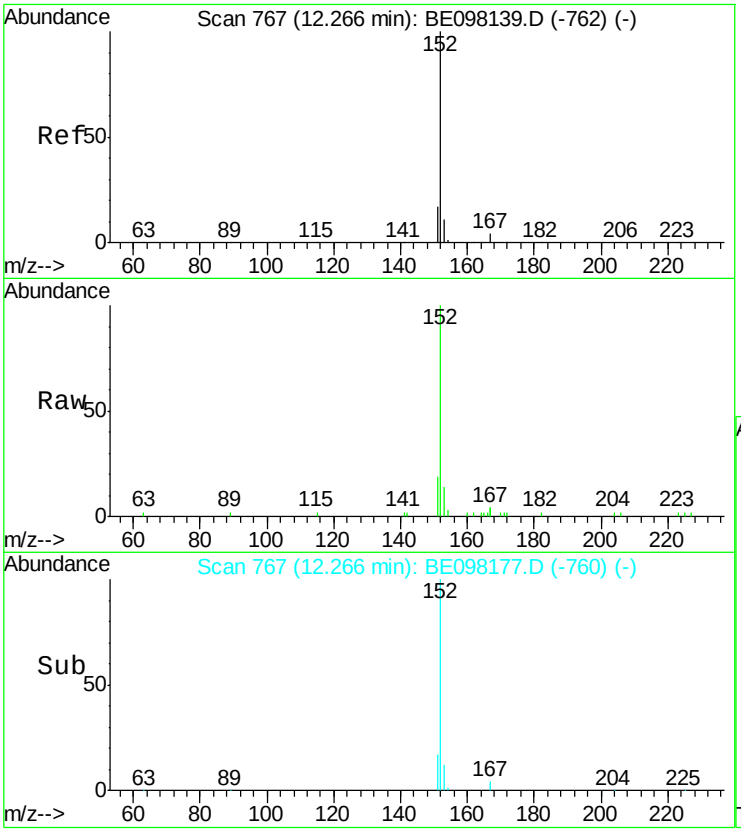


#10
Hexachlorobutadiene
Concen: 0.401 ng
RT: 11.00 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion:225 Resp: 1327

Ion	Ratio	Lower	Upper
225	100		
223	61.1	51.8	77.8
227	63.1	53.0	79.6



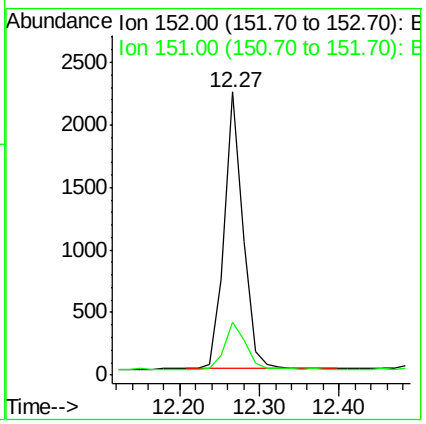


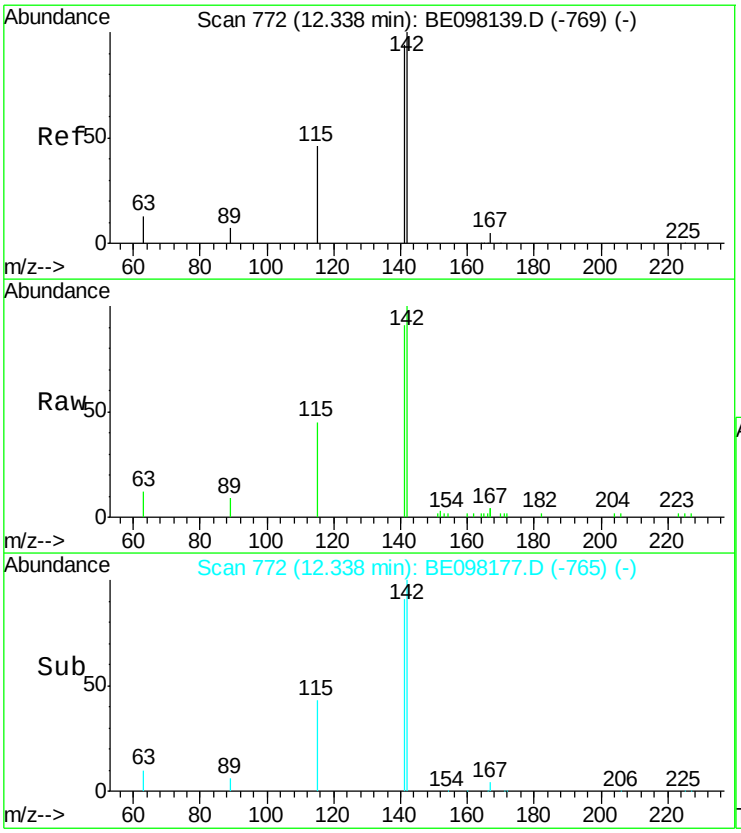
#11
2-Methylnaphthalene-d10
Concen: 0.407 ng
RT: 12.27 min Scan# 767
Delta R.T. 0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3617

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.2	24.4

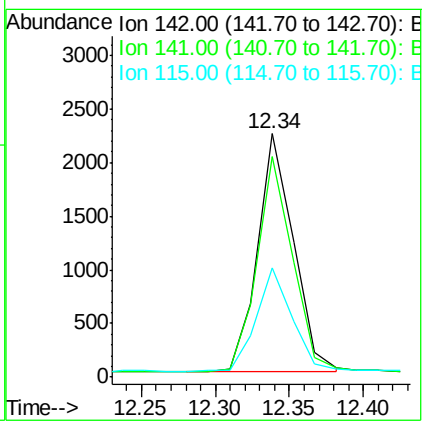


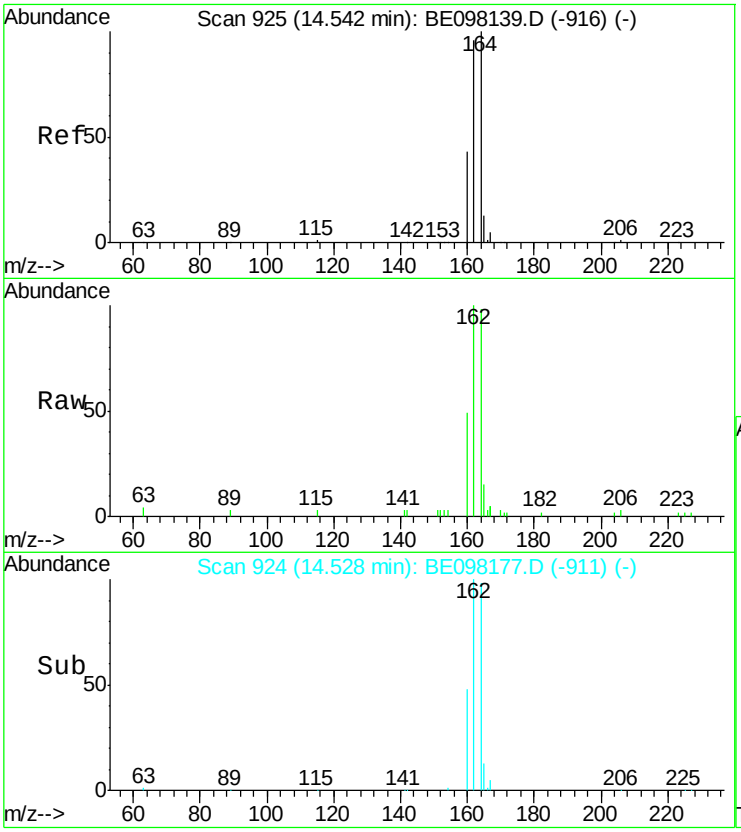


#12
2-Methylnaphthalene
Concen: 0.412 ng
RT: 12.34 min Scan# 772
Delta R.T. 0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion:142 Resp: 3709

Ion	Ratio	Lower	Upper
142	100		
141	90.7	69.8	104.6
115	44.8	30.5	45.7



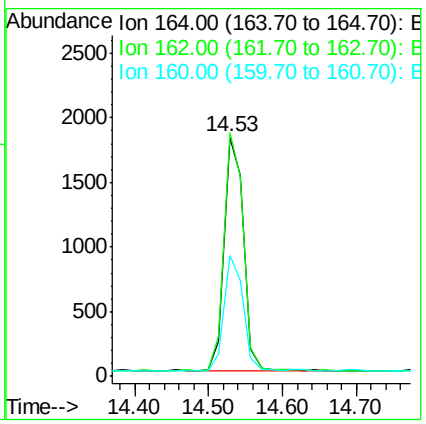


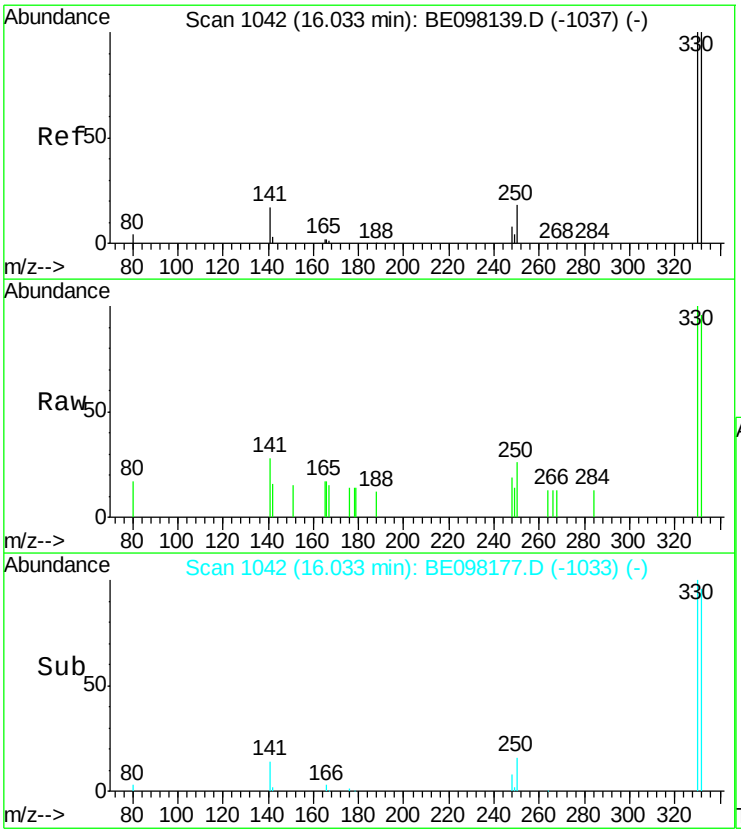
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.01 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 3242

Ion	Ratio	Lower	Upper
164	100		
162	101.9	77.4	116.2
160	50.5	36.5	54.7

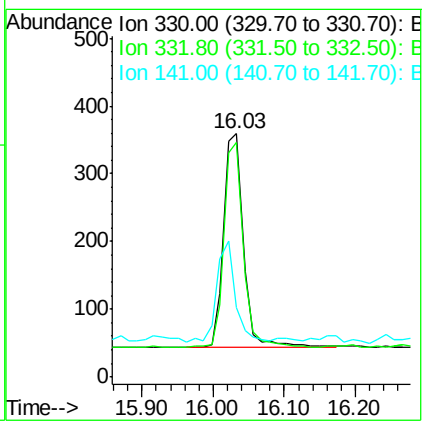


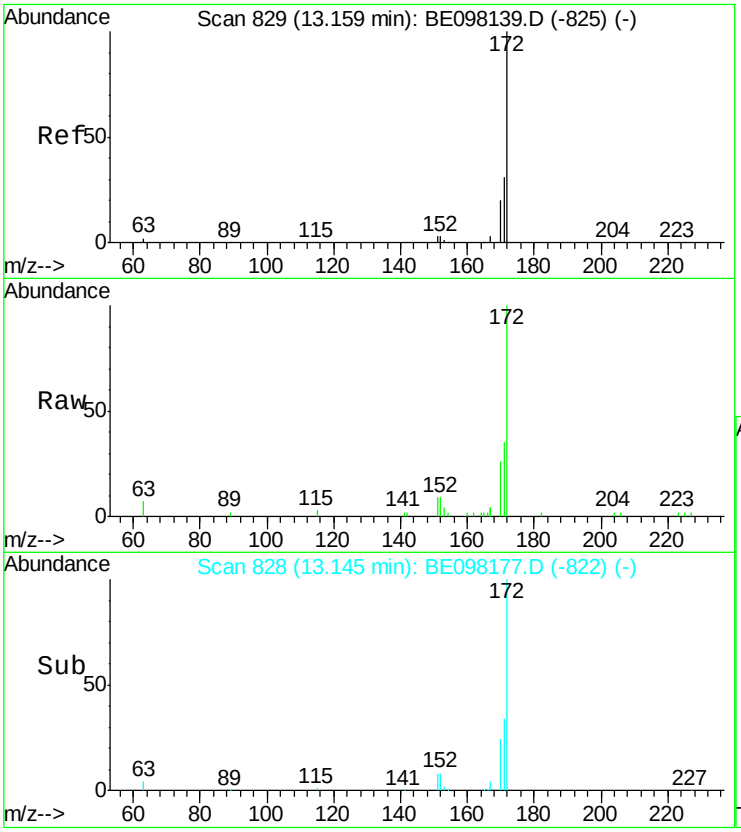


#14
2,4,6-Tribromophenol
Concen: 0.406 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion:330 Resp: 624

Ion	Ratio	Lower	Upper
330	100		
332	92.9	76.5	114.7
141	42.6	31.8	47.6



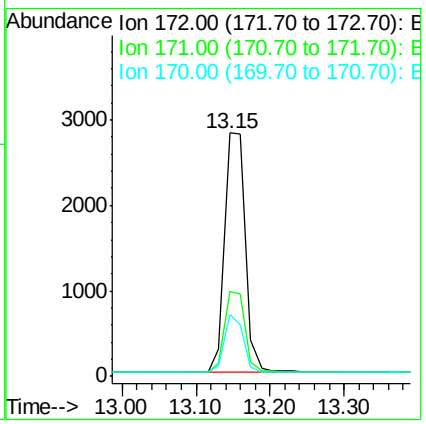


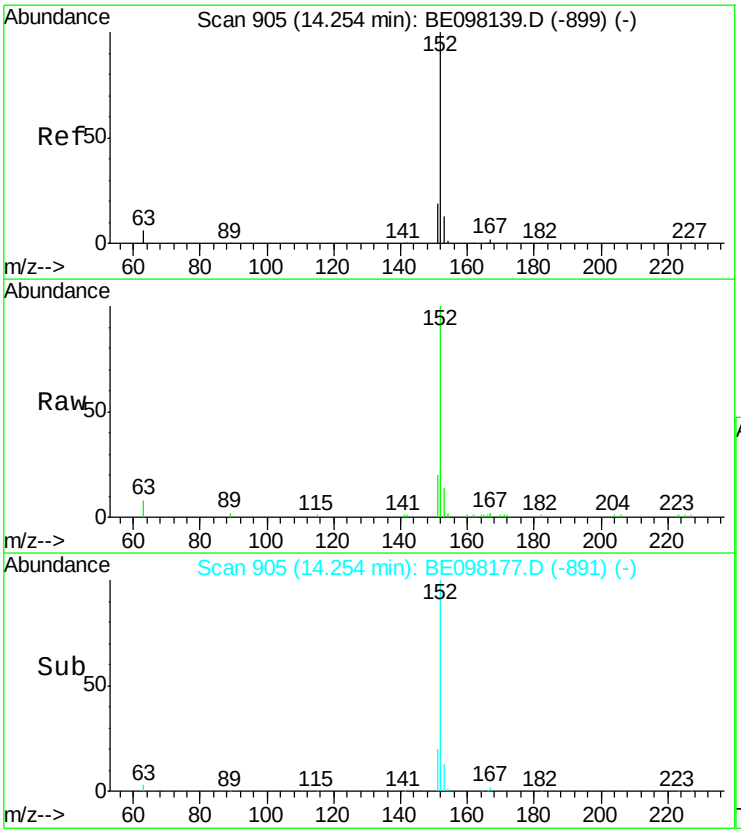
#15
2-Fluorobiphenyl
Concen: 0.414 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.01 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 5521

Ion	Ratio	Lower	Upper
172	100		
171	35.1	26.0	39.0
170	25.6	18.0	27.0

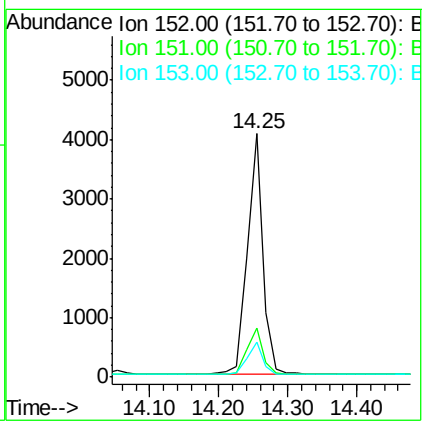


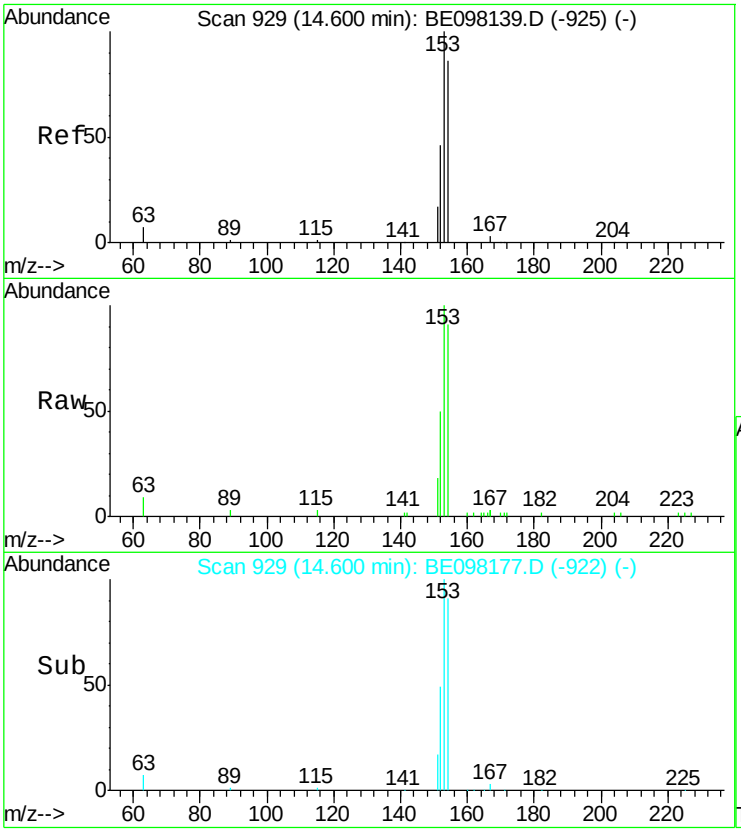


#16
Acenaphthylene
Concen: 0.433 ng
RT: 14.25 min Scan# 905
Delta R.T. 0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion:152 Resp: 6398

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.1	24.1
153	13.0	10.9	16.3



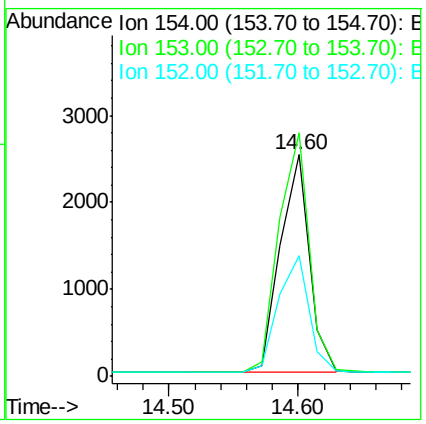


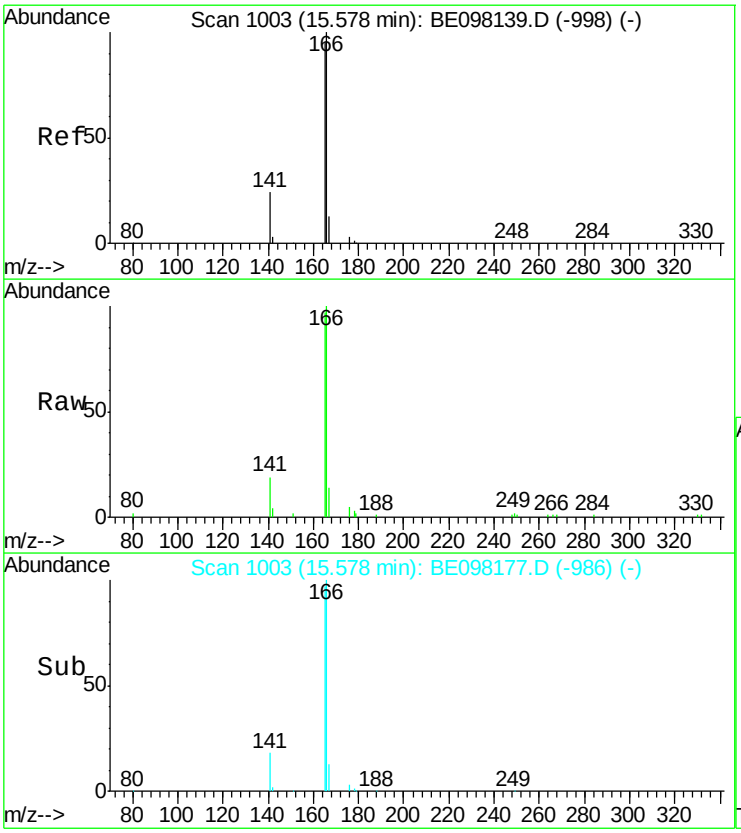
#17
Acenaphthene
Concen: 0.443 ng
RT: 14.60 min Scan# 929
Delta R.T. 0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 3934

Ion	Ratio	Lower	Upper
154	100		
153	113.3	92.6	139.0
152	56.1	45.5	68.3

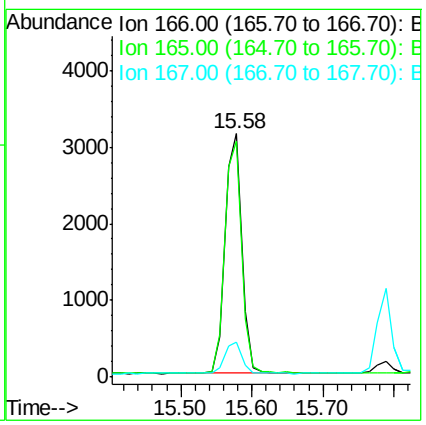


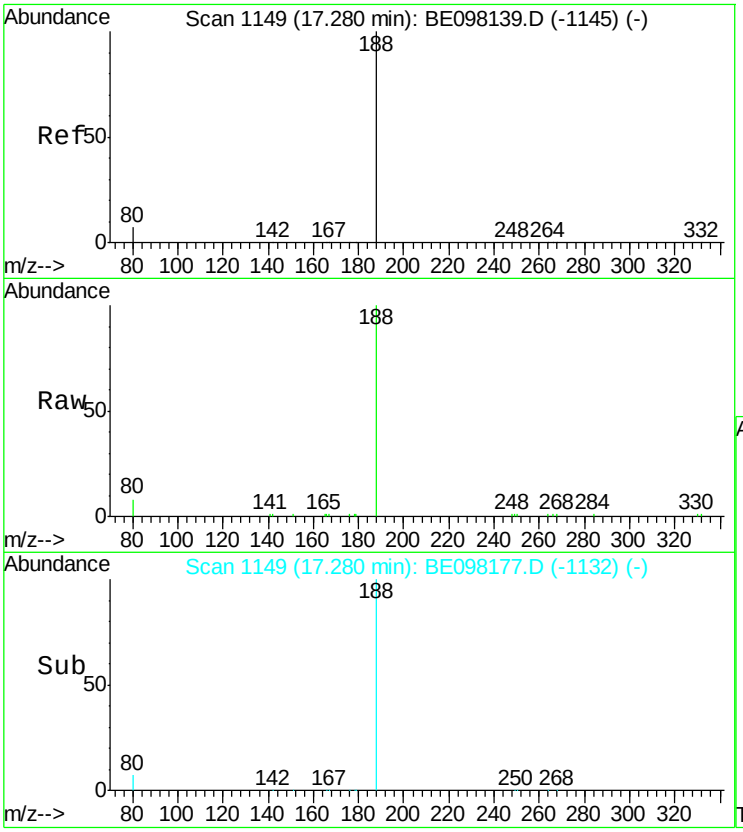


#18
Fluorene
Concen: 0.443 ng
RT: 15.58 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion:166 Resp: 5097

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.2	117.4
167	13.3	11.0	16.6



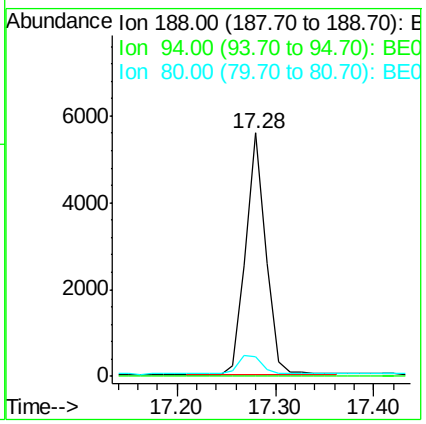


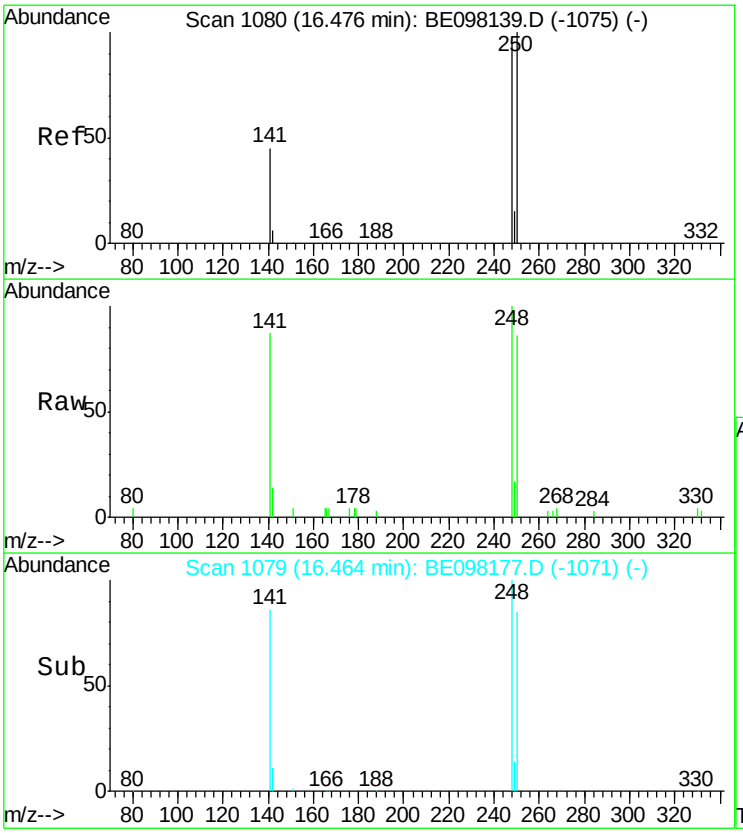
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.28 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 7899

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	6.3	9.5

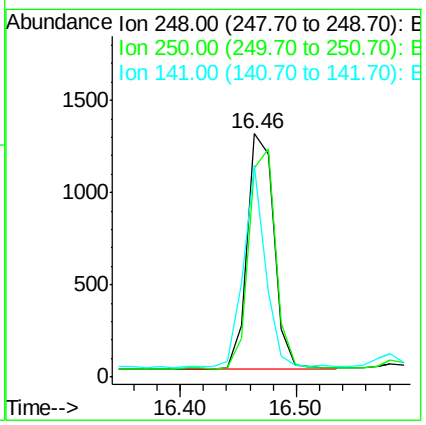


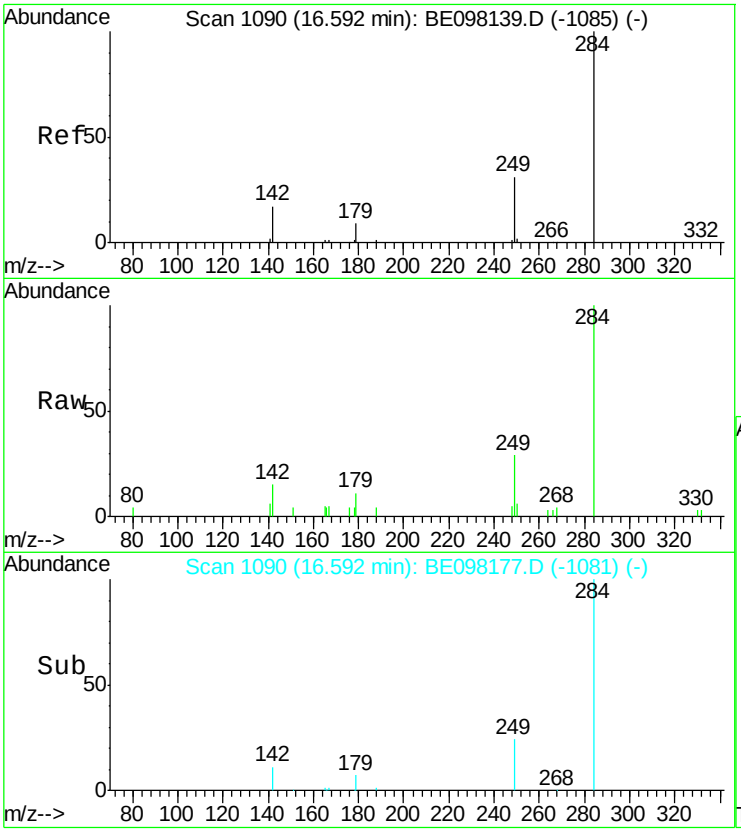


#20
4-Bromophenyl-phenylether
Concen: 0.425 ng
RT: 16.46 min Scan# 1079
Delta R.T. -0.01 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion:248 Resp: 2047

Ion	Ratio	Lower	Upper
248	100		
250	85.9	75.1	112.7
141	86.8	51.8	77.8#



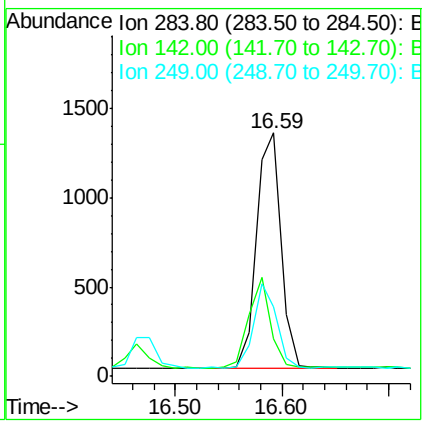


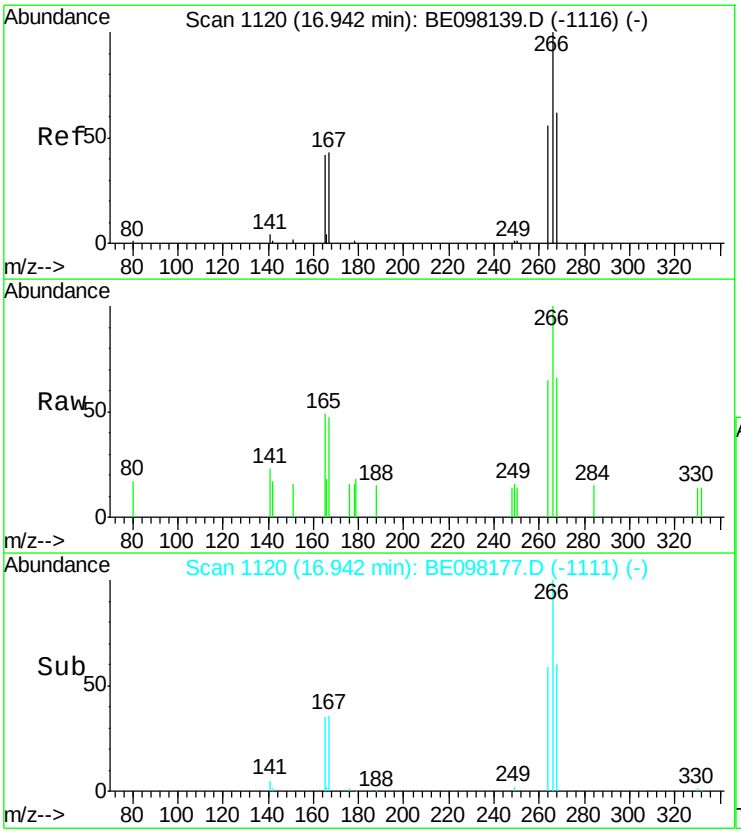
#21
Hexachlorobenzene
Concen: 0.419 ng
RT: 16.59 min Scan# 1090
Delta R.T. -0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 2111

Ion	Ratio	Lower	Upper
284	100		
142	34.4	25.9	38.9
249	33.5	26.6	40.0

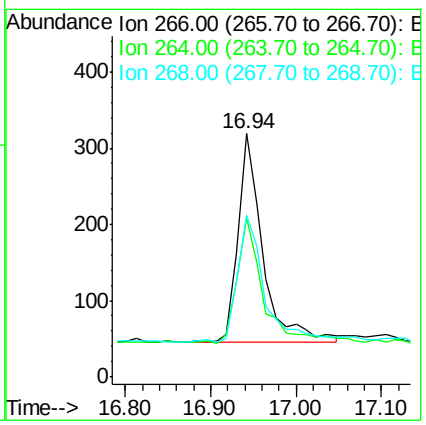


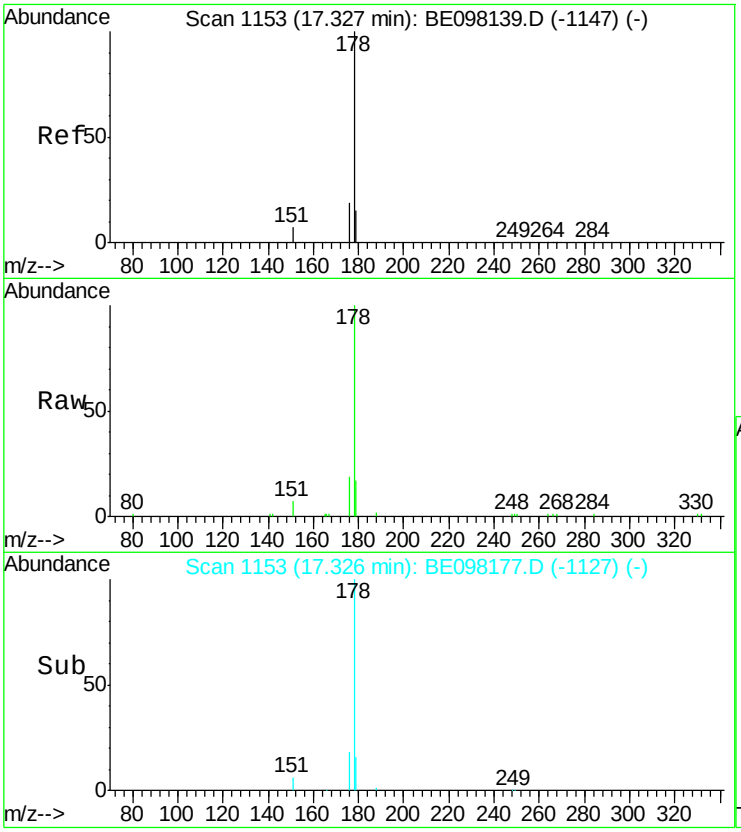


#22
Pentachlorophenol
Concen: 0.499 ng
RT: 16.94 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion:266 Resp: 543

Ion	Ratio	Lower	Upper
266	100		
264	65.2	51.3	76.9
268	66.5	50.1	75.1



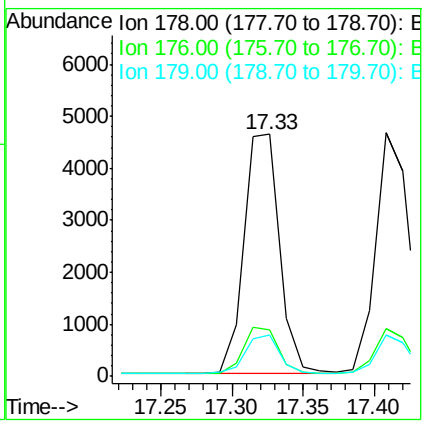


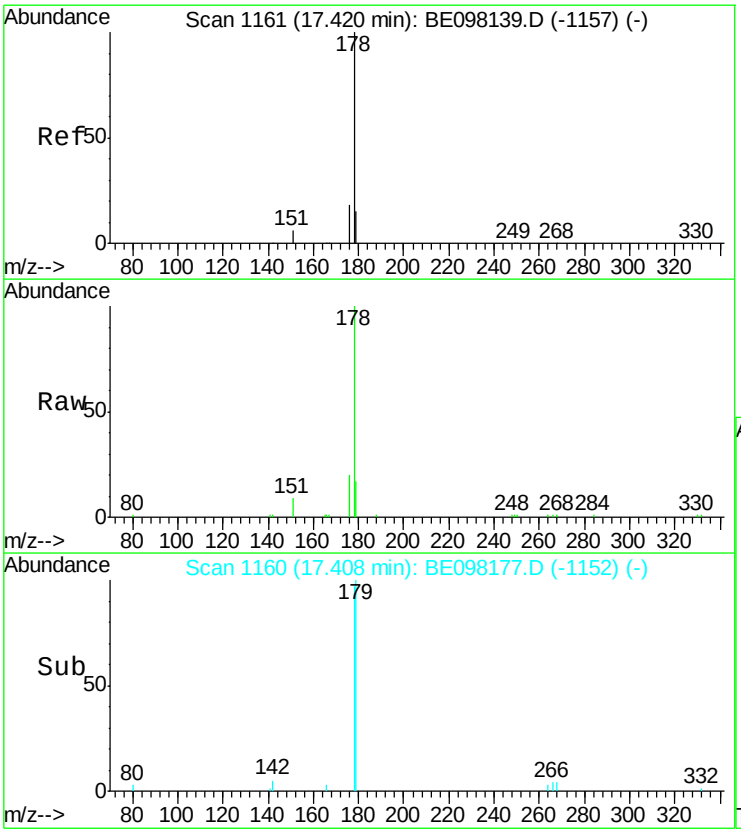
#23
Phenanthrene
Concen: 0.408 ng
RT: 17.33 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 7988

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.3	12.2	18.4

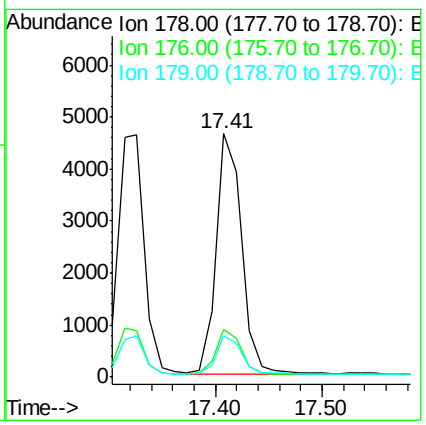


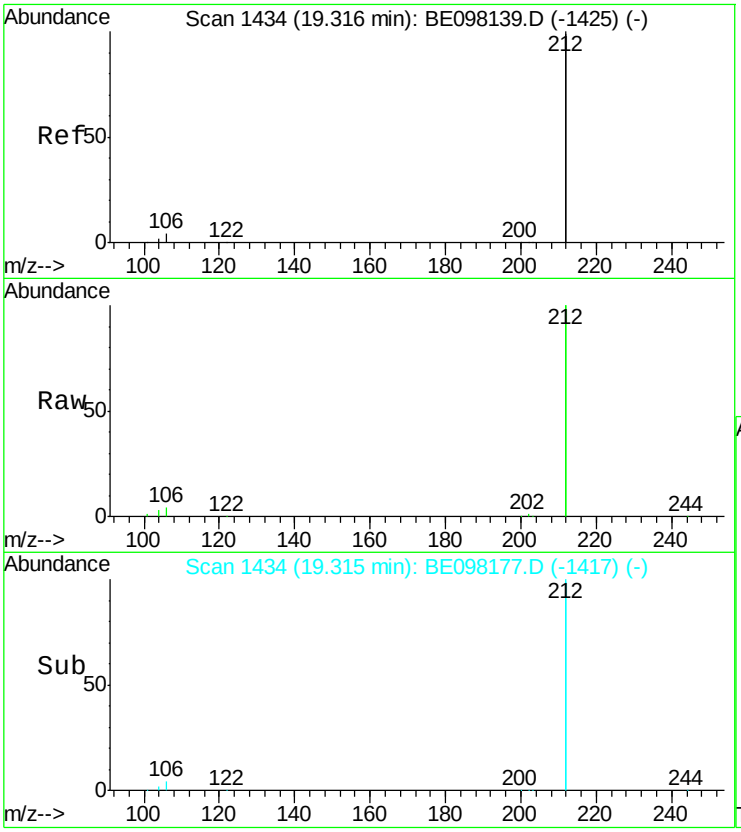


#24
Anthracene
Concen: 0.409 ng
RT: 17.41 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion:178 Resp: 7609

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.6	11.9	17.9



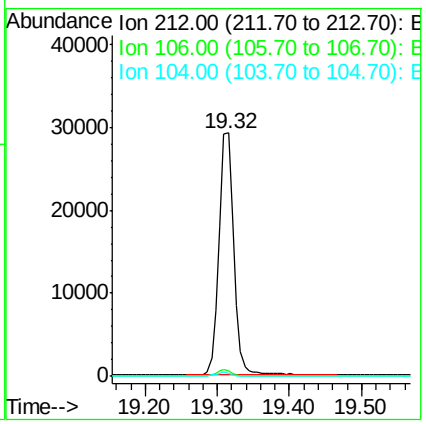


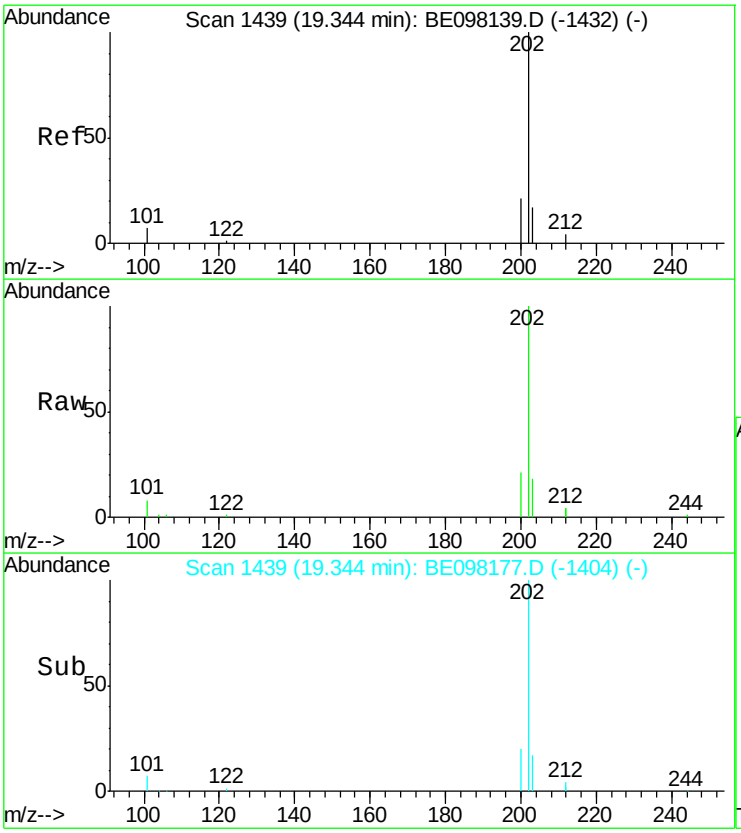
#25
Fluoranthene-d10
Concen: 0.406 ng
RT: 19.32 min Scan# 1434
Delta R.T. -0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 41318

Ion	Ratio	Lower	Upper
212	100		
106	2.3	2.3	3.5#
104	1.4	1.3	1.9

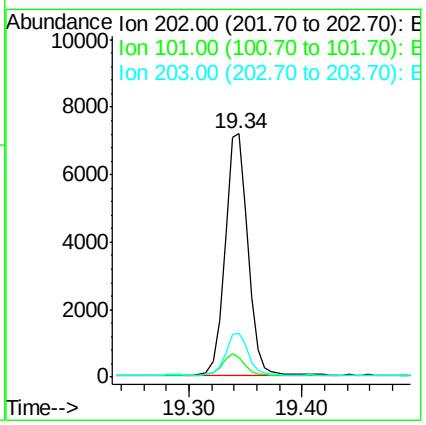


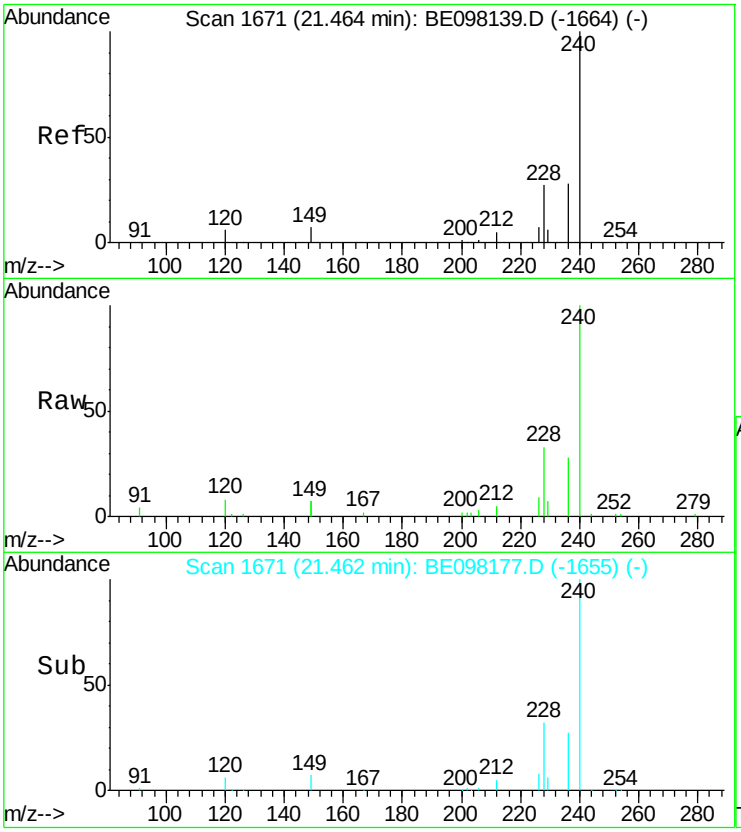


#26
Fluoranthene
Concen: 0.409 ng
RT: 19.34 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion:202 Resp: 10031

Ion	Ratio	Lower	Upper
202	100		
101	8.6	8.2	12.2
203	16.9	15.0	22.4



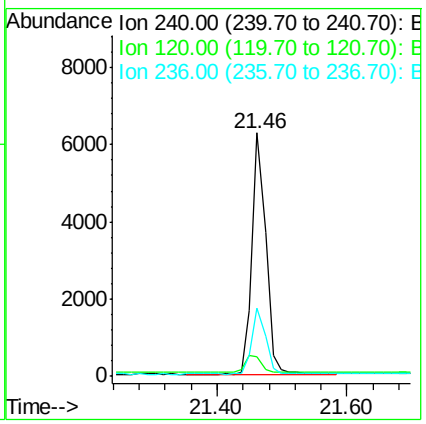


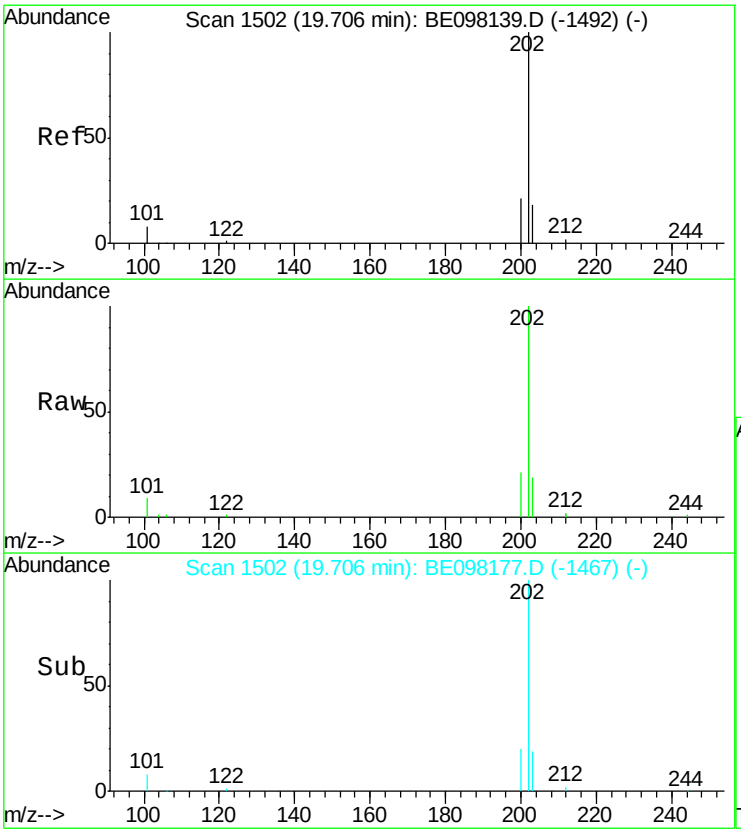
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 9014

Ion	Ratio	Lower	Upper
240	100		
120	8.1	7.1	10.7
236	27.8	21.3	31.9

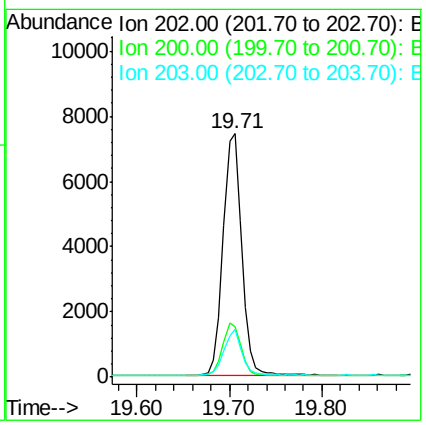


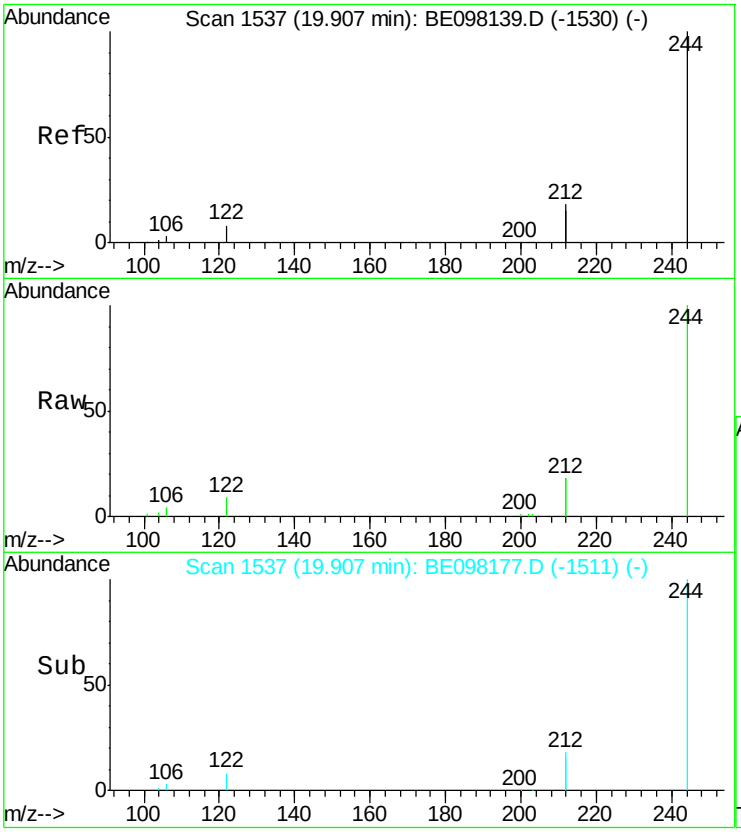


#28
Pyrene
Concen: 0.419 ng
RT: 19.71 min Scan# 1502
Delta R.T. -0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion:202 Resp: 10314

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	17.8	14.2	21.4



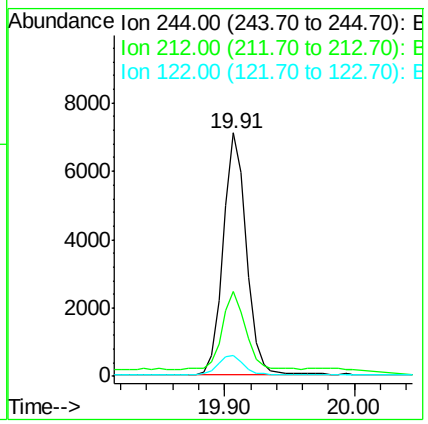


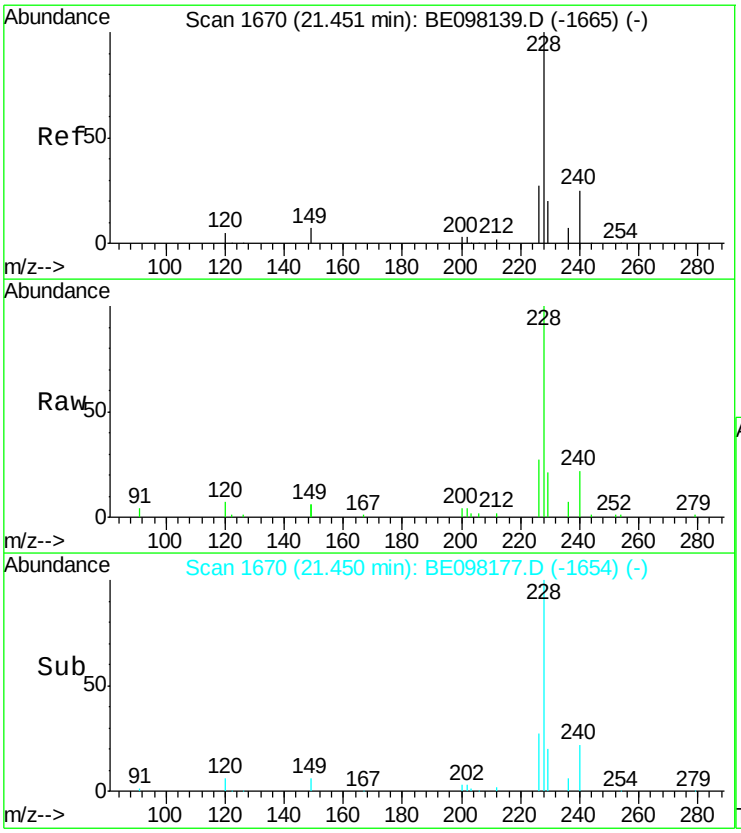
#29
Terphenyl-d14
Concen: 0.417 ng
RT: 19.91 min Scan# 1537
Delta R.T. -0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 8733

Ion	Ratio	Lower	Upper
244	100		
212	35.0	26.2	39.2
122	8.8	7.7	11.5

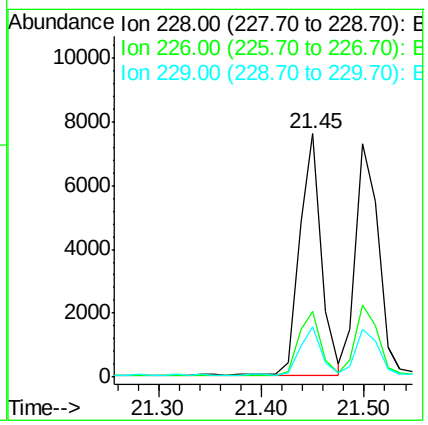


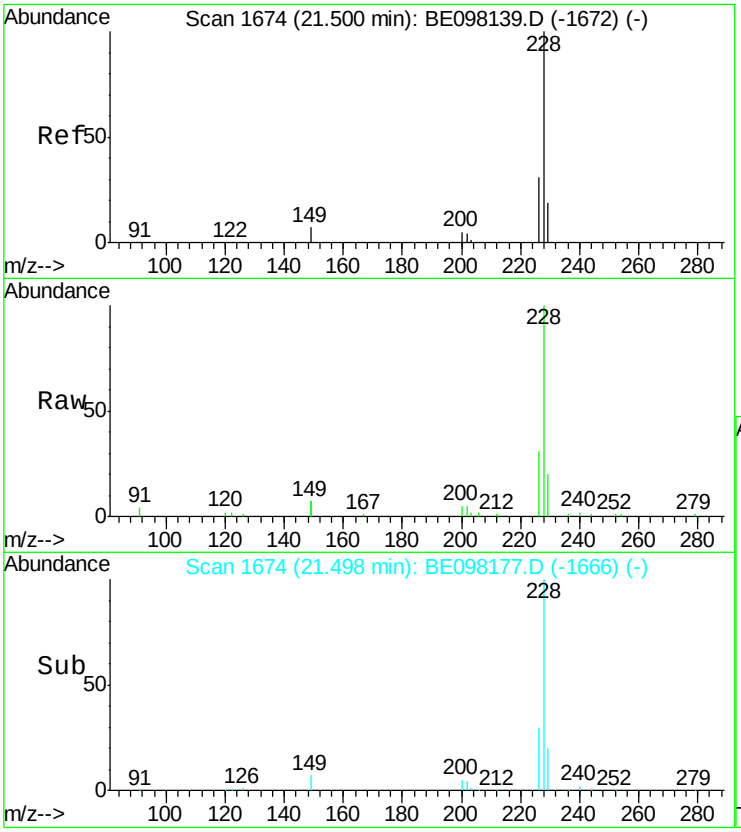


#30
Benzo(a)anthracene
Concen: 0.417 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion:228 Resp: 10986

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	33.8
229	20.6	16.9	25.3



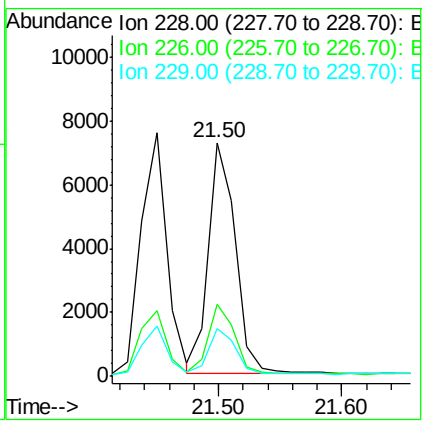


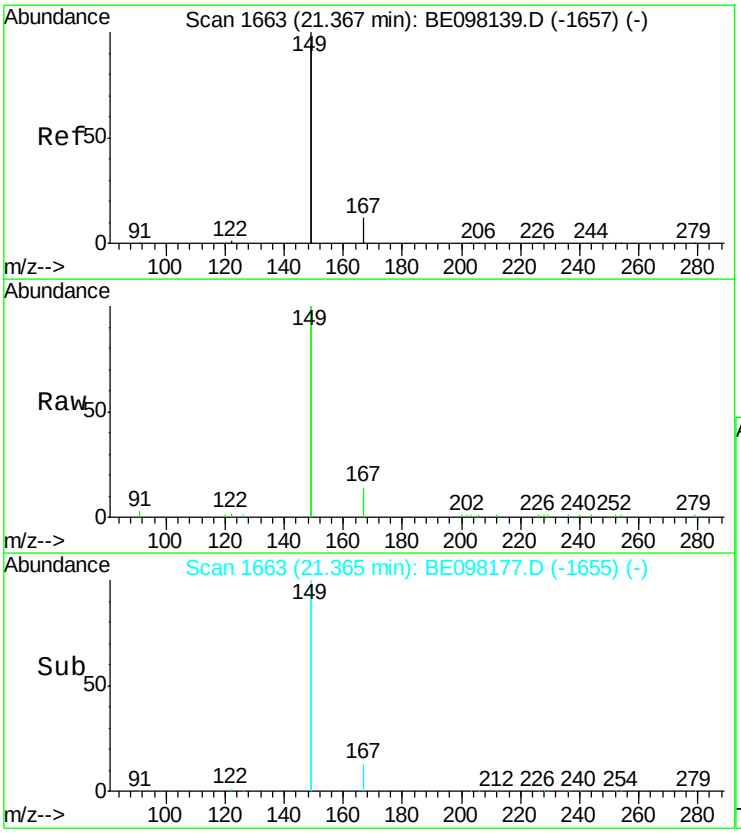
#31
Chrysene
Concen: 0.421 ng
RT: 21.50 min Scan# 1674
Delta R.T. -0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 10973

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.3	36.5
229	20.3	17.3	25.9

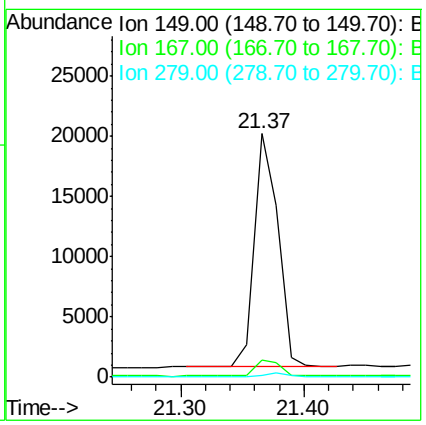


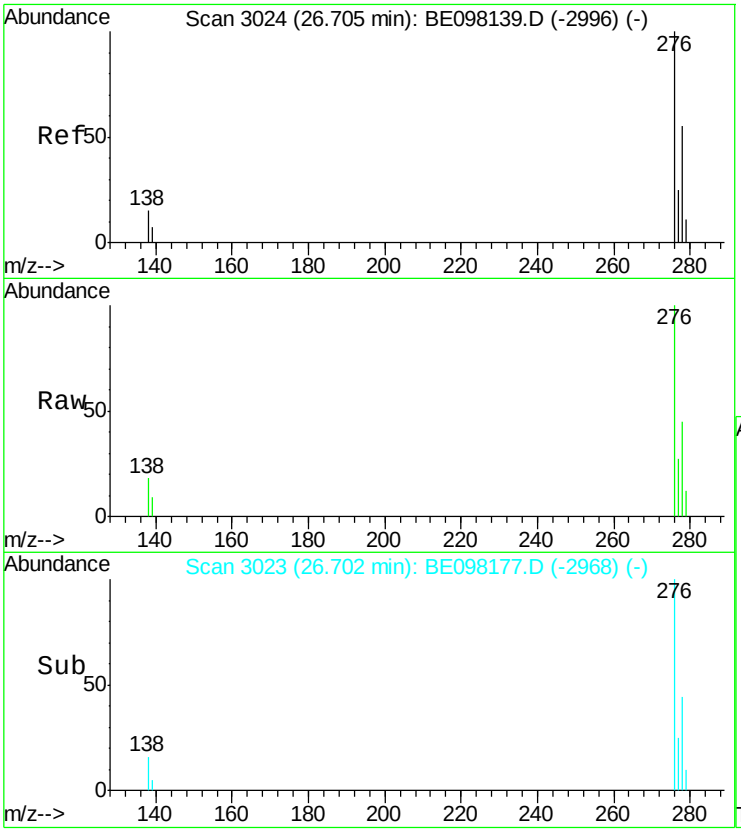


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.294 ng
RT: 21.37 min Scan# 1663
Delta R.T. -0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion:149 Resp: 25915

Ion	Ratio	Lower	Upper
149	100		
167	7.5	5.6	8.4
279	1.2	0.9	1.3



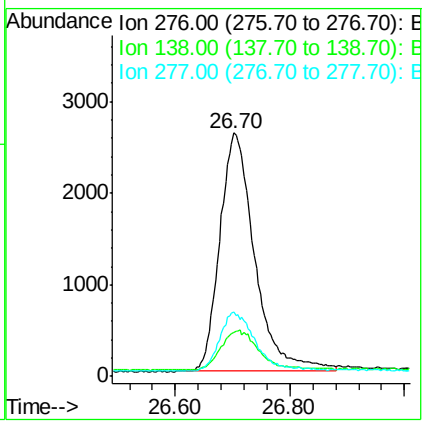


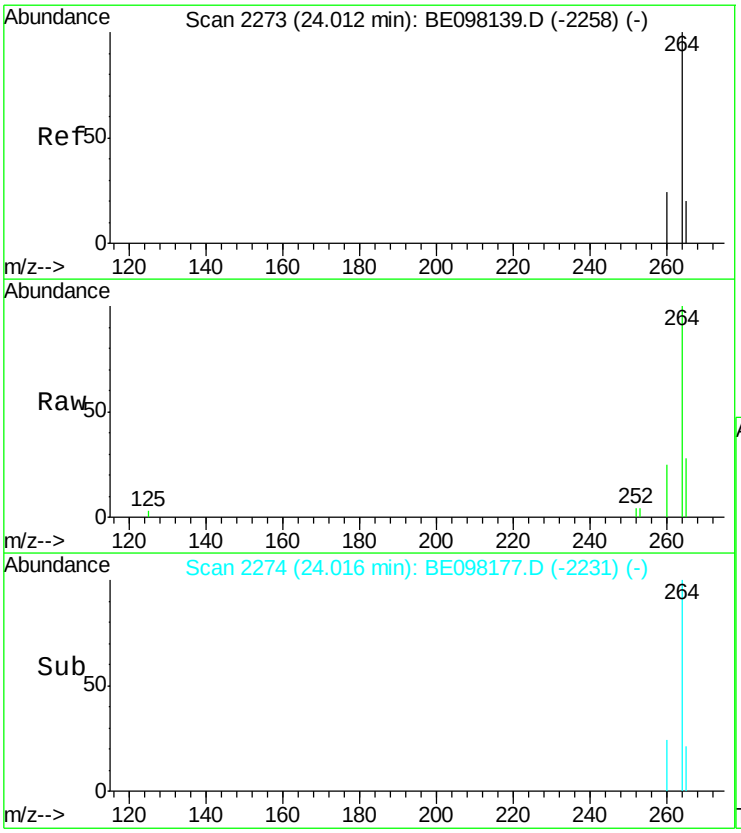
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.407 ng
RT: 26.70 min Scan# 3023
Delta R.T. -0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 11035

Ion	Ratio	Lower	Upper
276	100		
138	16.8	17.0	25.6#
277	24.5	20.5	30.7

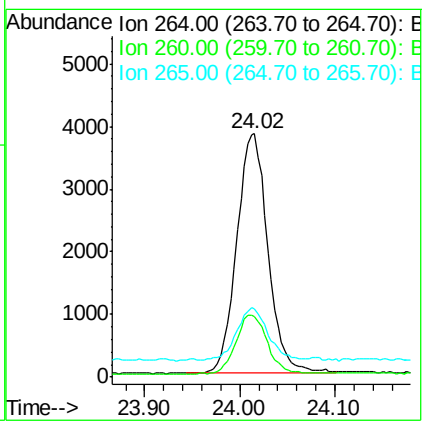


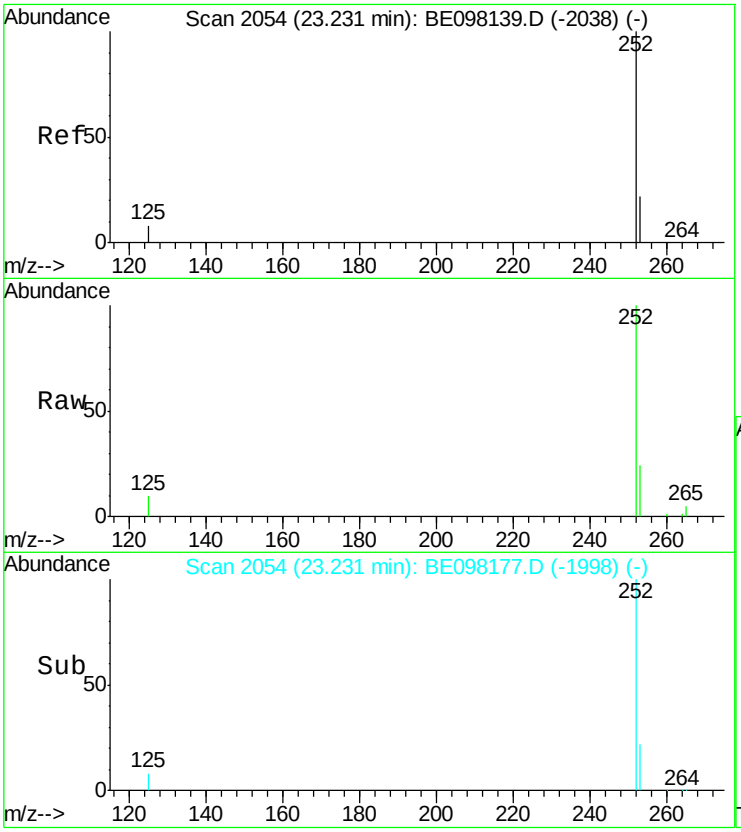


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.02 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion:264 Resp: 8741

Ion	Ratio	Lower	Upper
264	100		
260	24.7	21.1	31.7
265	28.2	29.2	43.8#



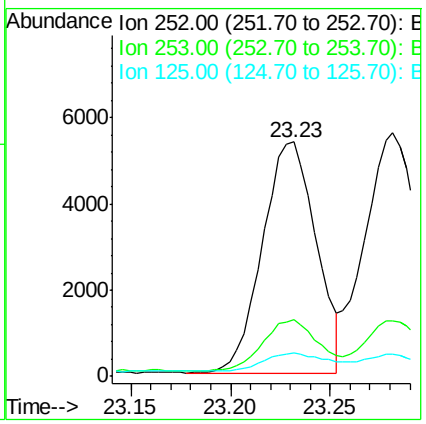


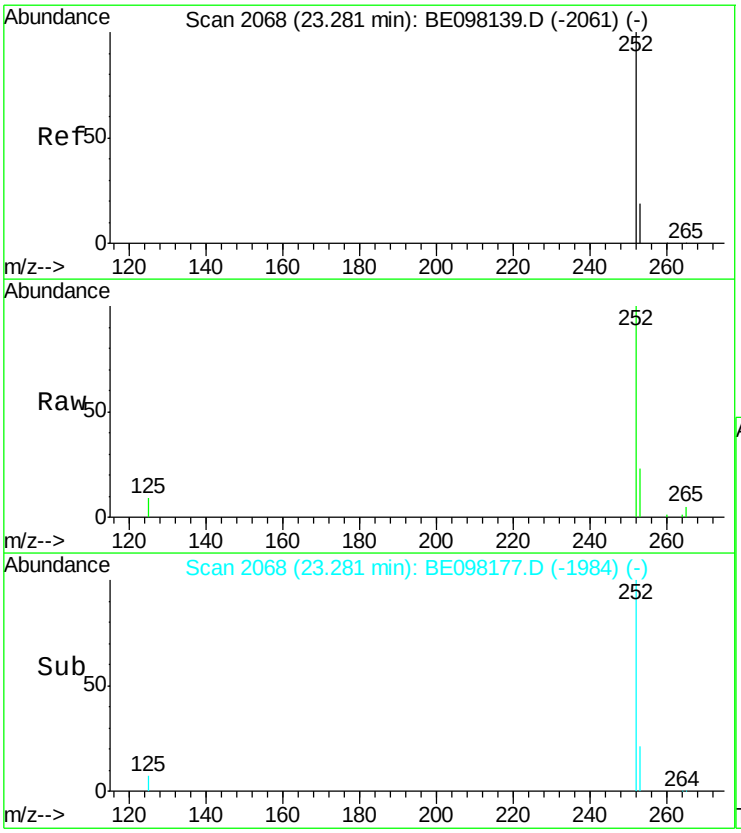
#35
Benzo(b)fluoranthene
Concen: 0.406 ng
RT: 23.23 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 9983

Ion	Ratio	Lower	Upper
252	100		
253	24.0	20.6	31.0
125	9.8	14.3	21.5#

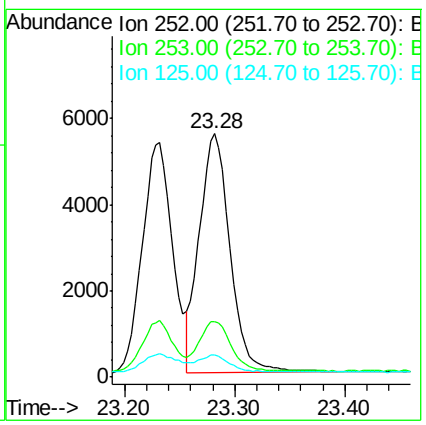


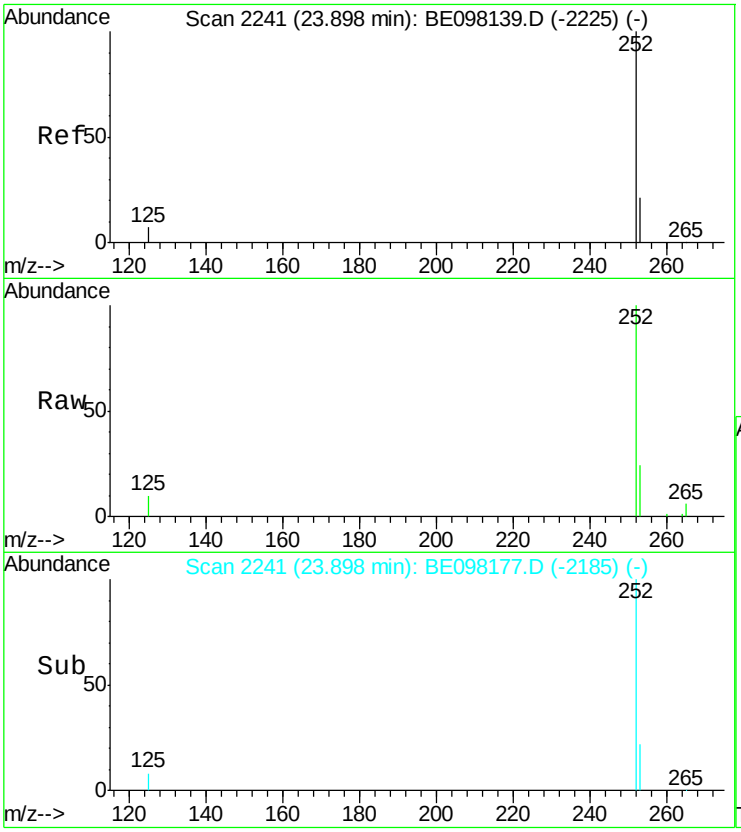


#36
Benzo(k)fluoranthene
Concen: 0.421 ng
RT: 23.28 min Scan# 2068
Delta R.T. 0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion:252 Resp: 10718

Ion	Ratio	Lower	Upper
252	100		
253	22.6	20.4	30.6
125	9.3	14.6	21.8#



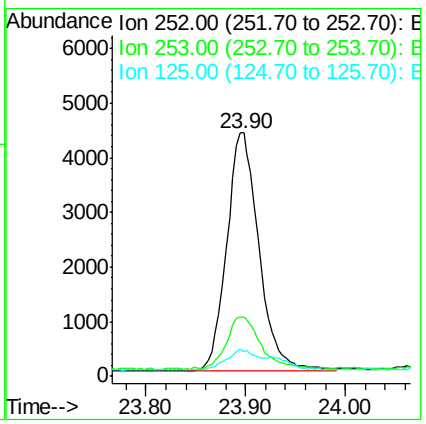


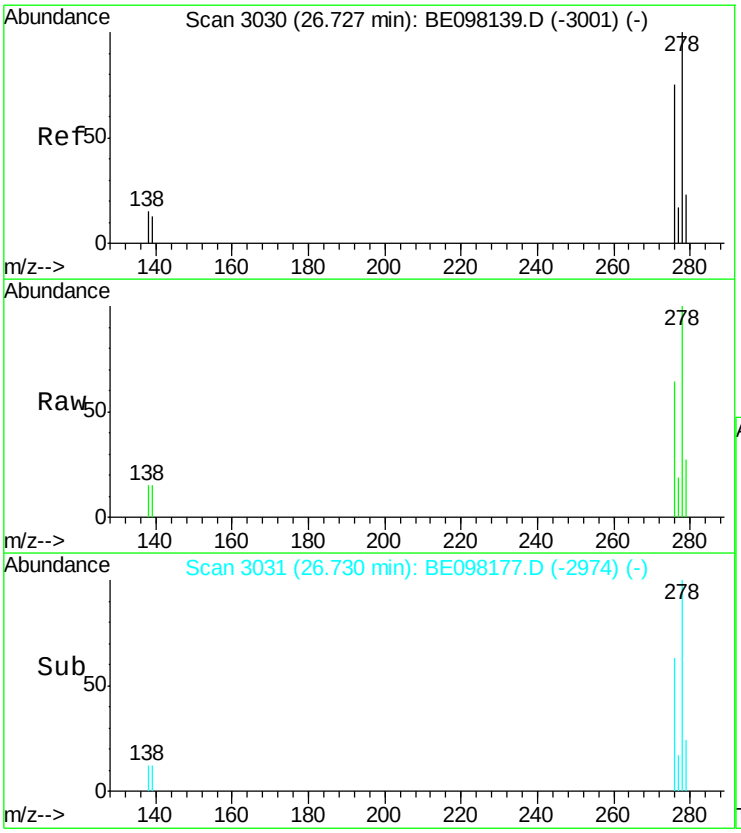
#37
Benzo(a)pyrene
Concen: 0.409 ng
RT: 23.90 min Scan# 2241
Delta R.T. 0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 9846

Ion	Ratio	Lower	Upper
252	100		
253	24.3	20.6	31.0
125	10.2	15.6	23.4#

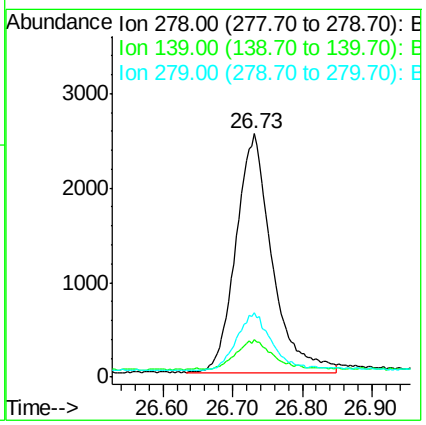


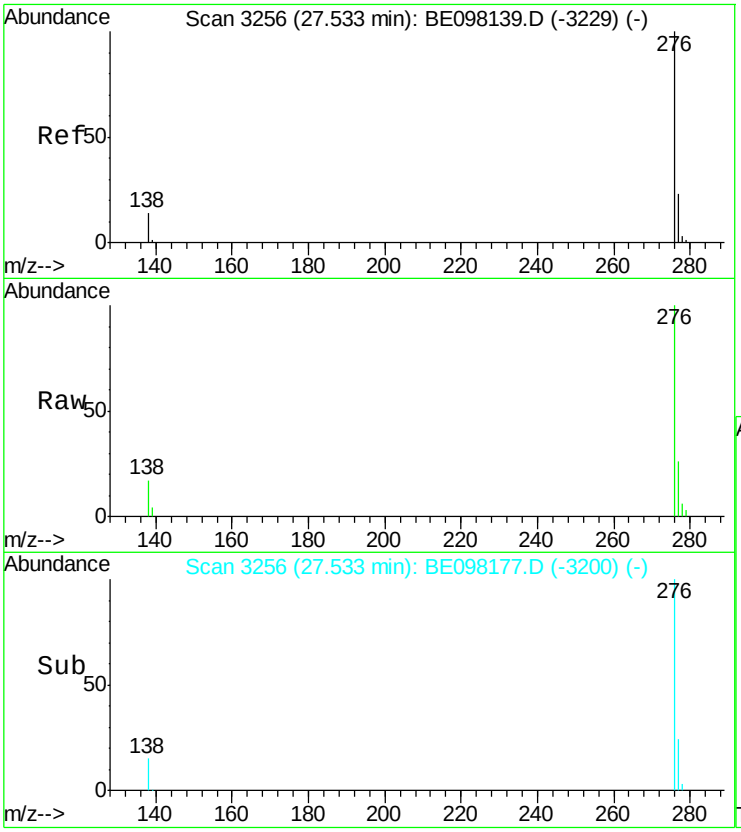


#38
Dibenzo(a,h)anthracene
Concen: 0.404 ng
RT: 26.73 min Scan# 3031
Delta R.T. 0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Tgt Ion:278 Resp: 9059

Ion	Ratio	Lower	Upper
278	100		
139	15.3	16.3	24.5#
279	26.6	21.4	32.2





#39
Benzo(g,h,i)perylene
Concen: 0.404 ng
RT: 27.53 min Scan# 3256
Delta R.T. 0.00 min
Lab File: BE098177.D
Acq: 7 Nov 2018 17:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 9034

Ion	Ratio	Lower	Upper
276	100		
277	26.5	22.1	33.1
138	17.1	19.3	28.9#