Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE051419\
Data File : BE099608.D
Acq On : 14 May 2019 17:05
Operator : JU/SJ
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC0.8

Quant Time: May 14 19:11:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 19:05:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1537	0.40	ng		0.00
7) Naphthalene-d8	10.61	136	5387	0.40	ng		0.00
13) Acenaphthene-d10	14.49	164	3583	0.40	ng		0.00
19) Phenanthrene-d10	17.23	188	10242	0.40	ng		0.00
27) Chrysene-d12	21.41	240	15589	0.40	ng		0.00
34) Perylene-d12	23.96	264	17585	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.38	112	3626	0.86	ng		0.00
5) Phenol-d6	6.98	99	4566	0.83	ng		0.00
8) Nitrobenzene-d5	8.98	82	4349	0.86	ng		0.00
11) 2-Methylnaphthalene-d10	12.22	152	7682	0.85	ng		0.00
14) 2,4,6-Tribromophenol	15.98	330	2006	0.94	ng		0.00
15) 2-Fluorobiphenyl	13.10	172	11772	0.85	ng		0.00
25) Fluoranthene-d10	19.26	212	112903	0.84	ng		0.00
29) Terphenyl-d14	19.86	244	23211	0.84	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	1739	0.803	ng	#	89
3) n-Nitrosodimethylamine	3.63	42	1168	0.871	ng	#	99
6) bis(2-Chloroethyl)ether	7.23	93	3924	0.855	ng		92
9) Naphthalene	10.67	128	47990	0.836	ng		99
10) Hexachlorobutadiene	10.94	225	3506	0.846	ng		99
12) 2-Methylnaphthalene	12.30	142	7889	0.841	ng		99
16) Acenaphthylene	14.21	152	14160	0.816	ng		99
17) Acenaphthene	14.54	154	8130	0.839	ng		99
18) Fluorene	15.53	166	11670	0.844	ng		99
20) 4-Bromophenyl-phenylether	16.42	248	4969	0.850	ng		99
21) Hexachlorobenzene	16.53	284	4777	0.814	ng		97
22) Pentachlorophenol	16.89	266	1676	0.715	ng		91
23) Phenanthrene	17.27	178	21196	0.834	ng		99
24) Anthracene	17.36	178	19560	0.819	ng		99
26) Fluoranthene	19.30	202	31898	0.834	ng		99
28) Pyrene	19.66	202	32924	0.801	ng		100
30) Benzo(a)anthracene	21.40	228	39366	0.827	ng		99
31) Chrysene	21.45	228	40427	0.850	ng		97
32) Bis(2-ethylhexyl)phthalate	21.32	149	55803	0.816	ng		100
33) Indeno(1,2,3-cd)pyrene	26.65	276	49978	0.842	ng		99
35) Benzo(b)fluoranthene	23.18	252	40159	0.827	ng	#	96
36) Benzo(k)fluoranthene	23.23	252	40581	0.840	ng		97
37) Benzo(a)pyrene	23.85	252	39146	0.832	ng	#	95
38) Dibenzo(a,h)anthracene	26.68	278	40982	0.833	ng		99
39) Benzo(g,h,i)perylene	27.48	276	41089	0.825	ng		99

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

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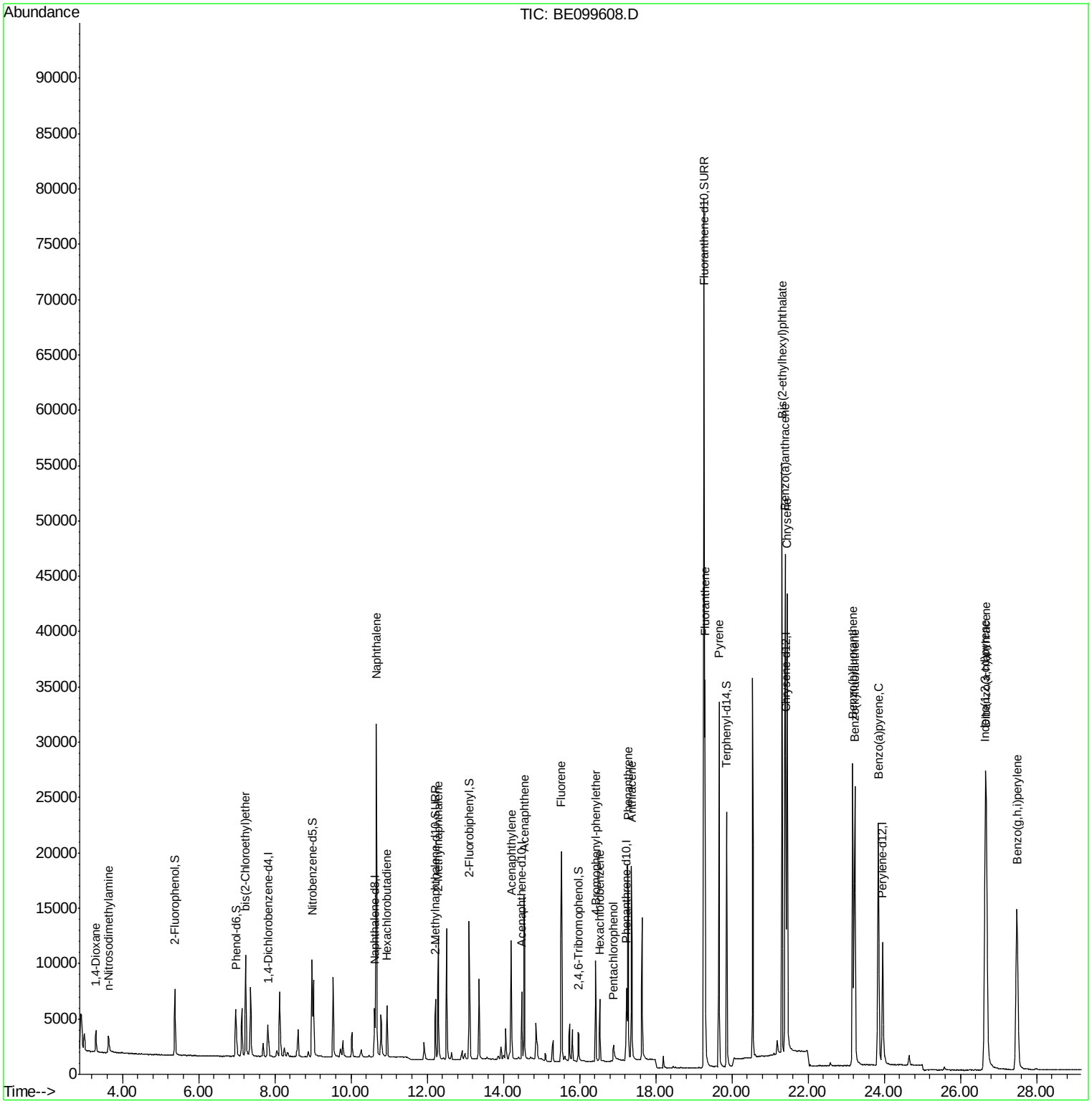
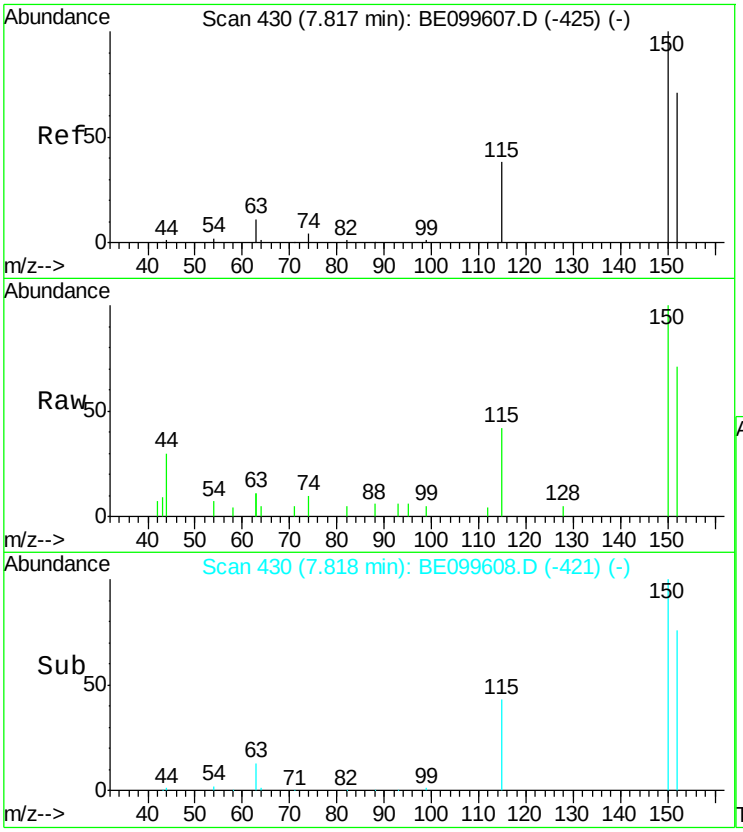
Data File : BE099608.D
Acq On : 14 May 2019 17:05
Operator : JU/SJ
Sample : SSTDICC0.8
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Quant Time: May 14 19:11:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 14 19:05:18 2019
Response via : Initial Calibration



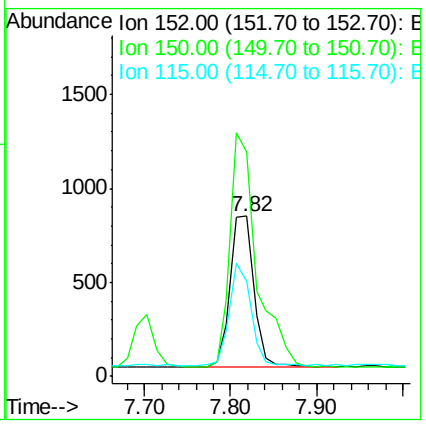


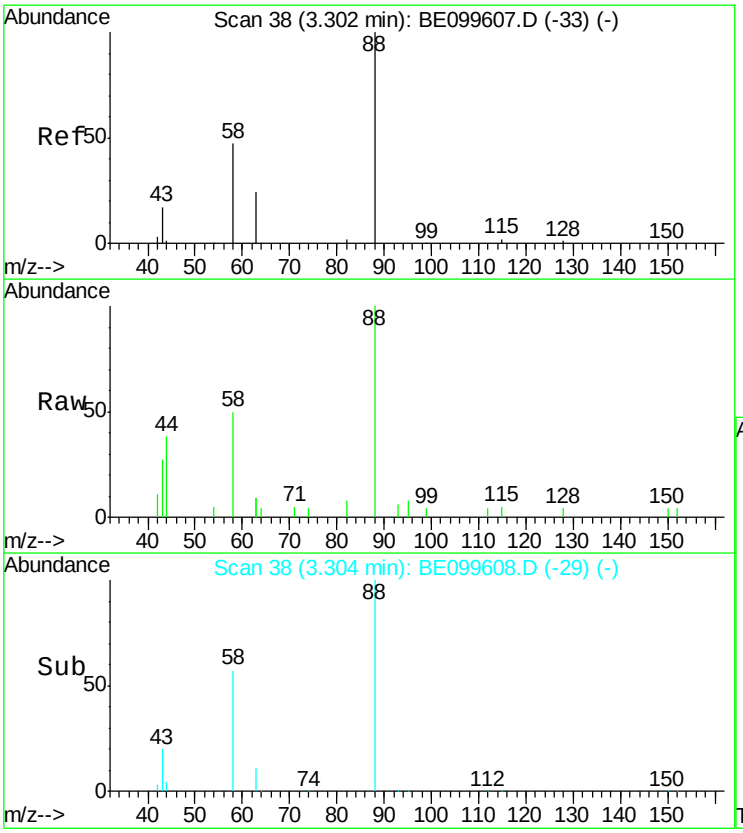
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 1537

Ion	Ratio	Lower	Upper
152	100		
150	140.1	110.1	165.1
115	59.5	46.2	69.4

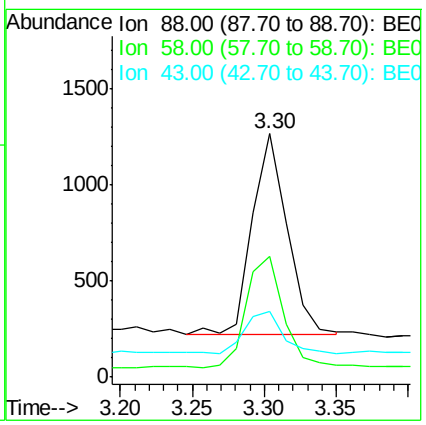


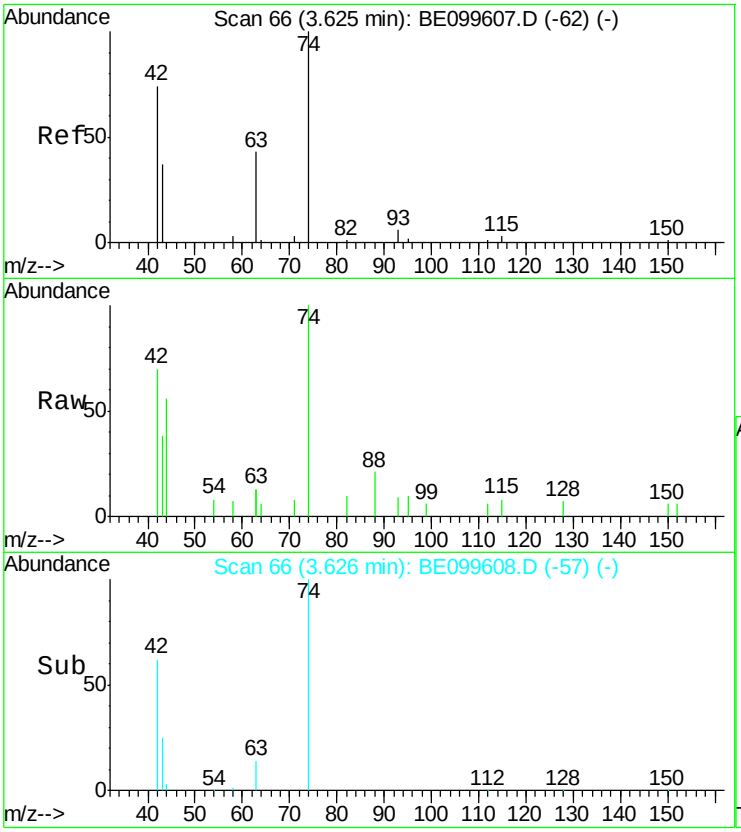


#2
1,4-Dioxane
Concen: 0.803 ng
RT: 3.30 min Scan# 38
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion: 88 Resp: 1739

Ion	Ratio	Lower	Upper
88	100		
58	59.7	39.8	59.6#
43	23.6	21.0	31.6



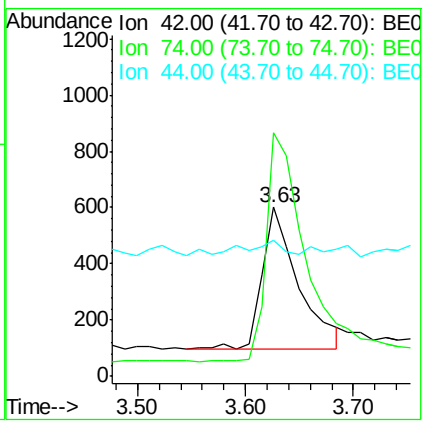


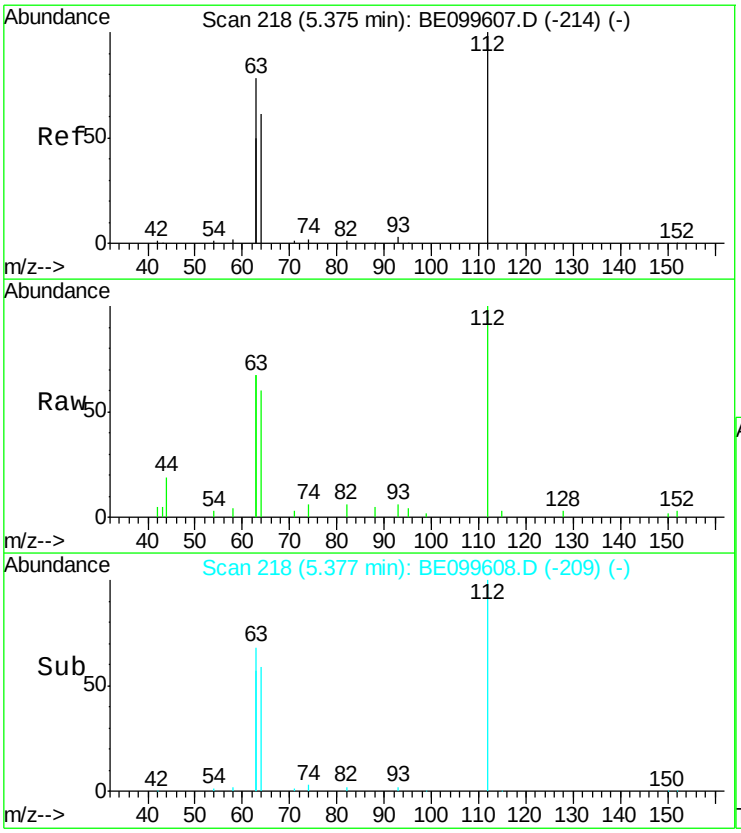
#3
n-Nitrosodimethylamine
Concen: 0.871 ng
RT: 3.63 min Scan# 66
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion: 42 Resp: 1168

Ion	Ratio	Lower	Upper
42	100		
74	169.3	134.7	202.1
44	11.0	12.5	18.7#

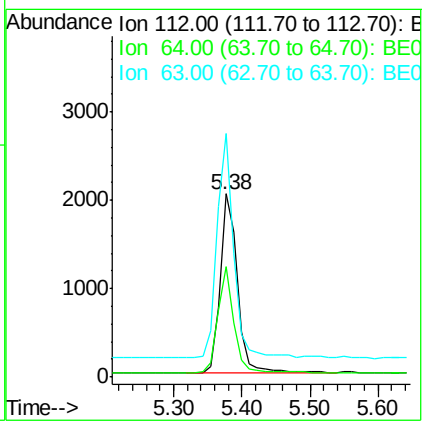


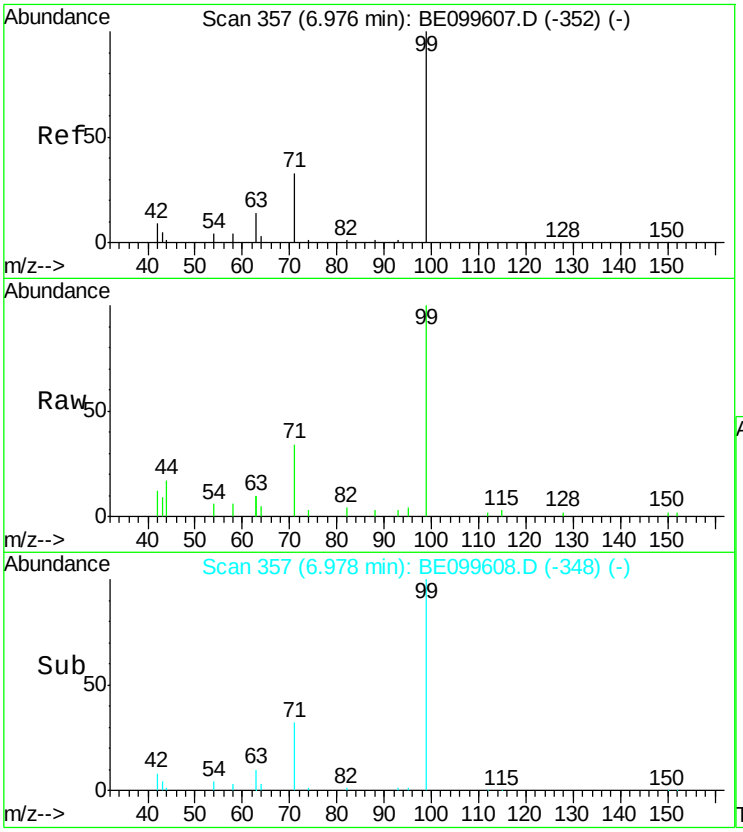


#4
2-Fluorophenol
Concen: 0.862 ng
RT: 5.38 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion:112 Resp: 3626

Ion	Ratio	Lower	Upper
112	100		
64	55.9	43.7	65.5
63	120.7	94.0	141.0



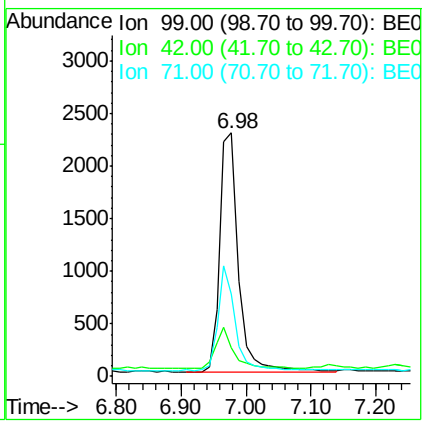


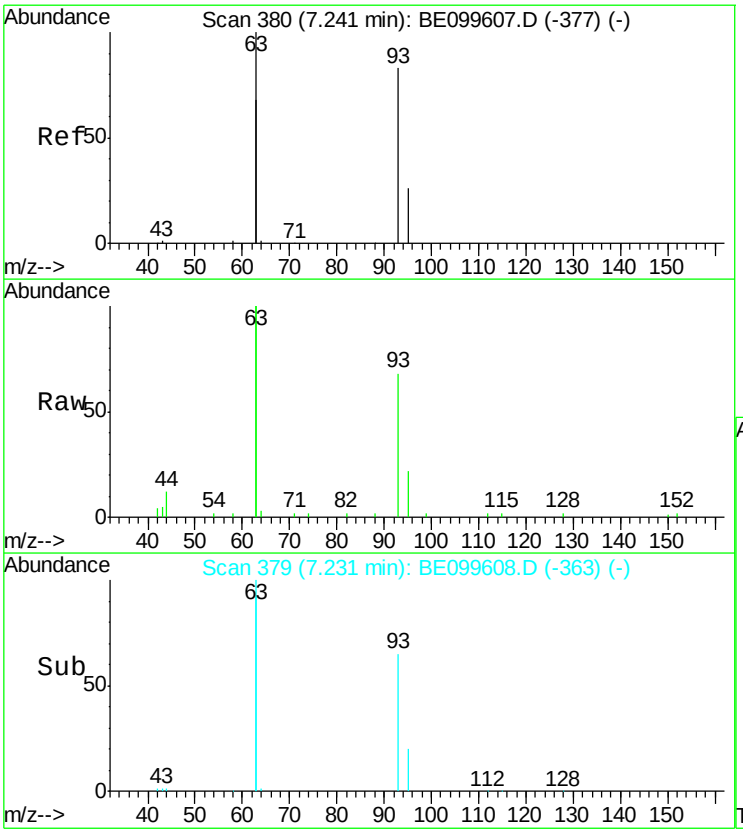
#5
Phenol-d6
Concen: 0.827 ng
RT: 6.98 min Scan# 357
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion: 99 Resp: 4566

Ion	Ratio	Lower	Upper
99	100		
42	15.8	14.3	21.5
71	40.9	33.1	49.7

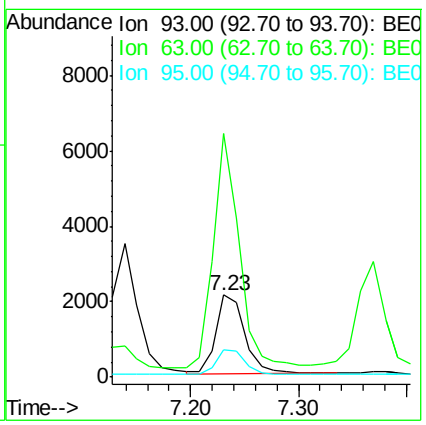


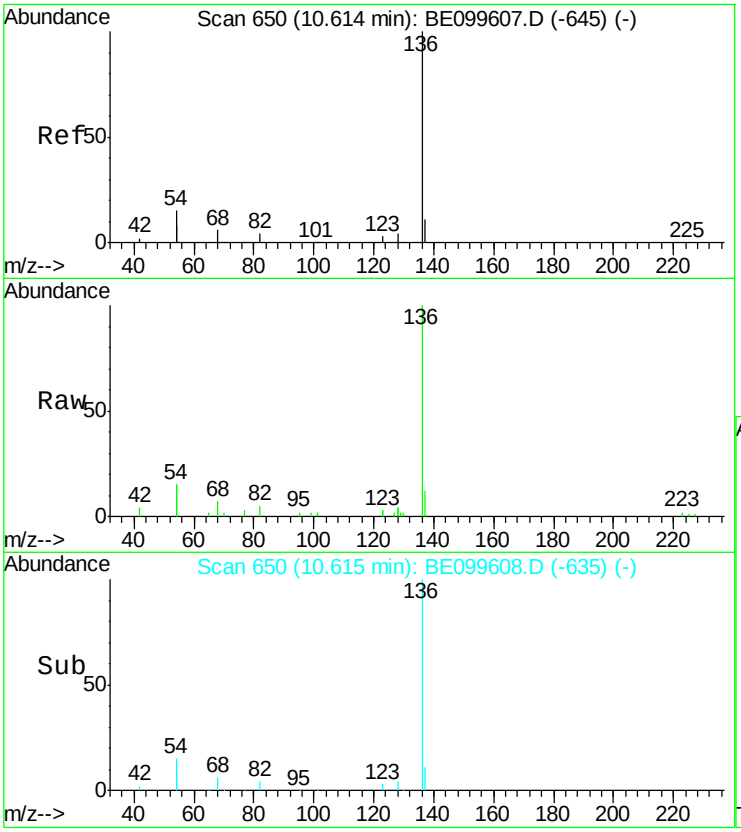


#6
bis(2-Chloroethyl)ether
Concen: 0.855 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion: 93 Resp: 3924

Ion	Ratio	Lower	Upper
93	100		
63	266.5	201.0	301.4
95	32.0	25.0	37.4



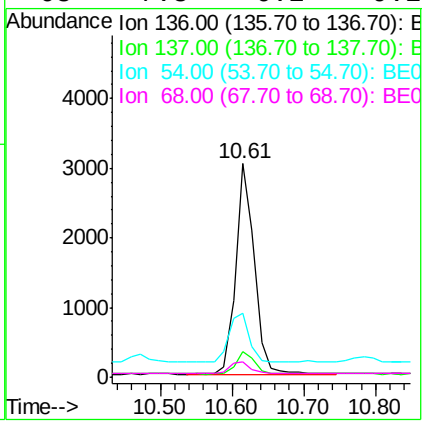


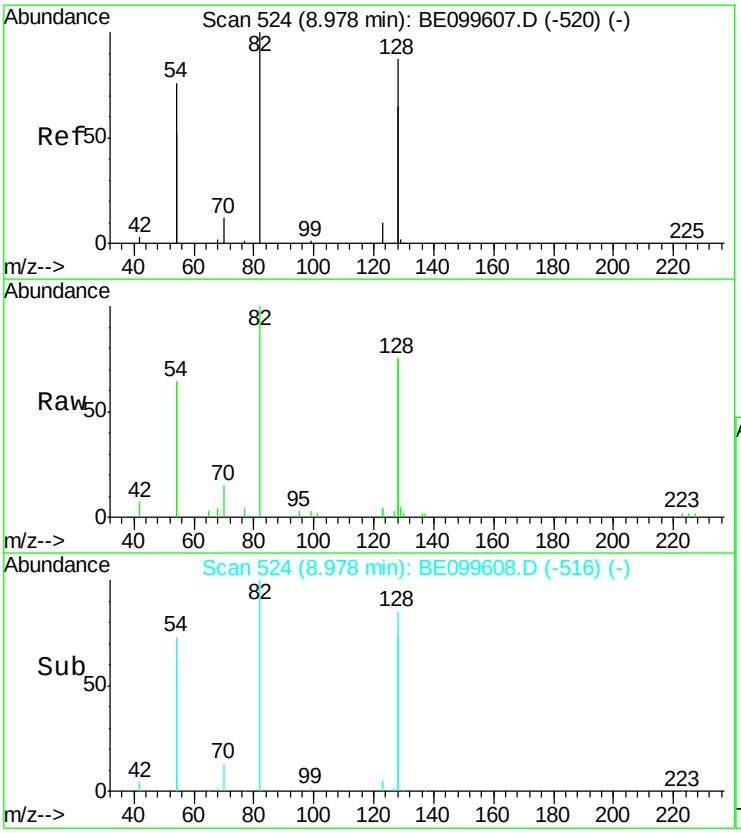
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:136 Resp: 5387

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.7	14.5
54	30.1	23.8	35.8
68	7.3	6.2	9.2

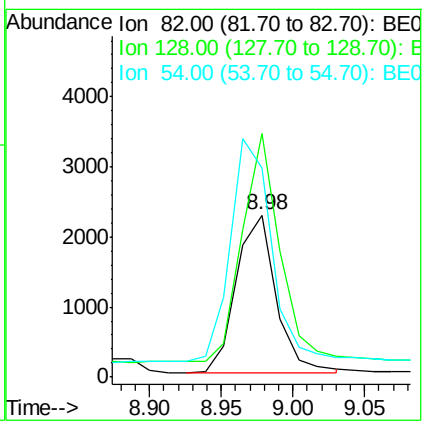


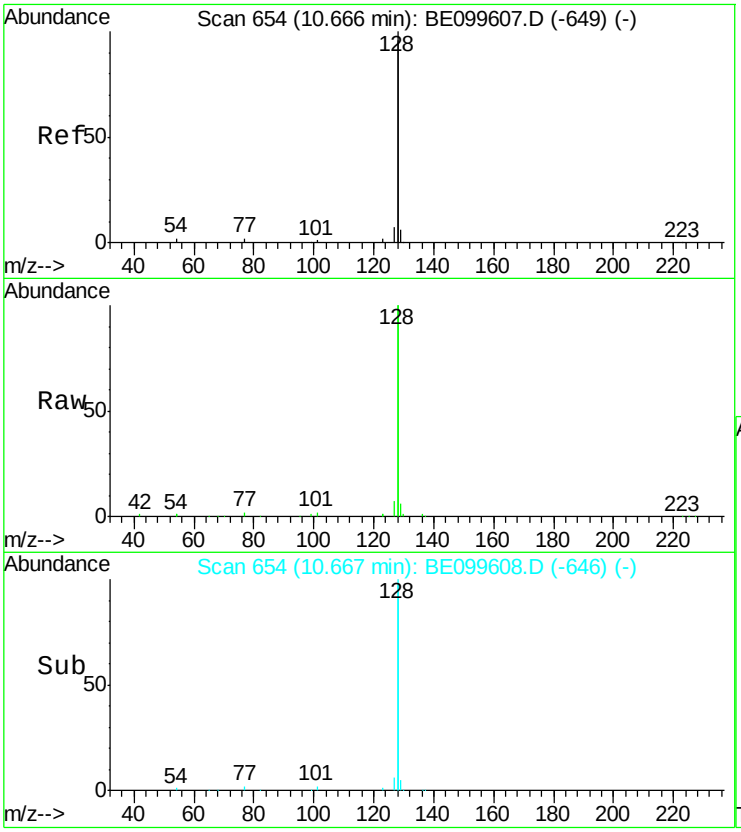


#8
Nitrobenzene-d5
Concen: 0.860 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion: 82 Resp: 4349

Ion	Ratio	Lower	Upper
82	100		
128	150.1	131.4	197.2
54	128.8	113.9	170.9



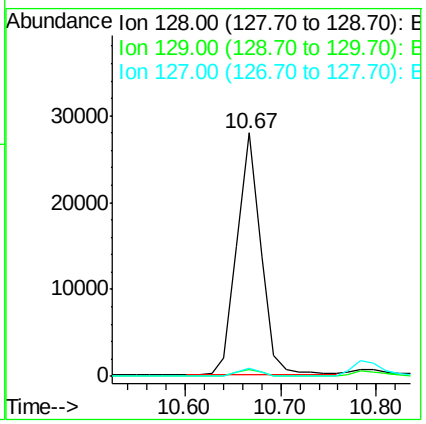


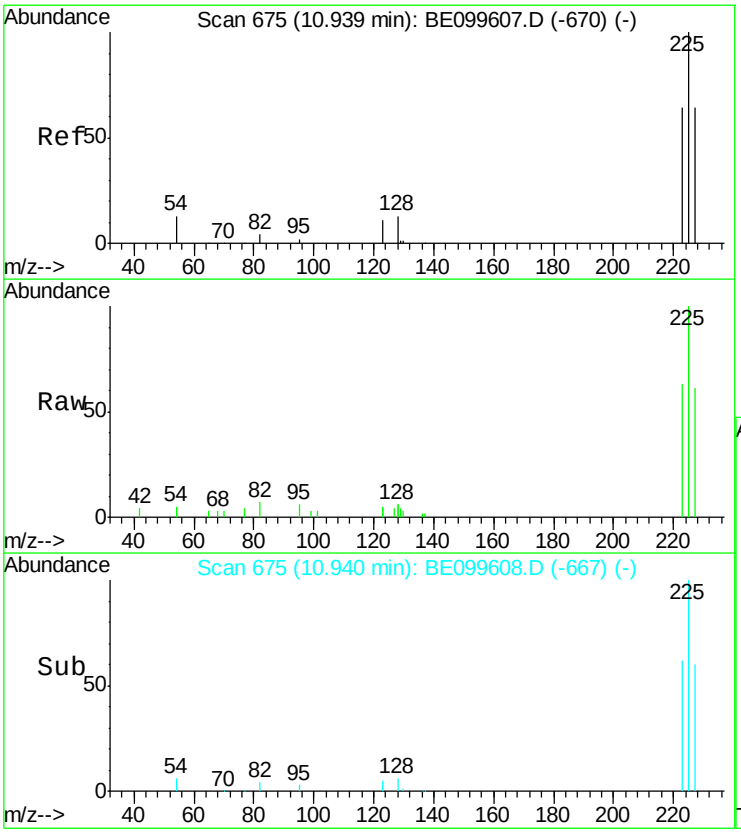
#9
Naphthalene
Concen: 0.836 ng
RT: 10.67 min Scan# 654
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 47990

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.6	4.0
127	3.3	3.0	4.6

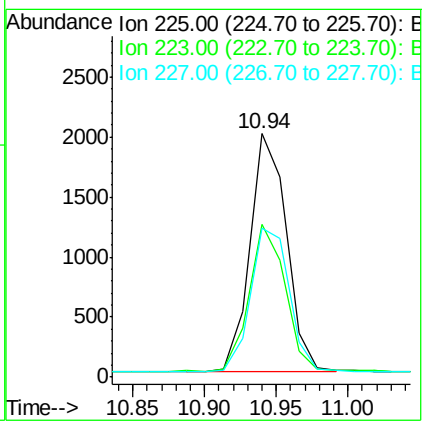


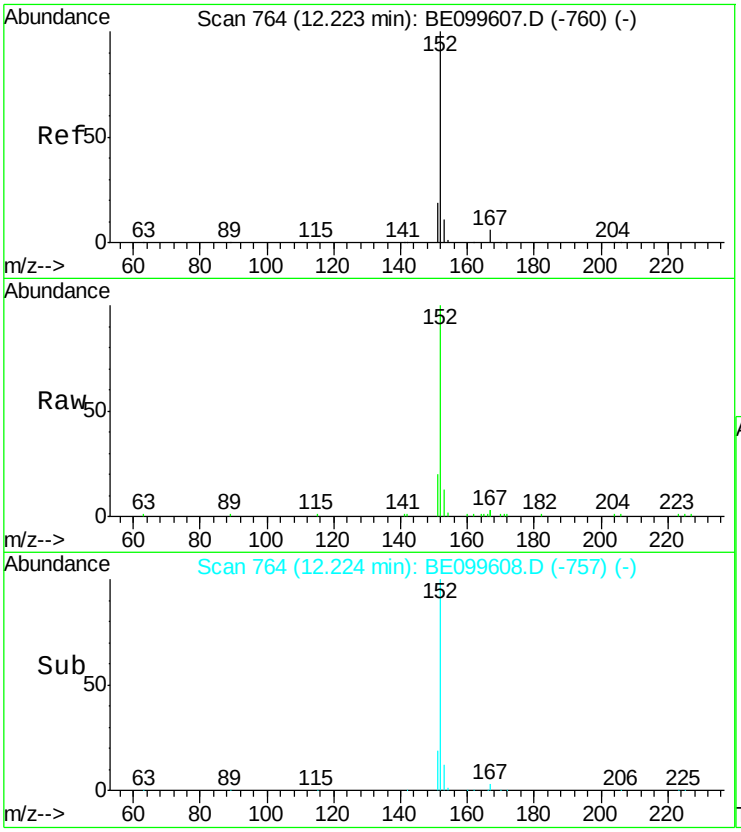


#10
Hexachlorobutadiene
Concen: 0.846 ng
RT: 10.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion:225 Resp: 3506

Ion	Ratio	Lower	Upper
225	100		
223	60.7	49.8	74.8
227	64.3	51.2	76.8



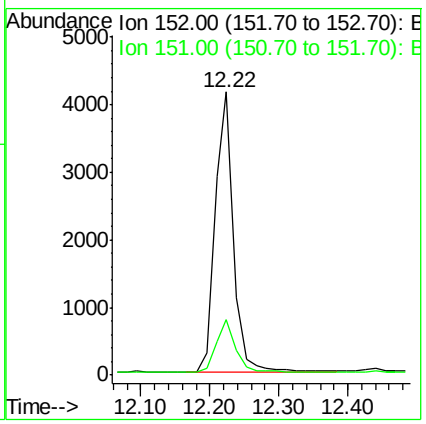


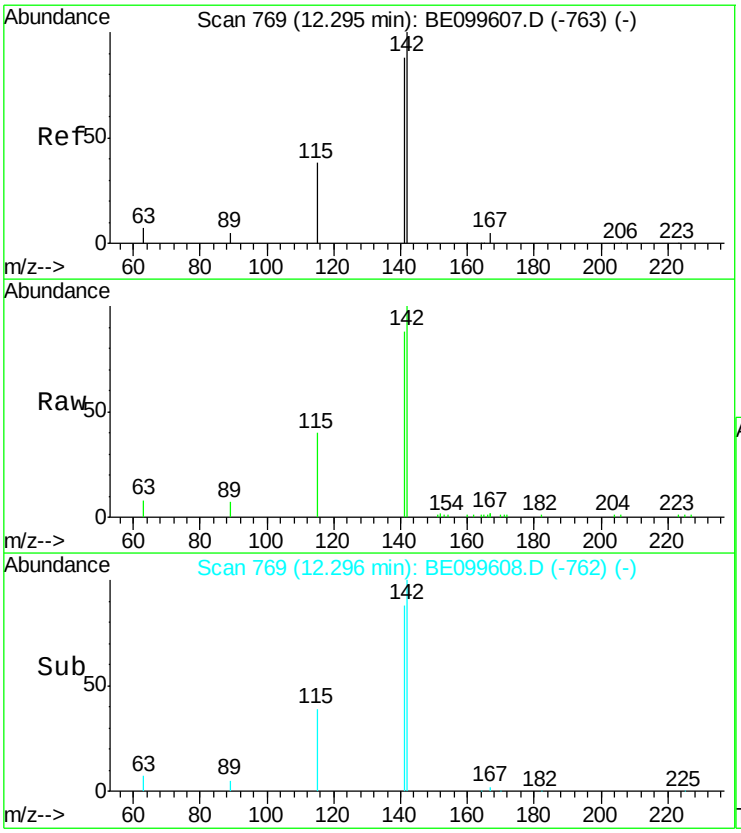
#11
2-Methylnaphthalene-d10
Concen: 0.852 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 7682

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.3	22.9

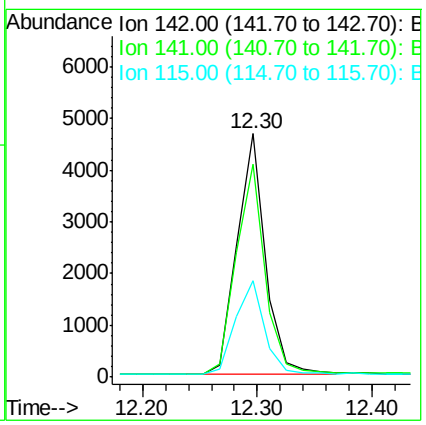


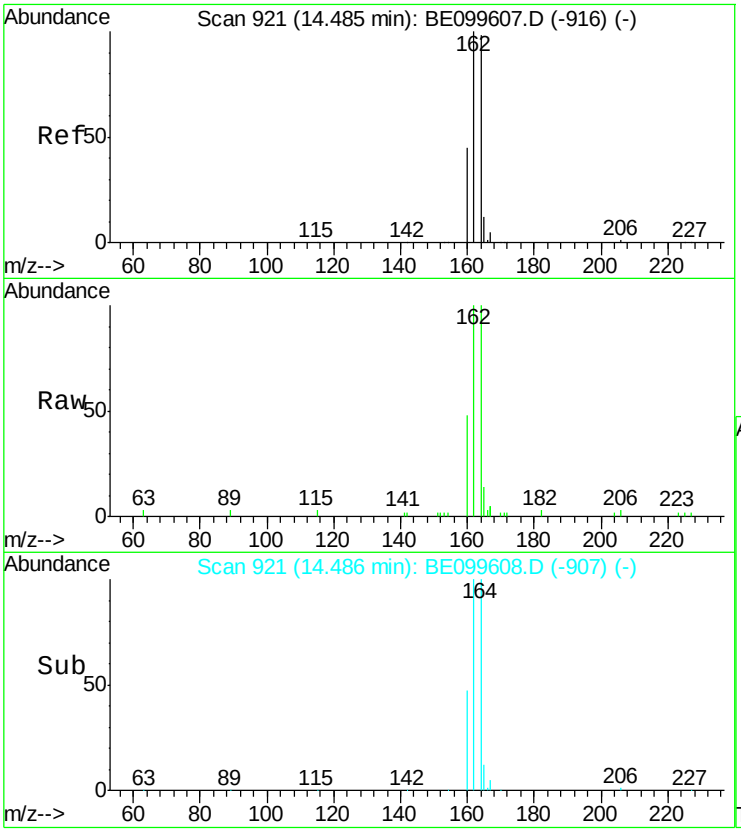


#12
2-Methylnaphthalene
Concen: 0.841 ng
RT: 12.30 min Scan# 769
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion:142 Resp: 7889

Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.4	105.6
115	39.8	32.2	48.4



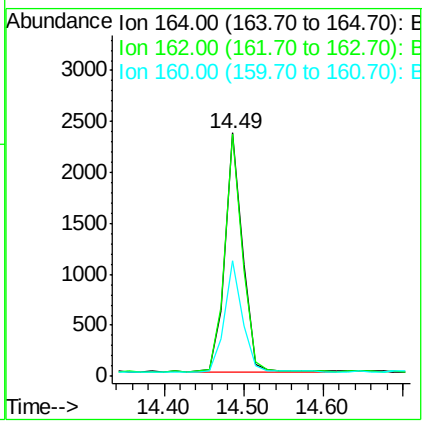


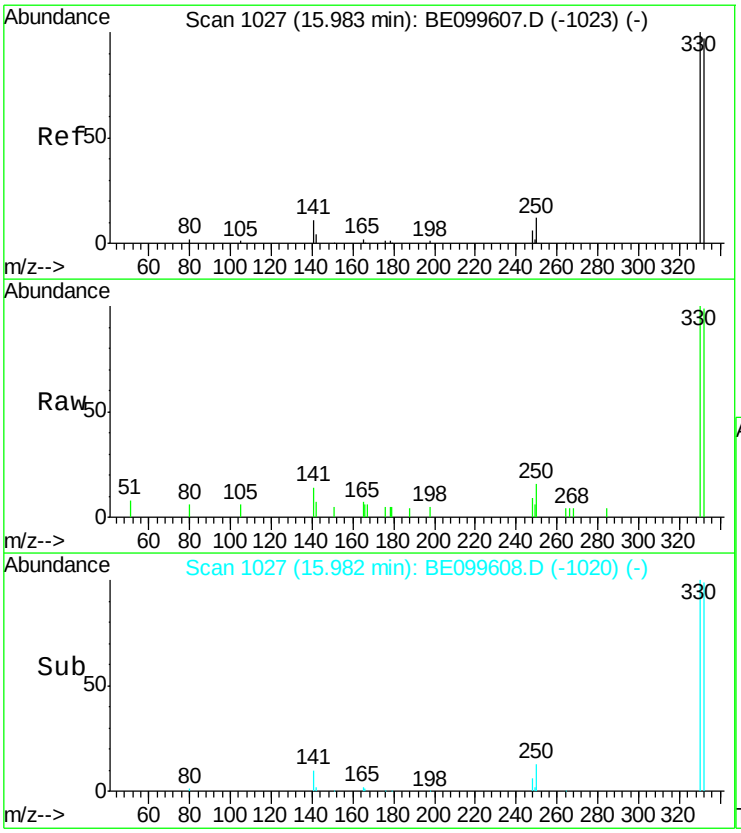
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:164 Resp: 3583

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.4	122.0
160	47.6	37.4	56.2

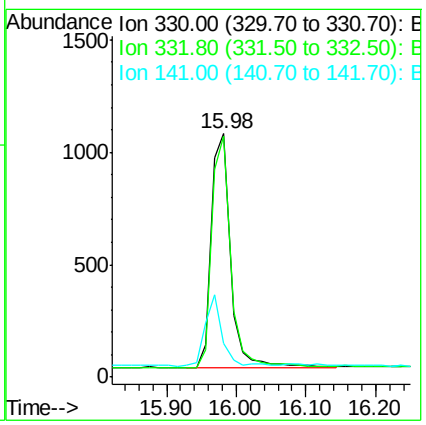


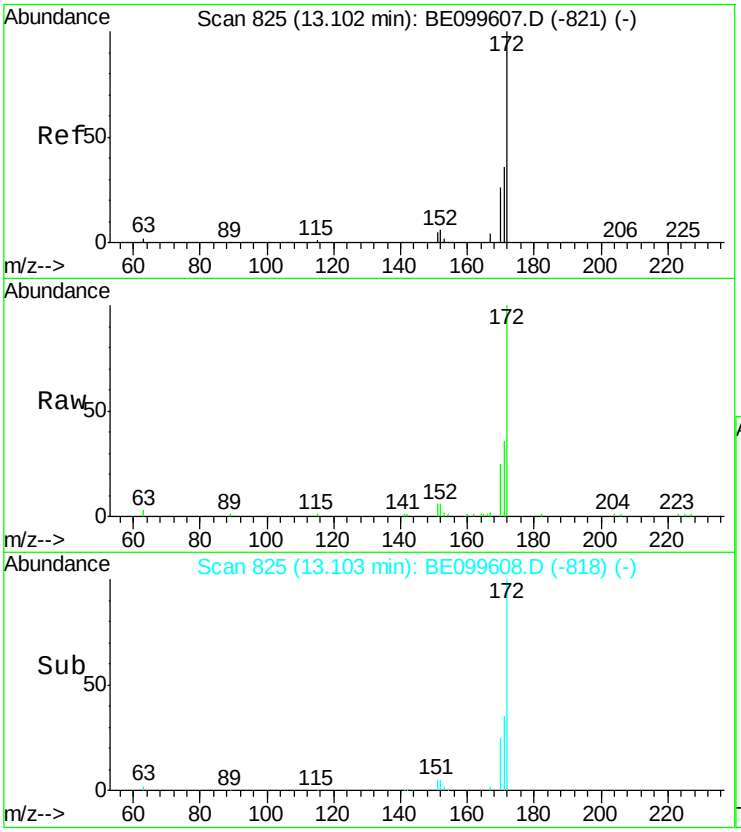


#14
2,4,6-Tribromophenol
Concen: 0.944 ng
RT: 15.98 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion:330 Resp: 2006

Ion	Ratio	Lower	Upper
330	100		
332	98.3	73.8	110.8
141	27.3	21.0	31.6



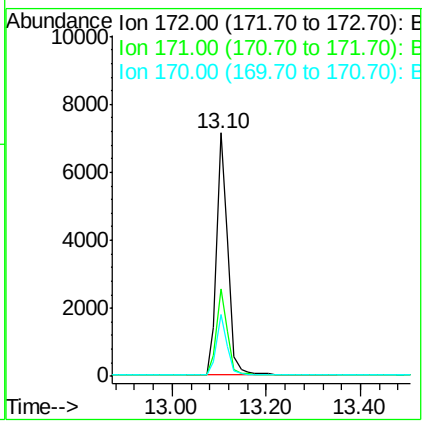


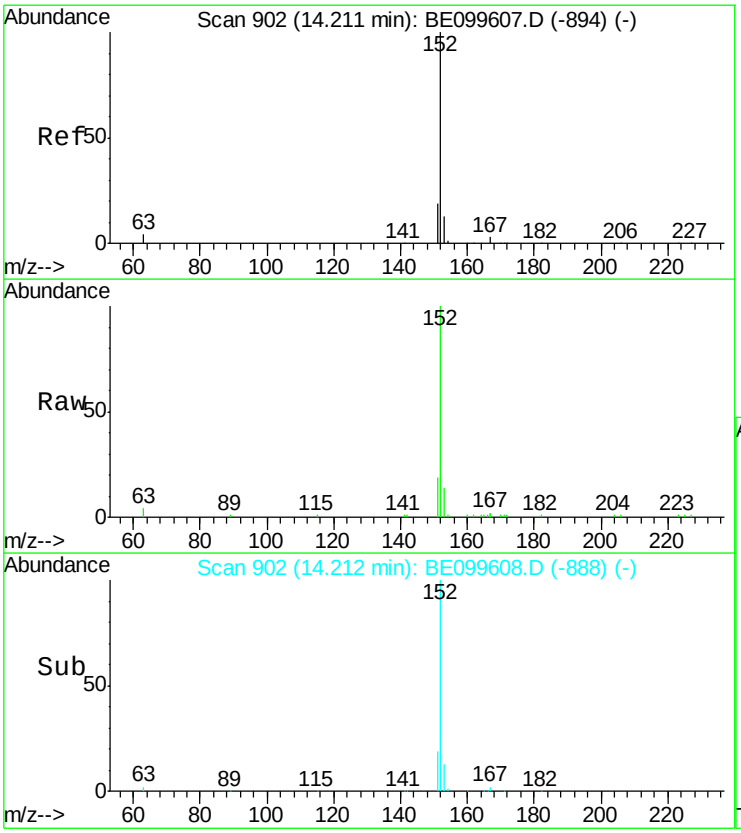
#15
2-Fluorobiphenyl
Concen: 0.848 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:172 Resp: 11772

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.4	44.2
170	25.3	21.5	32.3

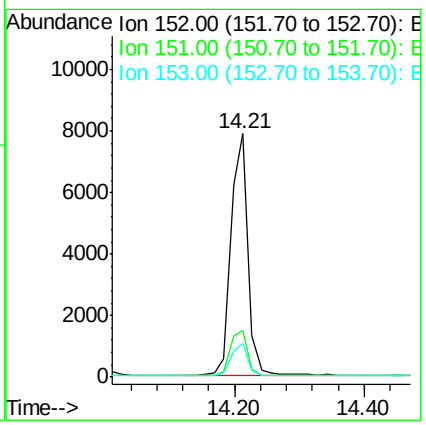


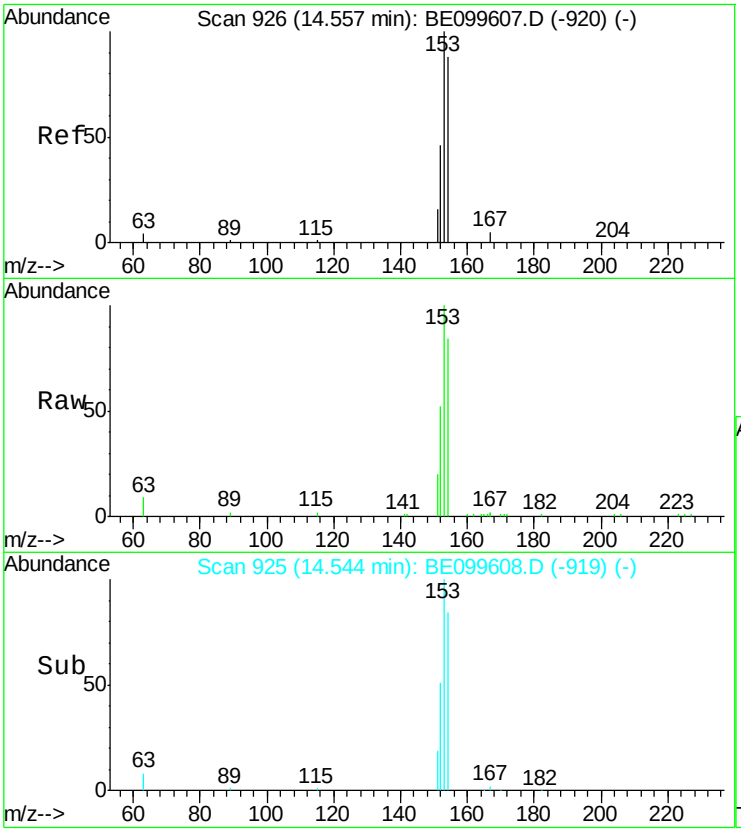


#16
Acenaphthylene
Concen: 0.816 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion:152 Resp: 14160

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.6	23.4
153	13.4	10.4	15.6



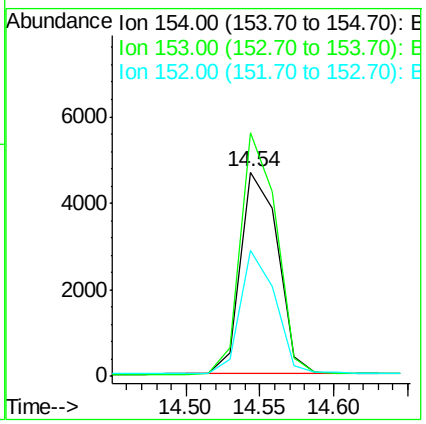


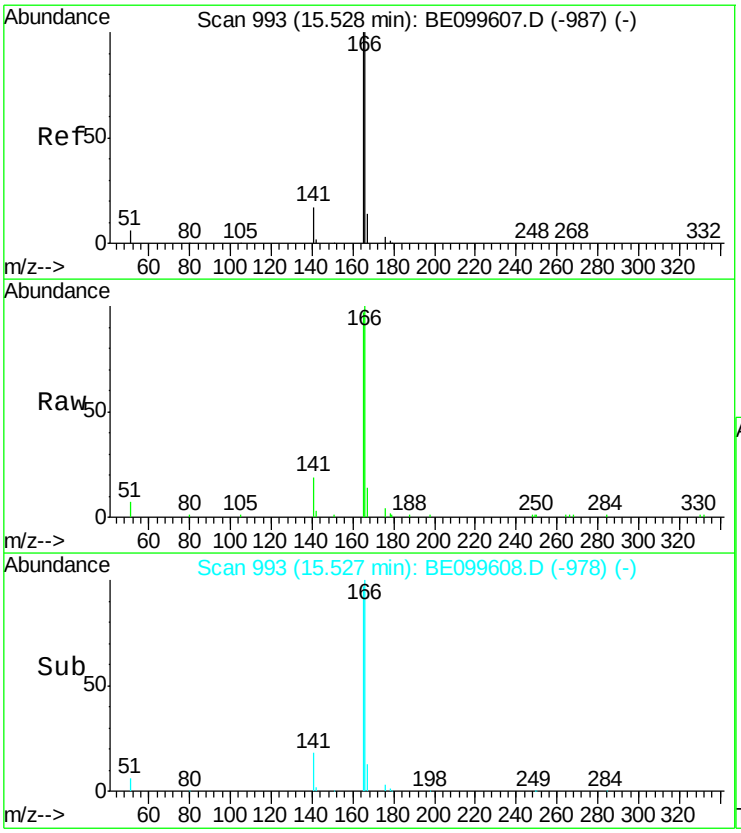
#17
Acenaphthene
Concen: 0.839 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.01 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:154 Resp: 8130

Ion	Ratio	Lower	Upper
154	100		
153	115.8	94.1	141.1
152	58.3	46.5	69.7

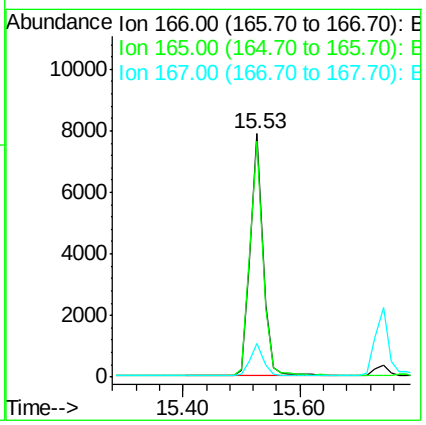


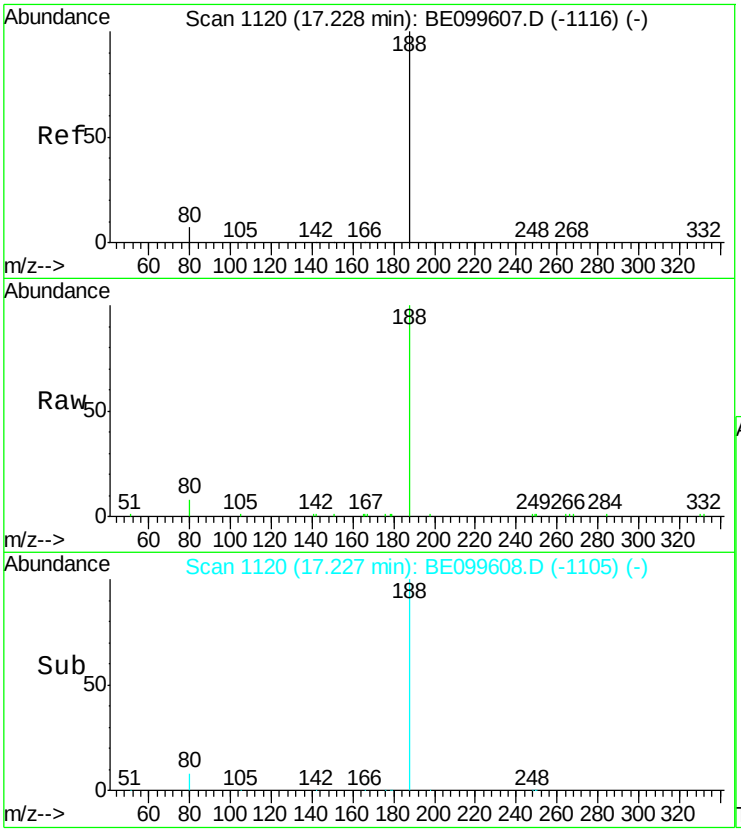


#18
Fluorene
Concen: 0.844 ng
RT: 15.53 min Scan# 993
Delta R.T. -0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion:166 Resp: 11670

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.8	119.8
167	13.5	11.2	16.8



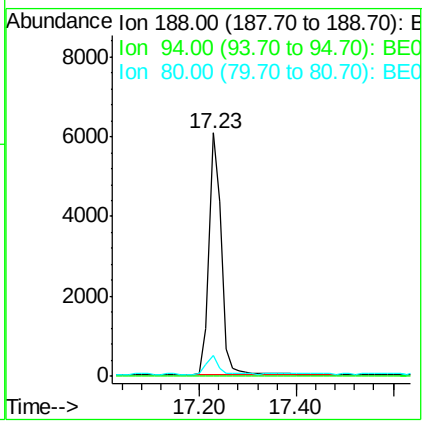


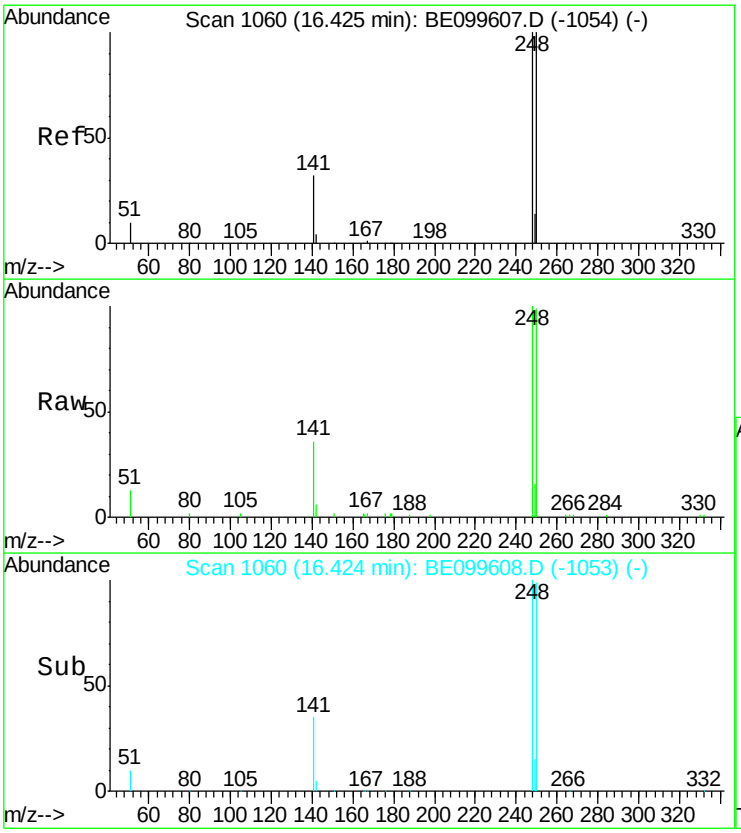
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 10242

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.4	6.4	9.6

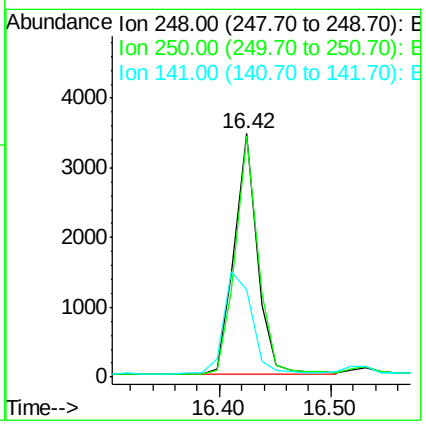


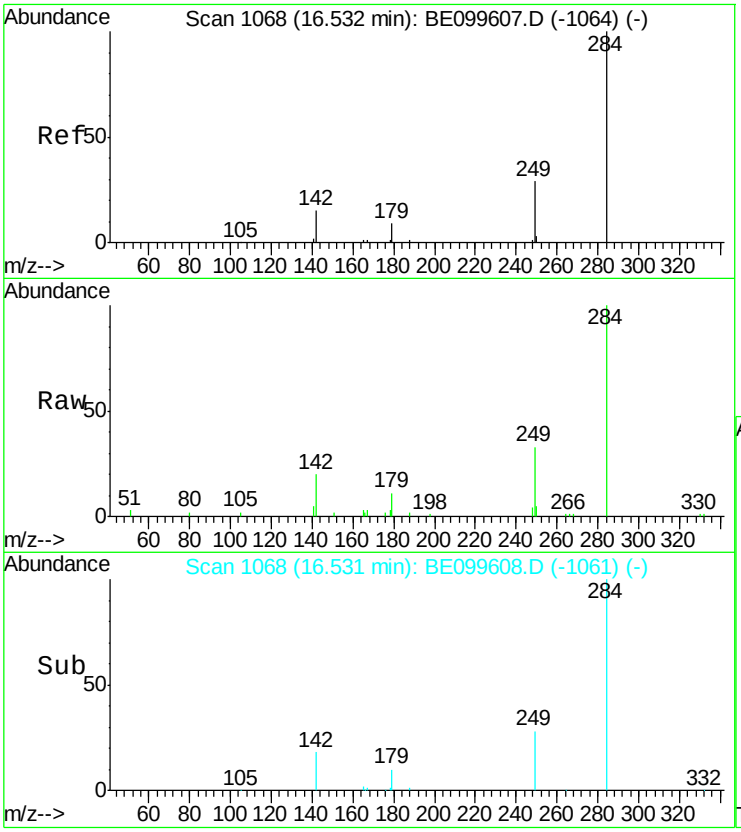


#20
4-Bromophenyl-phenylether
Concen: 0.850 ng
RT: 16.42 min Scan# 1060
Delta R.T. -0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion:248 Resp: 4969

Ion	Ratio	Lower	Upper
248	100		
250	99.1	80.4	120.6
141	35.7	27.8	41.8



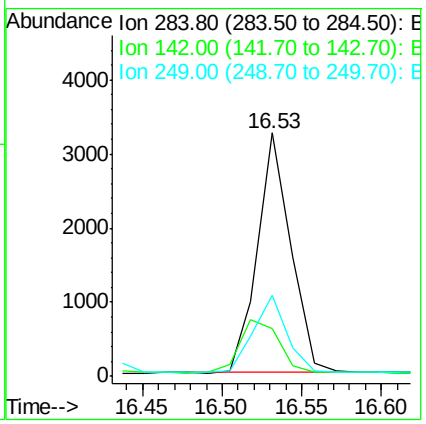


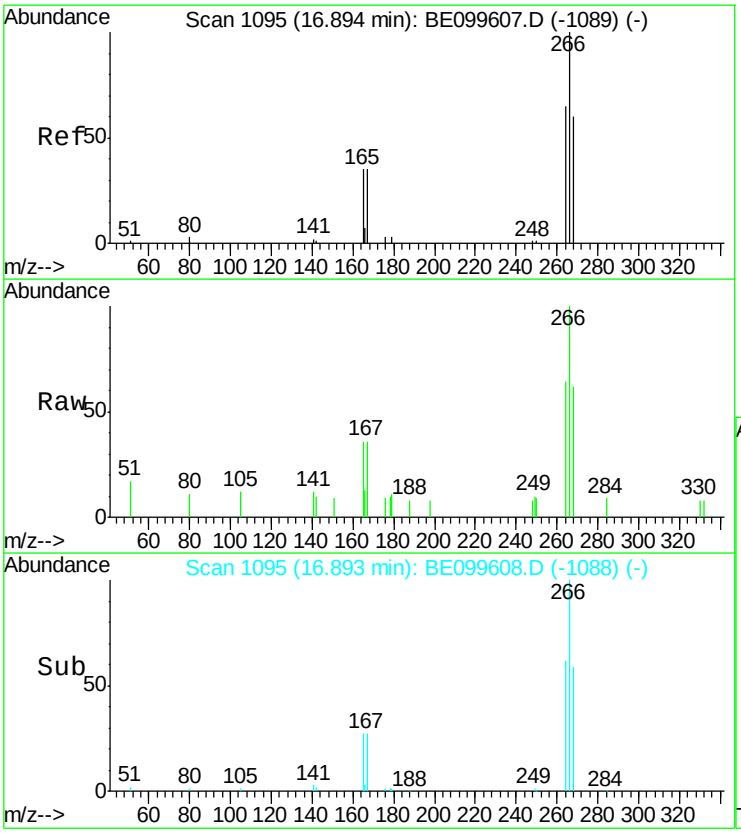
#21
Hexachlorobenzene
Concen: 0.814 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:284 Resp: 4777

Ion	Ratio	Lower	Upper
284	100		
142	25.8	19.4	29.2
249	32.4	24.6	37.0

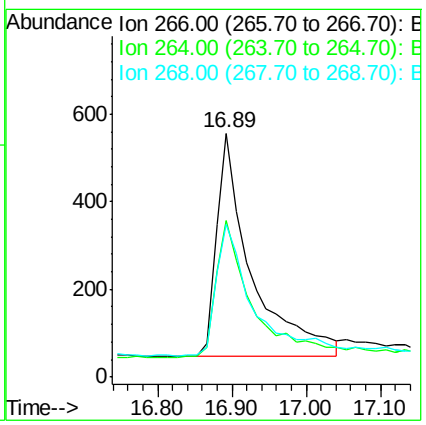


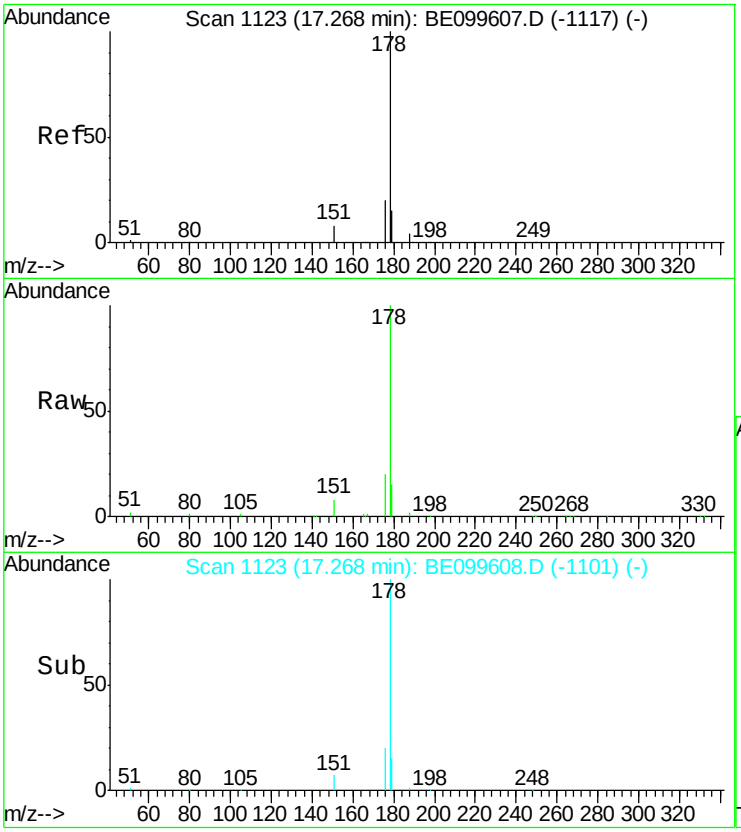


#22
Pentachlorophenol
Concen: 0.715 ng
RT: 16.89 min Scan# 1095
Delta R.T. -0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion:266 Resp: 1676

Ion	Ratio	Lower	Upper
266	100		
264	64.4	57.7	86.5
268	62.4	55.8	83.8



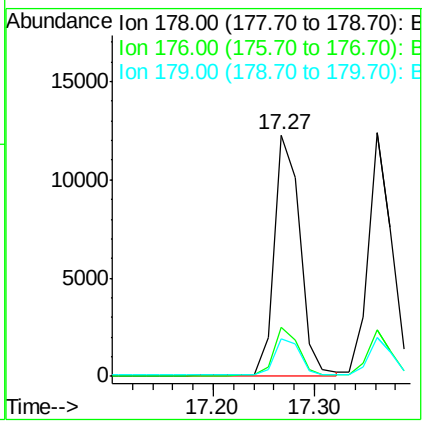


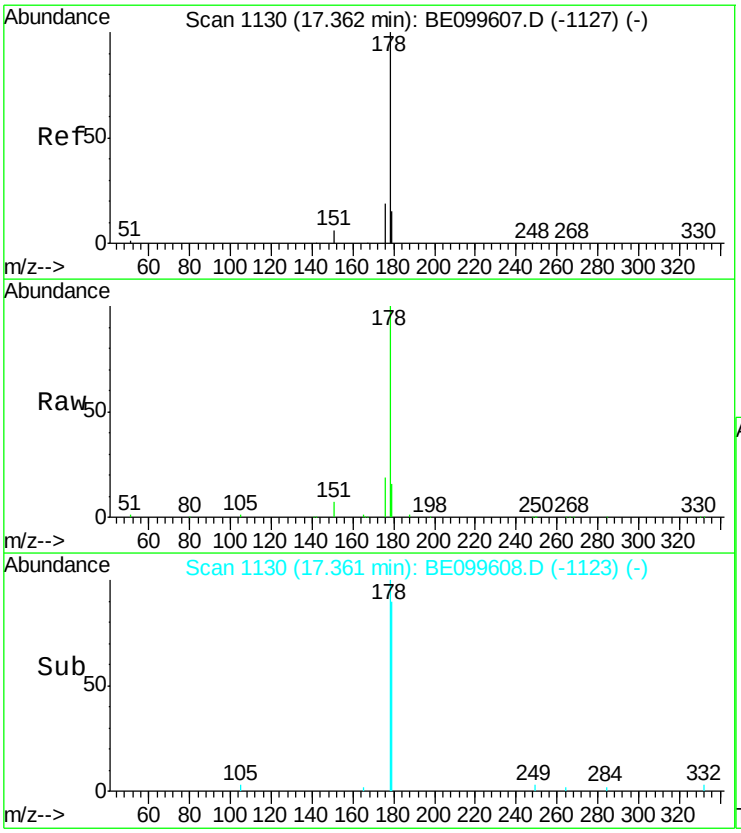
#23
Phenanthrene
Concen: 0.834 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 21196

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	15.2	12.2	18.2

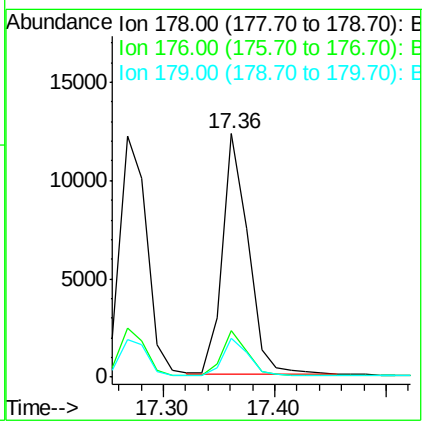


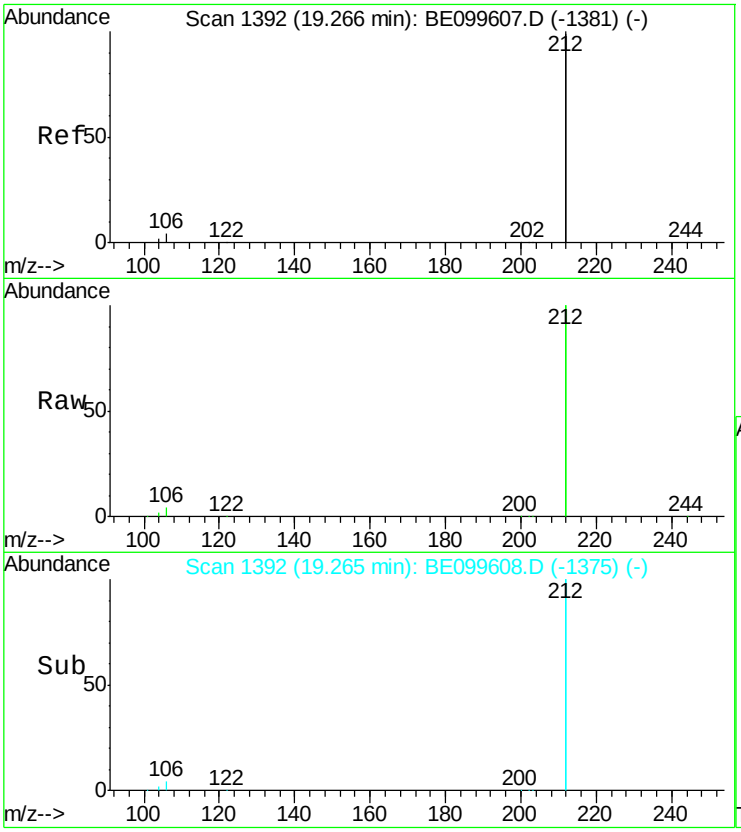


#24
Anthracene
Concen: 0.819 ng
RT: 17.36 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion:178 Resp: 19560

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.2	22.8
179	15.2	12.1	18.1



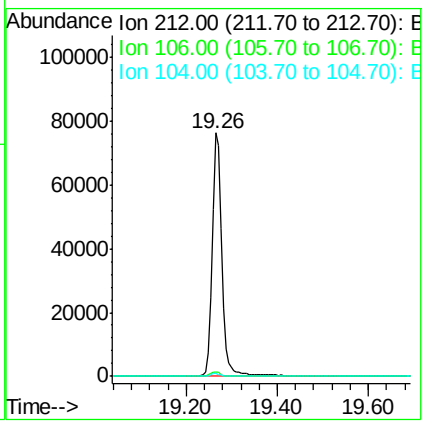


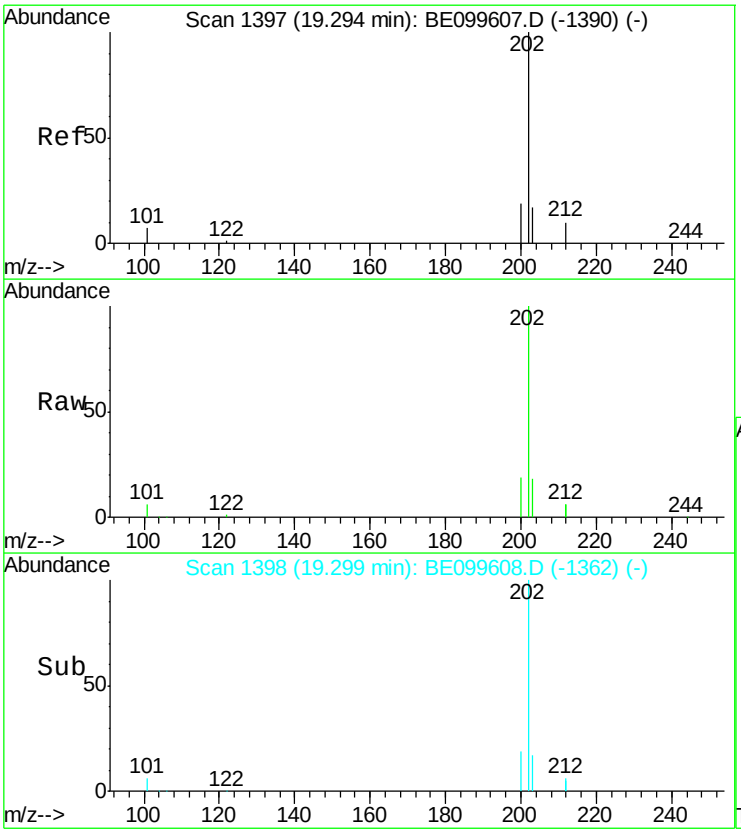
#25
Fluoranthene-d10
Concen: 0.838 ng
RT: 19.26 min Scan# 1392
Delta R.T. -0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:212 Resp: 112903

Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.4	2.2
104	1.0	0.9	1.3

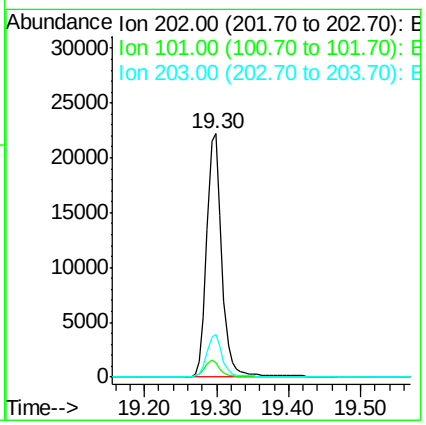


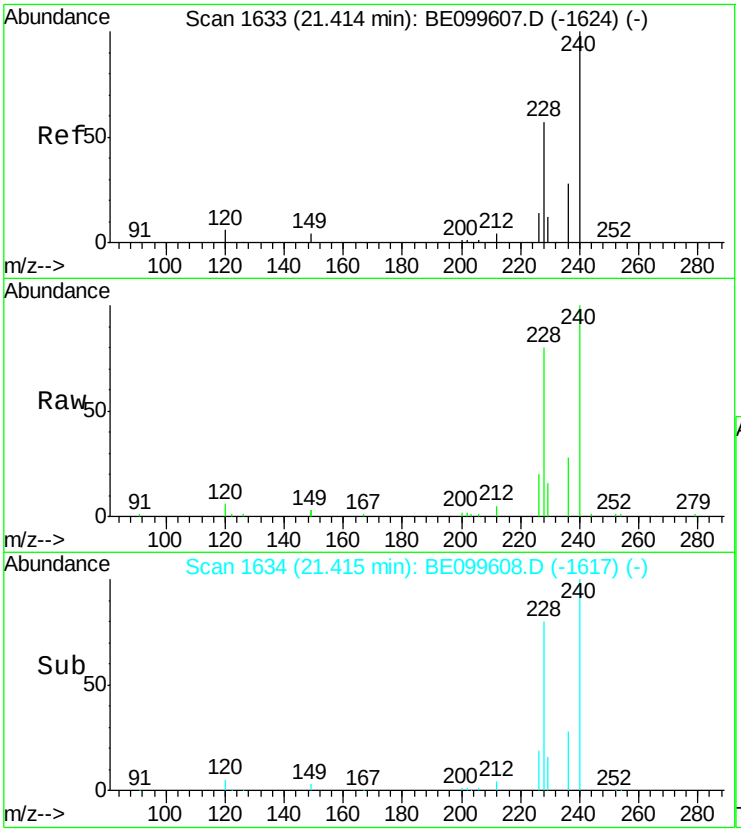


#26
Fluoranthene
Concen: 0.834 ng
RT: 19.30 min Scan# 1398
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion:202 Resp: 31898

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.0	7.6
203	17.4	13.7	20.5



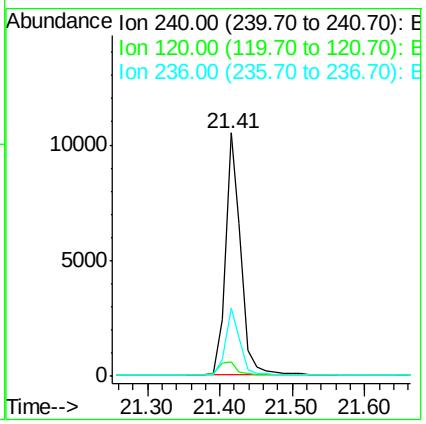


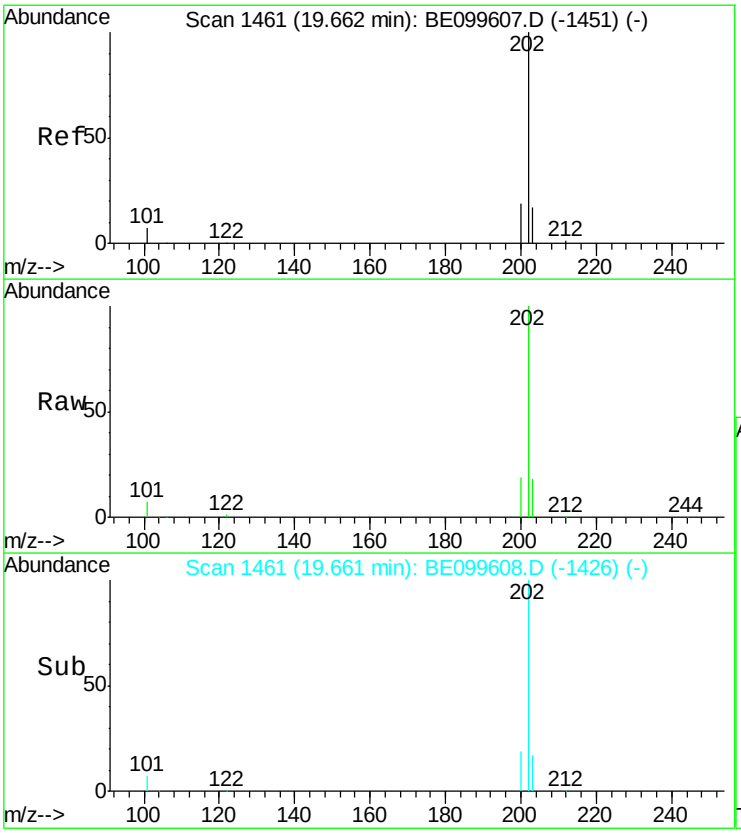
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:240 Resp: 15589

Ion	Ratio	Lower	Upper
240	100		
120	6.0	5.7	8.5
236	28.1	22.8	34.2

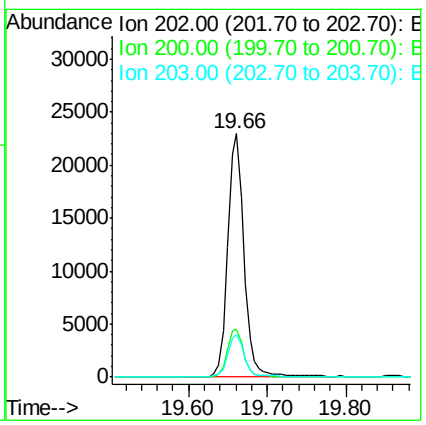


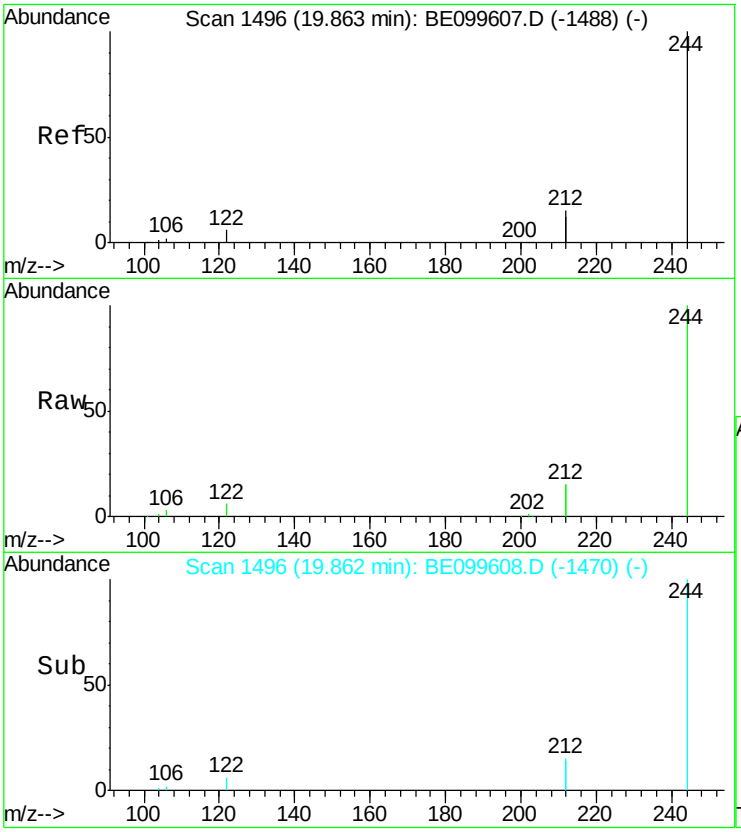


#28
Pyrene
Concen: 0.801 ng
RT: 19.66 min Scan# 1461
Delta R.T. -0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion:202 Resp: 32924

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.8	23.6
203	17.5	14.1	21.1



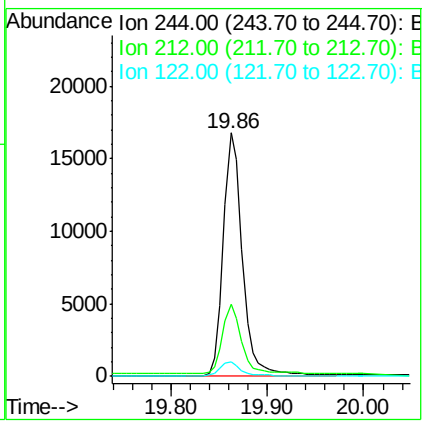


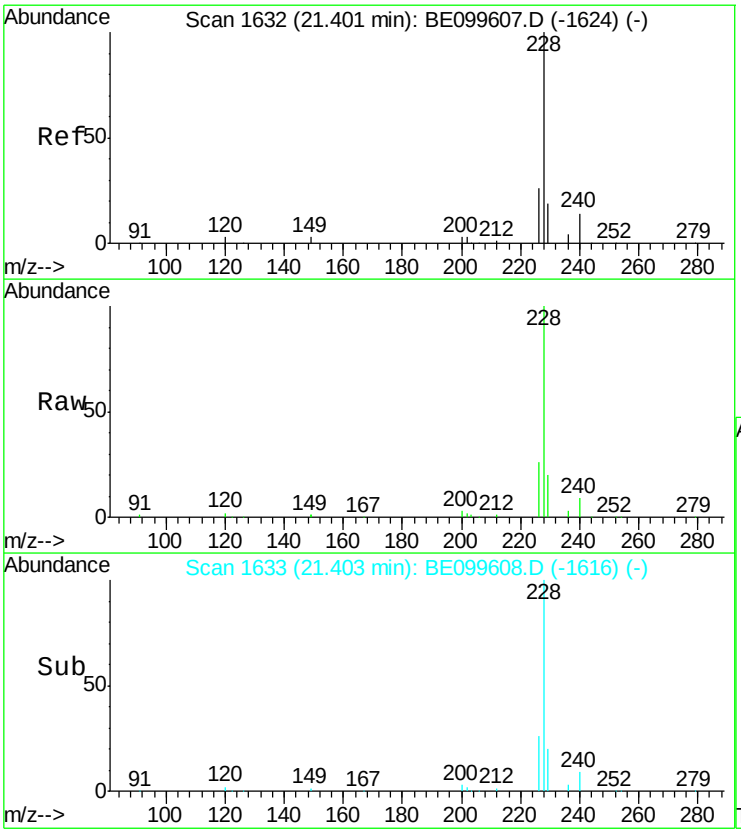
#29
Terphenyl-d14
Concen: 0.838 ng
RT: 19.86 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:244 Resp: 23211

Ion	Ratio	Lower	Upper
244	100		
212	29.7	23.8	35.6
122	6.1	5.0	7.6

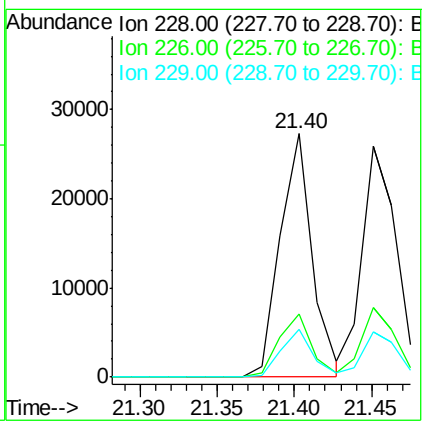


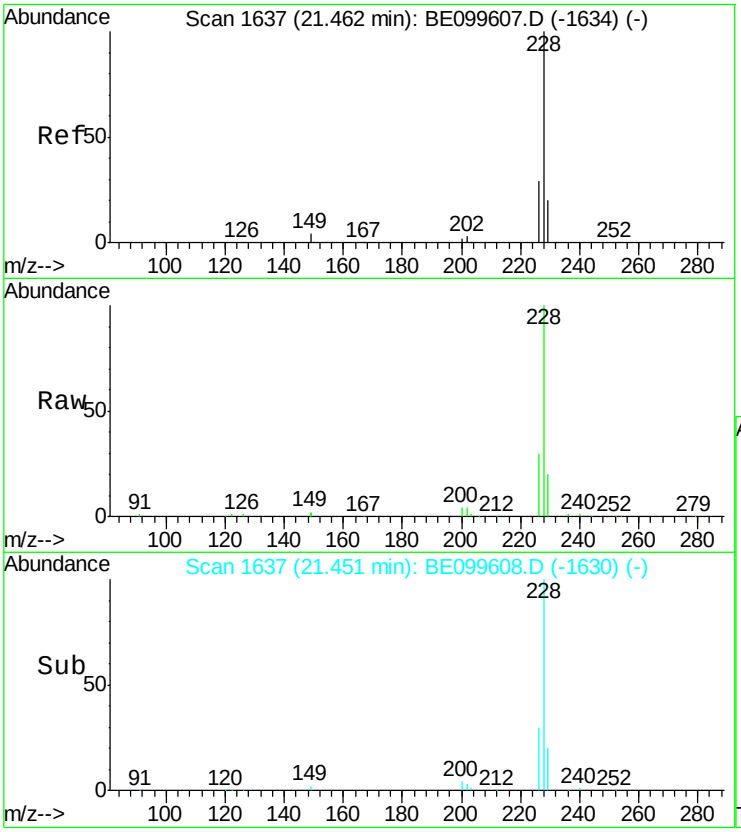


#30
Benzo(a)anthracene
Concen: 0.827 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion:228 Resp: 39366

Ion	Ratio	Lower	Upper
228	100		
226	25.9	21.4	32.2
229	19.8	15.8	23.8



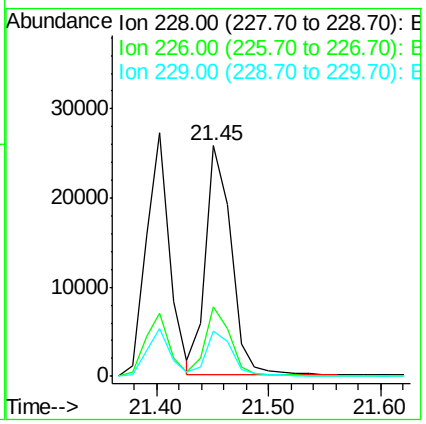


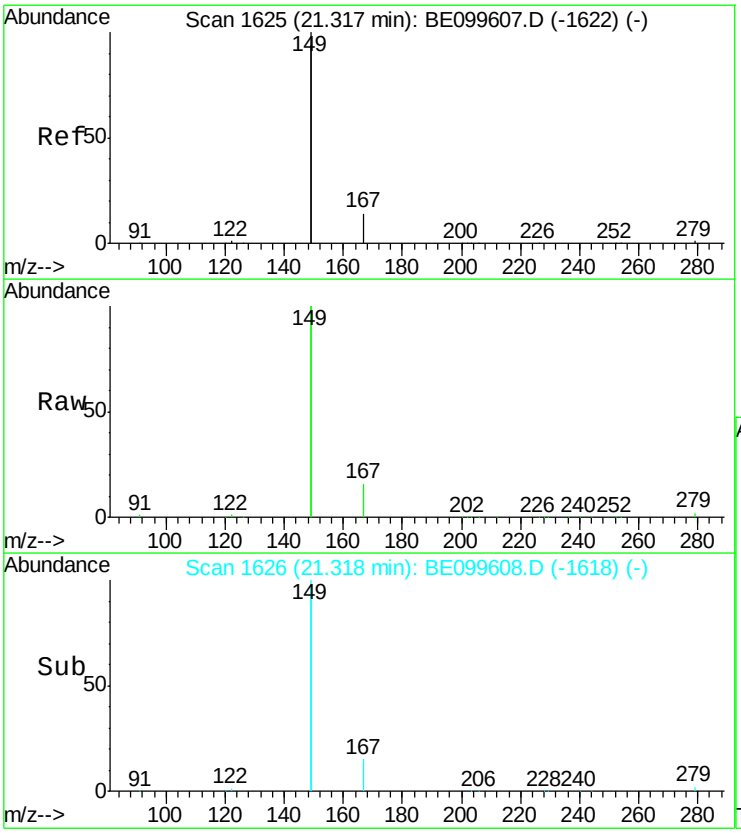
#31
Chrysene
Concen: 0.850 ng
RT: 21.45 min Scan# 1637
Delta R.T. -0.01 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:228 Resp: 40427

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.0	34.4
229	19.7	16.4	24.6

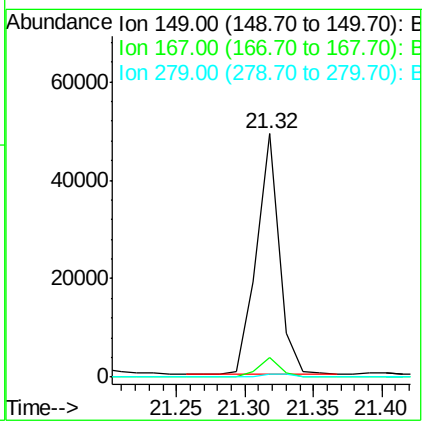


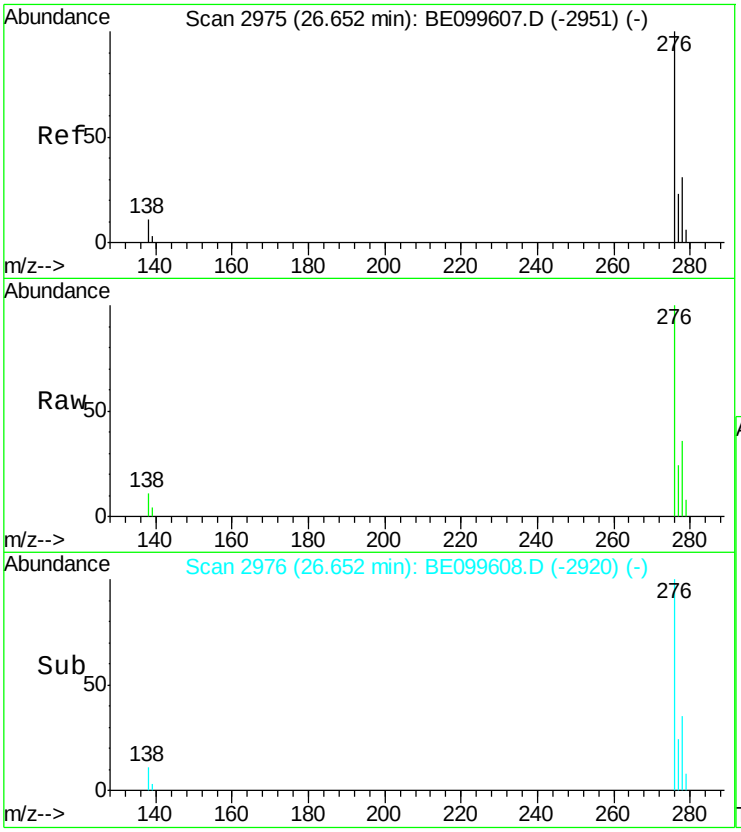


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.816 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion:149 Resp: 55803

Ion	Ratio	Lower	Upper
149	100		
167	7.6	6.0	9.0
279	1.4	1.1	1.7



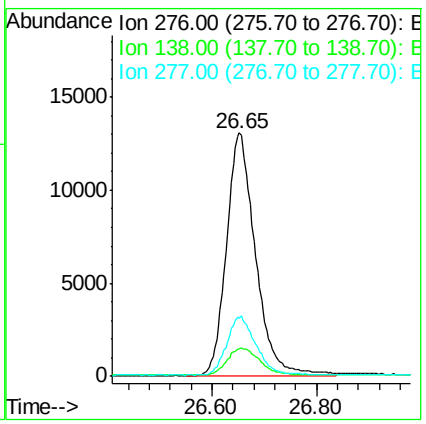


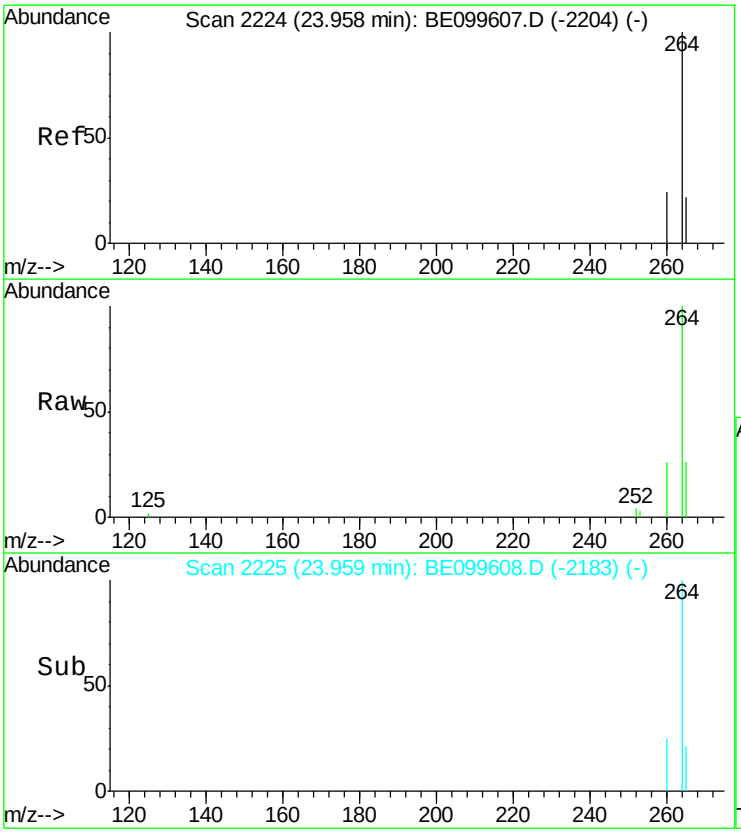
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.842 ng
RT: 26.65 min Scan# 2976
Delta R.T. -0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 49978

Ion	Ratio	Lower	Upper
276	100		
138	12.4	10.0	15.0
277	24.7	19.1	28.7

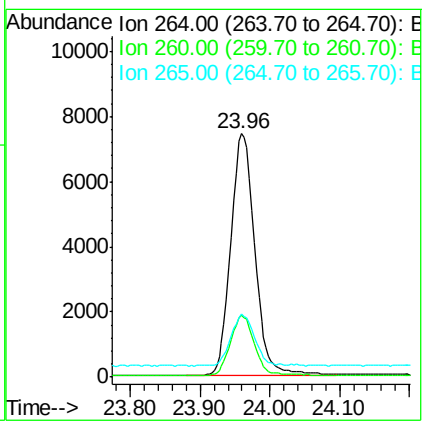


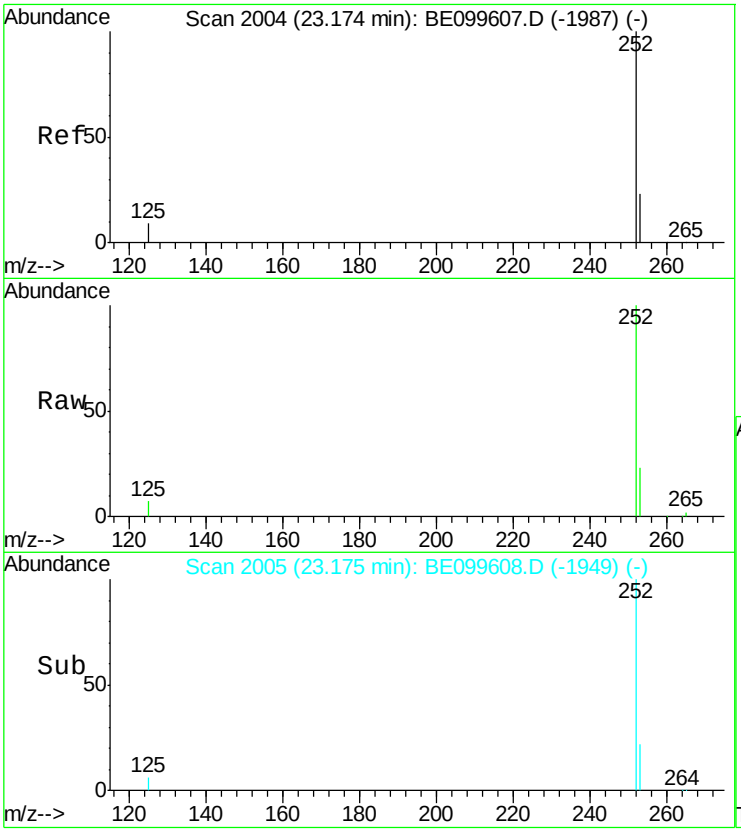


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion:264 Resp: 17585

Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.7	29.5
265	26.0	21.2	31.8



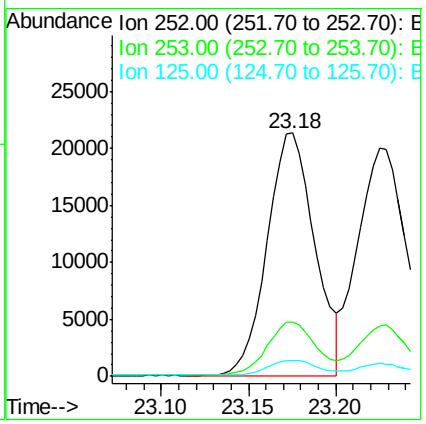


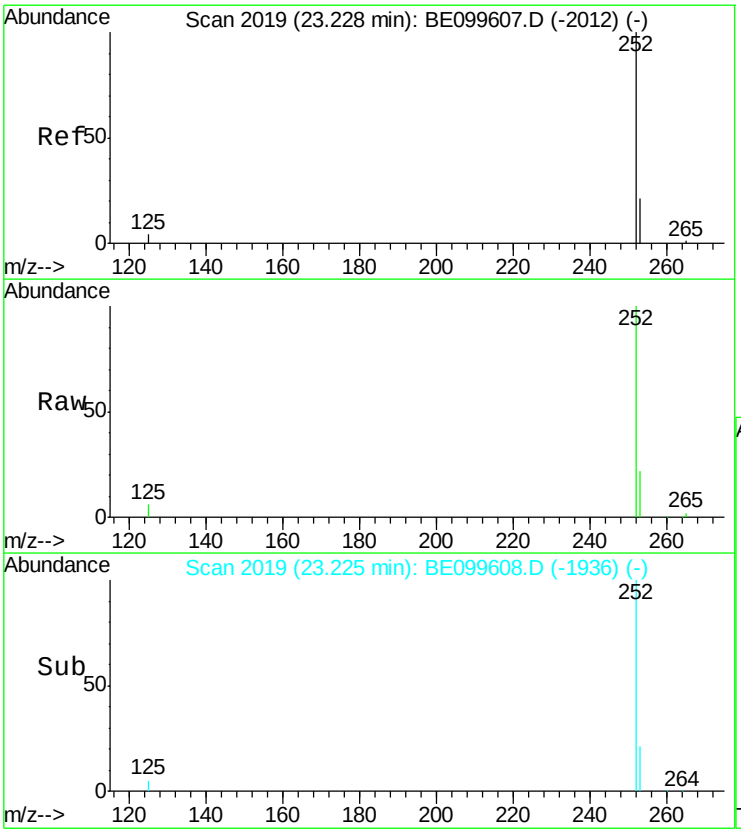
#35
Benzo(b)fluoranthene
Concen: 0.827 ng
RT: 23.18 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 40159

Ion	Ratio	Lower	Upper
252	100		
253	22.5	19.1	28.7
125	6.7	7.8	11.8#

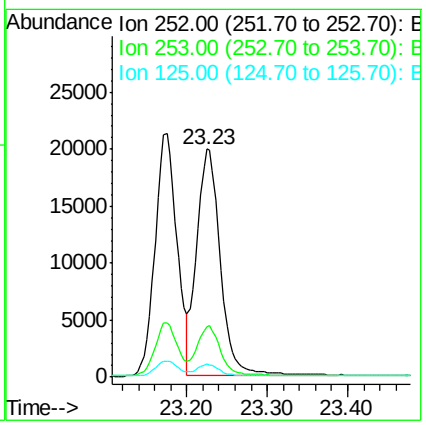


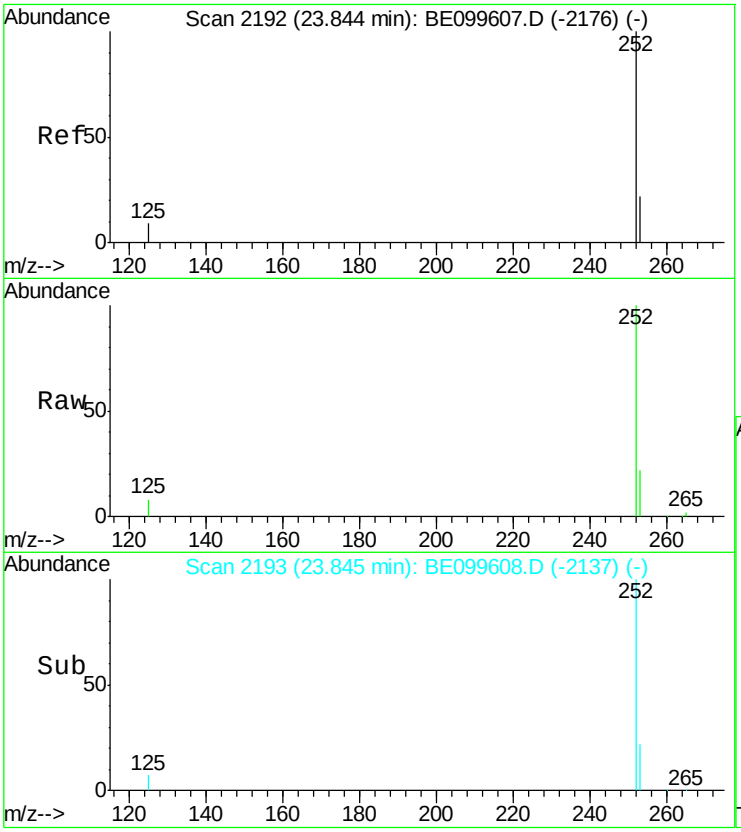


#36
Benzo(k)fluoranthene
Concen: 0.840 ng
RT: 23.23 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion:252 Resp: 40581

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.6	28.0
125	5.8	5.2	7.8



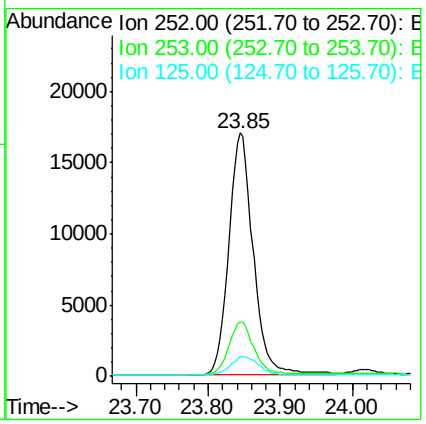


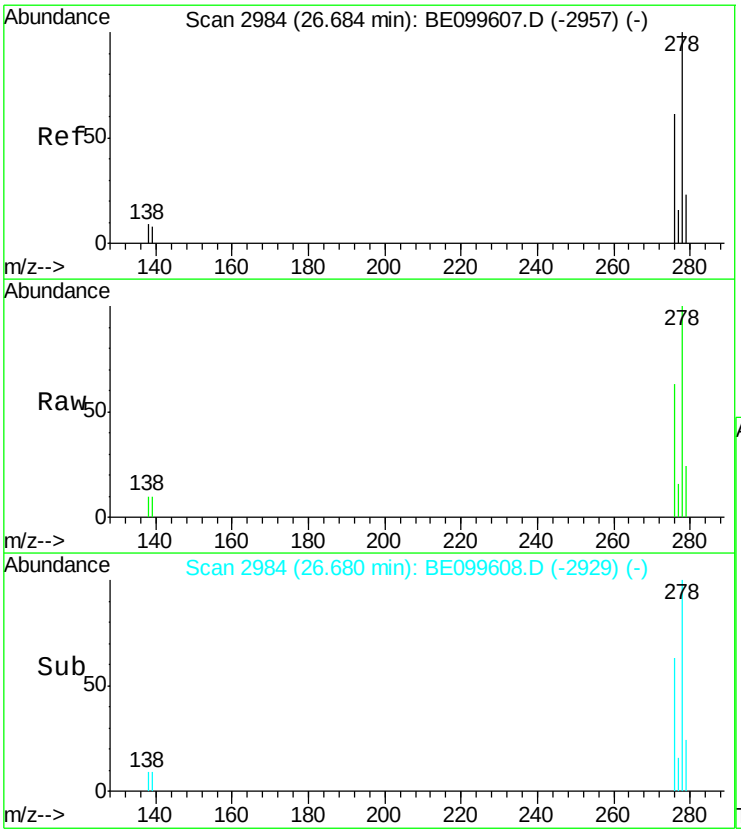
#37
Benzo(a)pyrene
Concen: 0.832 ng
RT: 23.85 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 39146

Ion	Ratio	Lower	Upper
252	100		
253	22.3	19.0	28.6
125	7.8	8.8	13.2#

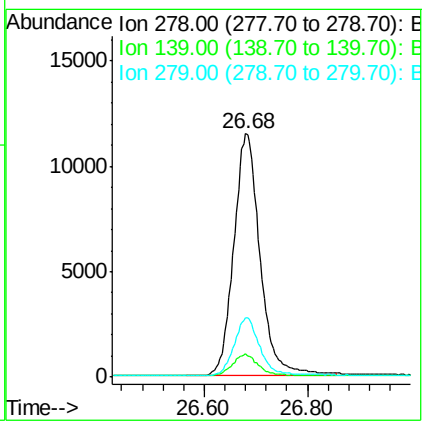


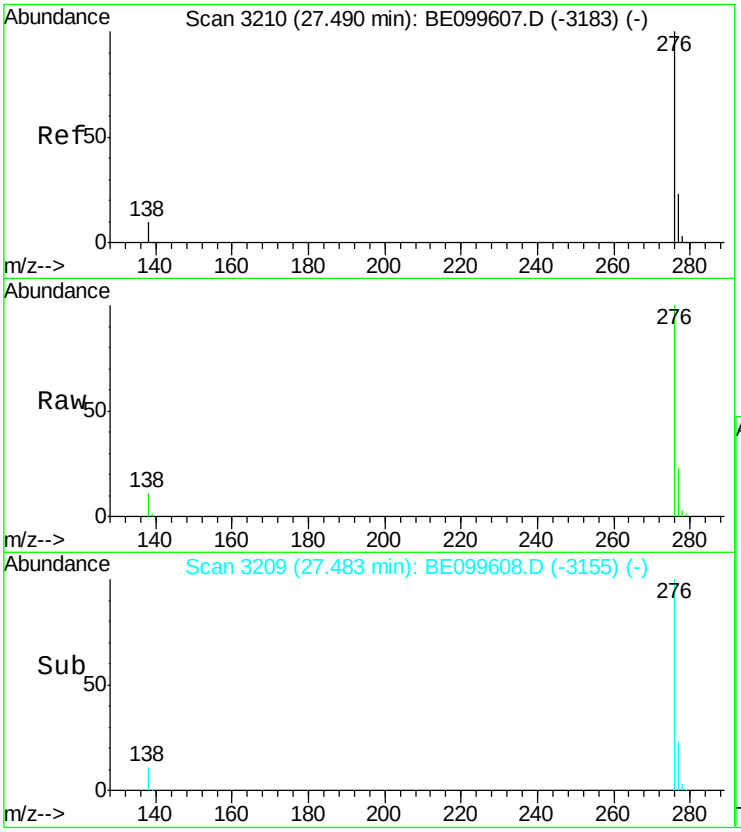


#38
Dibenzo(a,h)anthracene
Concen: 0.833 ng
RT: 26.68 min Scan# 2984
Delta R.T. -0.00 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Tgt Ion:278 Resp: 40982

Ion	Ratio	Lower	Upper
278	100		
139	9.6	7.9	11.9
279	24.1	19.5	29.3





#39
Benzo(g,h,i)perylene
Concen: 0.825 ng
RT: 27.48 min Scan# 3209
Delta R.T. -0.01 min
Lab File: BE099608.D
Acq: 14 May 2019 17:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 41089

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.3	28.9
138	11.4	9.1	13.7