Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\
Data File : BE100792.D
Acq On : 5 Dec 2019 17:00
Operator : JU
Sample : K6053-02MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Dec 05 18:03:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 04 17:18:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	6619	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	29064	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	15719	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	32727	0.40	ng	-0.01
27) Chrysene-d12	21.30	240	39971	0.40	ng	0.00
34) Perylene-d12	23.76	264	50333	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	6515	0.41	ng	0.00
5) Phenol-d6	6.93	99	10691	0.45	ng	0.00
8) Nitrobenzene-d5	8.90	82	7175	0.52	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	22570	0.54	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1564	0.89	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	17377	0.28	ng	0.00
25) Fluoranthene-d10	19.16	212	118680	0.31	ng	0.00
29) Terphenyl-d14	19.76	244	23943	0.25	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.35	88	3206	0.266	ng	# 53
3) n-Nitrosodimethylamine	3.64	42	4157	0.423	ng	# 88
6) bis(2-Chloroethyl)ether	7.19	93	8394	0.366	ng	96
9) Naphthalene	10.59	128	194521	0.630	ng	100
10) Hexachlorobutadiene	10.89	225	3812	0.317	ng	96
12) 2-Methylnaphthalene	12.21	142	27495	0.570	ng	99
16) Acenaphthylene	14.11	152	113478	1.745	ng	99
17) Acenaphthene	14.46	154	21358	0.477	ng	98
18) Fluorene	15.43	166	45403	0.786	ng	92
20) 4-Bromophenyl-phenylether	16.33	248	5741	0.358	ng	100
21) Hexachlorobenzene	16.44	284	5224	0.299	ng	99
22) Pentachlorophenol	16.79	266	4050	3.357	ng	82
23) Phenanthrene	17.16	178	530838	5.355	ng	99
24) Anthracene	17.26	178	134297	1.620	ng	97
26) Fluoranthene	19.19	202	1199353	10.137	ng	98
28) Pyrene	19.55	202	1318007	10.148	ng	96
30) Benzo(a)anthracene	21.34	228	799859	6.789	ng	92
31) Chrysene	21.34	228	795739	5.748	ng	96
32) Bis(2-ethylhexyl)phthalate	21.24	149	173056	1.639	ng	99
33) Indeno(1,2,3-cd)pyrene	26.33	276	497205	4.123	ng	97
35) Benzo(b)fluoranthene	23.01	252	950254	6.896	ng	99
36) Benzo(k)fluoranthene	23.01	252	950254	6.149	ng	98
37) Benzo(a)pyrene	23.65	252	777326	6.515	ng	98
38) Dibenzo(a,h)anthracene	26.35	278	164847	1.389	ng	95
39) Benzo(g,h,i)perylene	27.13	276	491068	3.869	ng	99

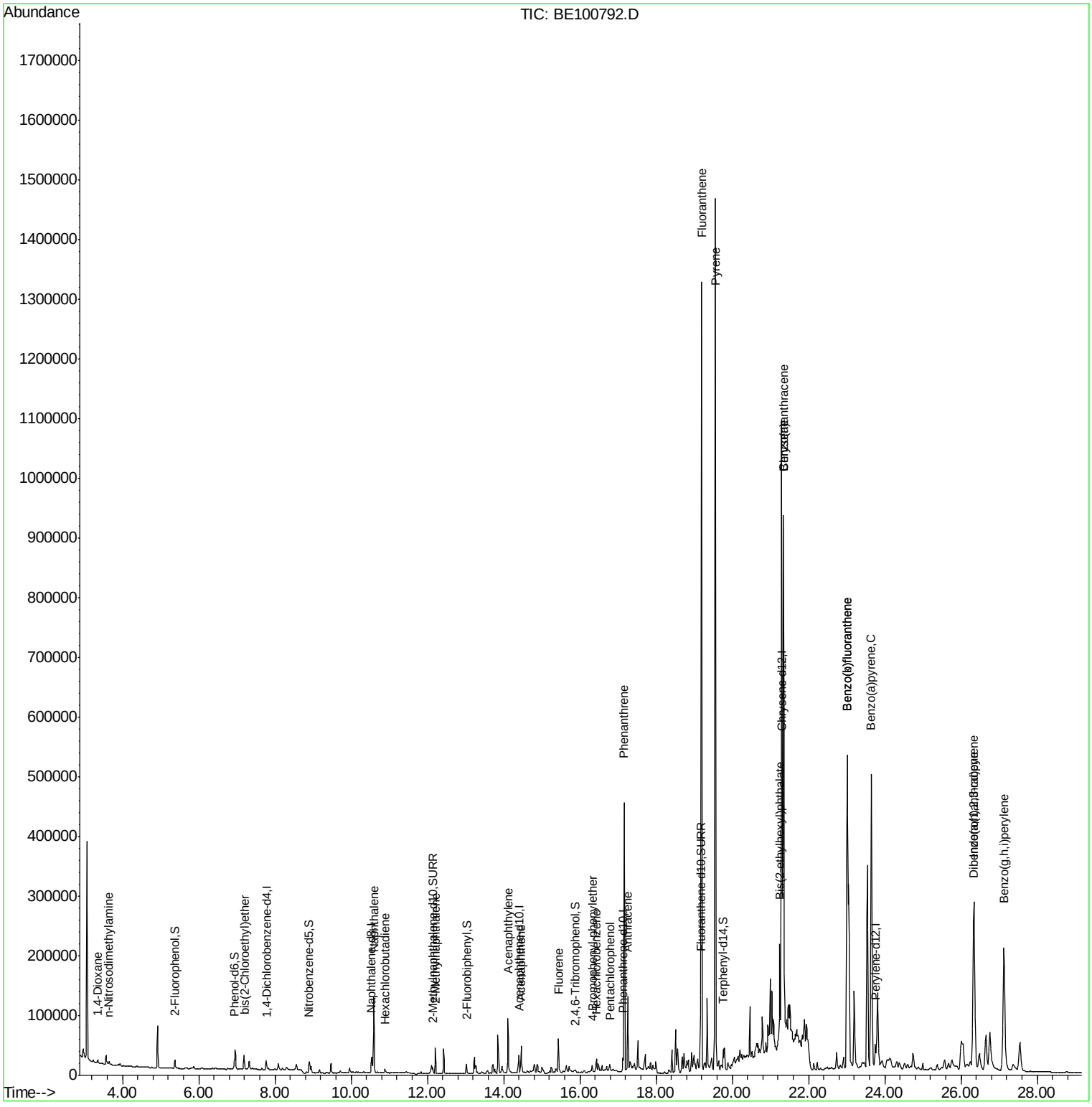
(#) = qualifier out of range (m) = manual integration (+) = signals summed

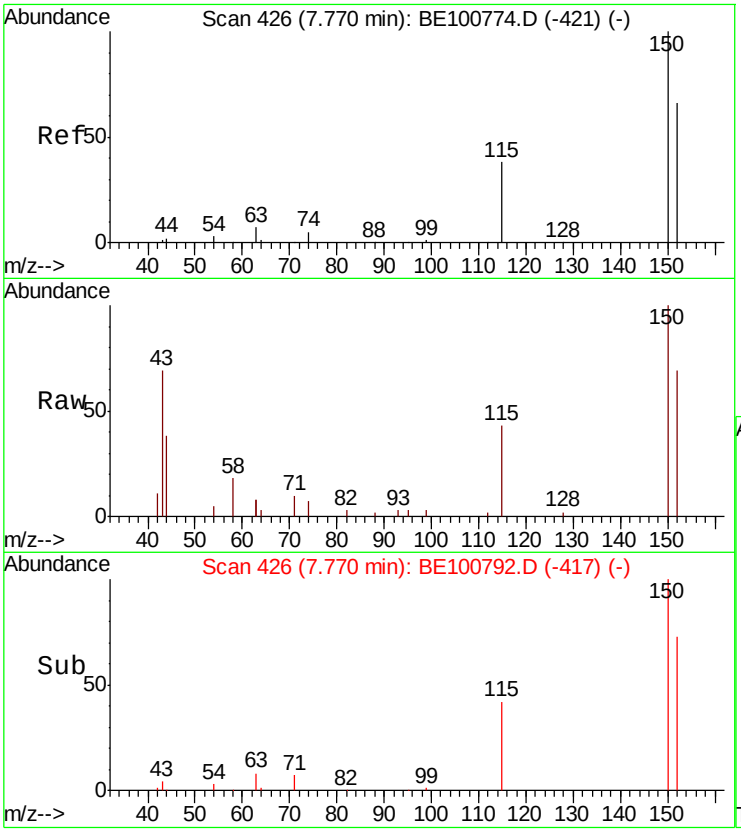
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\
Data File : BE100792.D
Acq On : 5 Dec 2019 17:00
Operator : JU
Sample : K6053-02MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Dec 05 18:03:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 04 17:18:11 2019
Response via : Initial Calibration



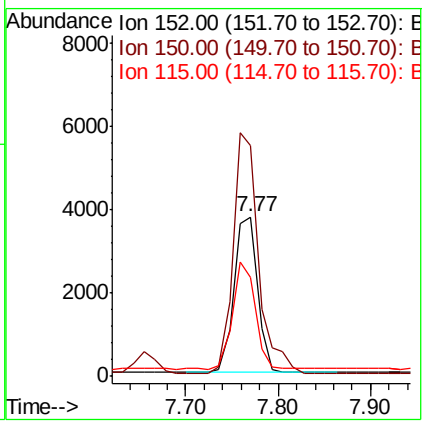


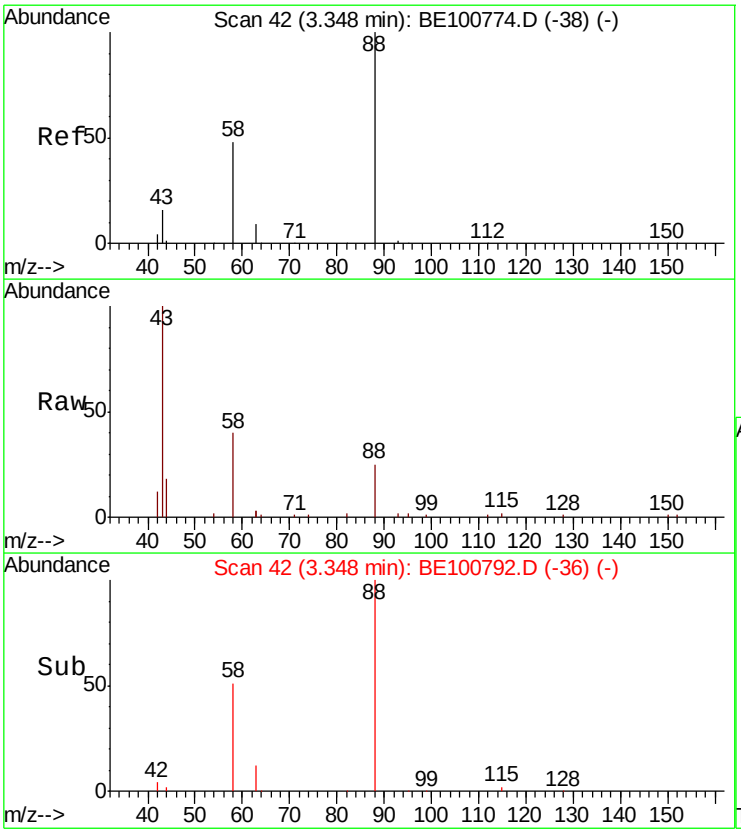
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 6619

Ion	Ratio	Lower	Upper
152	100		
150	145.0	120.6	181.0
115	61.9	47.4	71.2

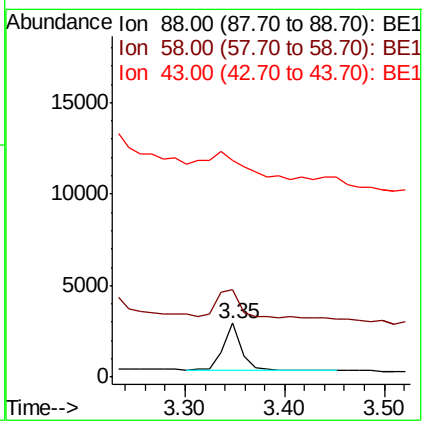


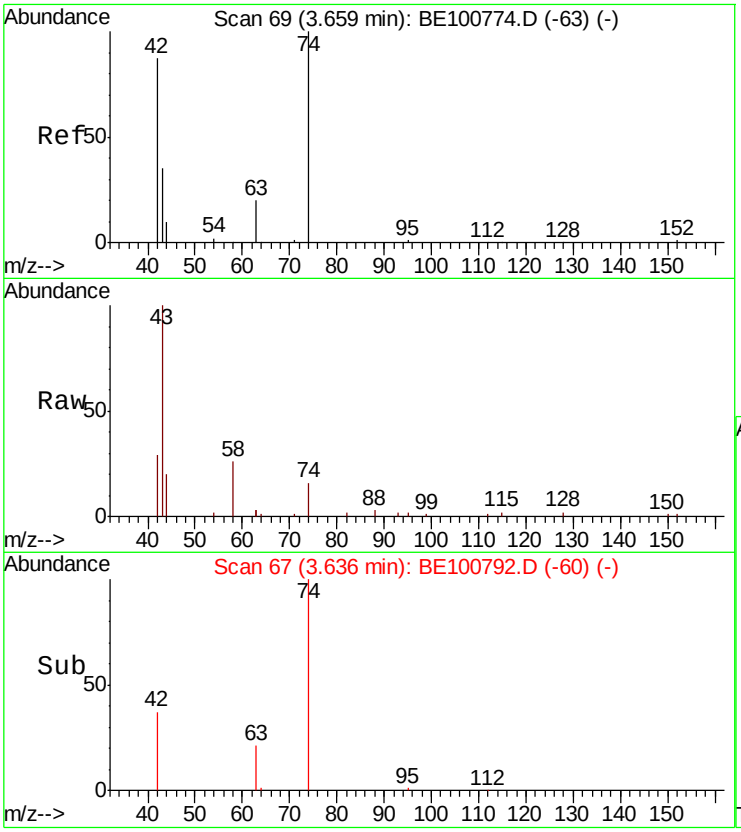


#2
1,4-Dioxane
Concen: 0.266 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion: 88 Resp: 3206

Ion	Ratio	Lower	Upper
88	100		
58	79.8	52.5	78.7#
43	88.5	23.0	34.6#

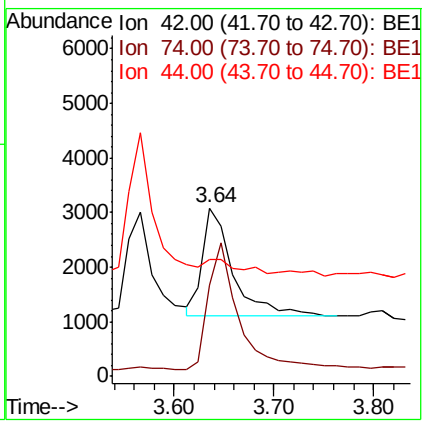




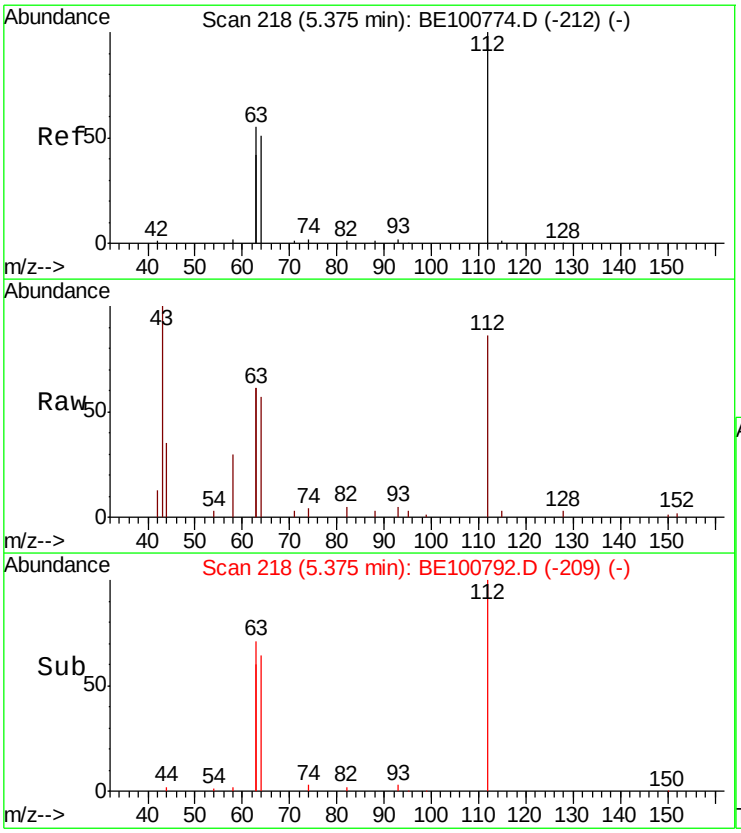
#3
n-Nitrosodimethylamine
Concen: 0.423 ng
RT: 3.64 min Scan# 67
Delta R.T. -0.02 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion: 42 Resp: 4157

Ion	Ratio	Lower	Upper
42	100		
74	120.8	86.3	129.5
44	11.4	11.6	17.4#



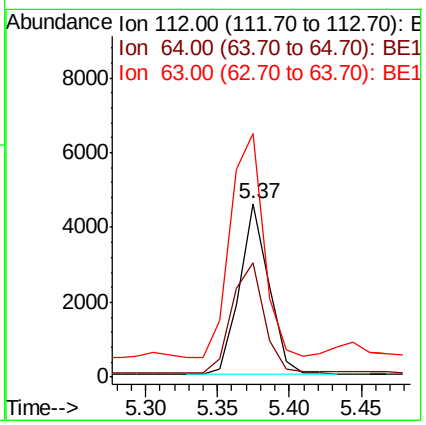
Instrument :
BNA_E
ClientSampleId :

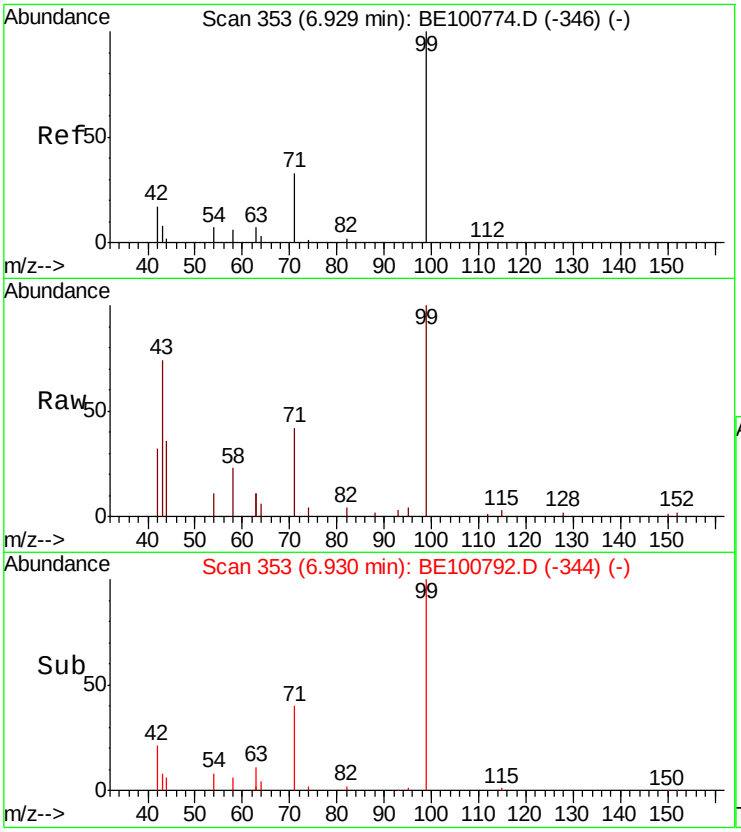


#4
2-Fluorophenol
Concen: 0.415 ng
RT: 5.37 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:112 Resp: 6515

Ion	Ratio	Lower	Upper
112	100		
64	70.5	54.1	81.1
63	146.0	113.2	169.8



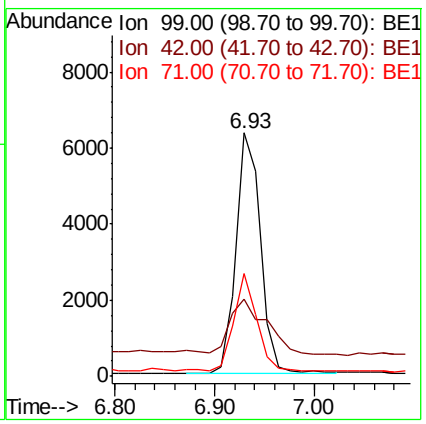


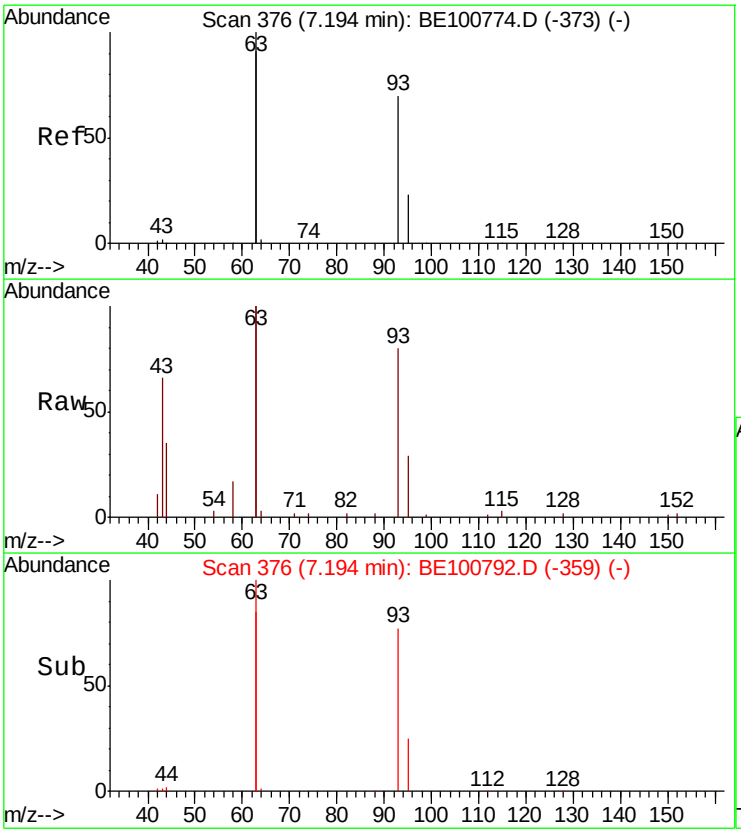
#5
Phenol-d6
Concen: 0.451 ng
RT: 6.93 min Scan# 353
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 10691

Ion	Ratio	Lower	Upper
99	100		
42	35.3	19.1	28.7#
71	38.0	27.7	41.5

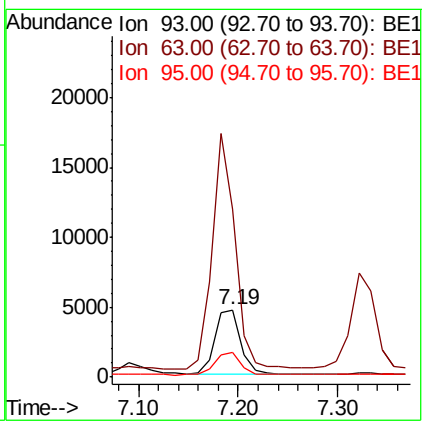


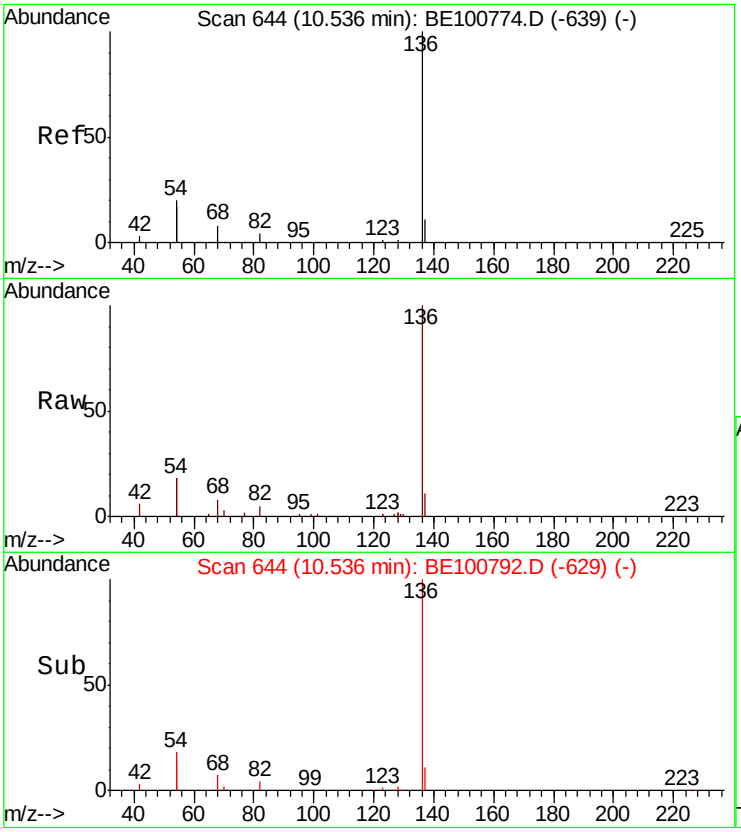


#6
bis(2-Chloroethyl)ether
Concen: 0.366 ng
RT: 7.19 min Scan# 376
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion: 93 Resp: 8394

Ion	Ratio	Lower	Upper
93	100		
63	316.4	259.4	389.0
95	33.8	26.2	39.2



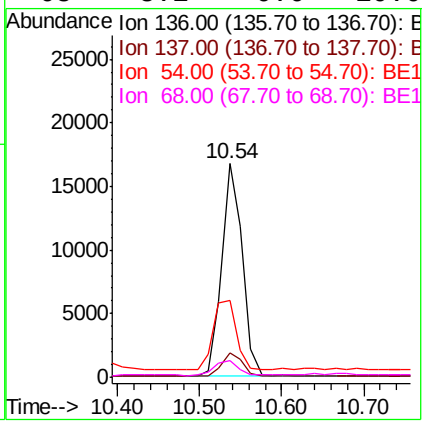


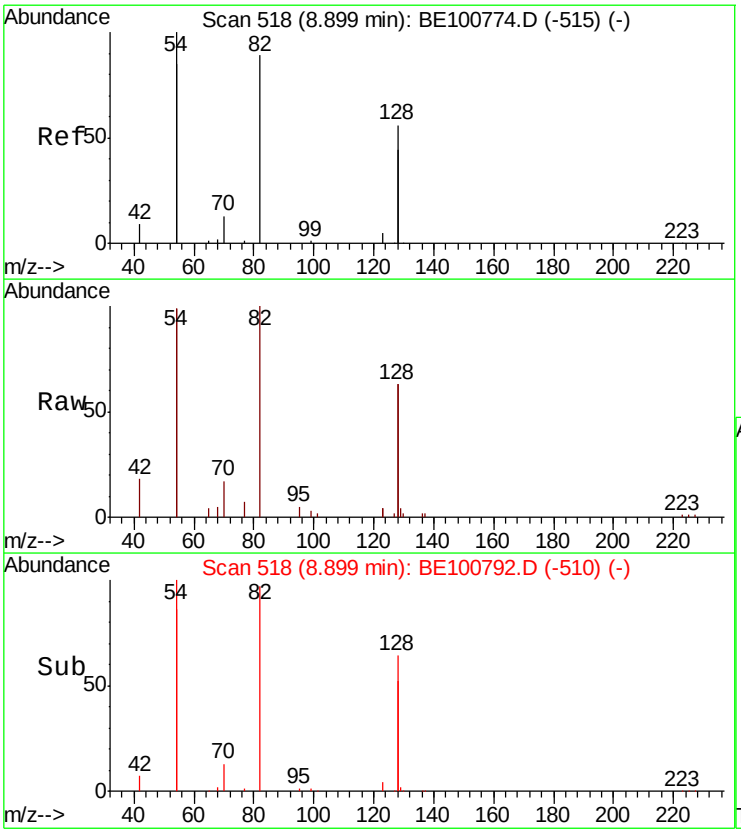
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.54 min Scan# 644
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 29064

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.4	14.0
54	35.7	31.1	46.7
68	8.1	6.6	10.0

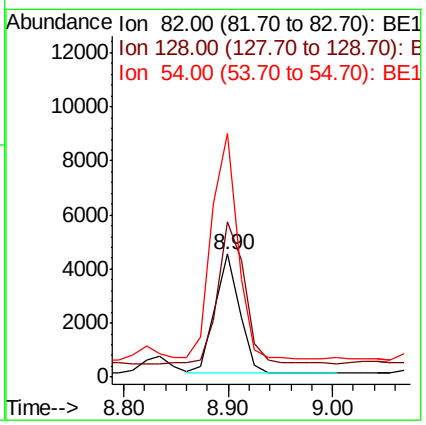


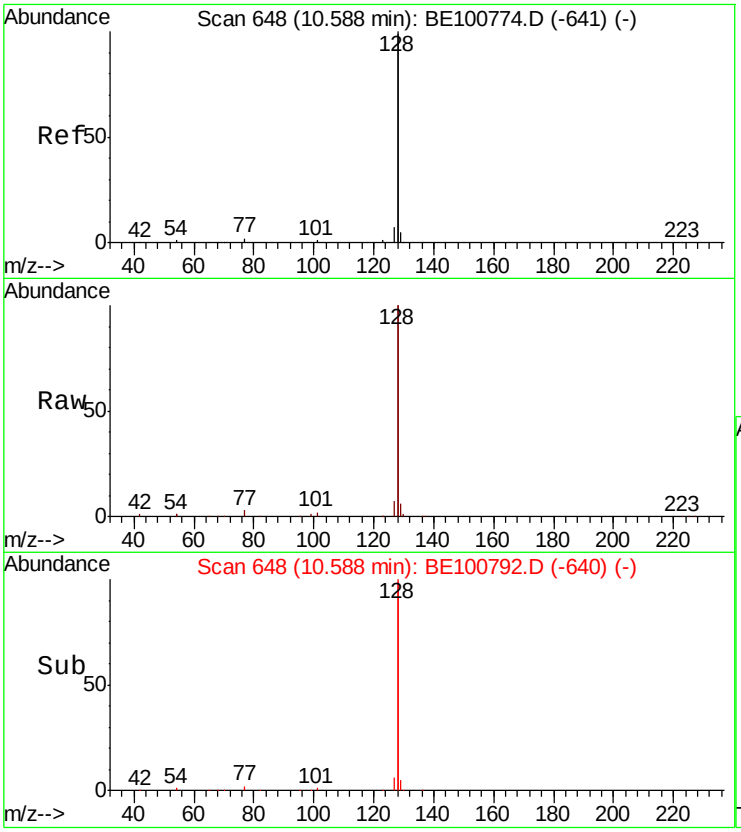


#8
Nitrobenzene-d5
Concen: 0.518 ng
RT: 8.90 min Scan# 518
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion: 82 Resp: 7175

Ion	Ratio	Lower	Upper
82	100		
128	126.2	97.0	145.4
54	198.5	171.8	257.6



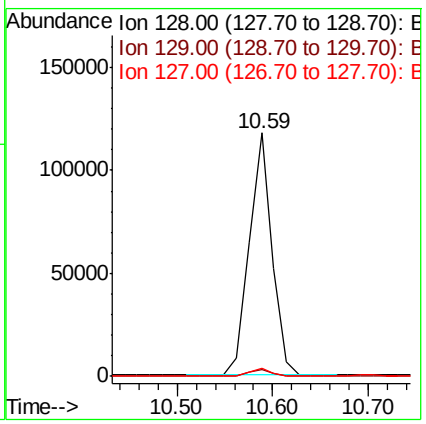


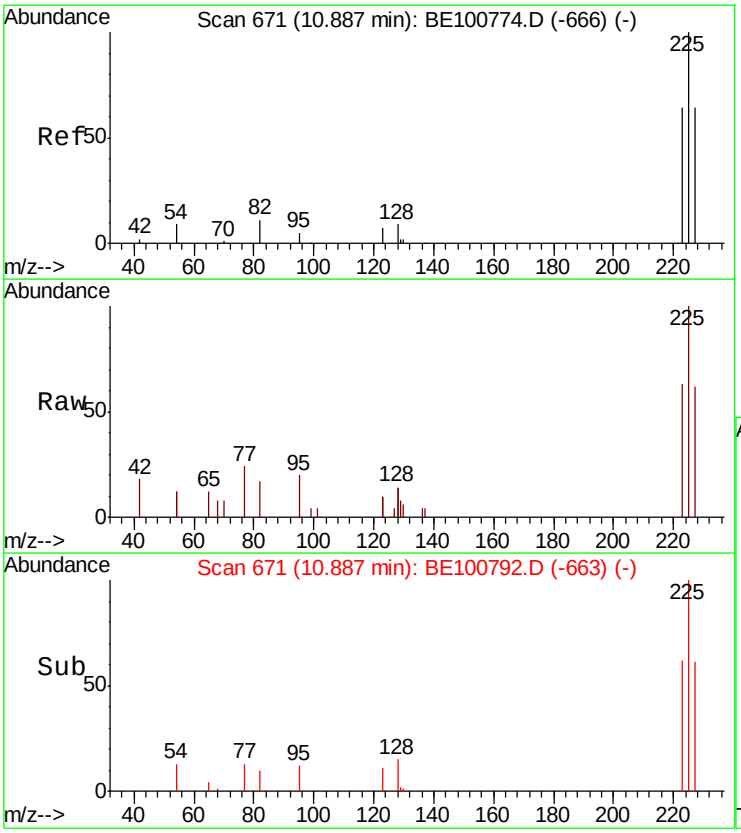
#9
Naphthalene
Concen: 0.630 ng
RT: 10.59 min Scan# 648
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 194521

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.2	3.4
127	3.3	2.7	4.1

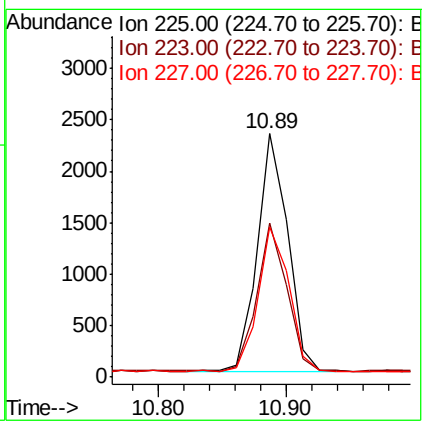


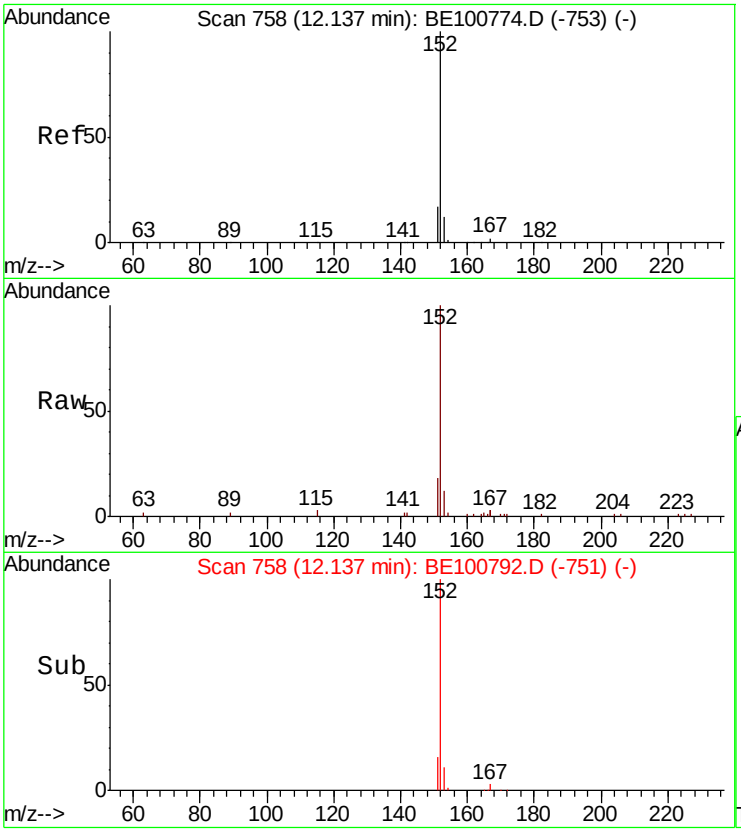


#10
Hexachlorobutadiene
Concen: 0.317 ng
RT: 10.89 min Scan# 671
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:225 Resp: 3812

Ion	Ratio	Lower	Upper
225	100		
223	60.7	49.9	74.9
227	61.1	52.2	78.4



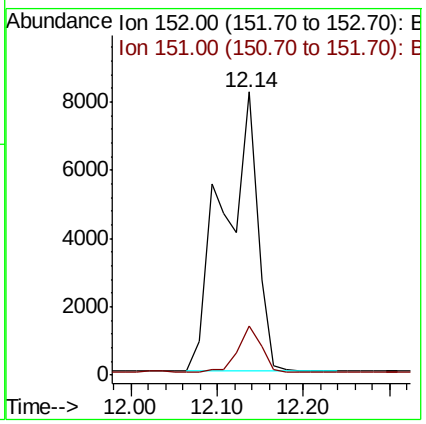


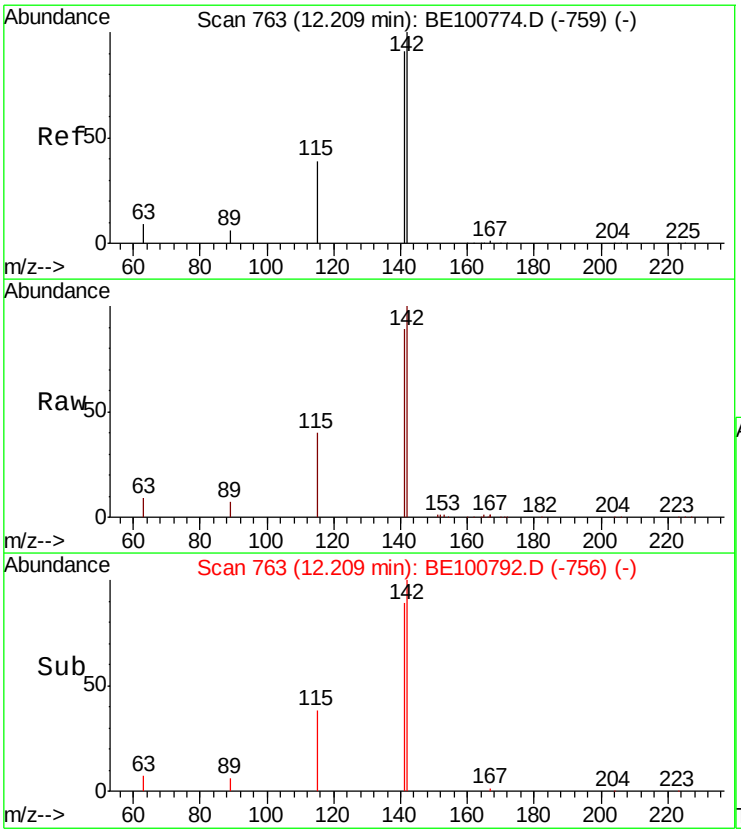
#11
2-Methylnaphthalene-d10
Concen: 0.536 ng
RT: 12.14 min Scan# 758
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 22570

Ion	Ratio	Lower	Upper
152	100		
151	11.3	15.8	23.8#

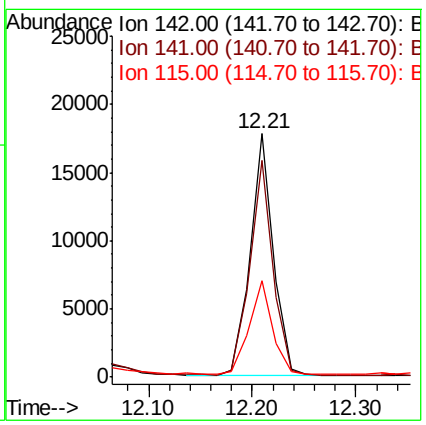


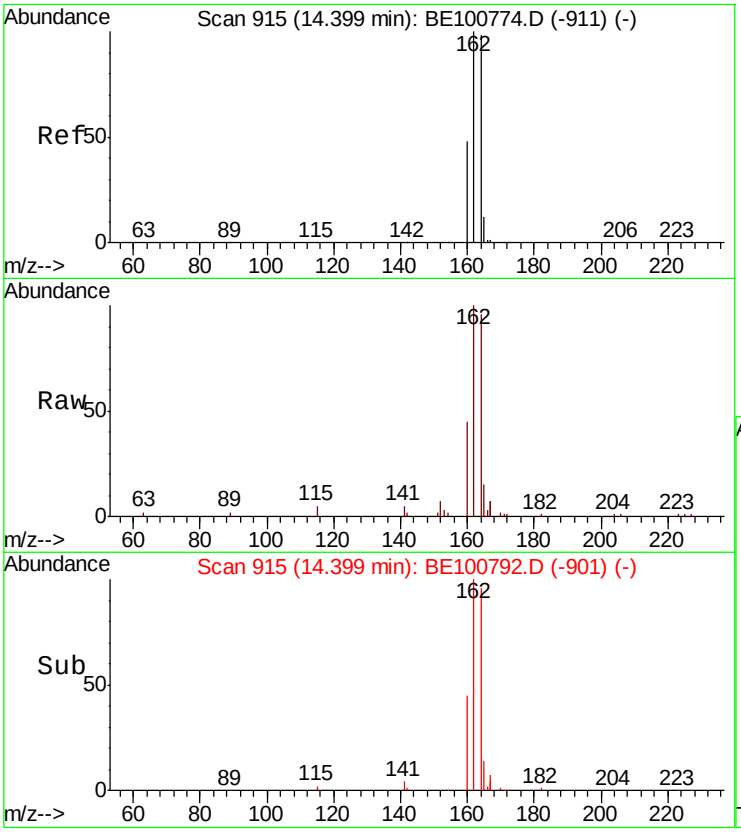


#12
2-Methylnaphthalene
Concen: 0.570 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:142 Resp: 27495

Ion	Ratio	Lower	Upper
142	100		
141	89.1	72.6	108.8
115	39.7	31.8	47.6



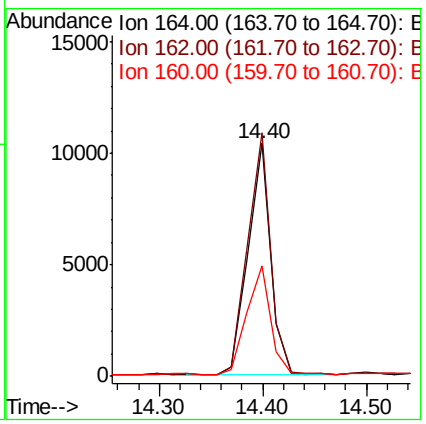


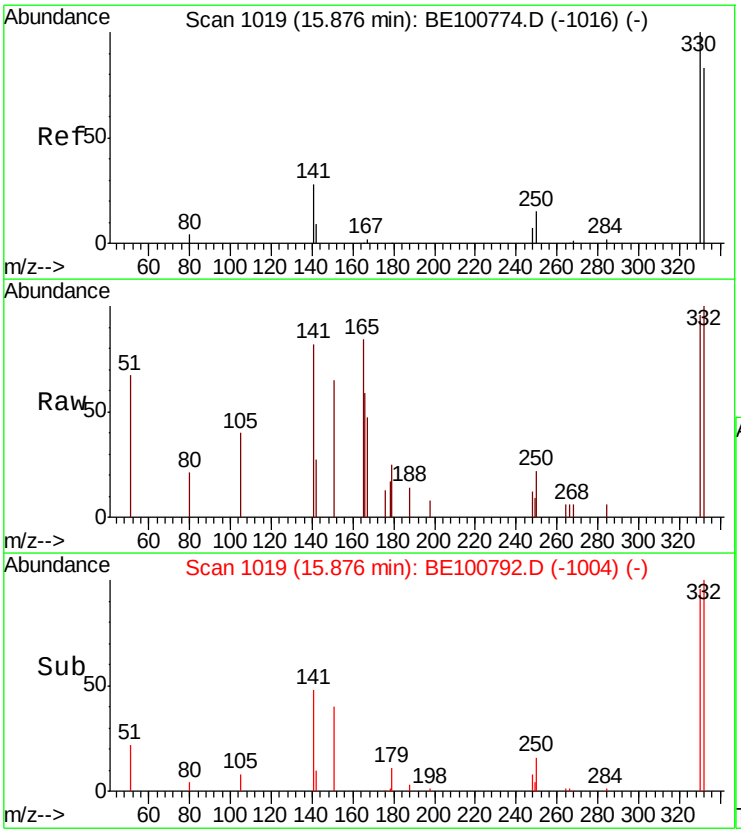
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 15719

Ion	Ratio	Lower	Upper
164	100		
162	104.5	81.4	122.0
160	47.4	39.4	59.0

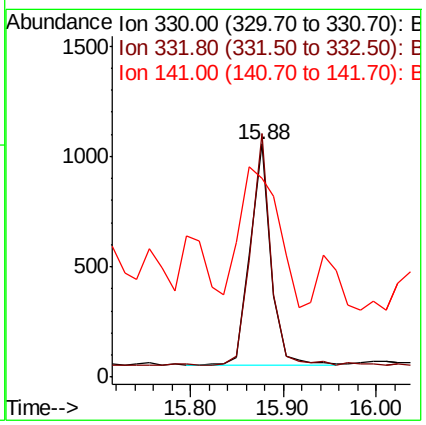


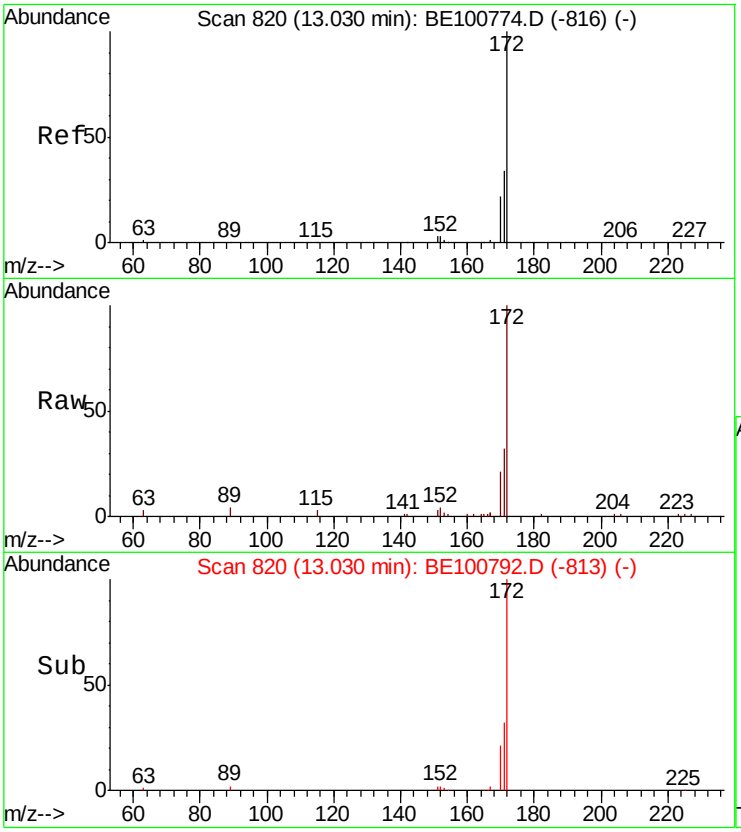


#14
2,4,6-Tribromophenol
Concen: 0.895 ng
RT: 15.88 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:330 Resp: 1564

Ion	Ratio	Lower	Upper
330	100		
332	103.1	69.4	104.2
141	116.2	51.1	76.7#



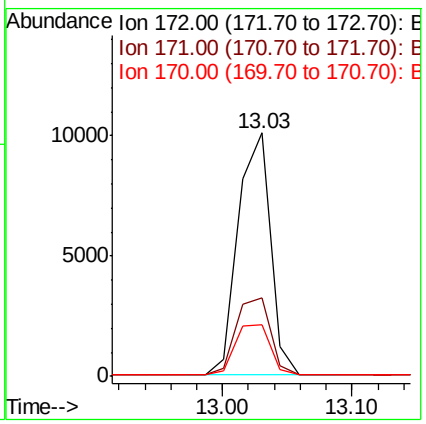


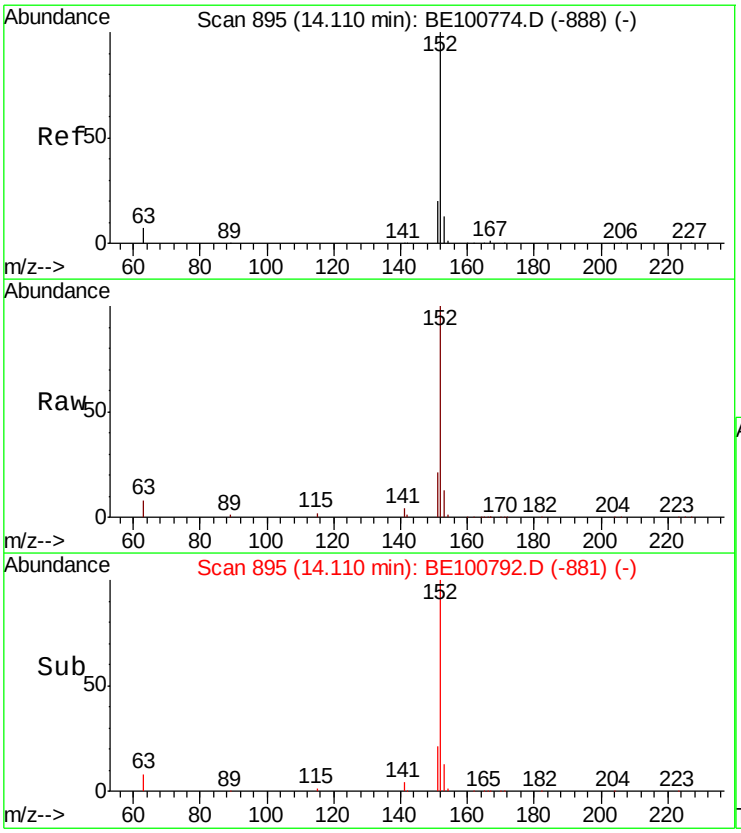
#15
2-Fluorobiphenyl
Concen: 0.279 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 17377

Ion	Ratio	Lower	Upper
172	100		
171	32.1	27.2	40.8
170	21.4	18.0	27.0

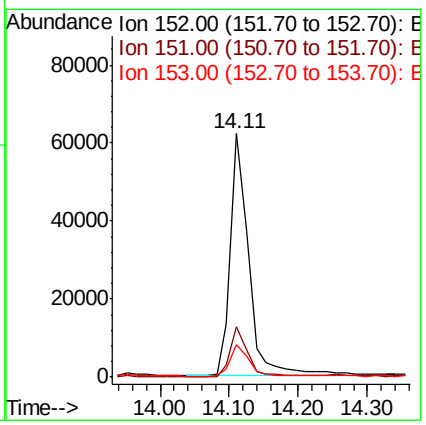


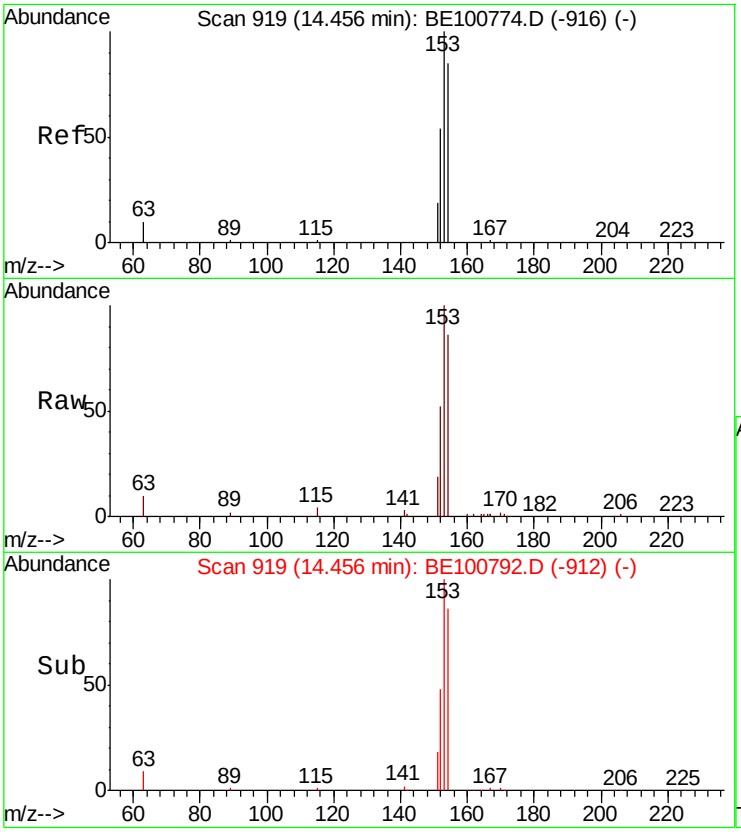


#16
Acenaphthylene
Concen: 1.745 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:152 Resp: 113478

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	13.4	10.4	15.6



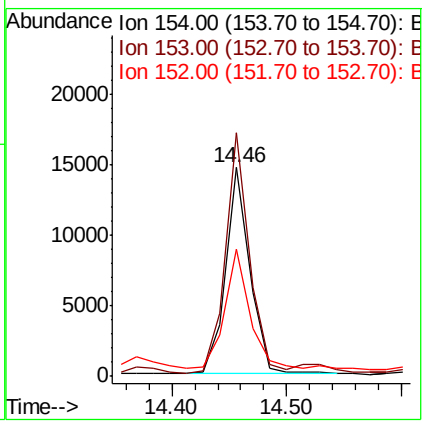


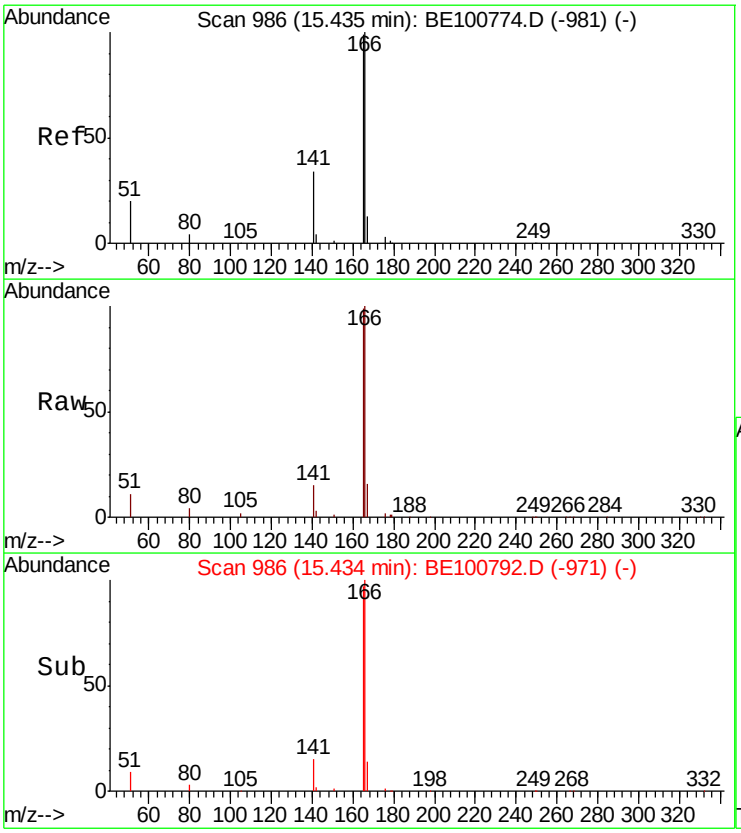
#17
Acenaphthene
Concen: 0.477 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 21358

Ion	Ratio	Lower	Upper
154	100		
153	114.7	92.2	138.2
152	57.9	49.1	73.7

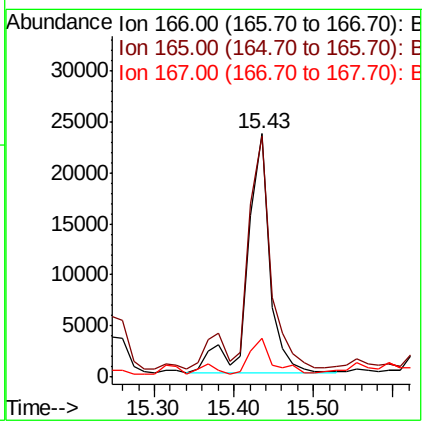


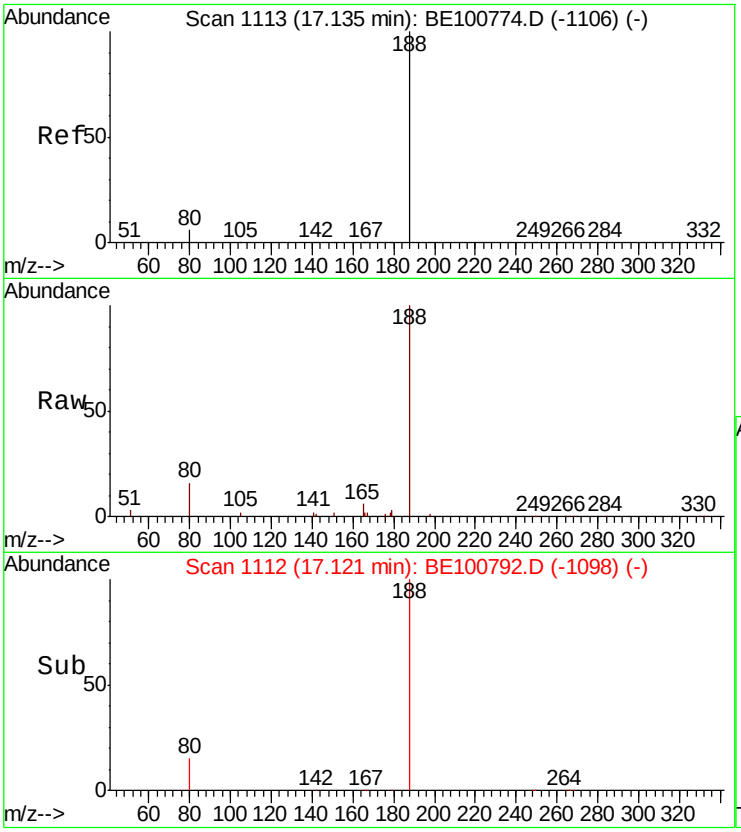


#18
Fluorene
Concen: 0.786 ng
RT: 15.43 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:166 Resp: 45403

Ion	Ratio	Lower	Upper
166	100		
165	109.7	80.5	120.7
167	15.0	10.7	16.1



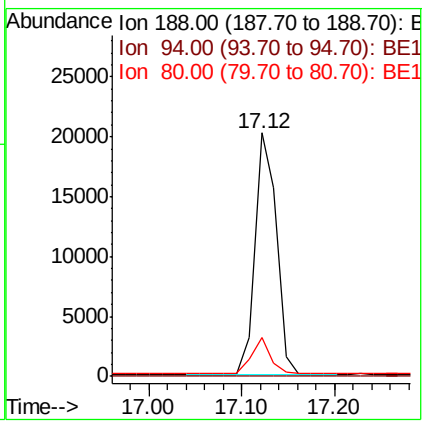


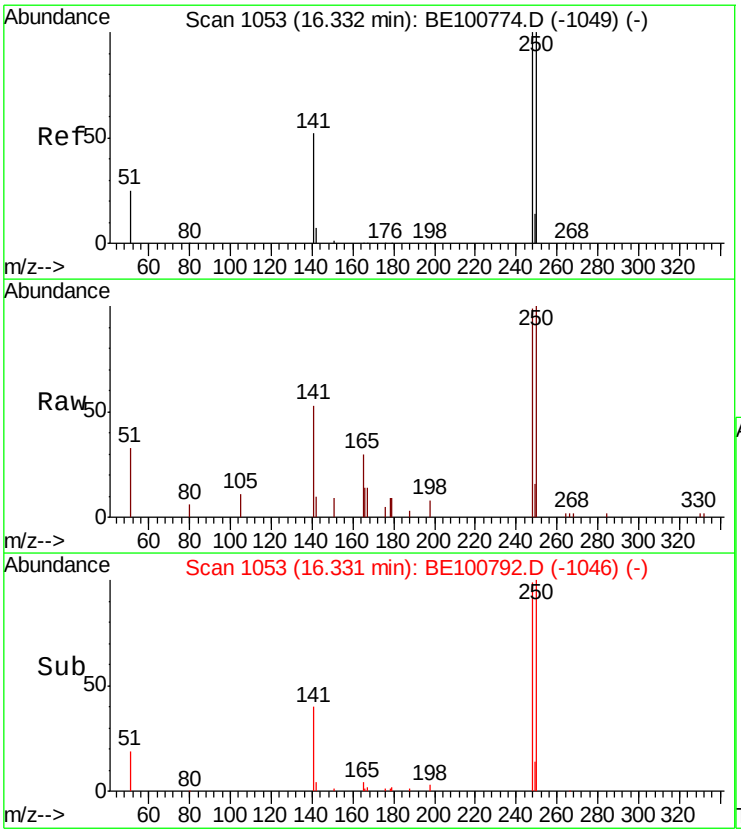
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.12 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 32727

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	16.0	5.2	7.8#

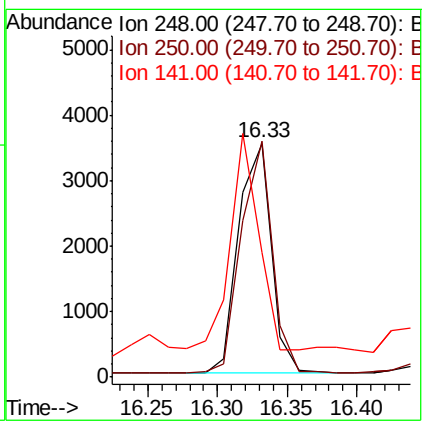


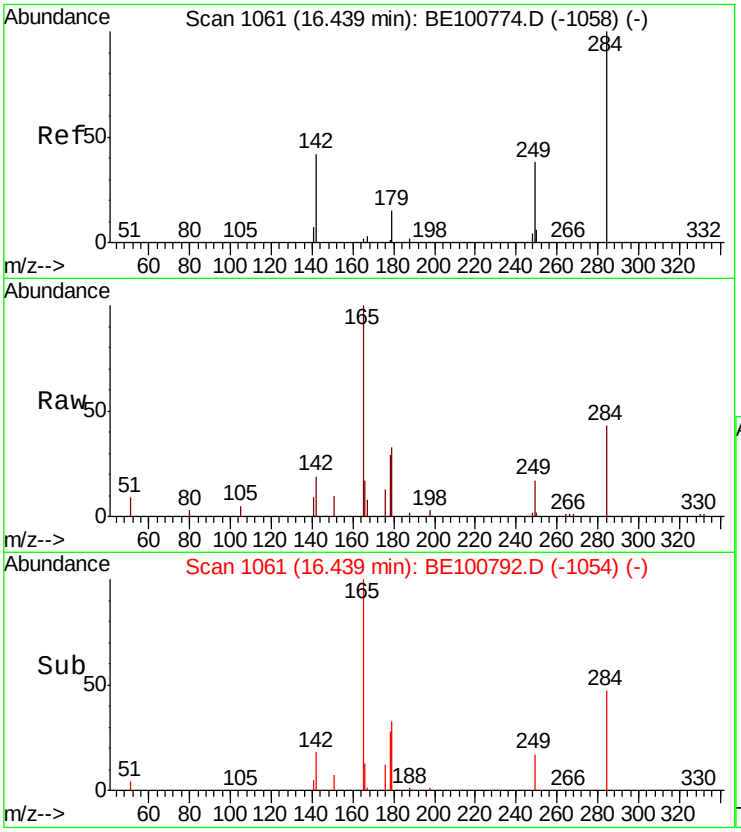


#20
4-Bromophenyl-phenylether
Concen: 0.358 ng
RT: 16.33 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:248 Resp: 5741

Ion	Ratio	Lower	Upper
248	100		
250	100.9	80.5	120.7
141	53.5	42.6	64.0



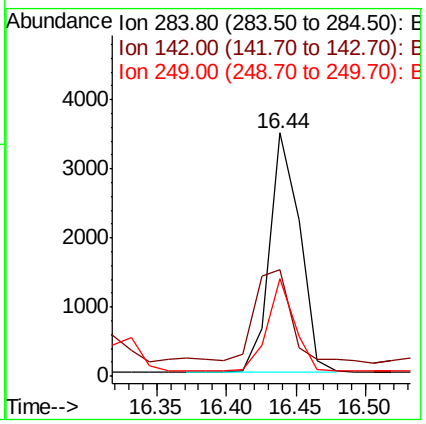


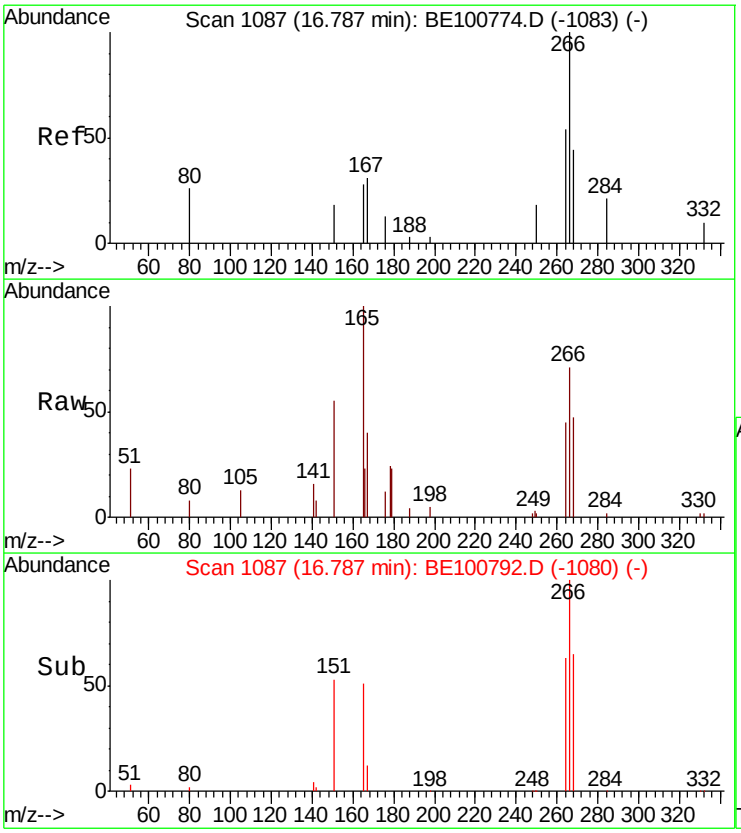
#21
Hexachlorobenzene
Concen: 0.299 ng
RT: 16.44 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 5224

Ion	Ratio	Lower	Upper
284	100		
142	44.0	34.4	51.6
249	35.0	28.5	42.7

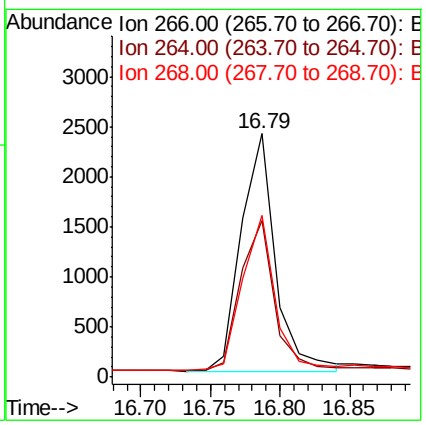


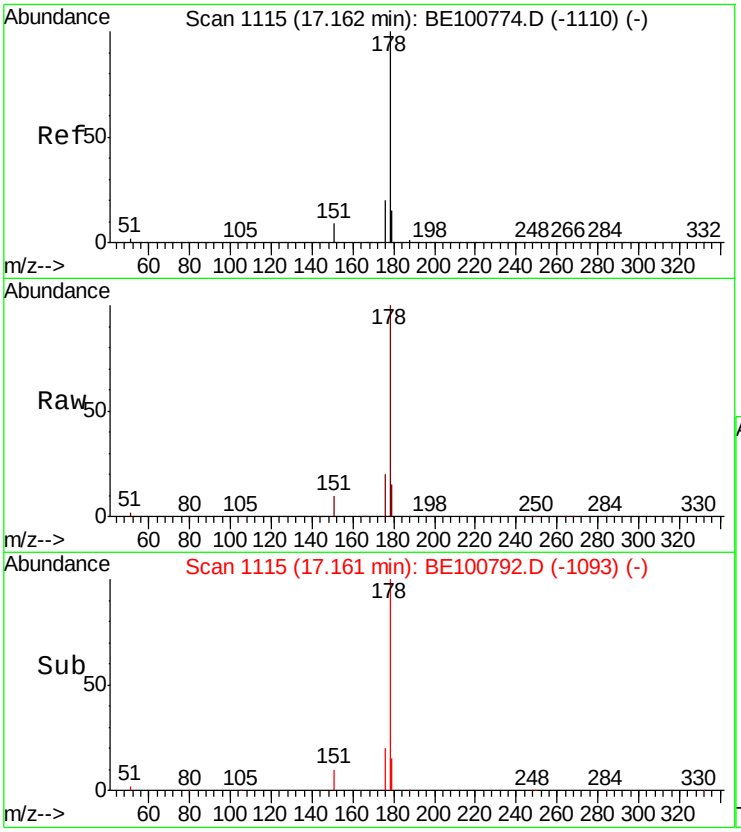


#22
Pentachlorophenol
Concen: 3.357 ng
RT: 16.79 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:266 Resp: 4050

Ion	Ratio	Lower	Upper
266	100		
264	64.3	63.4	95.0
268	66.1	65.8	98.8



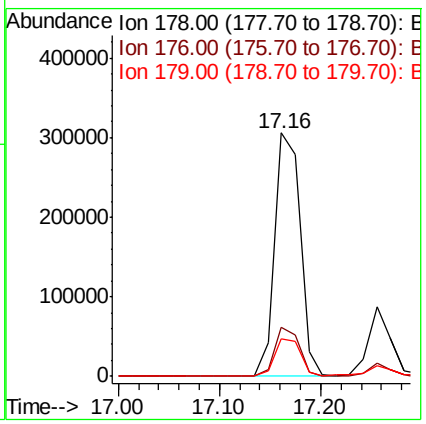


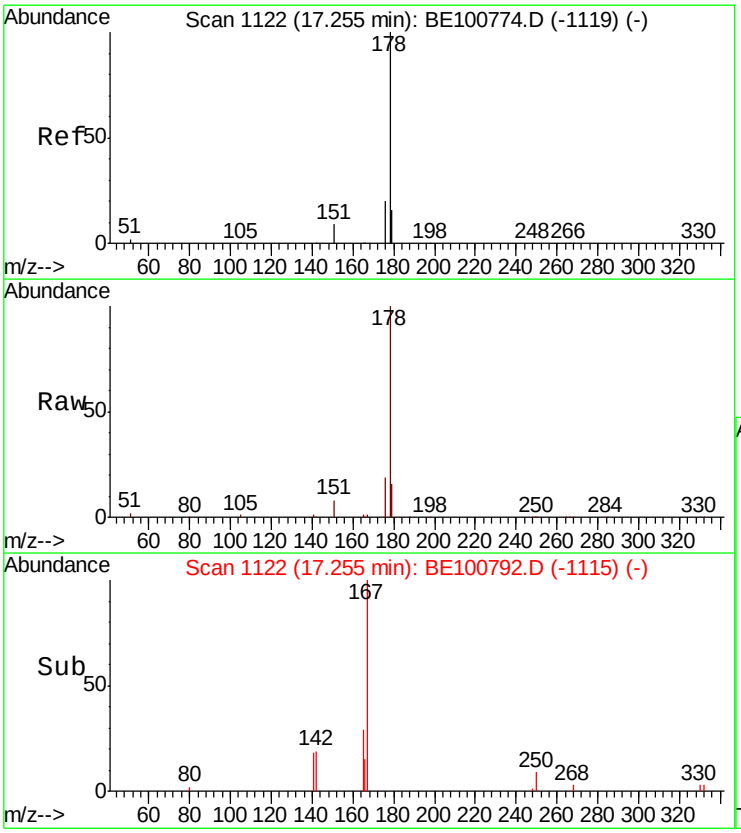
#23
Phenanthrene
Concen: 5.355 ng
RT: 17.16 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 530838

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.7	12.3	18.5

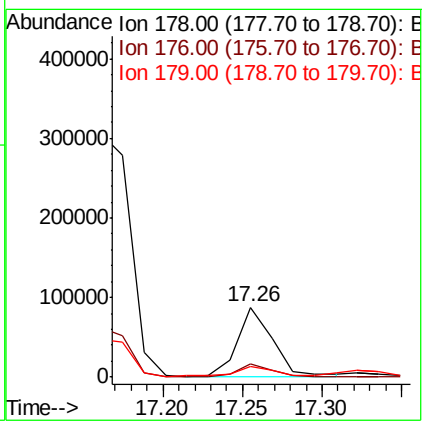


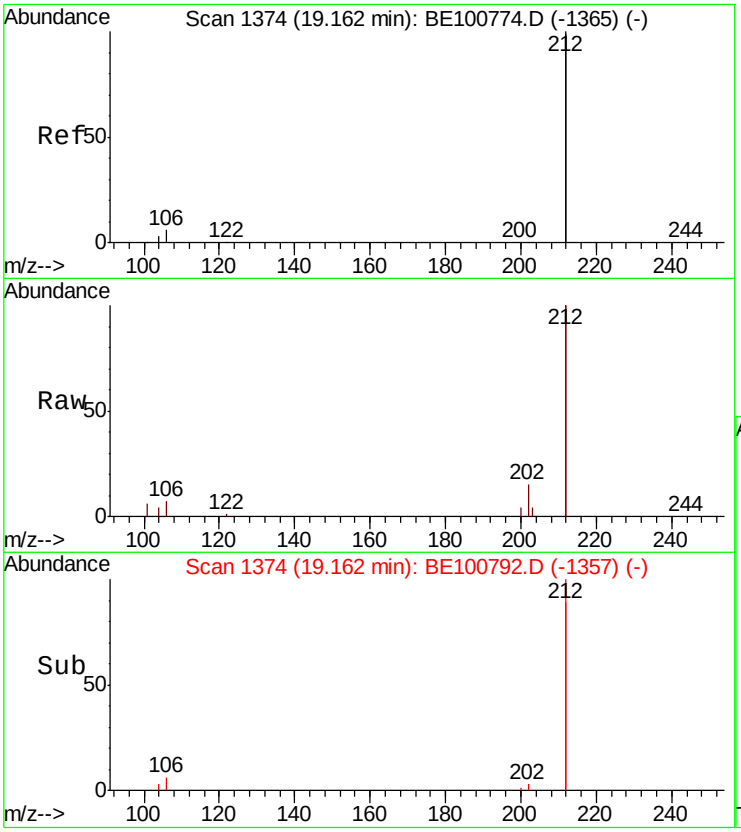


#24
Anthracene
Concen: 1.620 ng
RT: 17.26 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:178 Resp: 134297

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	13.9	12.7	19.1



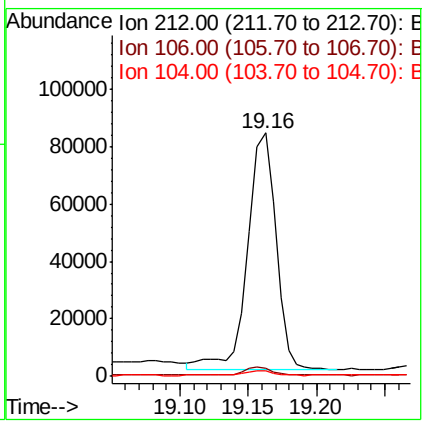


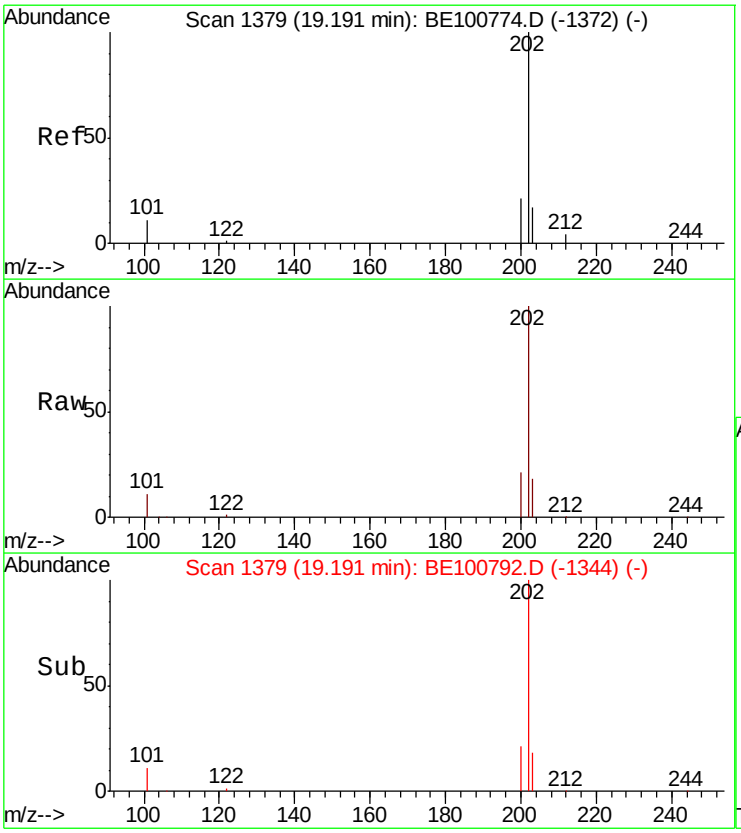
#25
Fluoranthene-d10
Concen: 0.307 ng
RT: 19.16 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 118680

Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.6	3.8
104	2.4	1.4	2.2#

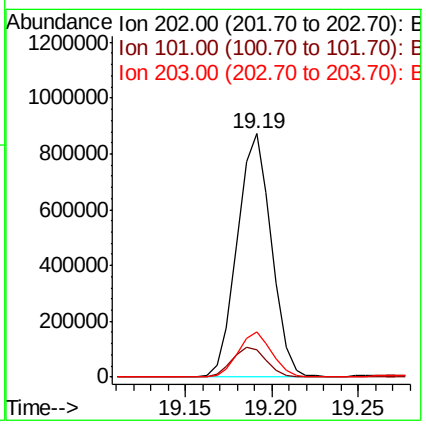


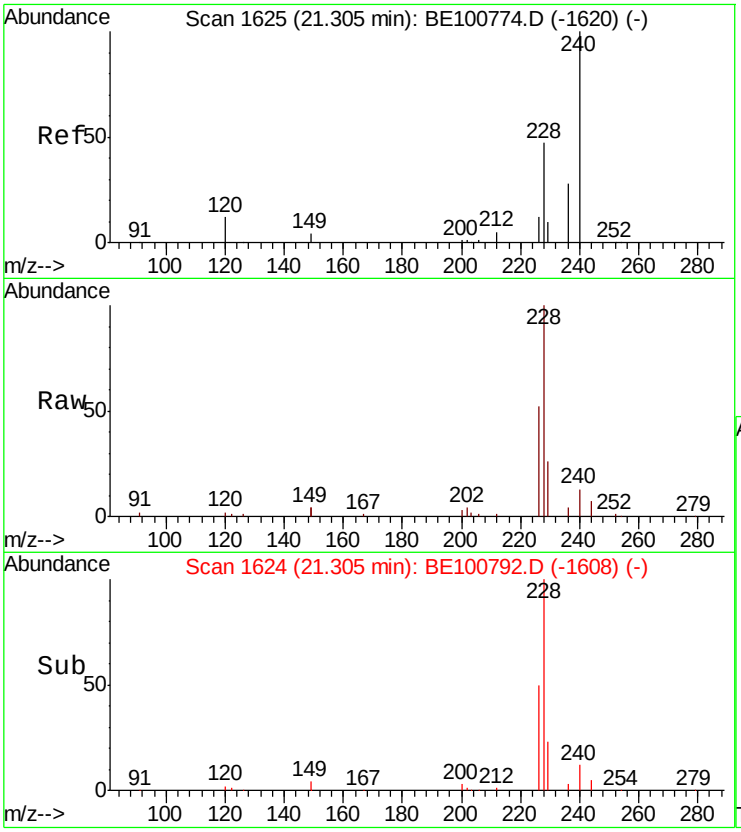


#26
Fluoranthene
Concen: 10.137 ng
RT: 19.19 min Scan# 1379
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:202 Resp: 1199353

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.1	13.7
203	18.0	13.8	20.6



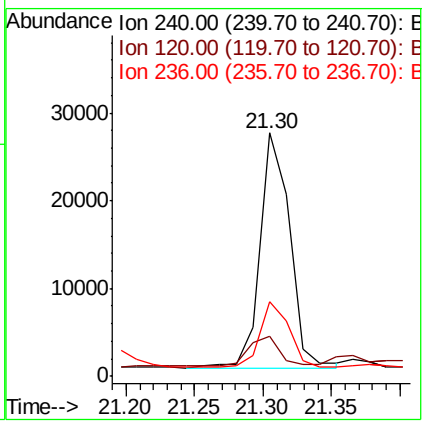


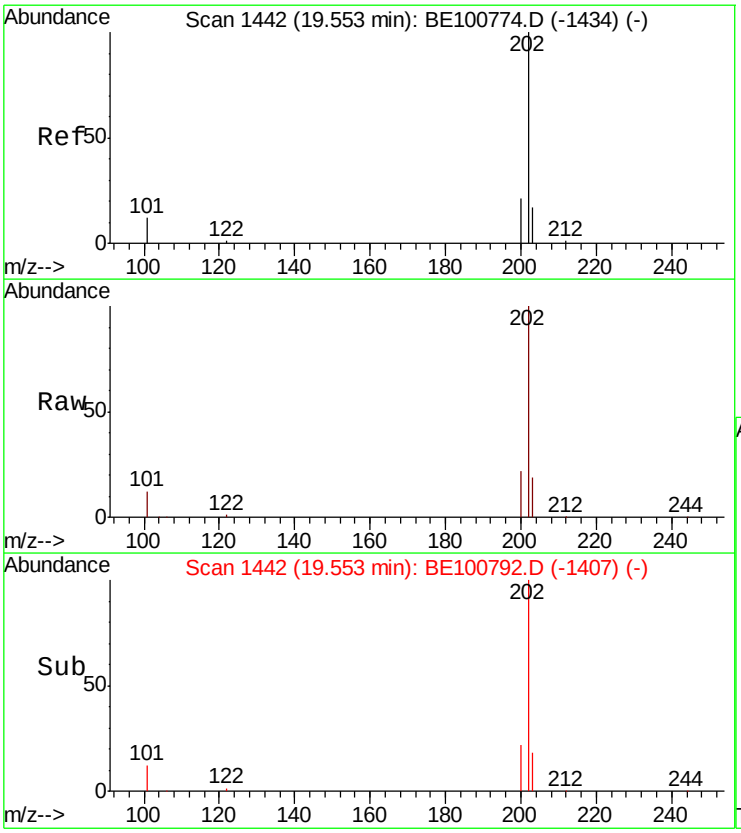
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.30 min Scan# 1624
Delta R.T. -0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 39971

Ion	Ratio	Lower	Upper
240	100		
120	16.6	10.2	15.2#
236	30.9	22.3	33.5

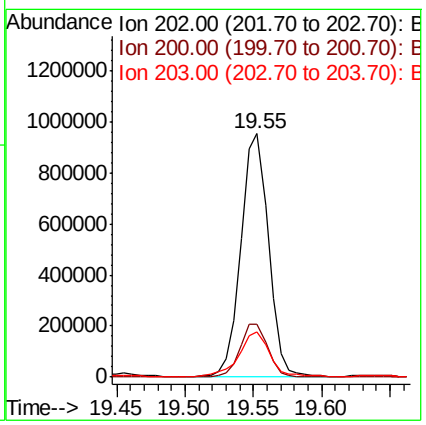


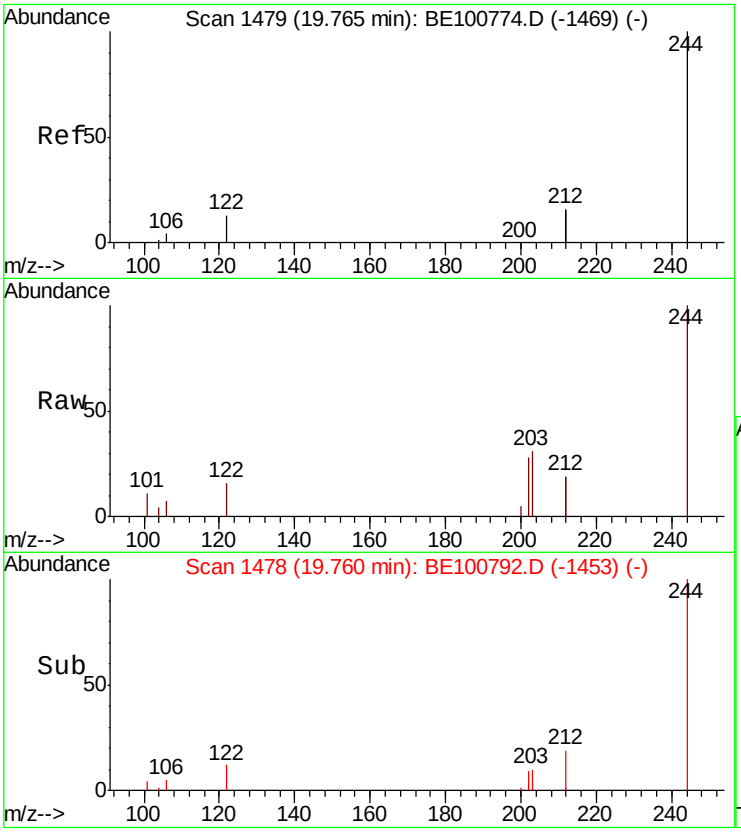


#28
Pyrene
Concen: 10.148 ng
RT: 19.55 min Scan# 1442
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:202 Resp: 1318007

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.0	25.4
203	20.7	13.9	20.9



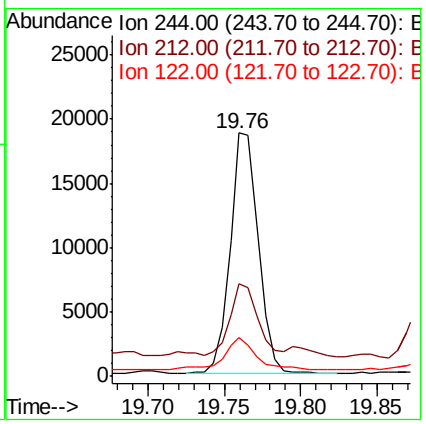


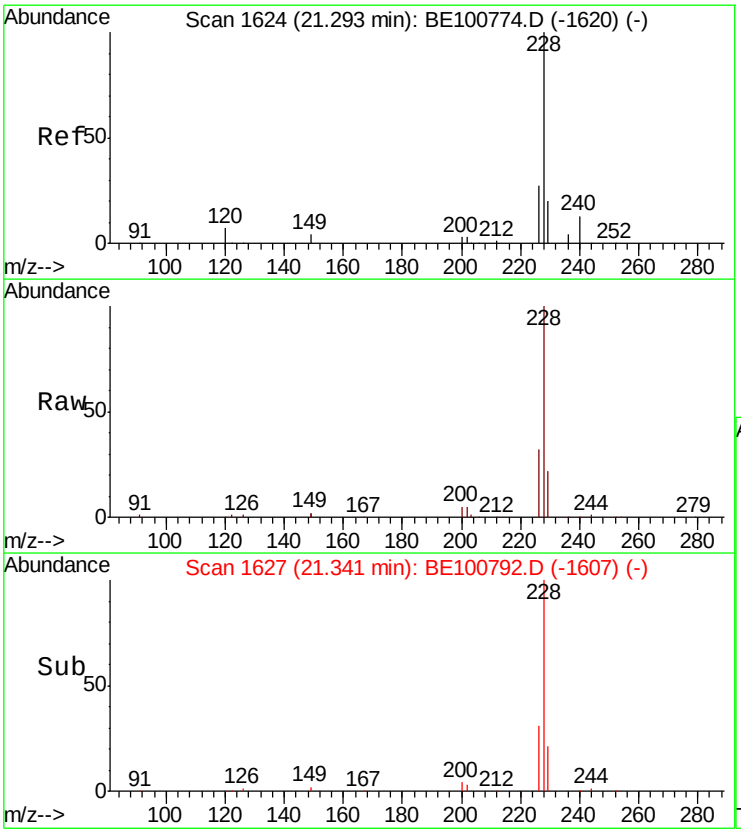
#29
Terphenyl-d14
Concen: 0.250 ng
RT: 19.76 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 23943

Ion	Ratio	Lower	Upper
244	100		
212	38.0	26.2	39.4
122	15.8	10.2	15.4#

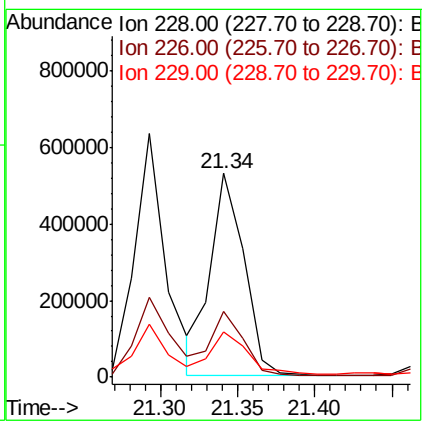


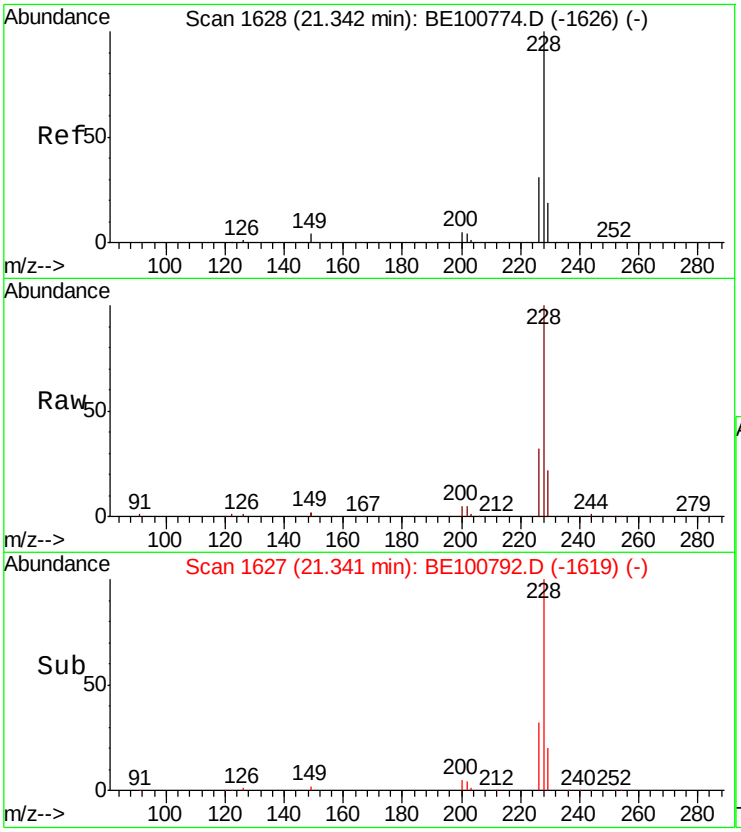


#30
Benzo(a)anthracene
Concen: 6.789 ng
RT: 21.34 min Scan# 1627
Delta R.T. 0.05 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:228 Resp: 799859

Ion	Ratio	Lower	Upper
228	100		
226	32.3	21.5	32.3
229	22.3	16.0	24.0



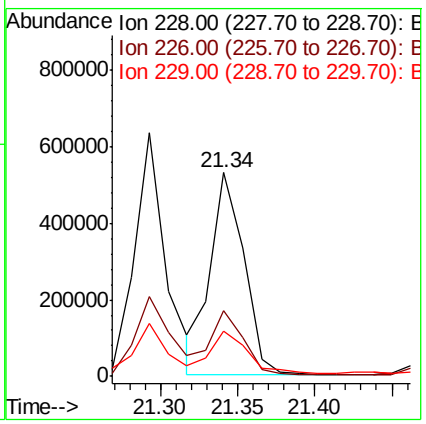


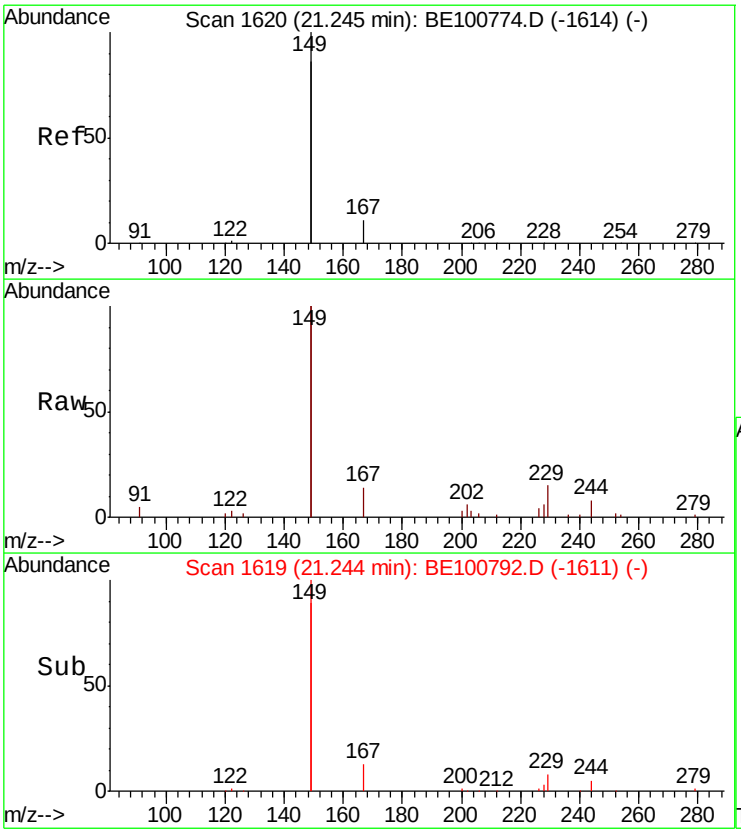
#31
Chrysene
Concen: 5.748 ng
RT: 21.34 min Scan# 1627
Delta R.T. -0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 795739

Ion	Ratio	Lower	Upper
228	100		
226	32.3	25.0	37.4
229	22.3	15.4	23.2

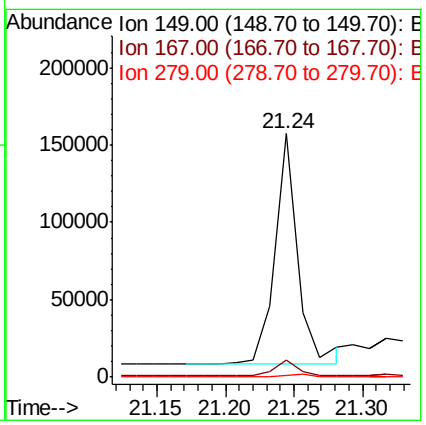


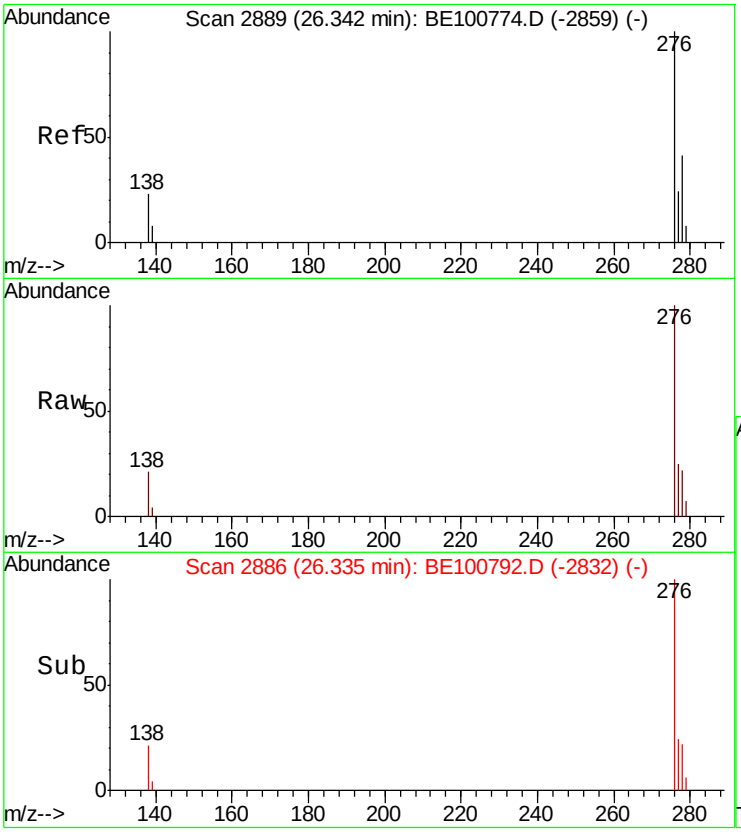


#32
Bis(2-ethylhexyl)phthalate
Concen: 1.639 ng
RT: 21.24 min Scan# 1619
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:149 Resp: 173056

Ion	Ratio	Lower	Upper
149	100		
167	6.1	5.0	7.6
279	0.8	0.7	1.1



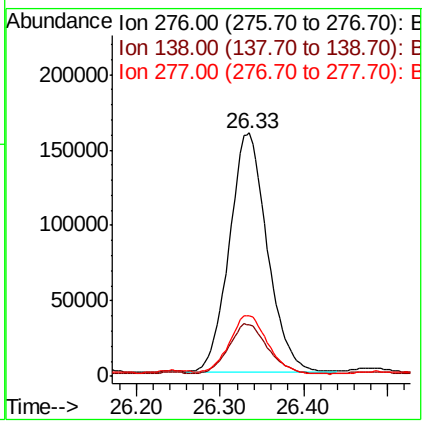


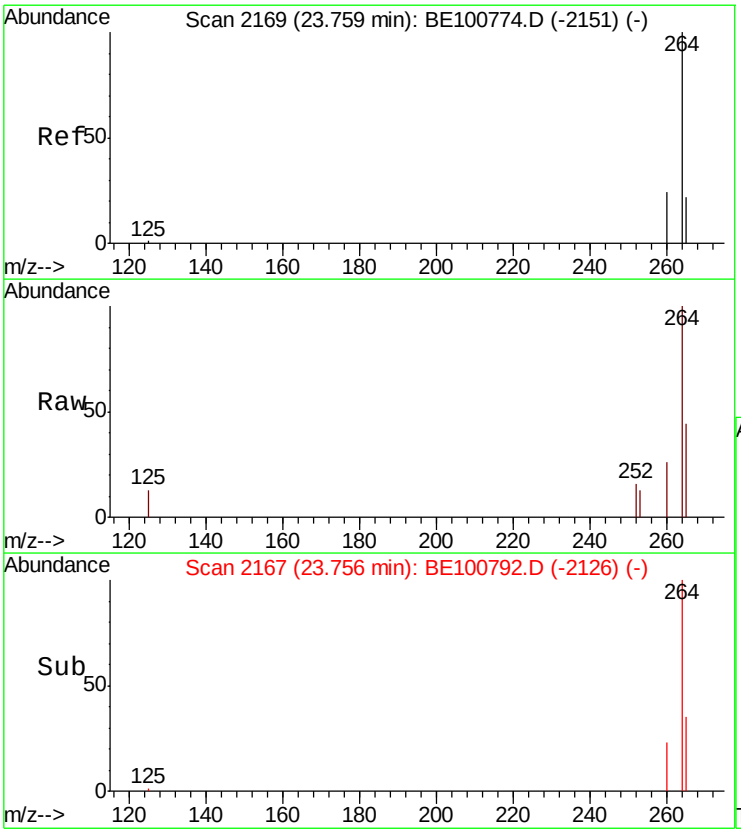
#33
Indeno(1,2,3-cd)pyrene
Concen: 4.123 ng
RT: 26.33 min Scan# 2886
Delta R.T. -0.01 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 497205

Ion	Ratio	Lower	Upper
276	100		
138	21.6	19.4	29.0
277	25.1	19.8	29.6

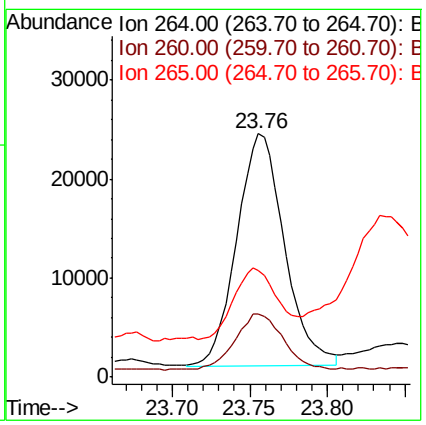


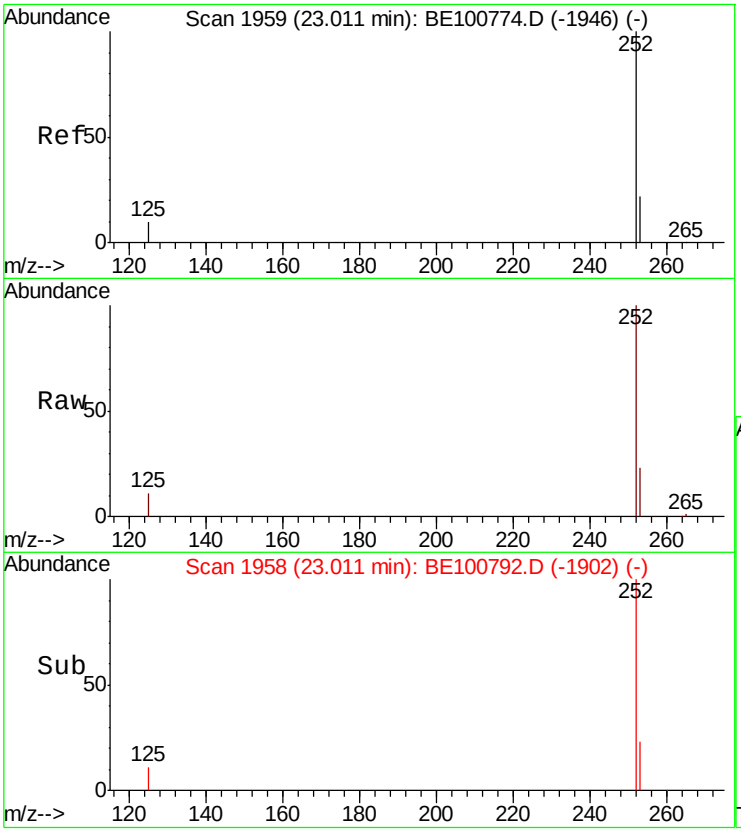


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.76 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:264 Resp: 50333

Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.4	29.2
265	44.0	21.8	32.8#



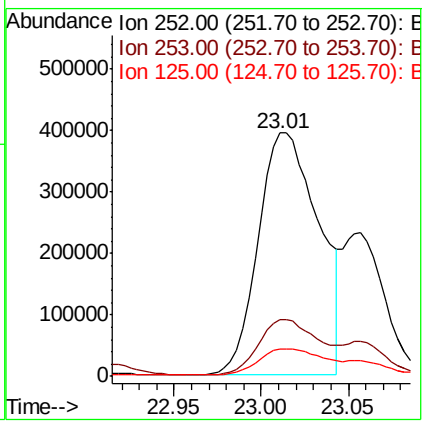


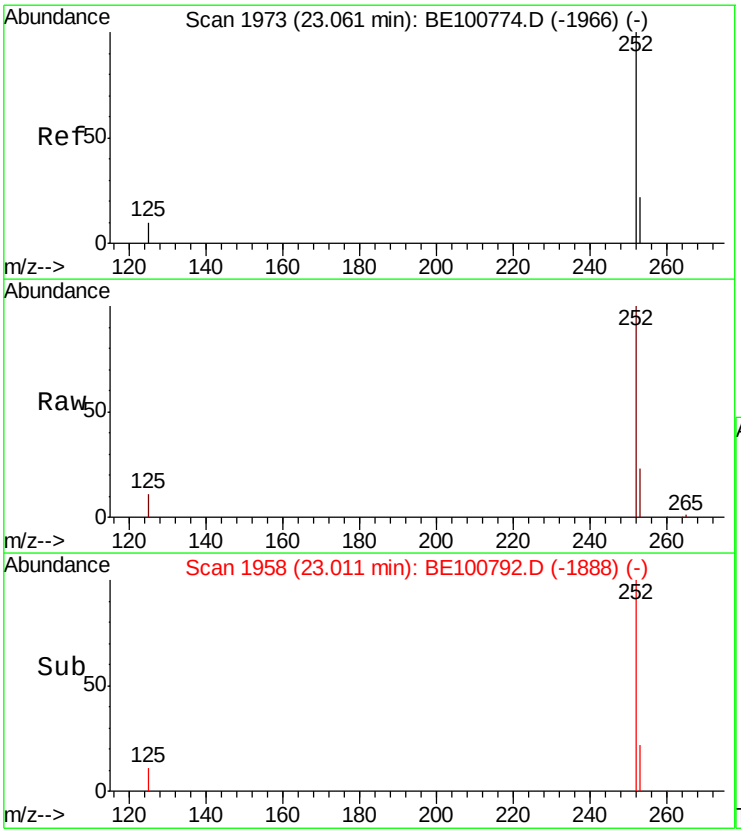
#35
Benzo(b)fluoranthene
Concen: 6.896 ng
RT: 23.01 min Scan# 1958
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 950254

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	11.2	9.0	13.4

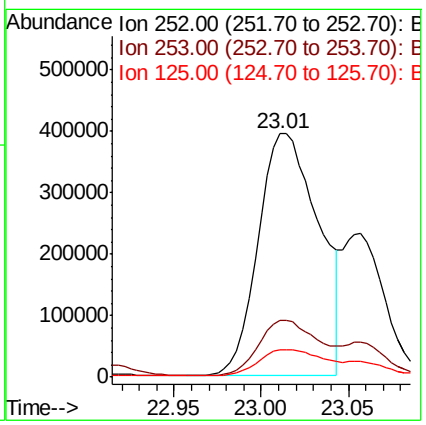


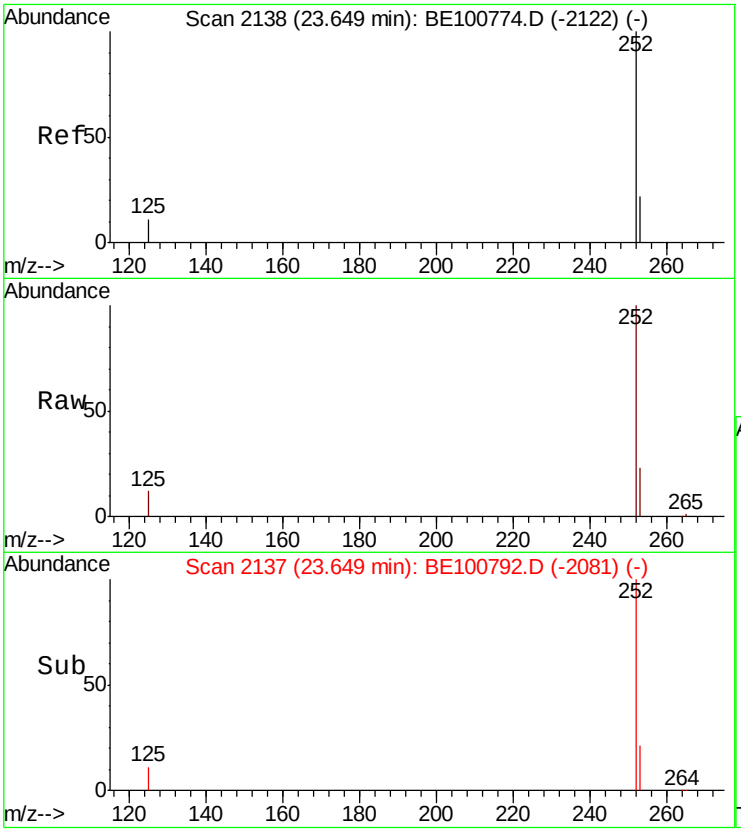


#36
Benzo(k)fluoranthene
Concen: 6.149 ng
RT: 23.01 min Scan# 1958
Delta R.T. -0.05 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:252 Resp: 950254

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	11.2	8.7	13.1



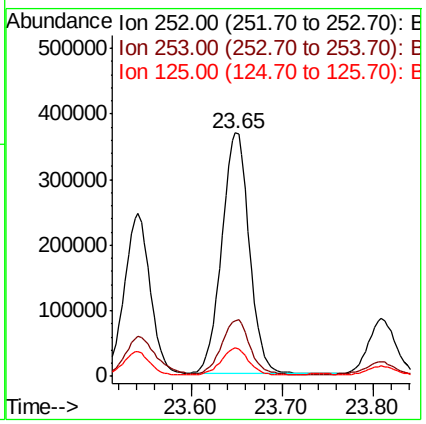


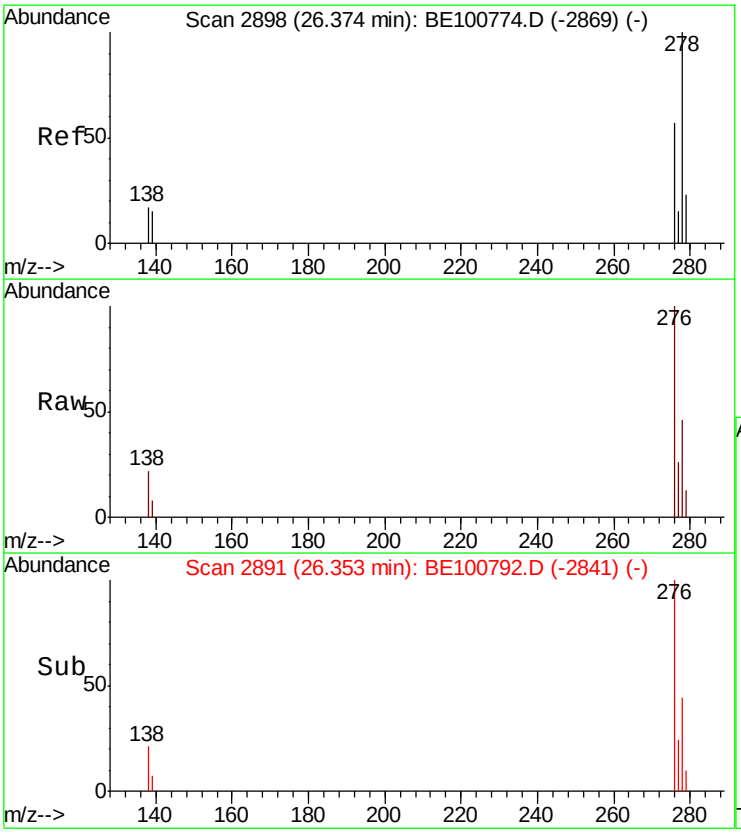
#37
Benzo(a)pyrene
Concen: 6.515 ng
RT: 23.65 min Scan# 2137
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 777326

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	11.6	10.4	15.6

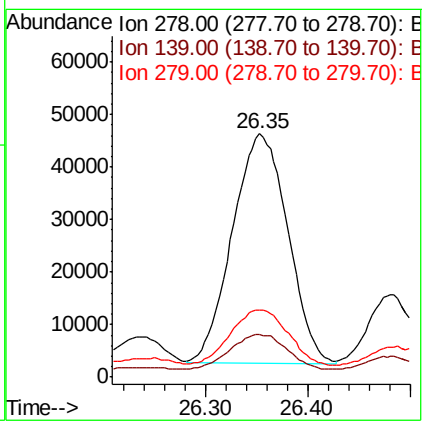


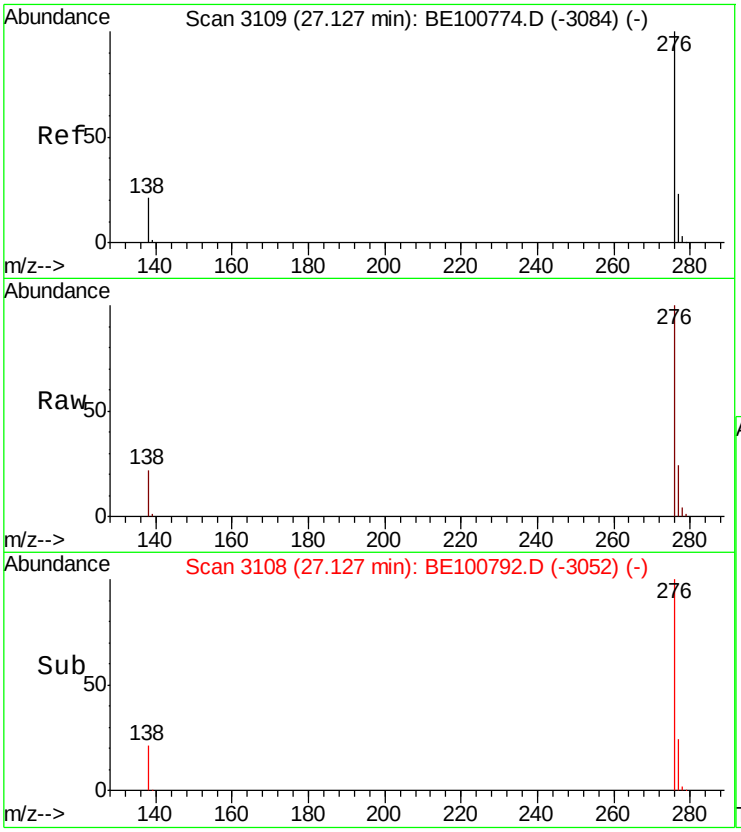


#38
Dibenzo(a,h)anthracene
Concen: 1.389 ng
RT: 26.35 min Scan# 2891
Delta R.T. -0.02 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Tgt Ion:278 Resp: 164847

Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.0	19.4
279	27.4	19.6	29.4





#39
Benzo(g,h,i)perylene
Concen: 3.869 ng
RT: 27.13 min Scan# 3108
Delta R.T. 0.00 min
Lab File: BE100792.D
Acq: 5 Dec 2019 17:00

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 491068

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.3	28.9
138	21.9	17.8	26.6