Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\
Data File : BE100791.D
Acq On : 5 Dec 2019 16:24
Operator : JU
Sample : K6053-02MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : EXT-084-SW178-112519-1MS

Quant Time: Dec 05 18:02:58 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	7.76	152	5460	0.40	ng		-0.01
7) Naphthalene-d8	10.54	136	24092	0.40	ng		0.00
13) Acenaphthene-d10	14.40	164	13211	0.40	ng		0.00
19) Phenanthrene-d10	17.12	188	27183	0.40	ng		-0.01
27) Chrysene-d12	21.31	240	33275	0.40	ng		0.00
34) Perylene-d12	23.76	264	42454	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.37	112	6784	0.52	ng		0.00
5) Phenol-d6	6.93	99	11039	0.56	ng		0.00
8) Nitrobenzene-d5	8.90	82	7138	0.62	ng		0.00
11) 2-Methylnaphthalene-d10	12.14	152	22380	0.64	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	1542	1.05	ng		0.00
15) 2-Fluorobiphenyl	13.03	172	17368	0.33	ng		0.00
25) Fluoranthene-d10	19.16	212	118152	0.37	ng		0.00
29) Terphenyl-d14	19.76	244	24174	0.30	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	3072	0.309	ng	#	51
3) n-Nitrosodimethylamine	3.64	42	4161	0.514	ng	#	85
6) bis(2-Chloroethyl)ether	7.18	93	8559	0.453	ng		98
9) Naphthalene	10.59	128	199483	0.779	ng		100
10) Hexachlorobutadiene	10.89	225	3811	0.382	ng		99
12) 2-Methylnaphthalene	12.21	142	27826	0.696	ng		99
16) Acenaphthylene	14.11	152	114576	2.097	ng		100
17) Acenaphthene	14.46	154	21058	0.559	ng		98
18) Fluorene	15.43	166	46649	0.960	ng		93
20) 4-Bromophenyl-phenylether	16.33	248	5669	0.425	ng		95
21) Hexachlorobenzene	16.44	284	5212	0.360	ng		97
22) Pentachlorophenol	16.79	266	3757	3.749	ng	#	82
23) Phenanthrene	17.16	178	532054	6.462	ng		100
24) Anthracene	17.26	178	133846	1.944	ng		97
26) Fluoranthene	19.19	202	1191261	12.123	ng		98
28) Pyrene	19.55	202	1319940	12.208	ng		96
30) Benzo(a)anthracene	21.34	228	802156	8.179	ng		92
31) Chrysene	21.34	228	797938	6.924	ng		97
32) Bis(2-ethylhexyl)phthalate	21.24	149	167102	1.821	ng		99
33) Indeno(1,2,3-cd)pyrene	26.33	276	503514	5.015	ng		97
35) Benzo(b)fluoranthene	23.01	252	958682	8.248	ng		99
36) Benzo(k)fluoranthene	23.01	252	958682	7.355	ng		99
37) Benzo(a)pyrene	23.65	252	790453	7.855	ng		98
38) Dibenzo(a,h)anthracene	26.36	278	166584	1.664	ng		95
39) Benzo(g,h,i)perylene	27.12	276	497539	4.648	ng		99

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\
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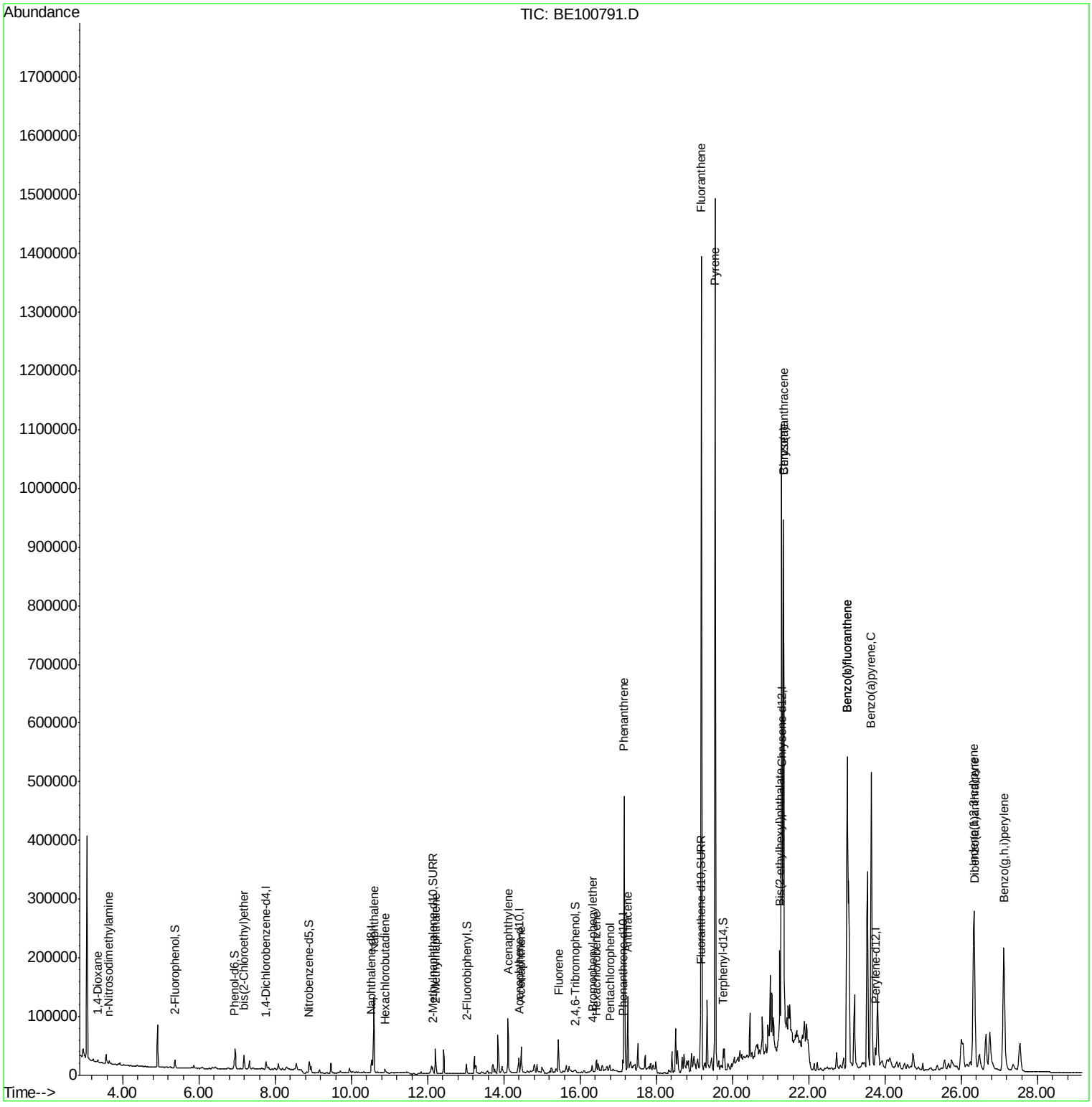
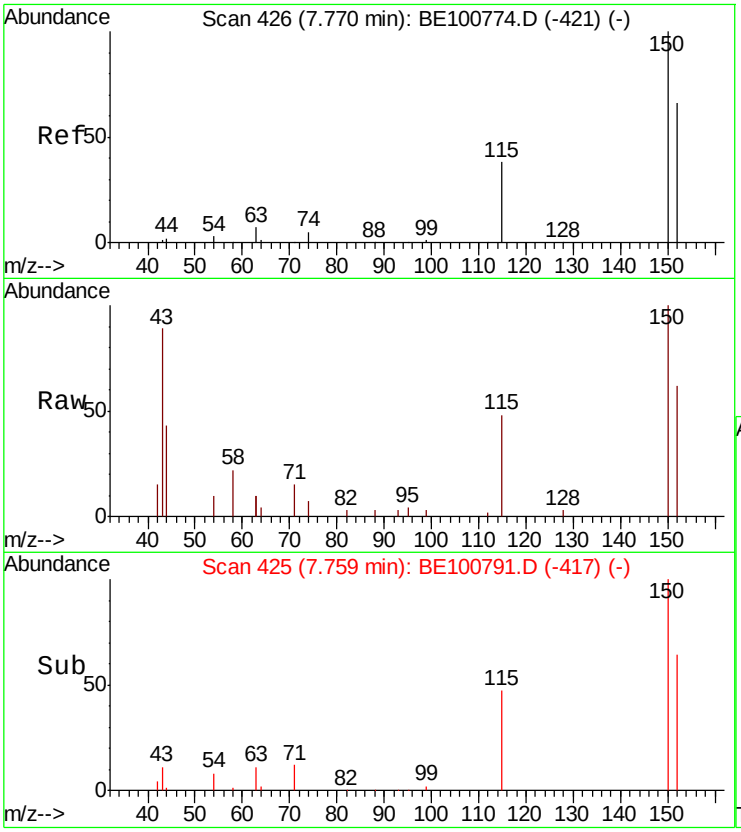
Acq On : 5 Dec 2019 16:24
Operator : JU
Sample : K6053-02MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Quant Time: Dec 05 18:02:58 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



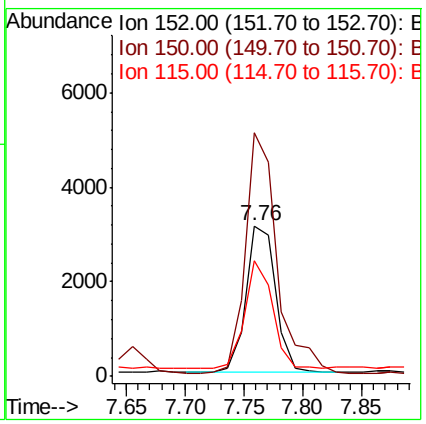


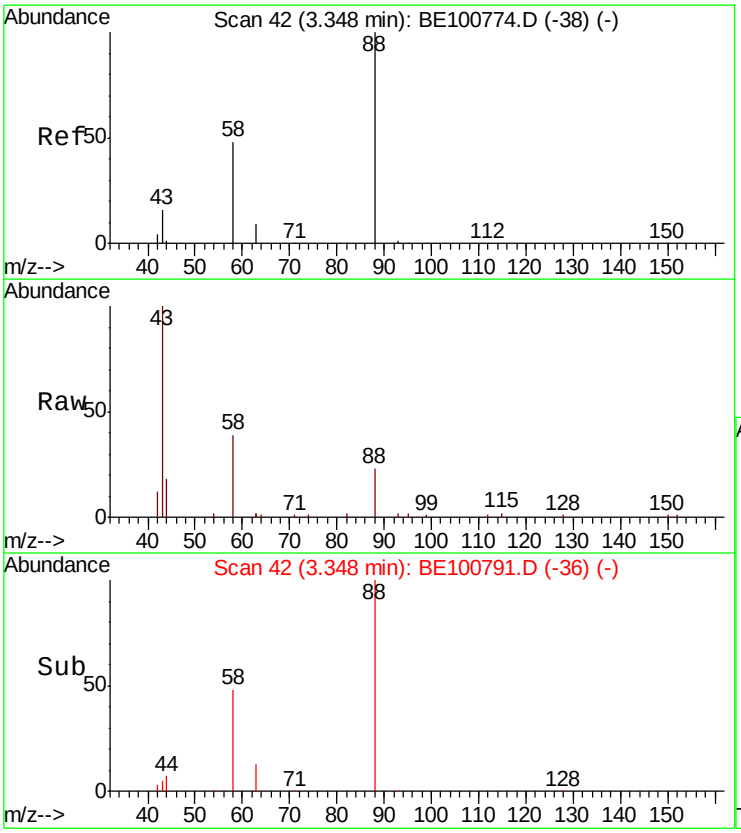
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. -0.01 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion:152 Resp: 5460

Ion	Ratio	Lower	Upper
152	100		
150	161.8	120.6	181.0
115	77.1	47.4	71.2#

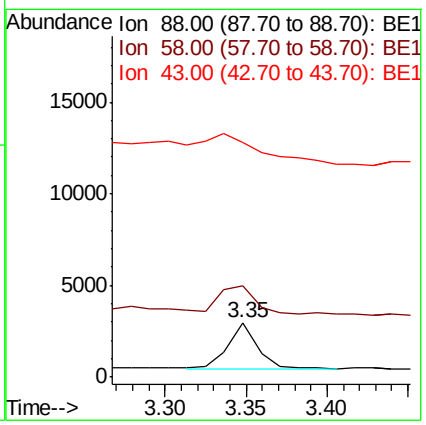


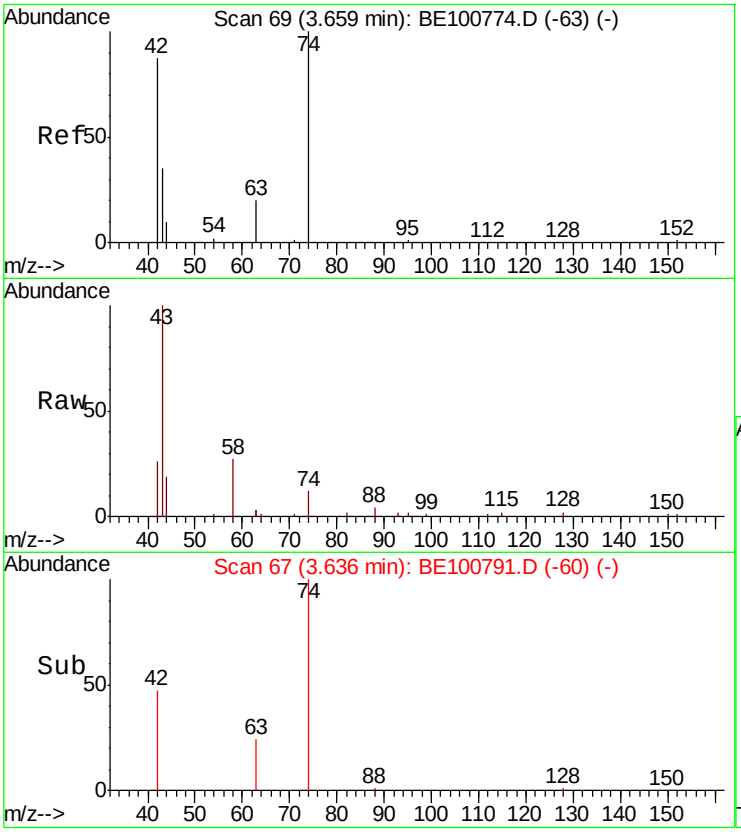


#2
1,4-Dioxane
Concen: 0.309 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion: 88 Resp: 3072

Ion	Ratio	Lower	Upper
88	100		
58	103.2	52.5	78.7#
43	0.0	23.0	34.6#

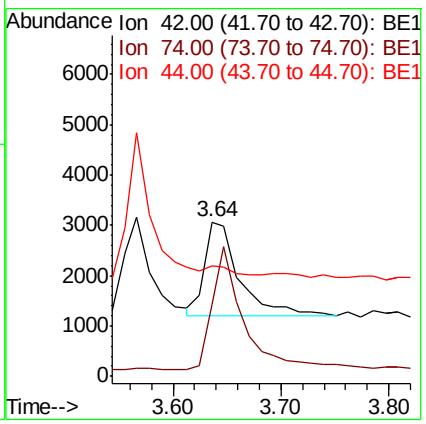




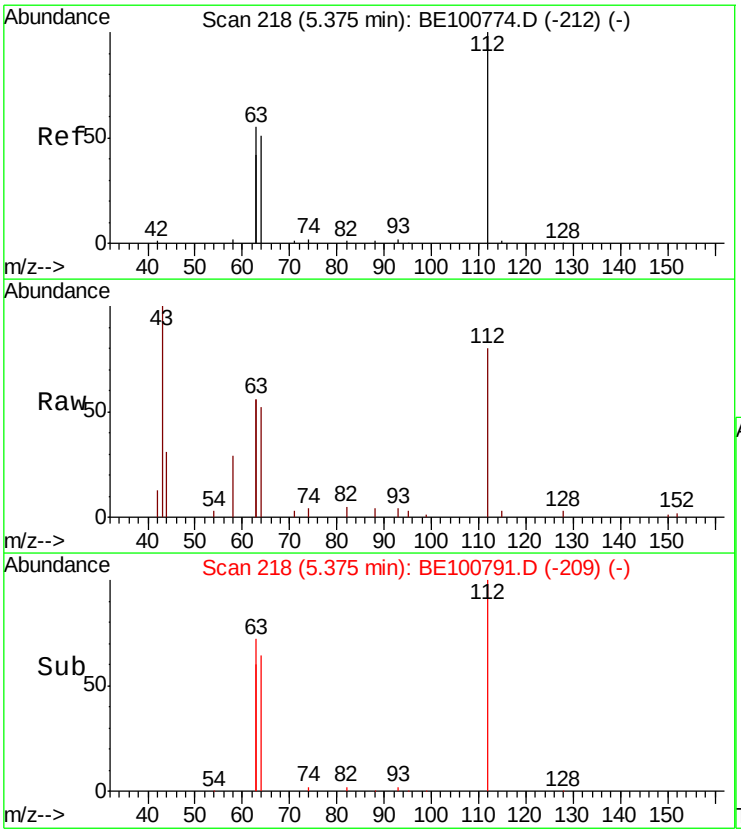
#3
n-Nitrosodimethylamine
Concen: 0.514 ng
RT: 3.64 min Scan# 67
Delta R.T. -0.02 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion: 42 Resp: 4161

Ion	Ratio	Lower	Upper
42	100		
74	120.7	86.3	129.5
44	0.0	11.6	17.4#



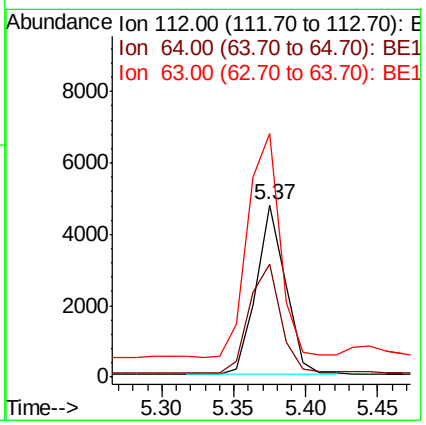
Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

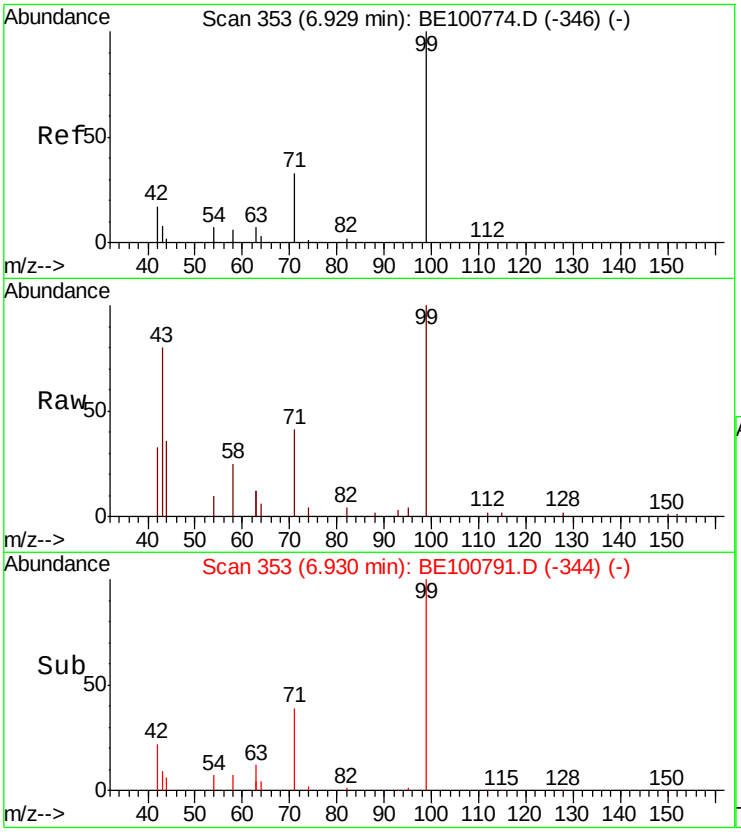


#4
2-Fluorophenol
Concen: 0.524 ng
RT: 5.37 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:112 Resp: 6784

Ion	Ratio	Lower	Upper
112	100		
64	67.7	54.1	81.1
63	143.8	113.2	169.8



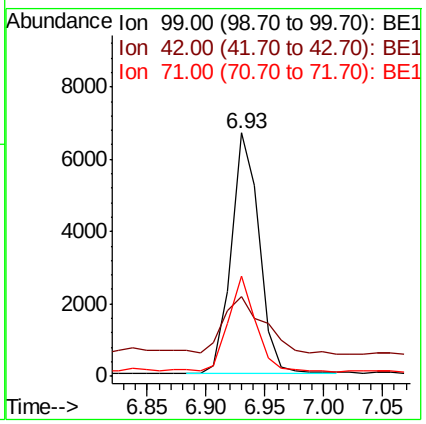


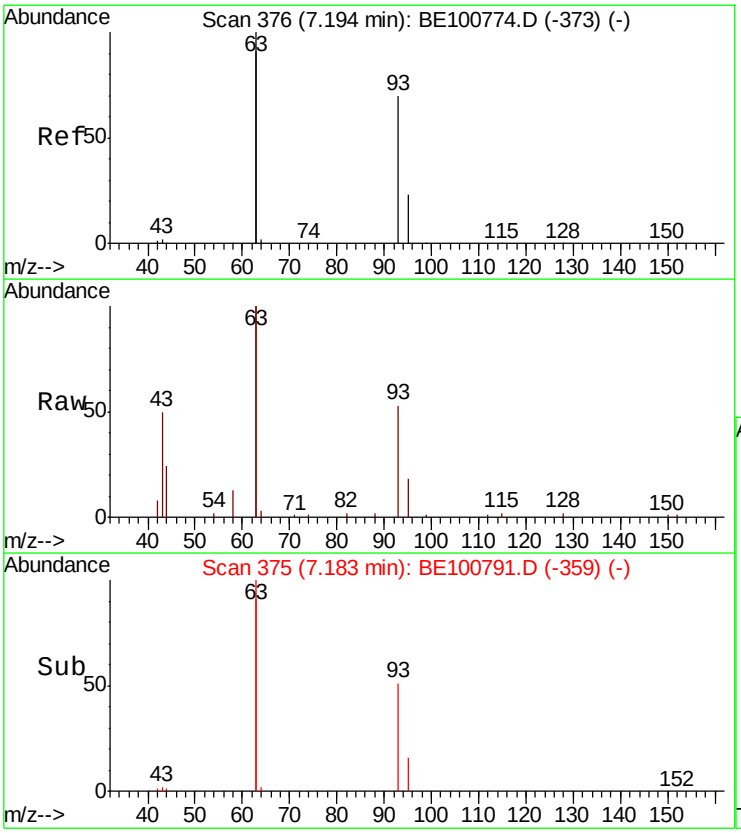
#5
Phenol-d6
Concen: 0.564 ng
RT: 6.93 min Scan# 353
Delta R.T. 0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion: 99 Resp: 11039

Ion	Ratio	Lower	Upper
99	100		
42	36.1	19.1	28.7#
71	38.5	27.7	41.5

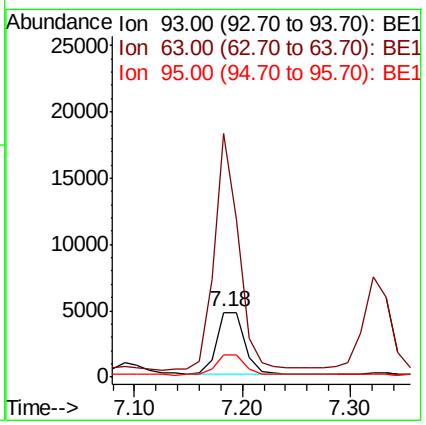


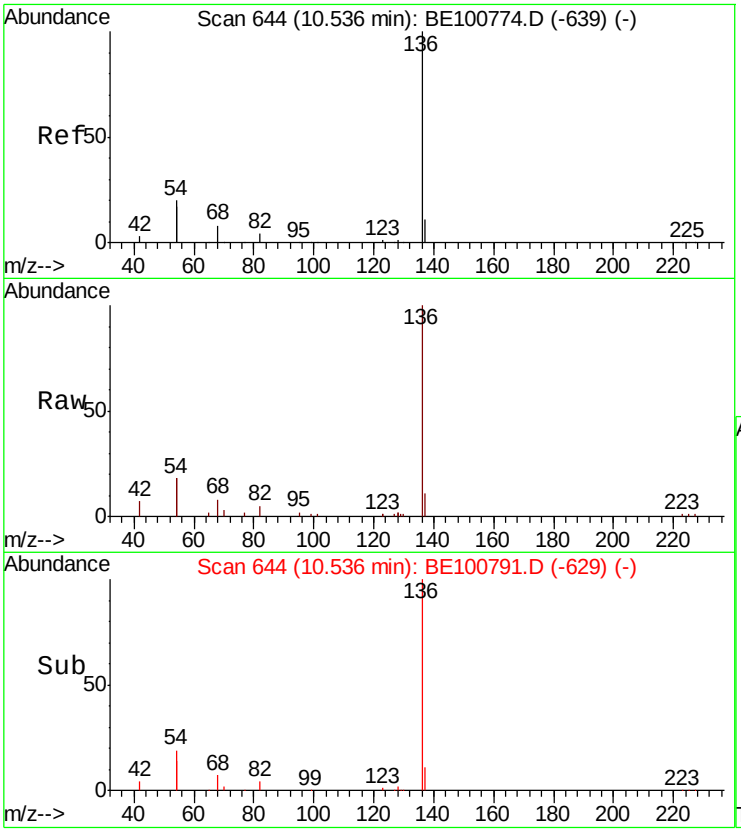


#6
bis(2-Chloroethyl)ether
Concen: 0.453 ng
RT: 7.18 min Scan# 375
Delta R.T. -0.01 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion: 93 Resp: 8559

Ion	Ratio	Lower	Upper
93	100		
63	328.4	259.4	389.0
95	32.5	26.2	39.2



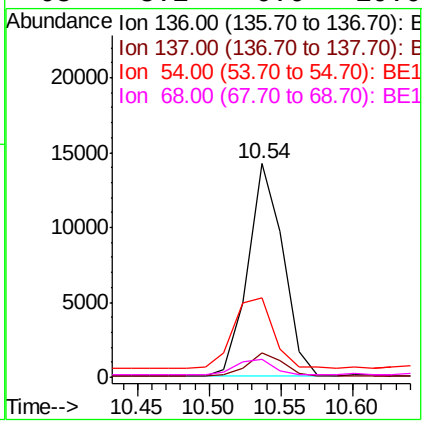


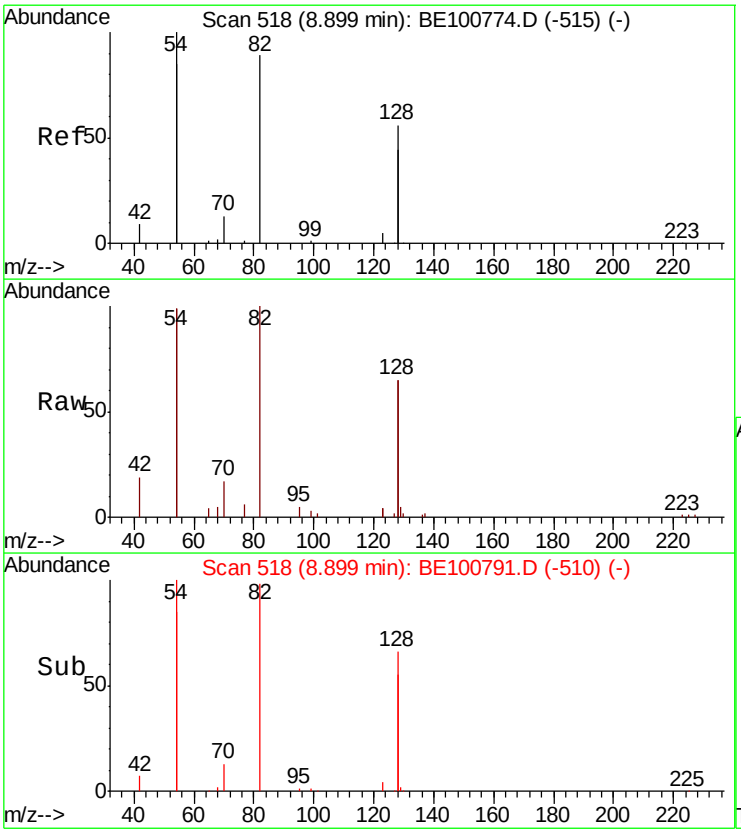
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.54 min Scan# 644
Delta R.T. 0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion:136 Resp: 24092

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.0
54	37.0	31.1	46.7
68	8.1	6.6	10.0

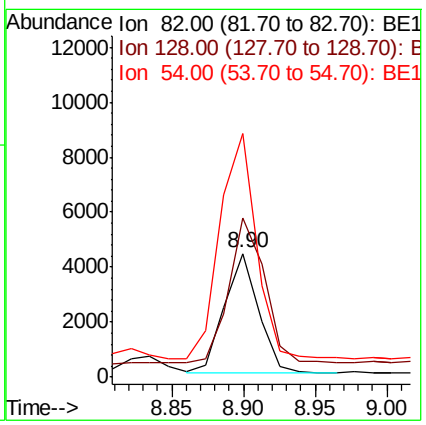


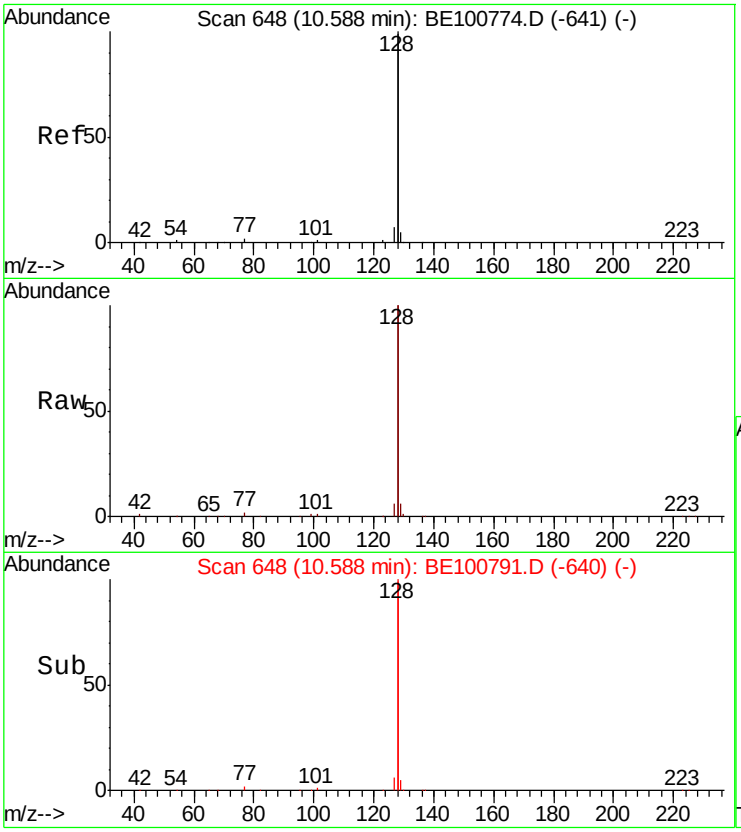


#8
Nitrobenzene-d5
Concen: 0.622 ng
RT: 8.90 min Scan# 518
Delta R.T. 0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion: 82 Resp: 7138

Ion	Ratio	Lower	Upper
82	100		
128	129.4	97.0	145.4
54	197.2	171.8	257.6



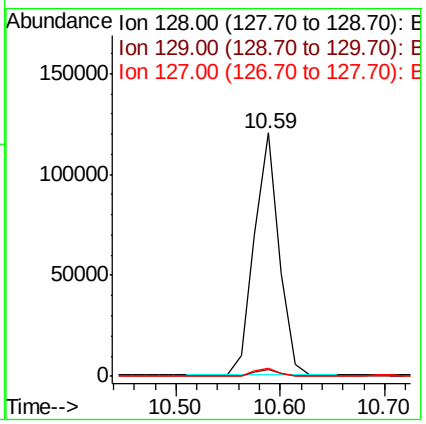


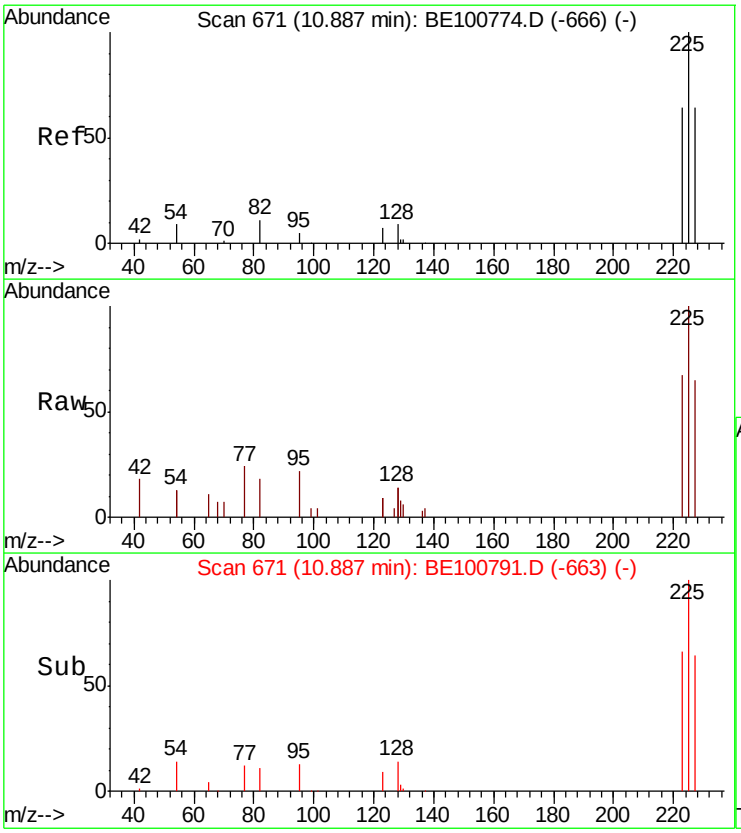
#9
Naphthalene
Concen: 0.779 ng
RT: 10.59 min Scan# 648
Delta R.T. 0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion:128 Resp: 199483

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.2	3.4
127	3.2	2.7	4.1

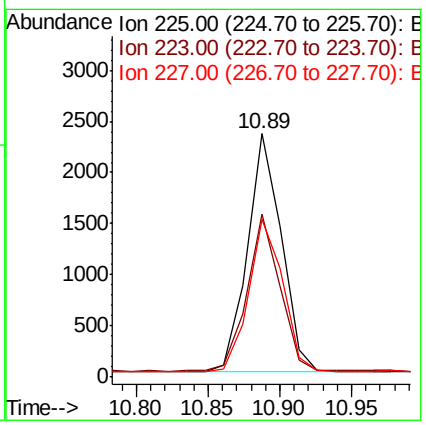


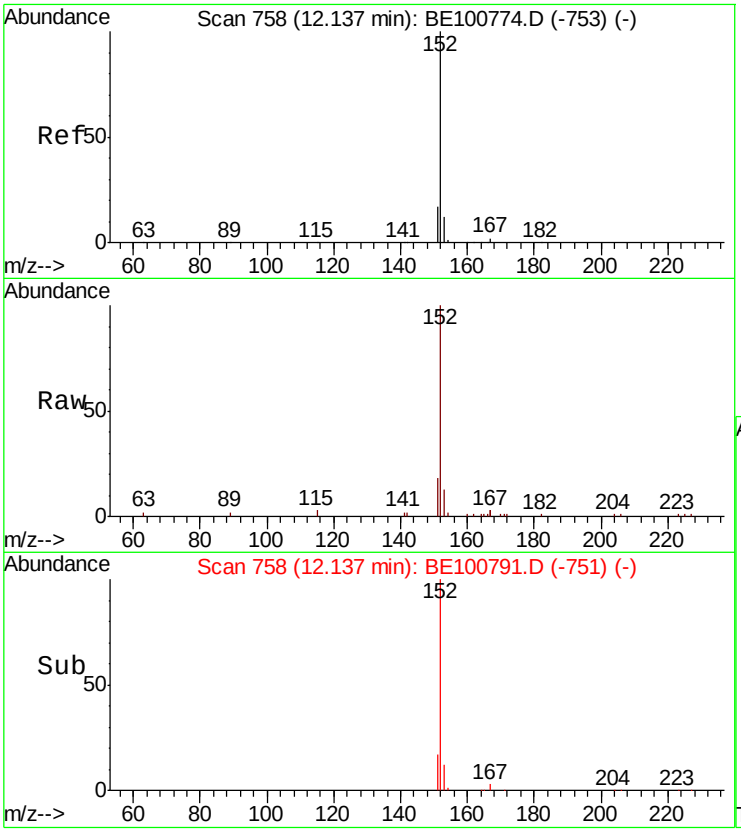


#10
Hexachlorobutadiene
Concen: 0.382 ng
RT: 10.89 min Scan# 671
Delta R.T. 0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:225 Resp: 3811

Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.9	74.9
227	64.9	52.2	78.4



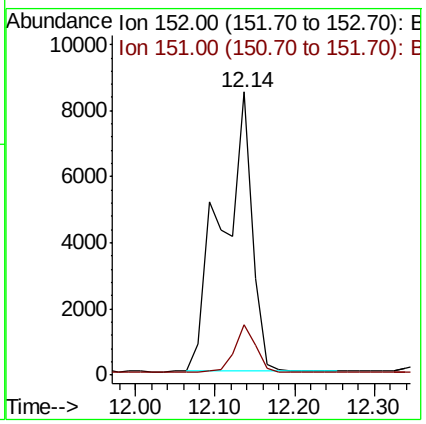


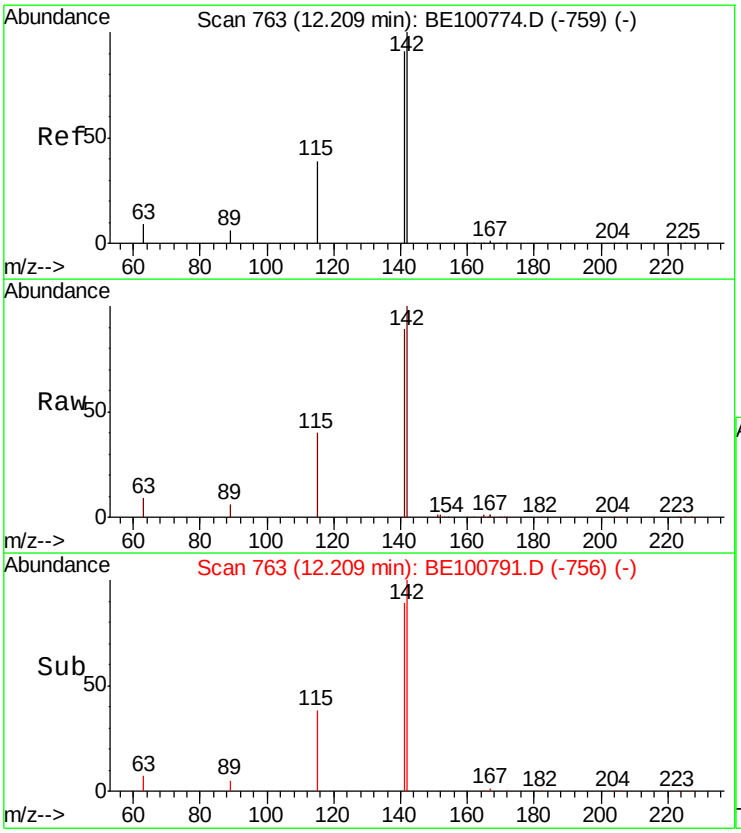
#11
2-Methylnaphthalene-d10
Concen: 0.641 ng
RT: 12.14 min Scan# 758
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion:152 Resp: 22380

Ion	Ratio	Lower	Upper
152	100		
151	11.7	15.8	23.8#

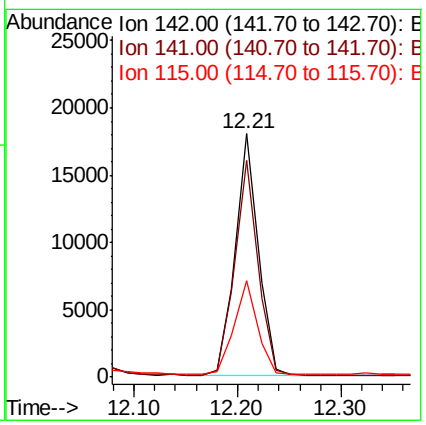


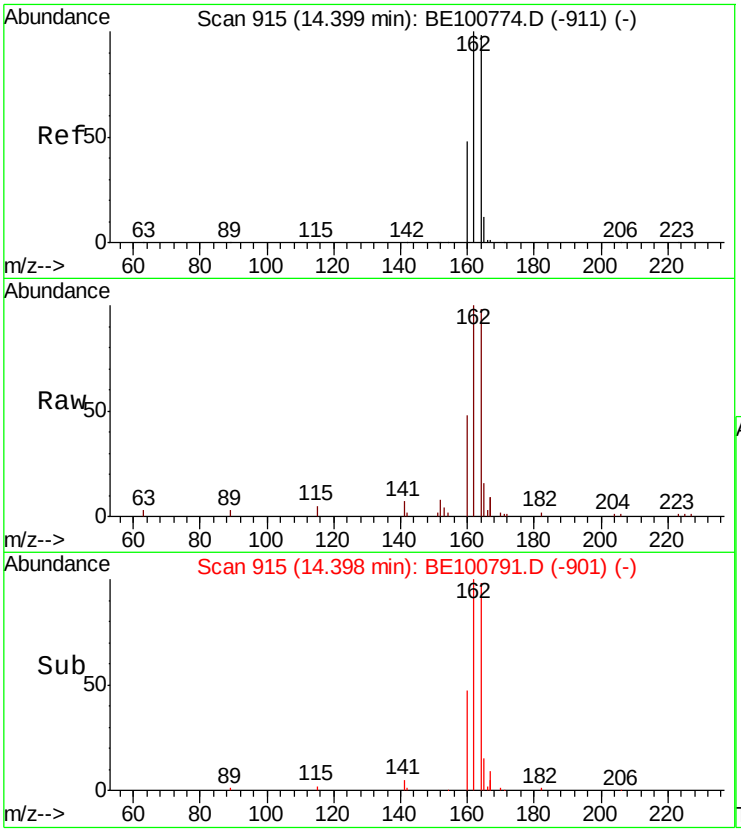


#12
2-Methylnaphthalene
Concen: 0.696 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:142 Resp: 27826

Ion	Ratio	Lower	Upper
142	100		
141	89.1	72.6	108.8
115	39.6	31.8	47.6



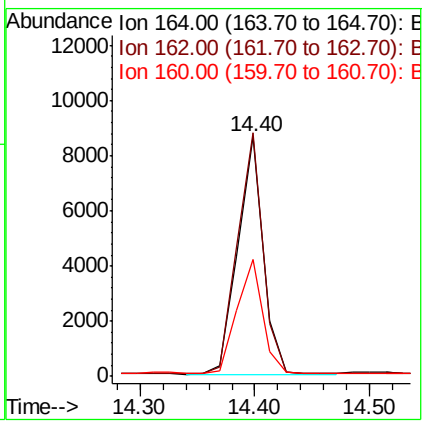


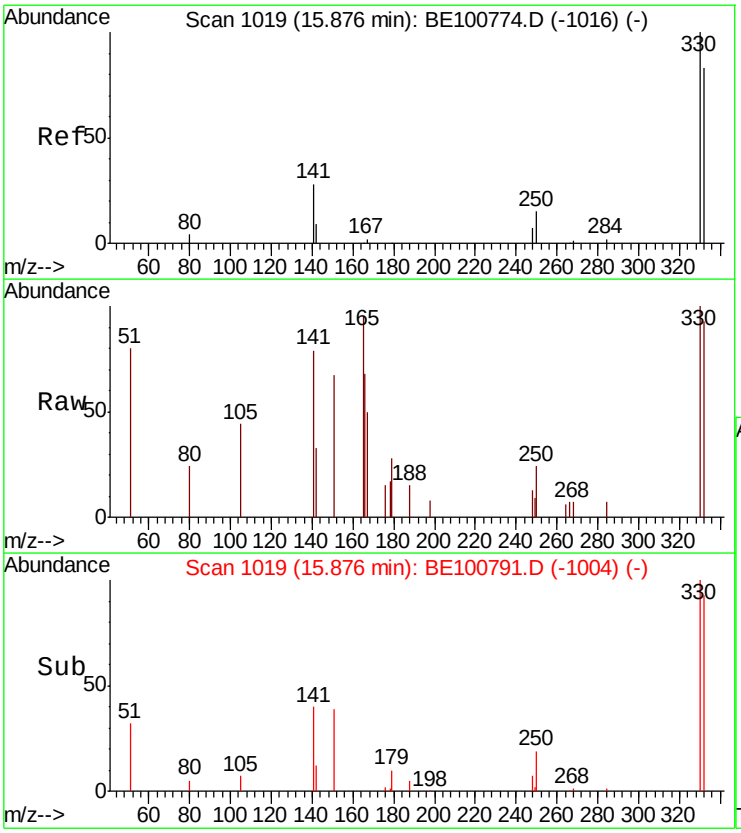
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion:164 Resp: 13211

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.4	122.0
160	48.6	39.4	59.0

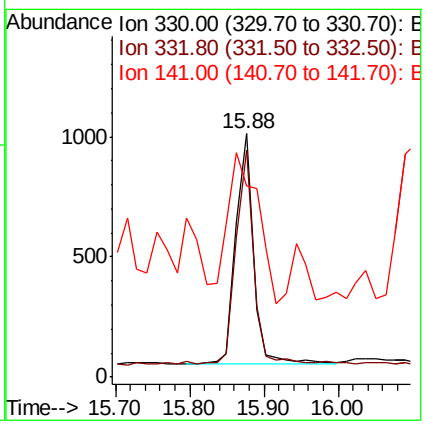


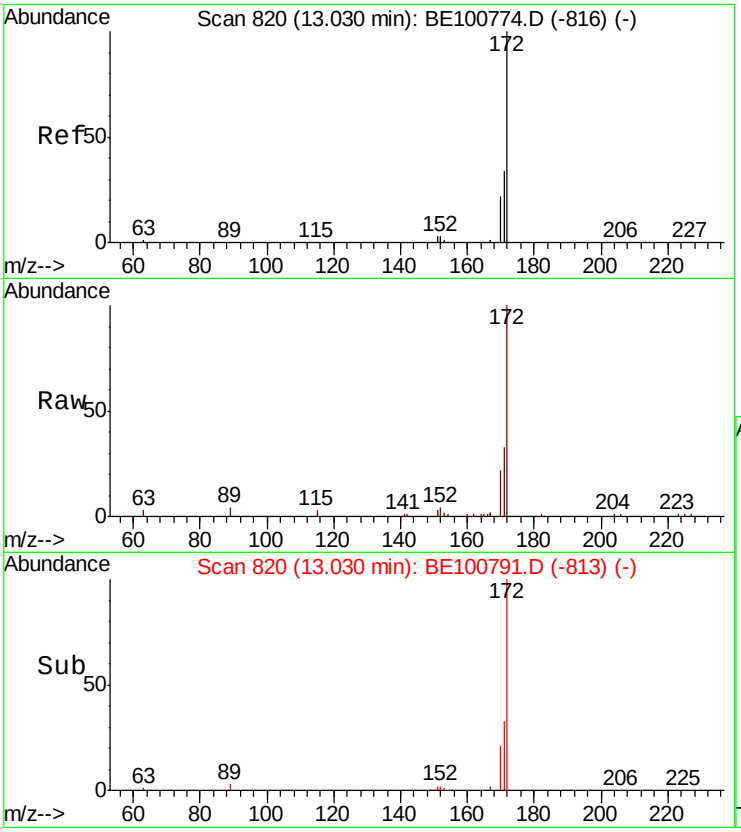


#14
2,4,6-Tribromophenol
Concen: 1.049 ng
RT: 15.88 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:330 Resp: 1542

Ion	Ratio	Lower	Upper
330	100		
332	92.6	69.4	104.2
141	116.4	51.1	76.7#



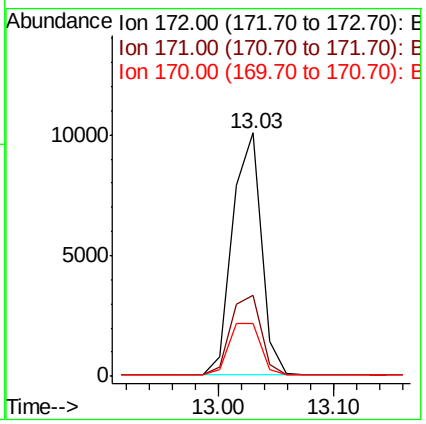


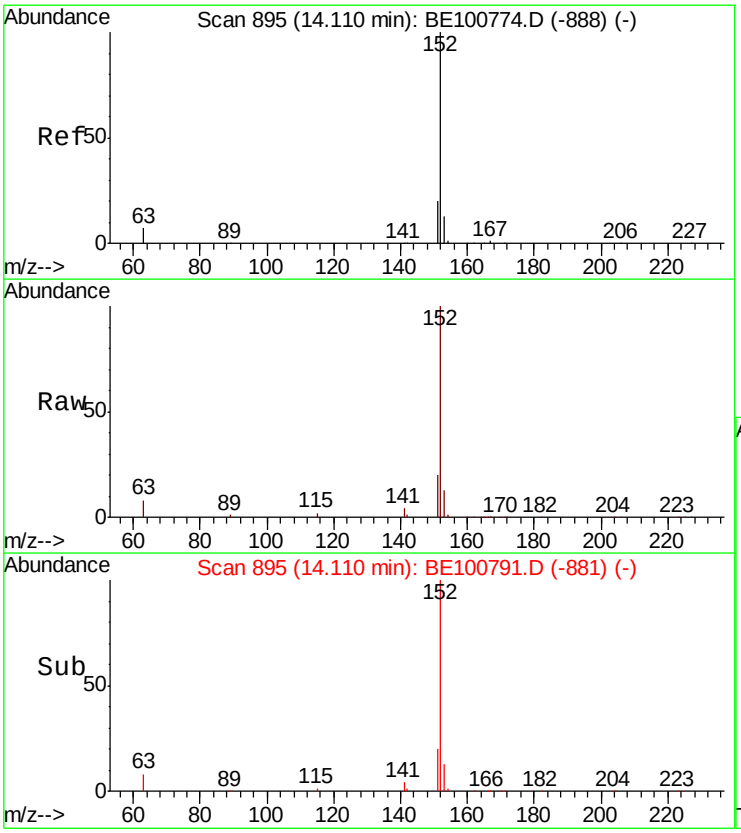
#15
2-Fluorobiphenyl
Concen: 0.331 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion:172 Resp: 17368

Ion	Ratio	Lower	Upper
172	100		
171	33.3	27.2	40.8
170	21.5	18.0	27.0

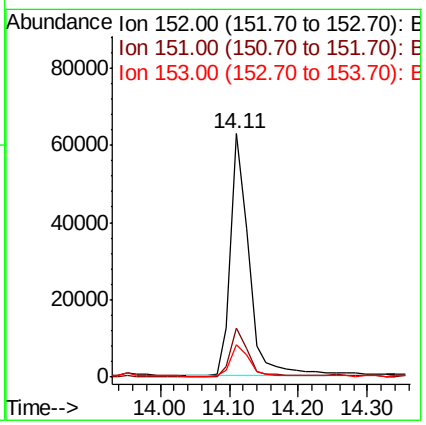


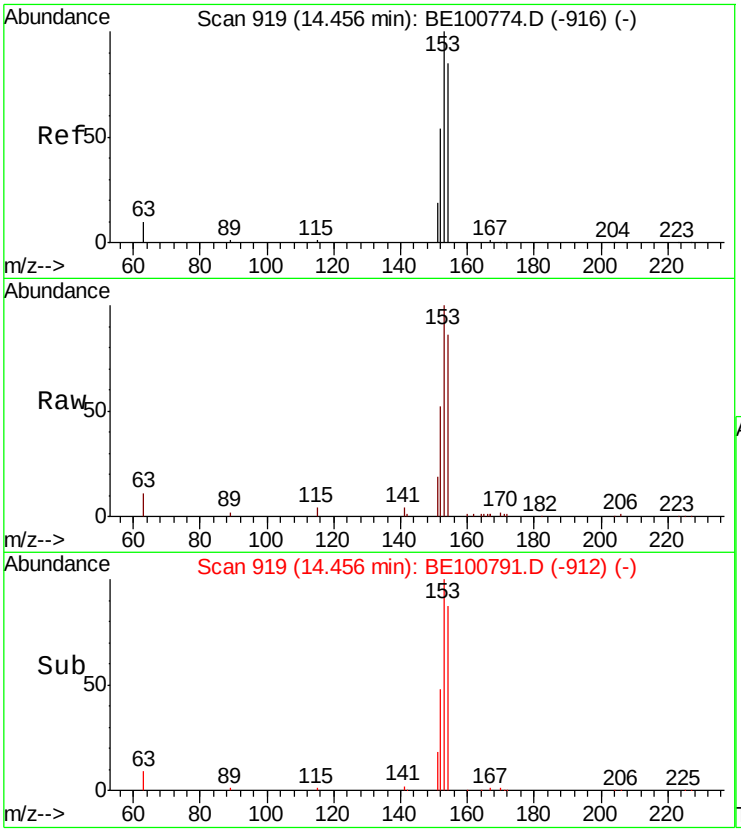


#16
Acenaphthylene
Concen: 2.097 ng
RT: 14.11 min Scan# 895
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:152 Resp: 114576

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.4	10.4	15.6



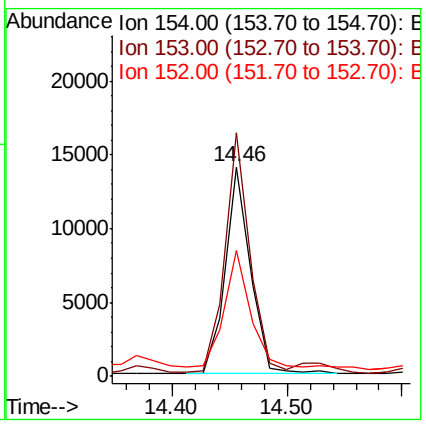


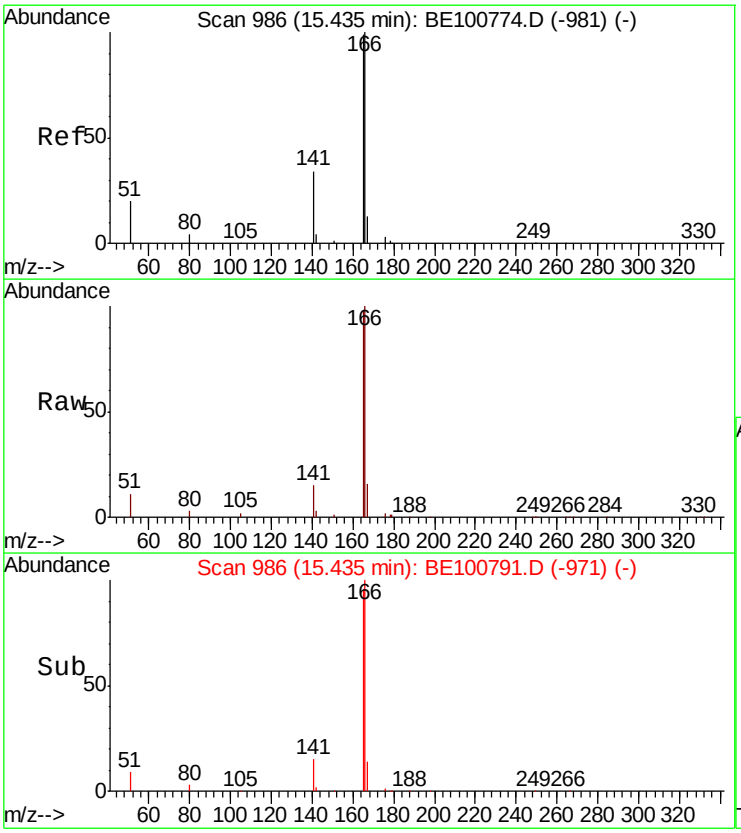
#17
Acenaphthene
Concen: 0.559 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion:154 Resp: 21058

Ion	Ratio	Lower	Upper
154	100		
153	115.1	92.2	138.2
152	58.2	49.1	73.7

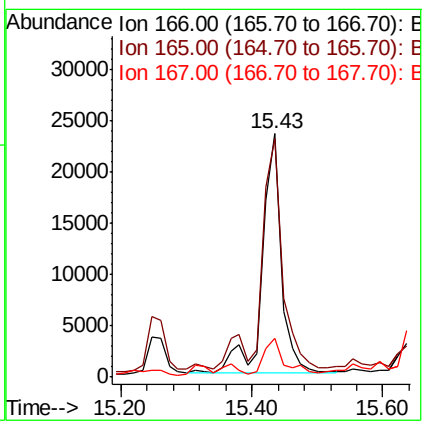


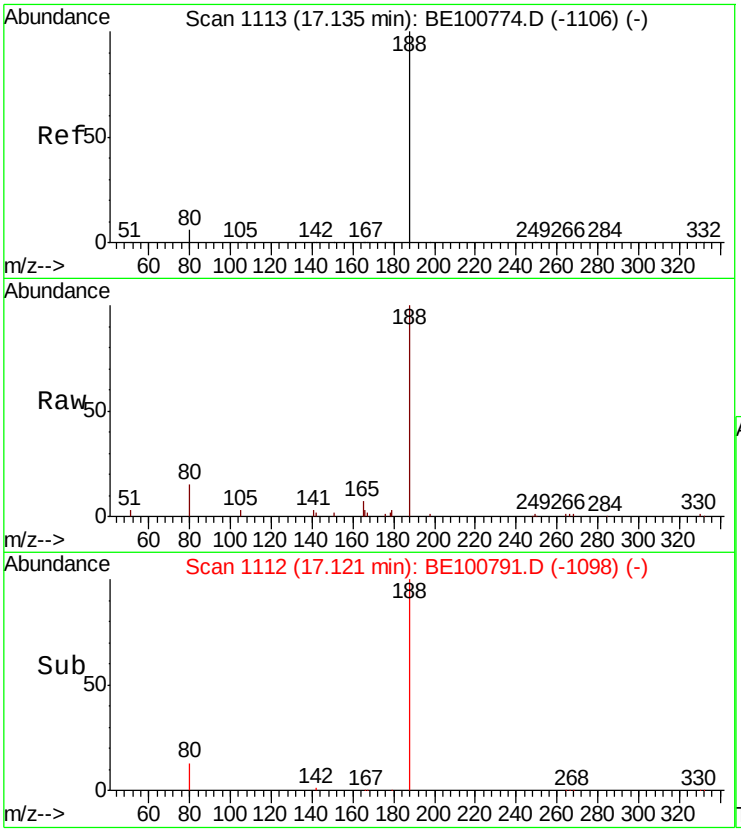


#18
Fluorene
Concen: 0.960 ng
RT: 15.43 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:166 Resp: 46649

Ion	Ratio	Lower	Upper
166	100		
165	92.9	80.5	120.7
167	15.1	10.7	16.1



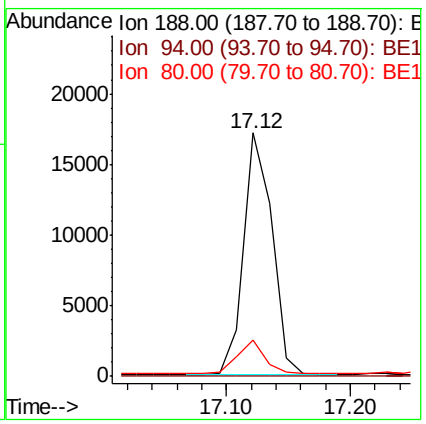


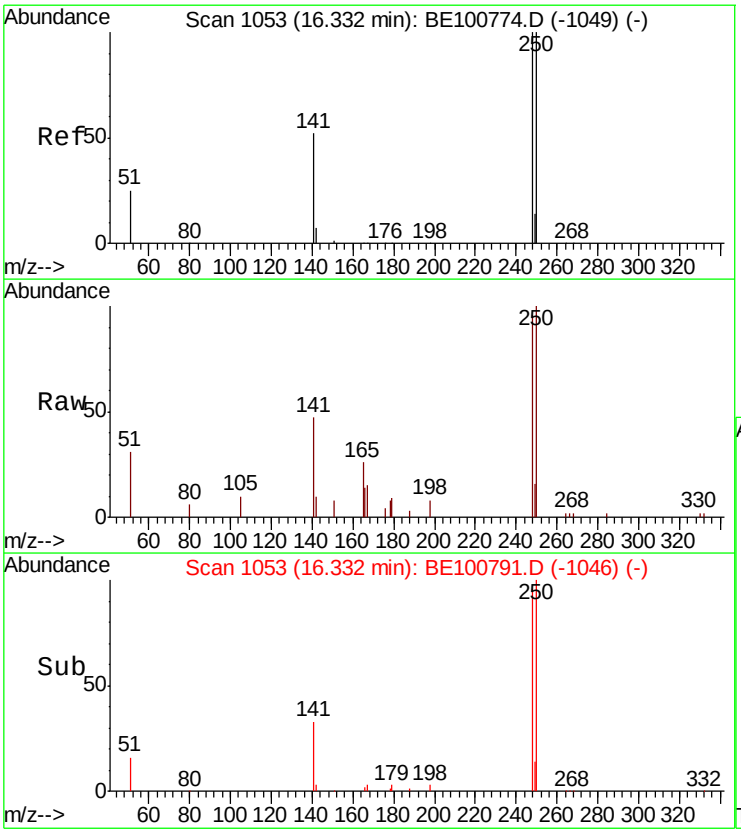
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.12 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion:188 Resp: 27183

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.8	5.2	7.8#

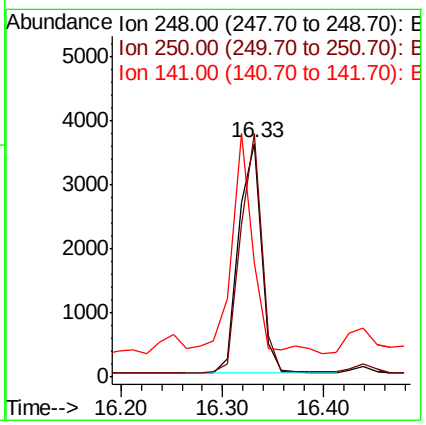


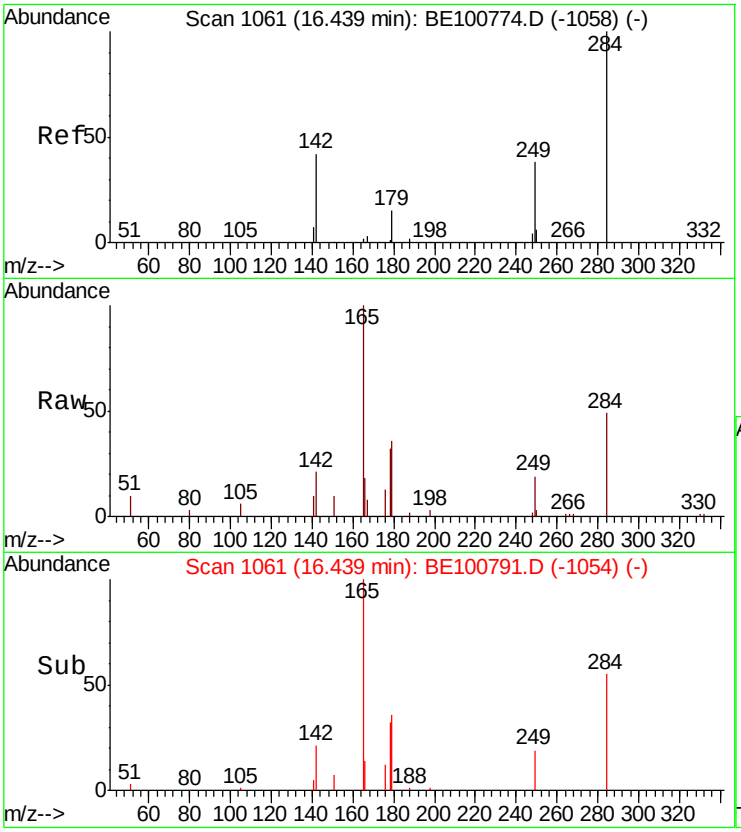


#20
4-Bromophenyl-phenylether
Concen: 0.425 ng
RT: 16.33 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:248 Resp: 5669

Ion	Ratio	Lower	Upper
248	100		
250	104.1	80.5	120.7
141	48.6	42.6	64.0



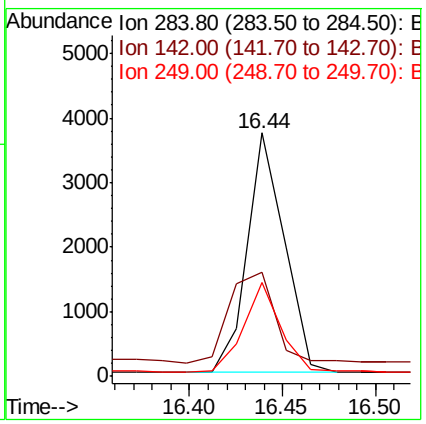


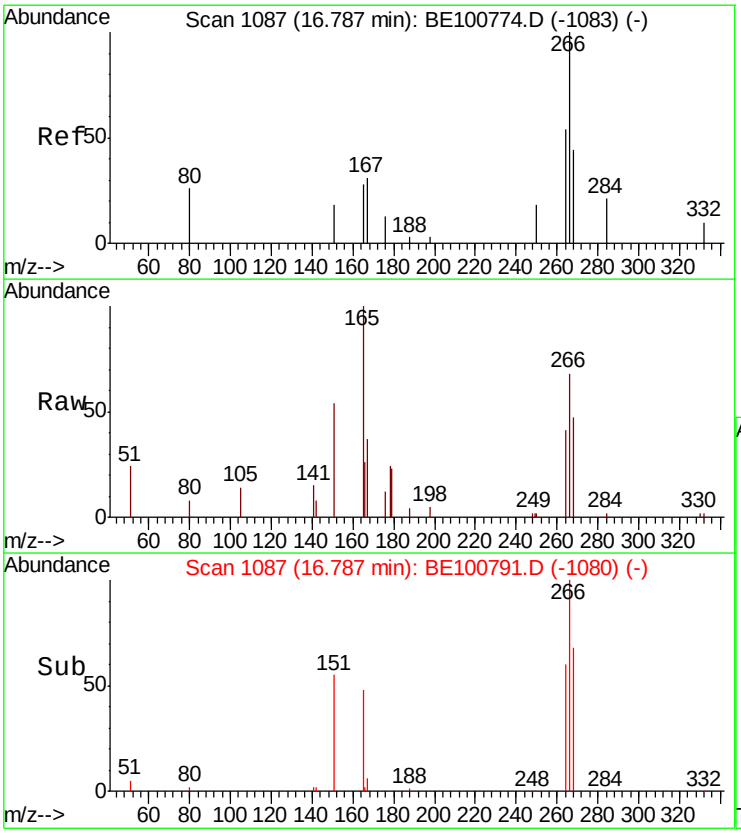
#21
Hexachlorobenzene
Concen: 0.360 ng
RT: 16.44 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion:284 Resp: 5212

Ion	Ratio	Lower	Upper
284	100		
142	46.3	34.4	51.6
249	36.4	28.5	42.7

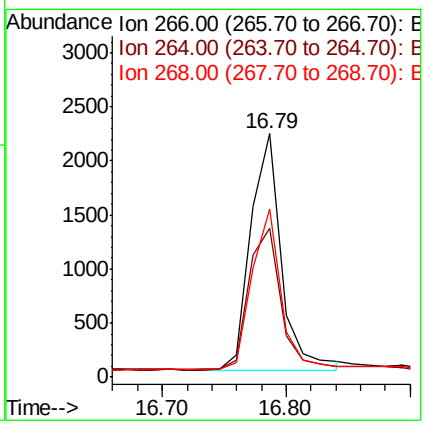


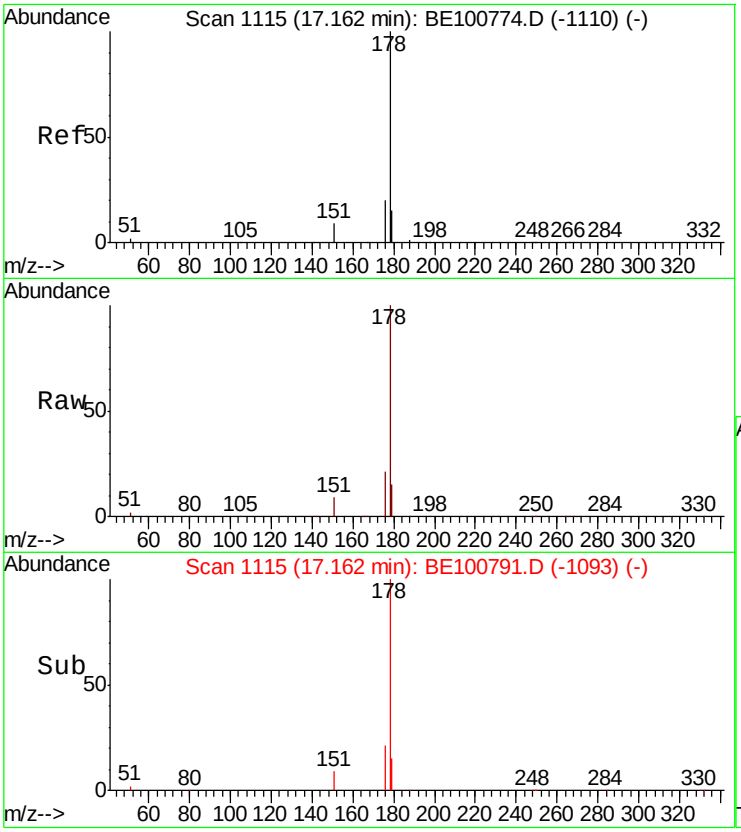


#22
Pentachlorophenol
Concen: 3.749 ng
RT: 16.79 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:266 Resp: 3757

Ion	Ratio	Lower	Upper
266	100		
264	61.1	63.4	95.0#
268	68.9	65.8	98.8



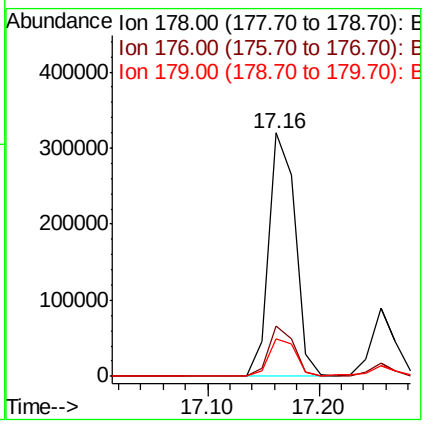


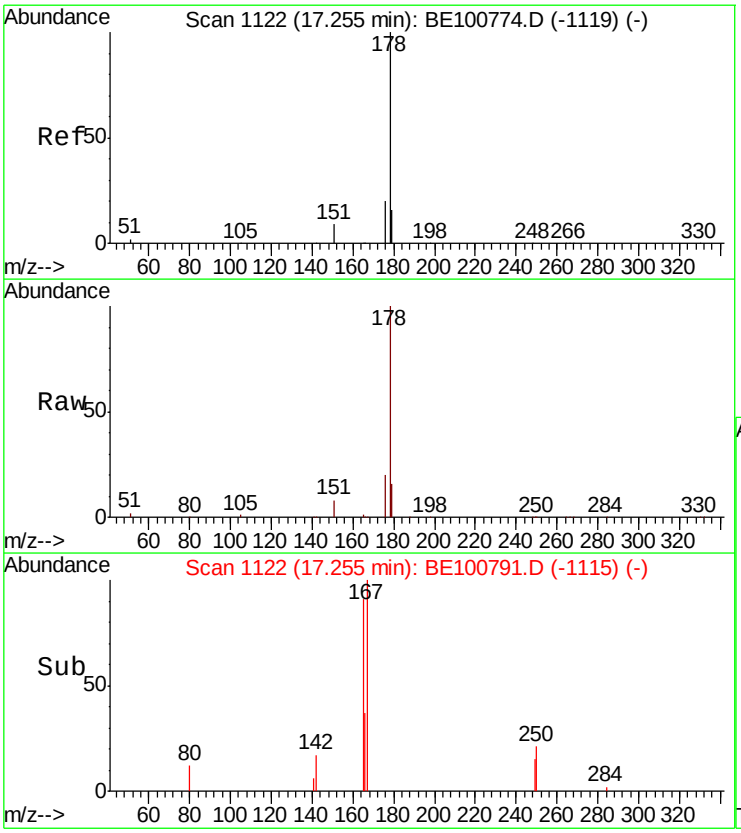
#23
Phenanthrene
Concen: 6.462 ng
RT: 17.16 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion:178 Resp: 532054

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.5	12.3	18.5

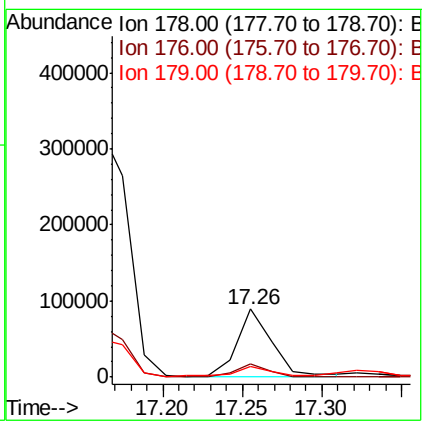


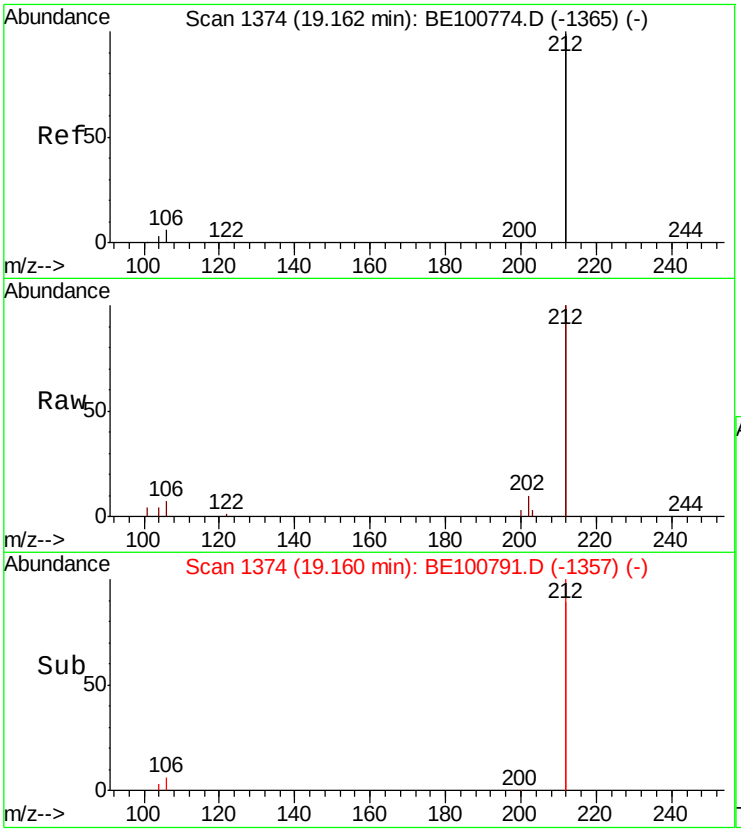


#24
Anthracene
Concen: 1.944 ng
RT: 17.26 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:178 Resp: 133846

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	13.7	12.7	19.1



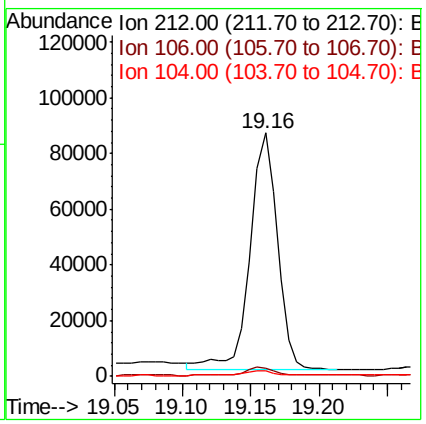


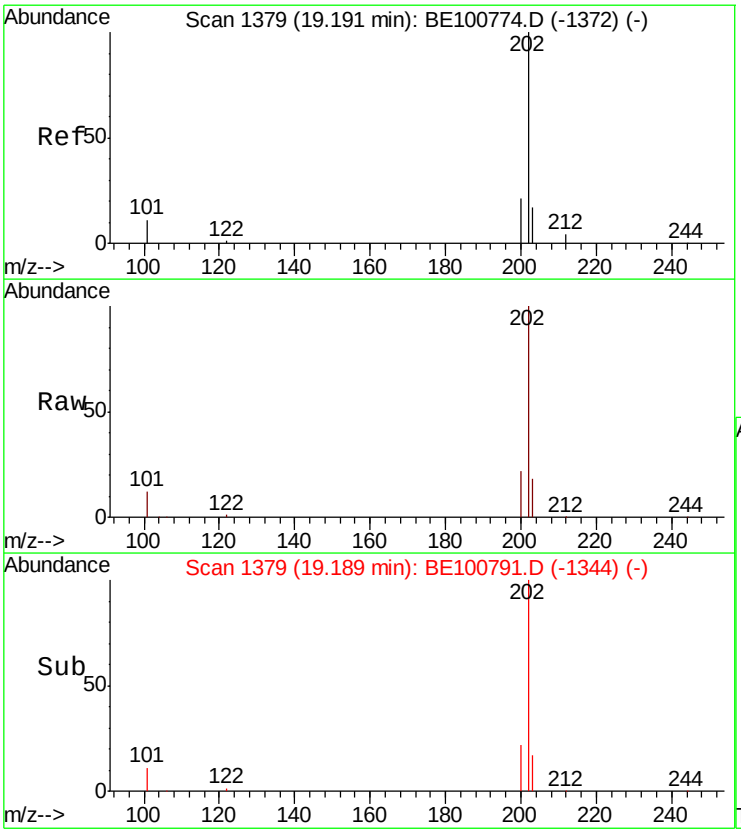
#25
Fluoranthene-d10
Concen: 0.368 ng
RT: 19.16 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion:212 Resp: 118152

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.6	3.8
104	2.5	1.4	2.2#

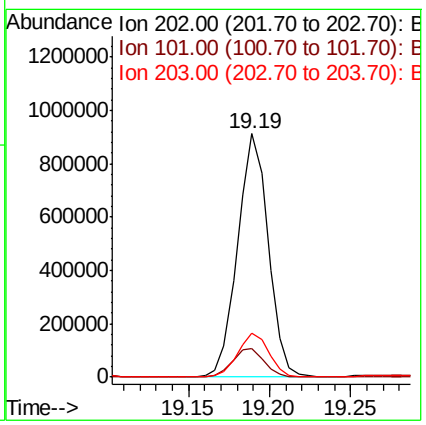


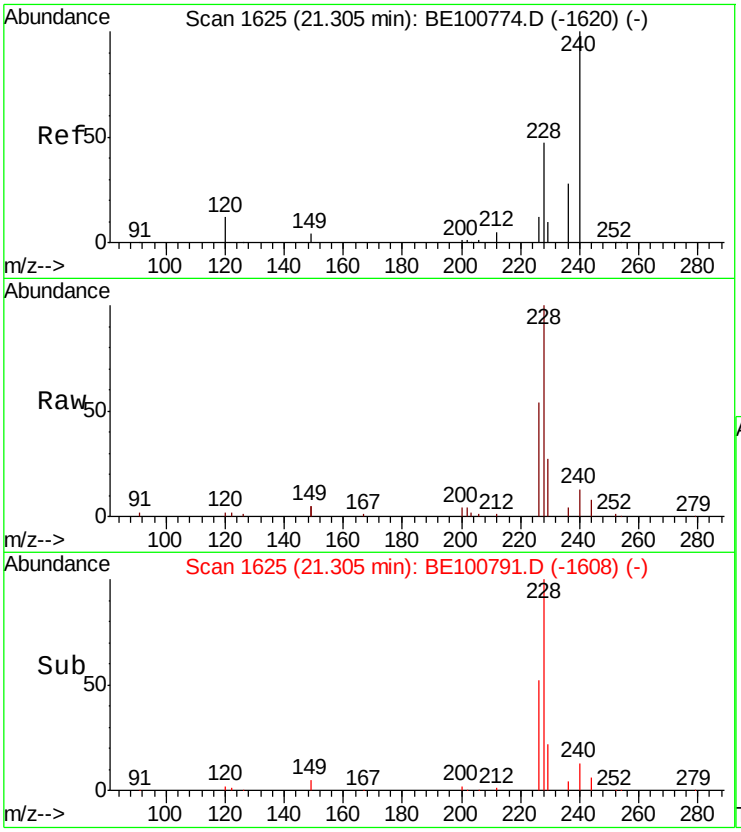


#26
Fluoranthene
Concen: 12.123 ng
RT: 19.19 min Scan# 1379
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:202 Resp: 1191261

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.1	13.7
203	18.0	13.8	20.6



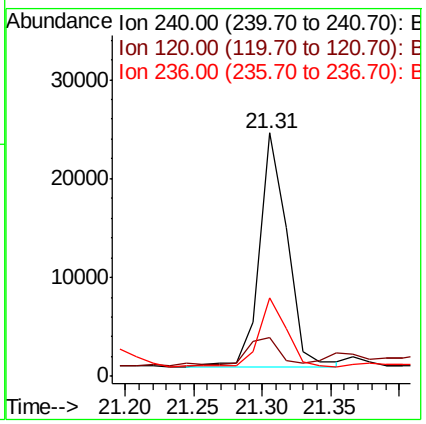


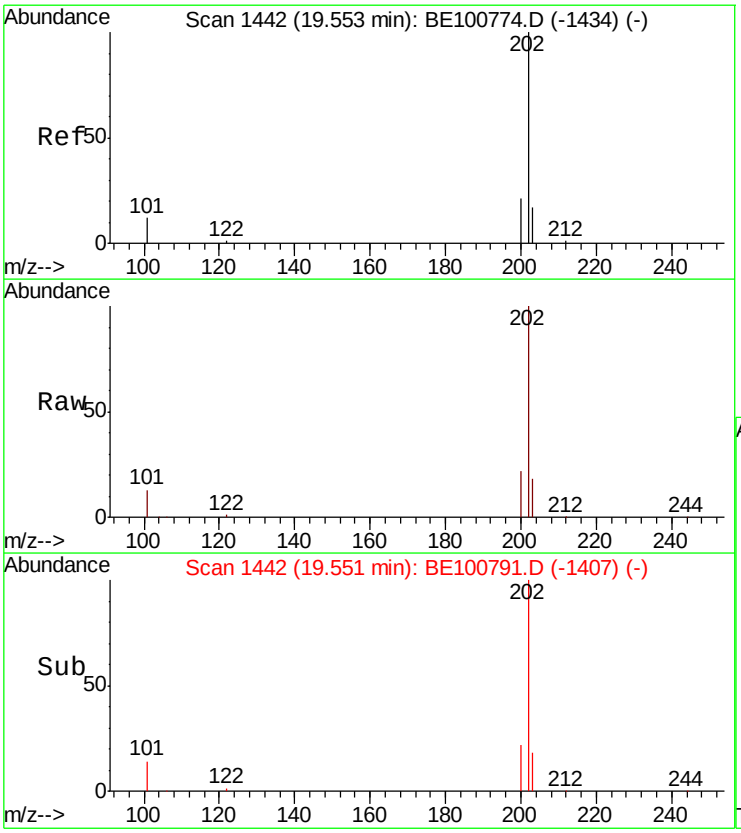
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion:240 Resp: 33275

Ion	Ratio	Lower	Upper
240	100		
120	15.7	10.2	15.2#
236	32.3	22.3	33.5

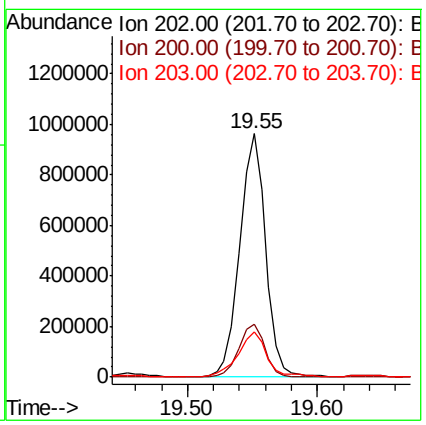


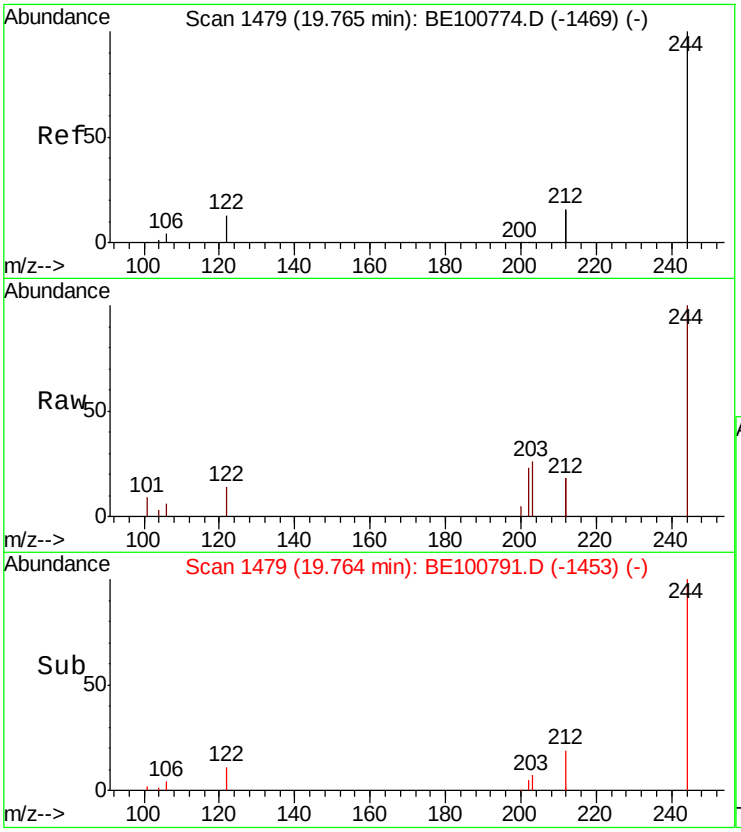


#28
Pyrene
Concen: 12.208 ng
RT: 19.55 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:202 Resp: 1319940

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.0	25.4
203	20.8	13.9	20.9



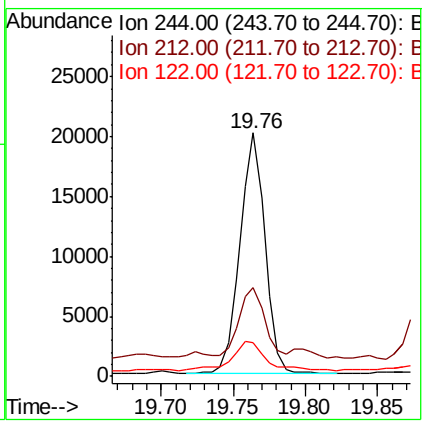


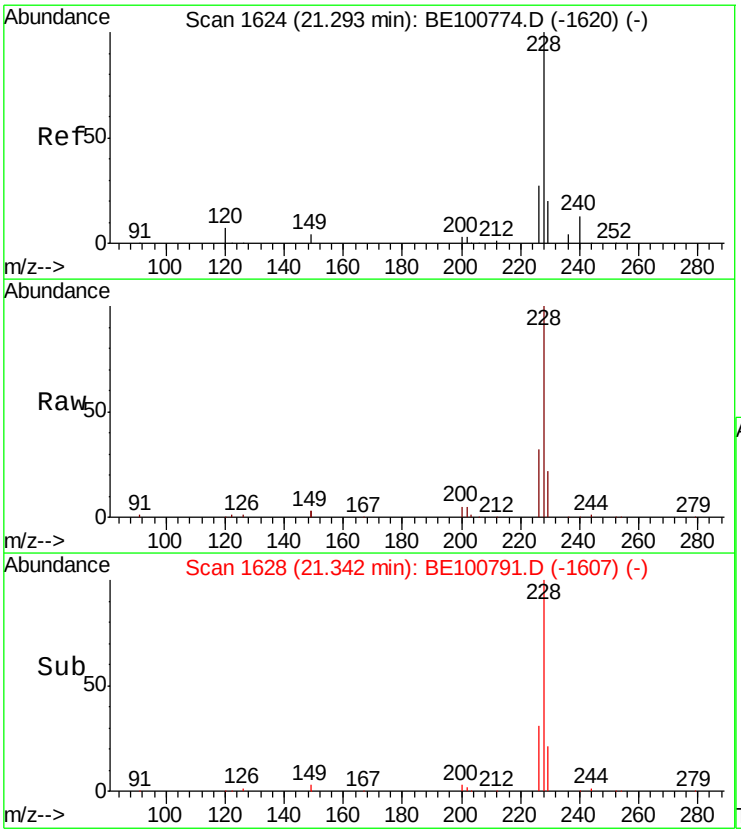
#29
Terphenyl-d14
Concen: 0.303 ng
RT: 19.76 min Scan# 1479
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion:244 Resp: 24174

Ion	Ratio	Lower	Upper
244	100		
212	36.7	26.2	39.4
122	14.0	10.2	15.4

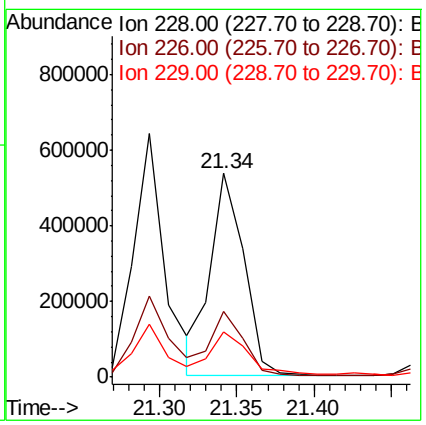


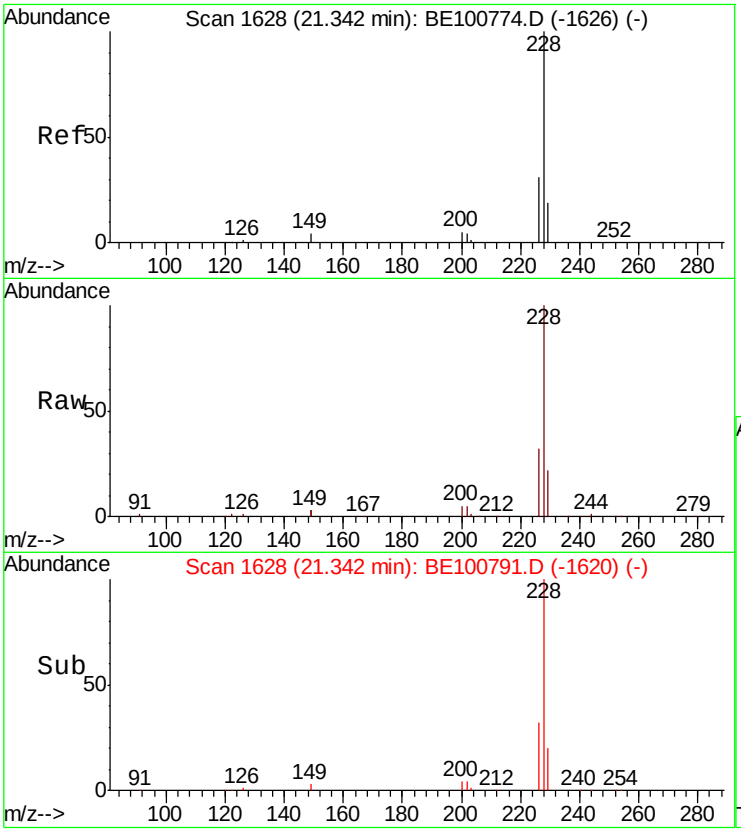


#30
Benzo(a)anthracene
Concen: 8.179 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.05 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:228 Resp: 802156

Ion	Ratio	Lower	Upper
228	100		
226	32.0	21.5	32.3
229	22.2	16.0	24.0



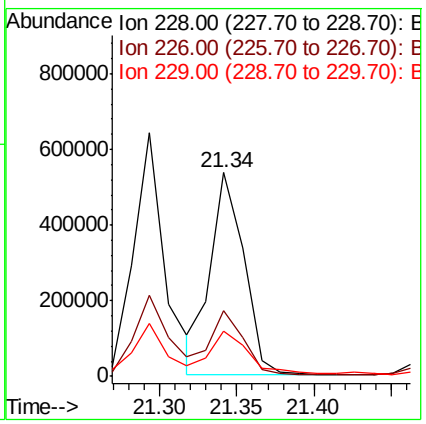


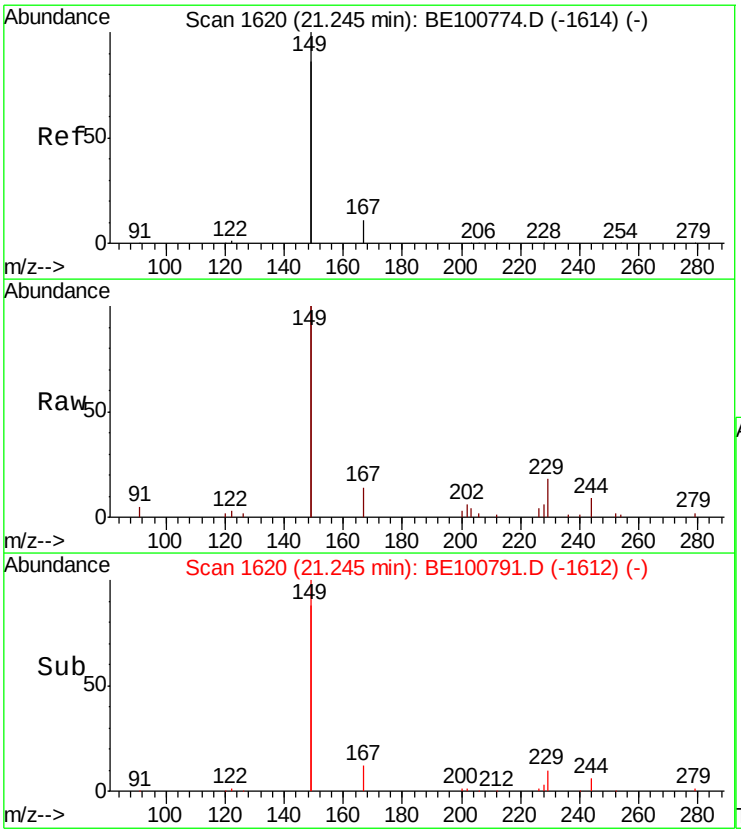
#31
Chrysene
Concen: 6.924 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion:228 Resp: 797938

Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.4
229	22.2	15.4	23.2

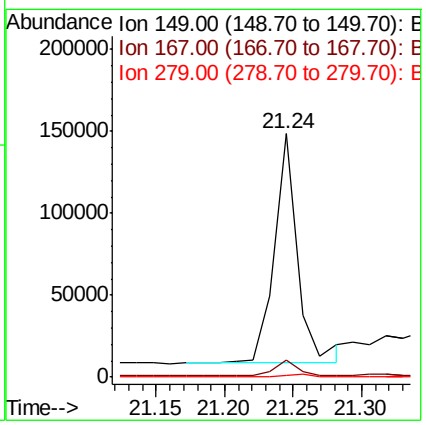


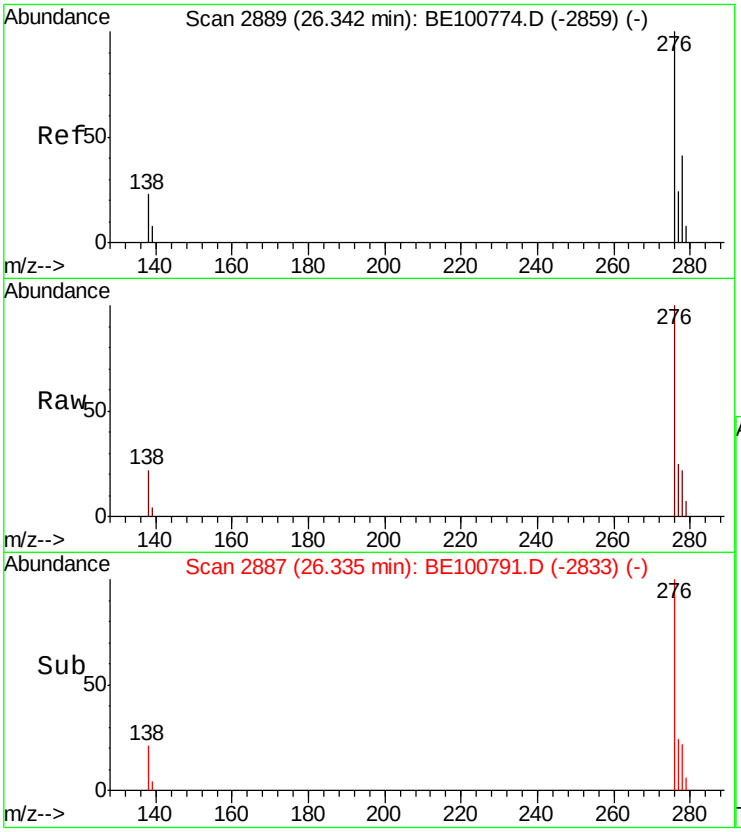


#32
Bis(2-ethylhexyl)phthalate
Concen: 1.821 ng
RT: 21.24 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:149 Resp: 167102

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



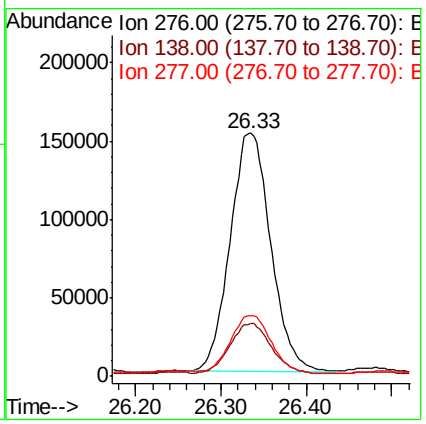


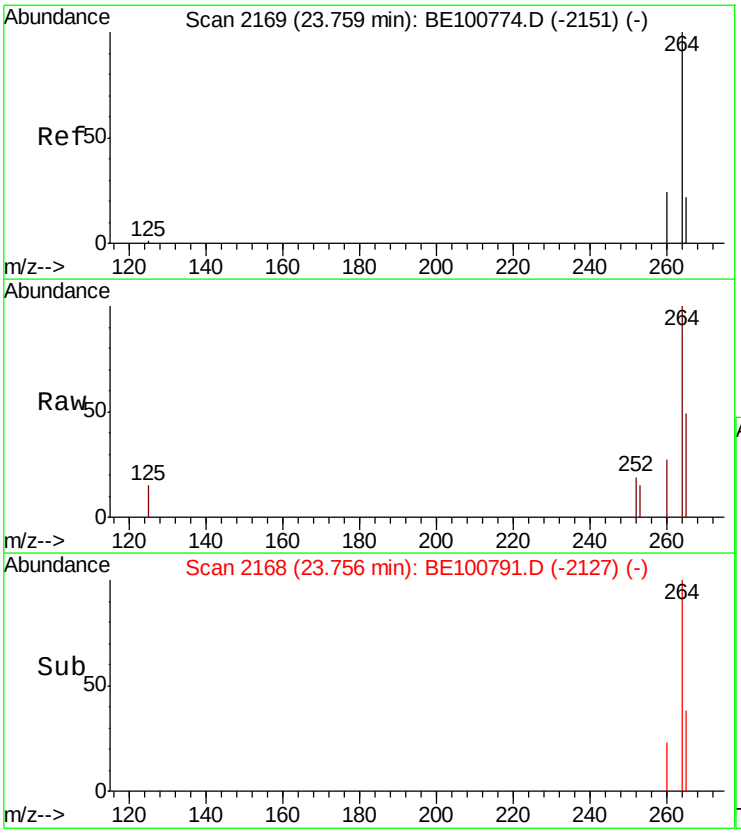
#33
Indeno(1,2,3-cd)pyrene
Concen: 5.015 ng
RT: 26.33 min Scan# 2887
Delta R.T. -0.01 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion:276 Resp: 503514

Ion	Ratio	Lower	Upper
276	100		
138	21.4	19.4	29.0
277	24.8	19.8	29.6

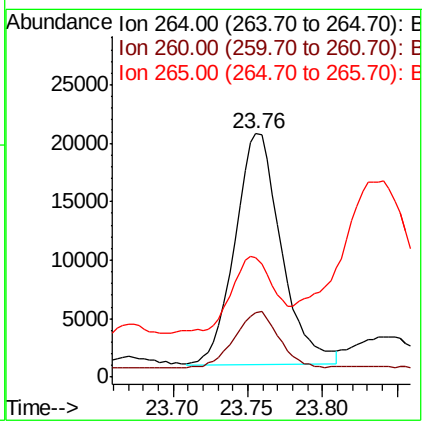


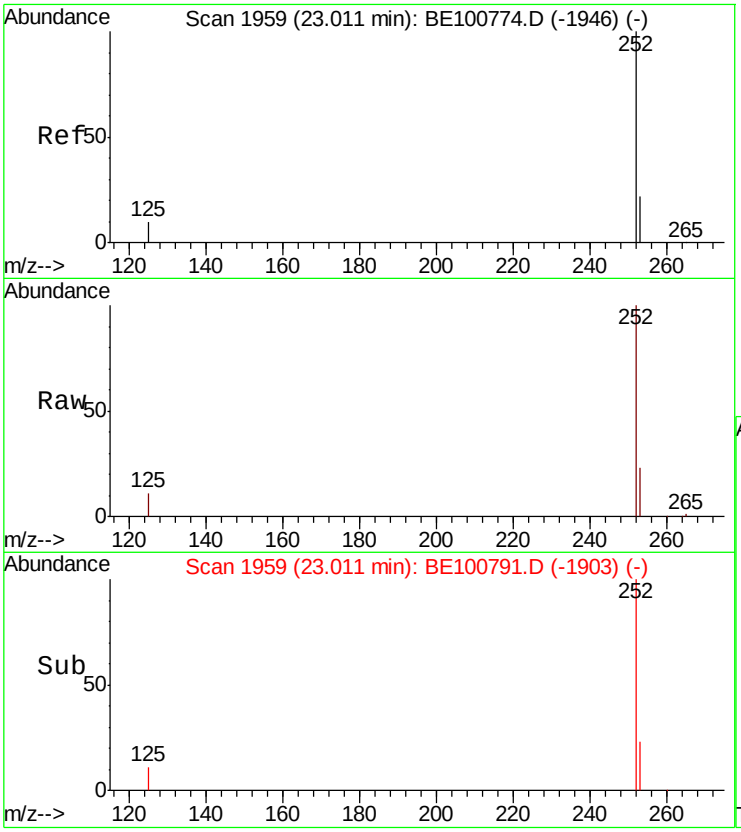


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.76 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:264 Resp: 42454

Ion	Ratio	Lower	Upper
264	100		
260	26.7	19.4	29.2
265	48.9	21.8	32.8#



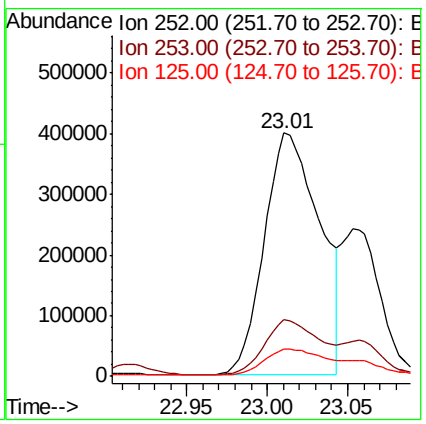


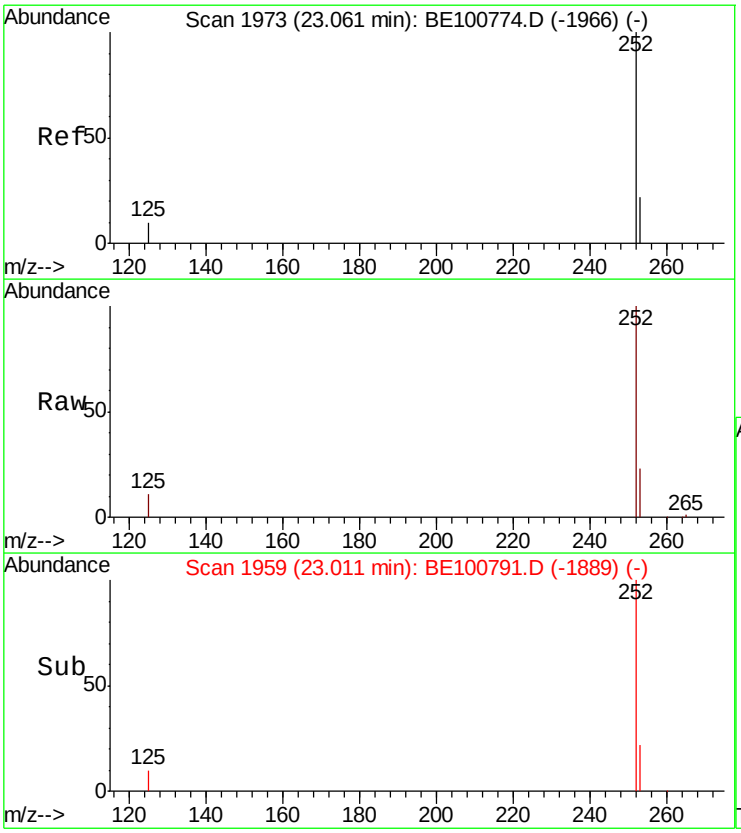
#35
Benzo(b)fluoranthene
Concen: 8.248 ng
RT: 23.01 min Scan# 1959
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion:252 Resp: 958682

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	11.1	9.0	13.4

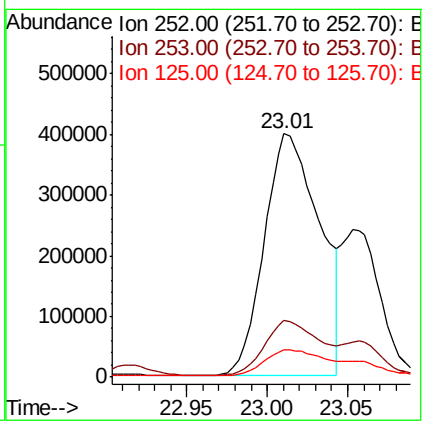


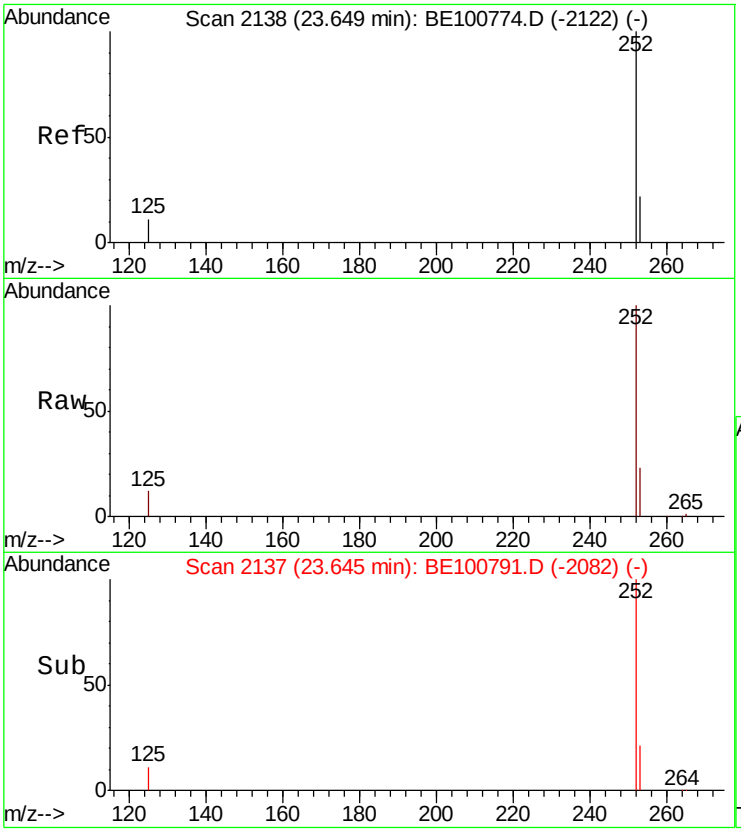


#36
Benzo(k)fluoranthene
Concen: 7.355 ng
RT: 23.01 min Scan# 1959
Delta R.T. -0.05 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:252 Resp: 958682

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	11.1	8.7	13.1



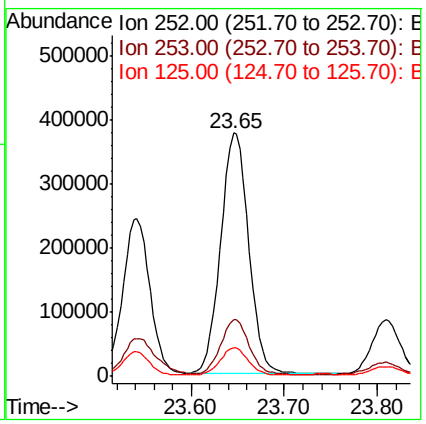


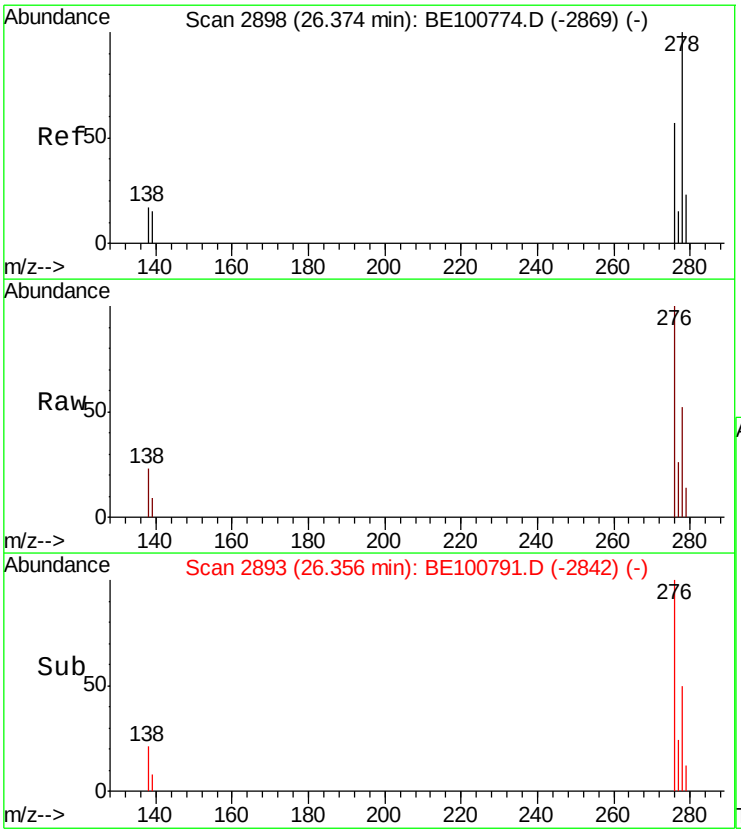
#37
Benzo(a)pyrene
Concen: 7.855 ng
RT: 23.65 min Scan# 2137
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion:252 Resp: 790453

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.4
125	11.6	10.4	15.6

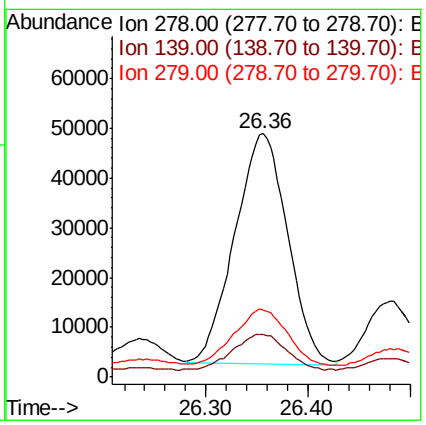


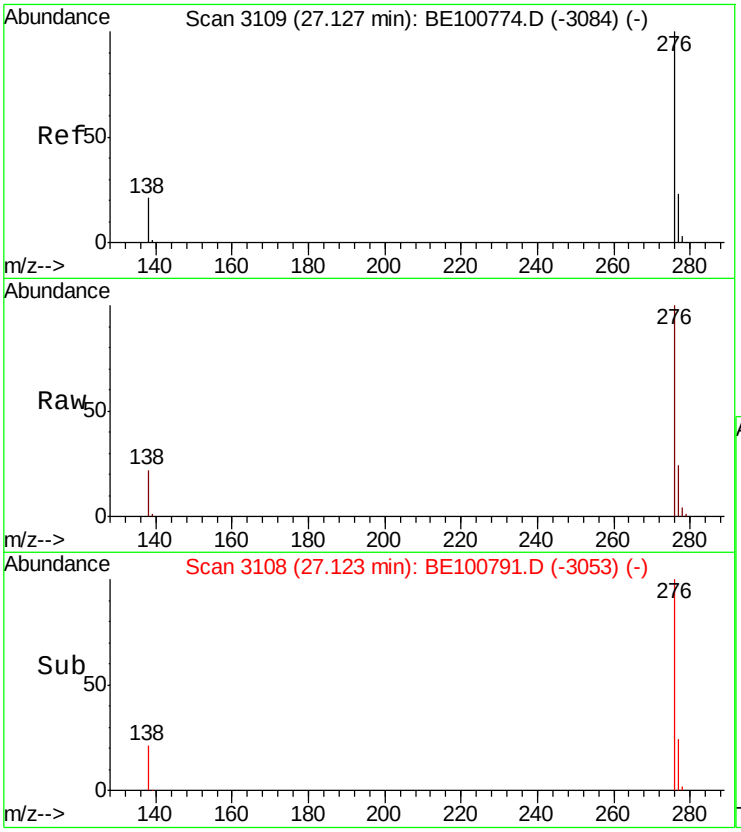


#38
Dibenzo(a,h)anthracene
Concen: 1.664 ng
RT: 26.36 min Scan# 2893
Delta R.T. -0.02 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:278 Resp: 166584

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: 4.648 ng
RT: 27.12 min Scan# 3108
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW178-112519-1MS

Tgt Ion:276 Resp: 497539

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.3	28.9
138	21.6	17.8	26.6