Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092019\
Data File : BE100528.D
Acq On : 20 Sep 2019 15:12
Operator : HP/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICCC0.4

Quant Time: Sep 20 16:21:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 16:06:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	6357	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	28827	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	16293	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	35213	0.40	ng	0.00
27) Chrysene-d12	21.37	240	40136	0.40	ng	0.00
34) Perylene-d12	23.83	264	44177	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	5499	0.33	ng	0.00
5) Phenol-d6	7.02	99	7359	0.33	ng	0.00
8) Nitrobenzene-d5	9.00	82	5951	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	16314	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	953	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	22687	0.40	ng	0.00
25) Fluoranthene-d10	19.22	212	158974	0.37	ng	0.00
29) Terphenyl-d14	19.82	244	36724	0.39	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.34	88	3707	0.377	ng	98
3) n-Nitrosodimethylamine	3.67	42	1633	0.296	ng	100
6) bis(2-Chloroethyl)ether	7.28	93	7812	0.380	ng	100
9) Naphthalene	10.69	128	116639	0.399	ng	100
10) Hexachlorobutadiene	10.99	225	3756	0.408	ng	100
12) 2-Methylnaphthalene	12.31	142	17923	0.380	ng	100
16) Acenaphthylene	14.20	152	24337	0.360	ng	100
17) Acenaphthene	14.54	154	16990	0.382	ng	100
18) Fluorene	15.52	166	21187	0.374	ng	100
20) 4-Bromophenyl-phenylether	16.40	248	6341	0.393	ng	100
21) Hexachlorobenzene	16.52	284	5492	0.400	ng	100
22) Pentachlorophenol	16.88	266	778	0.226	ng	100
23) Phenanthrene	17.24	178	37818	0.393	ng	100
24) Anthracene	17.34	178	29710	0.363	ng	100
26) Fluoranthene	19.26	202	44848	0.385	ng	100
28) Pyrene	19.61	202	44655	0.394	ng	100
30) Benzo(a)anthracene	21.34	228	40919	0.369	ng	100
31) Chrysene	21.40	228	46610	0.397	ng	100
32) Bis(2-ethylhexyl)phthalate	21.28	149	41691	0.314	ng	100
33) Indeno(1,2,3-cd)pyrene	26.45	276	52736	0.380	ng	100
35) Benzo(b)fluoranthene	23.08	252	43475	0.375	ng	100
36) Benzo(k)fluoranthene	23.12	252	51709	0.383	ng	100
37) Benzo(a)pyrene	23.72	252	41669	0.377	ng	100
38) Dibenzo(a,h)anthracene	26.47	278	42979	0.377	ng	100
39) Benzo(g,h,i)perylene	27.24	276	46809	0.397	ng	100

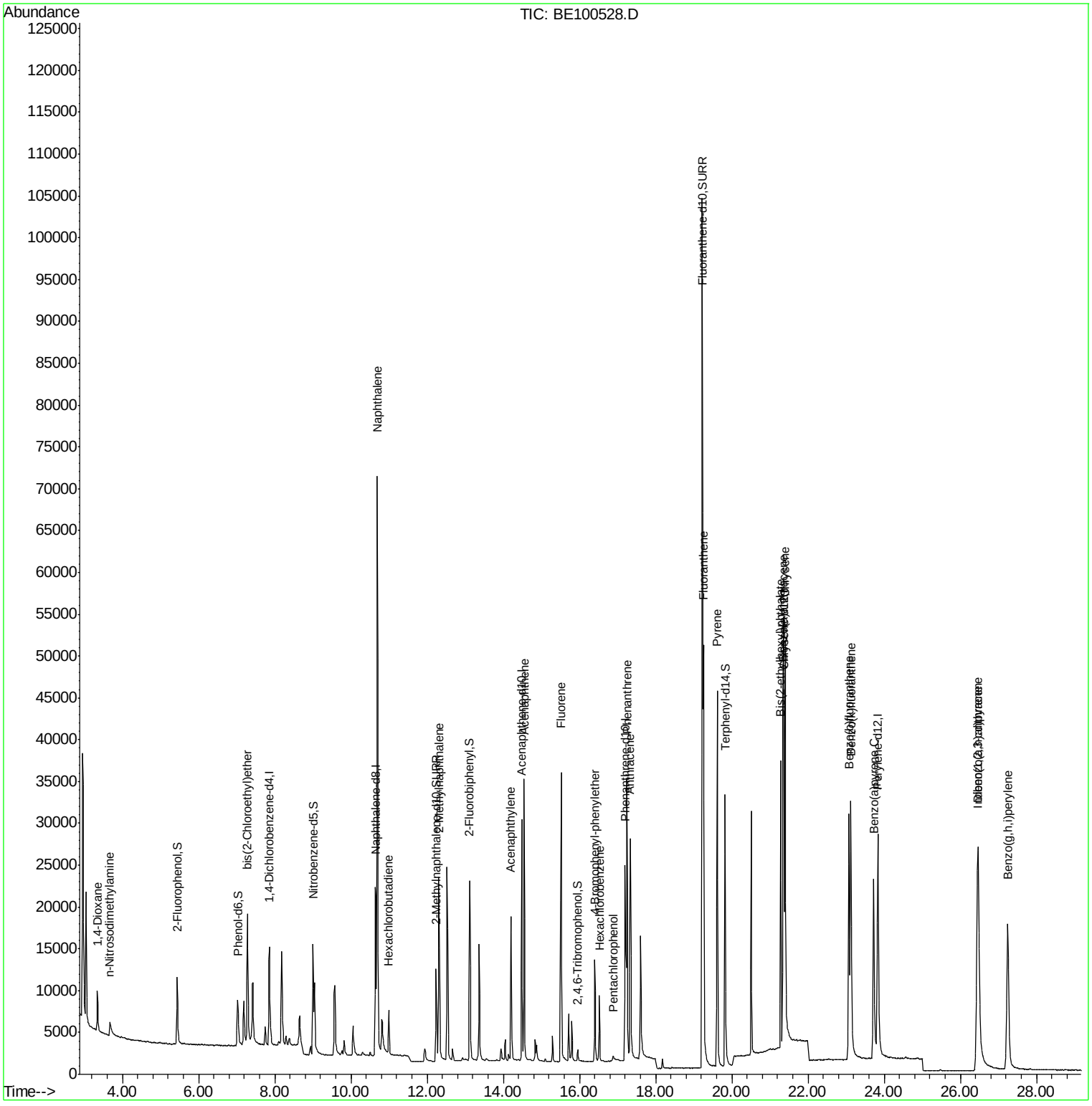
(#) = qualifier out of range (m) = manual integration (+) = signals summed

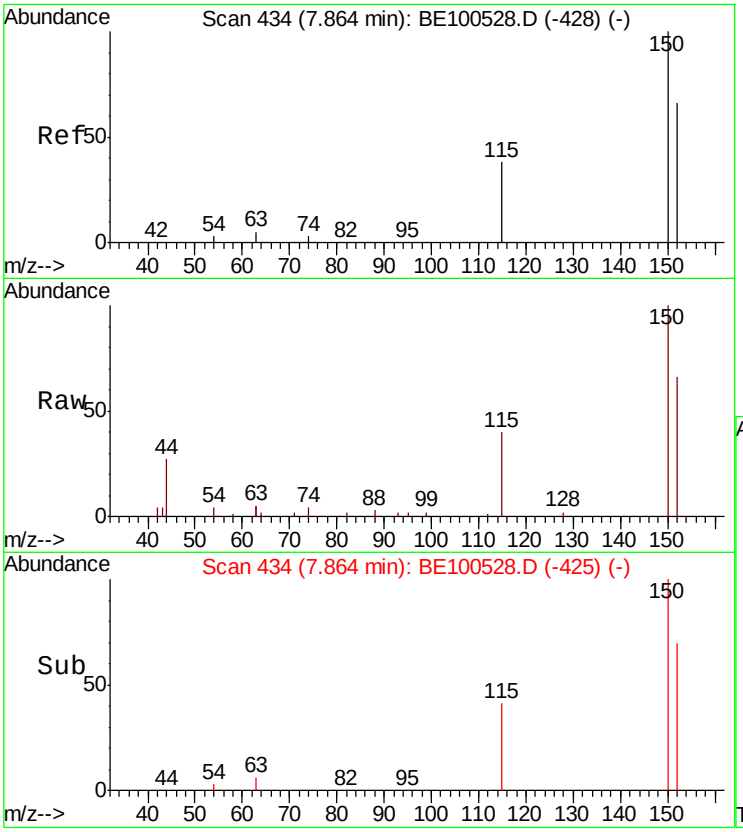
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092019\
Data File : BE100528.D
Acq On : 20 Sep 2019 15:12
Operator : HP/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Quant Time: Sep 20 16:21:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 16:06:36 2019
Response via : Initial Calibration



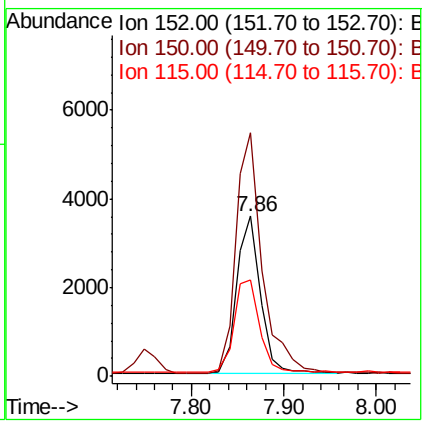


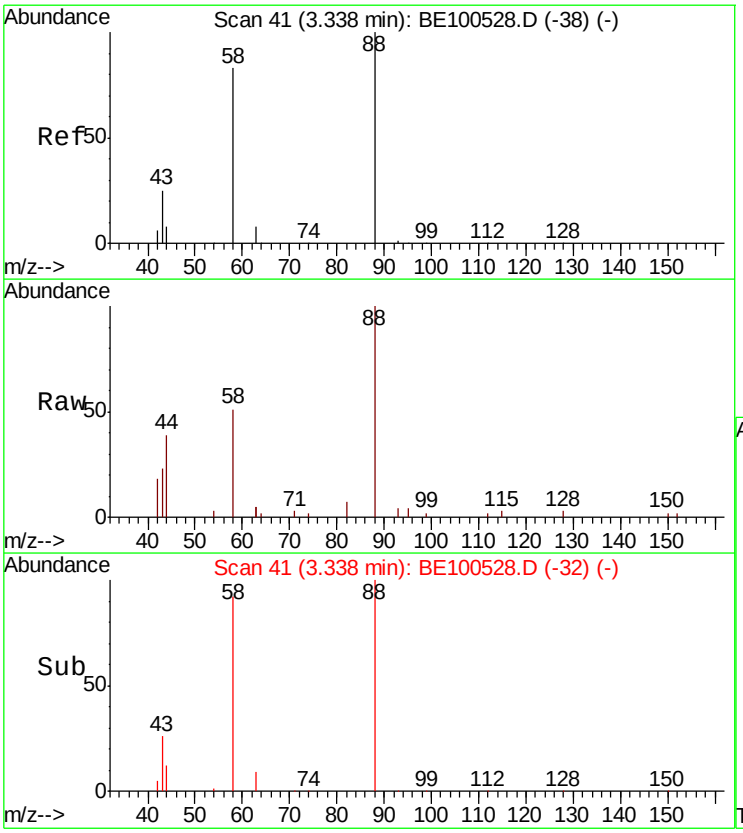
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 6357

Ion	Ratio	Lower	Upper
152	100		
150	152.0	121.6	182.4
115	60.3	48.2	72.4

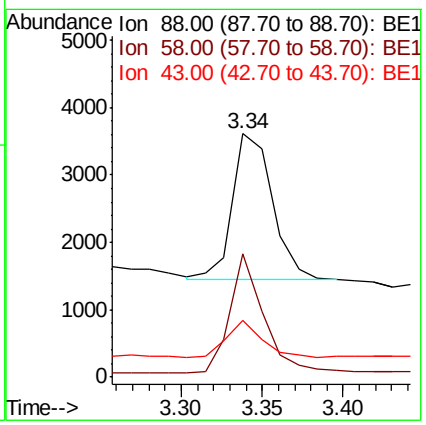


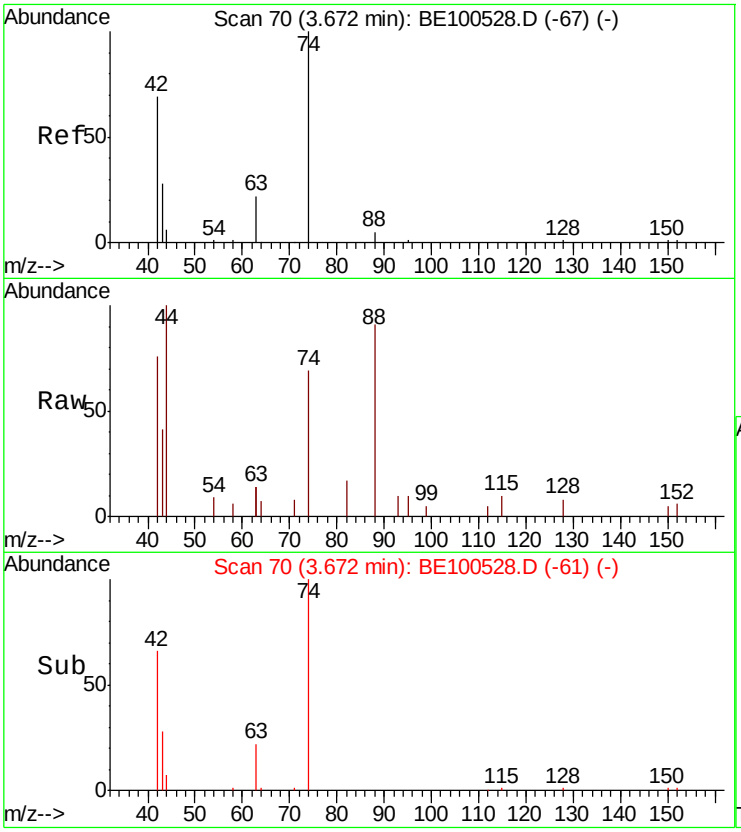


#2
1,4-Dioxane
Concen: 0.377 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion: 88 Resp: 3707

Ion	Ratio	Lower	Upper
88	100		
58	68.2	53.3	79.9
43	21.3	16.9	25.3



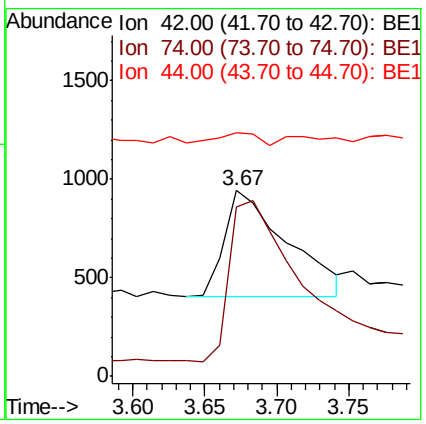


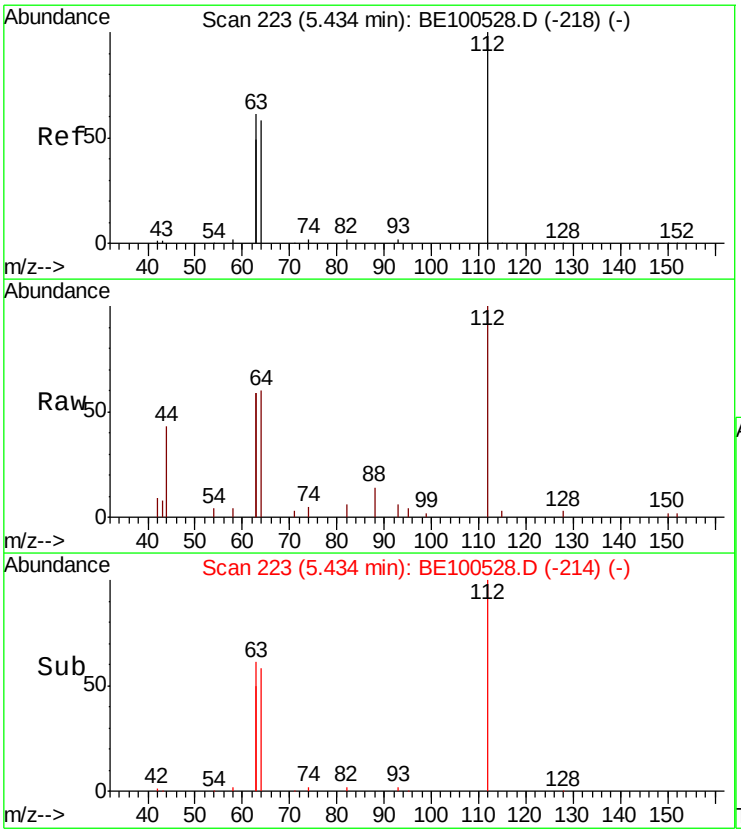
#3
n-Nitrosodimethylamine
Concen: 0.296 ng
RT: 3.67 min Scan# 70
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 1633

Ion	Ratio	Lower	Upper
42	100		
74	167.2	133.8	200.6
44	8.0	6.4	9.6

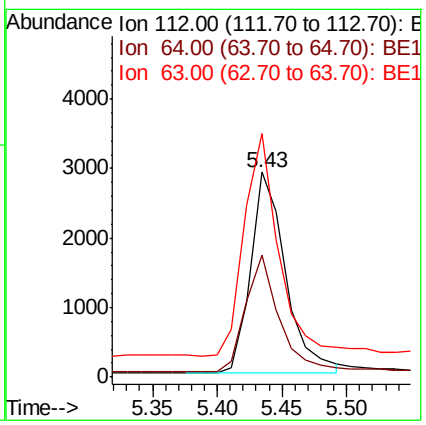


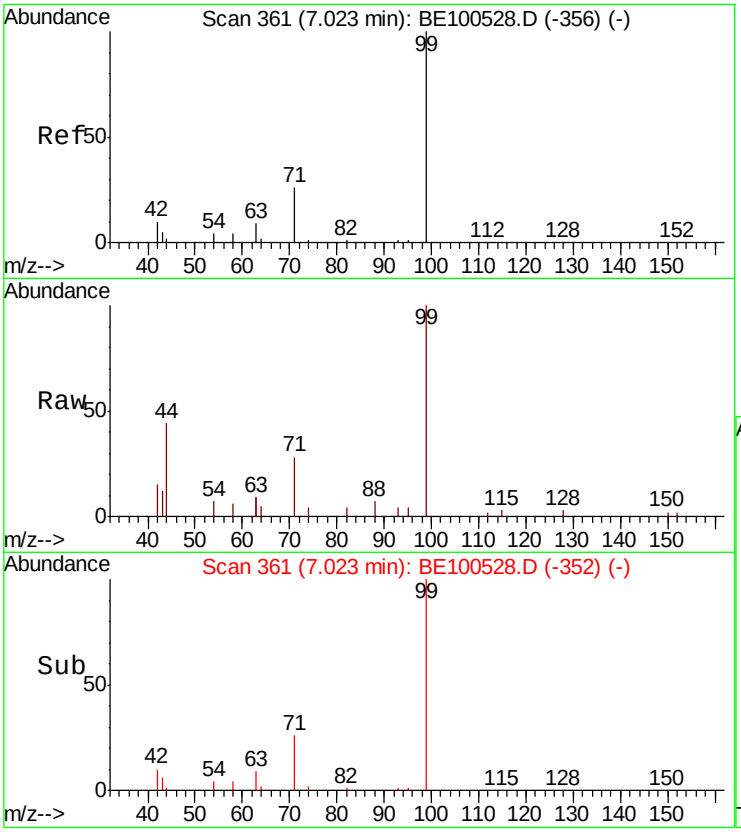


#4
2-Fluorophenol
Concen: 0.330 ng
RT: 5.43 min Scan# 223
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion:112 Resp: 5499

Ion	Ratio	Lower	Upper
112	100		
64	56.0	44.1	66.1
63	108.0	86.5	129.7



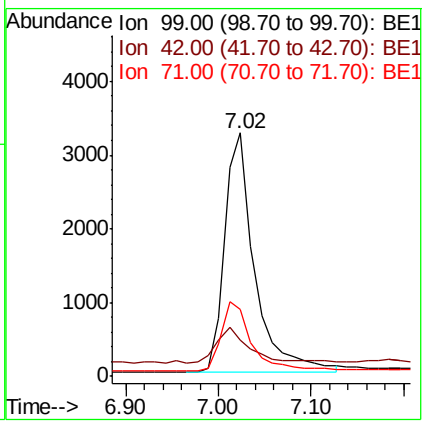


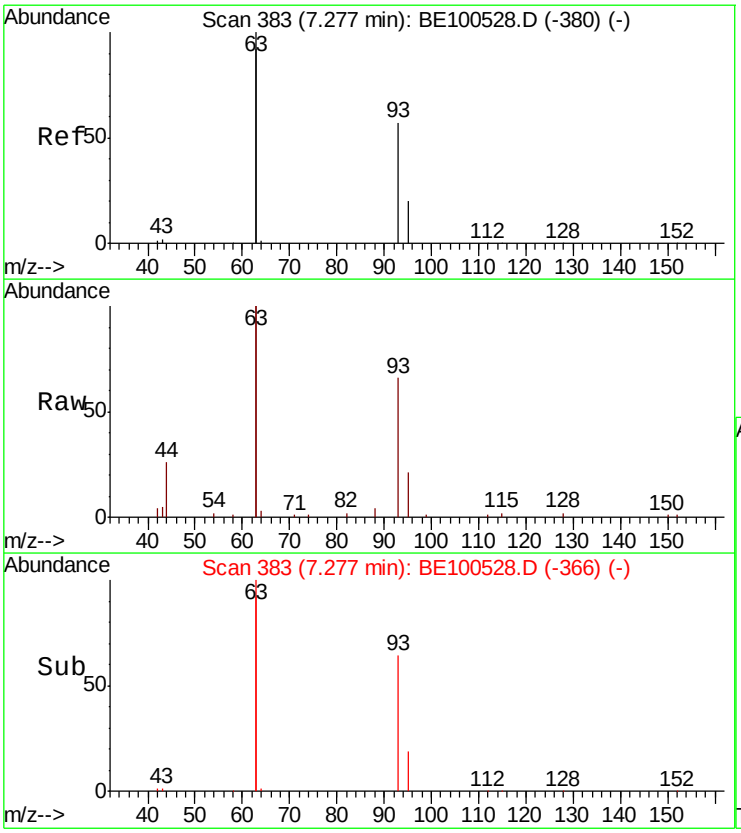
#5
Phenol-d6
Concen: 0.333 ng
RT: 7.02 min Scan# 361
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 7359

Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.0	19.6
71	29.2	23.4	35.0

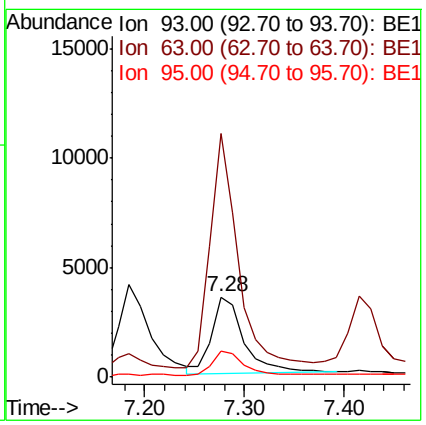


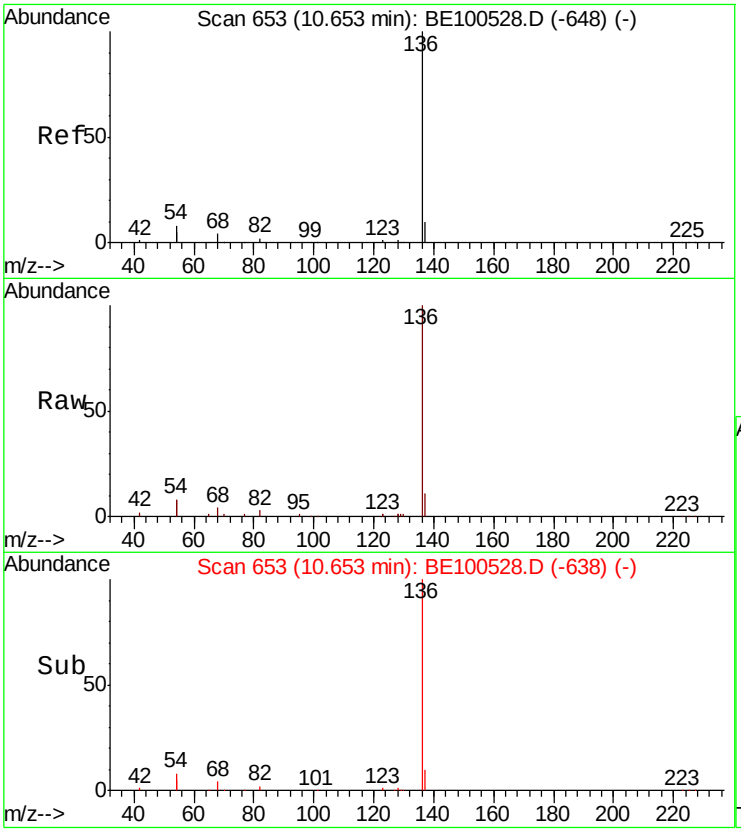


#6
bis(2-Chloroethyl)ether
Concen: 0.380 ng
RT: 7.28 min Scan# 383
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion: 93 Resp: 7812

Ion	Ratio	Lower	Upper
93	100		
63	266.7	213.4	320.0
95	29.6	23.7	35.5



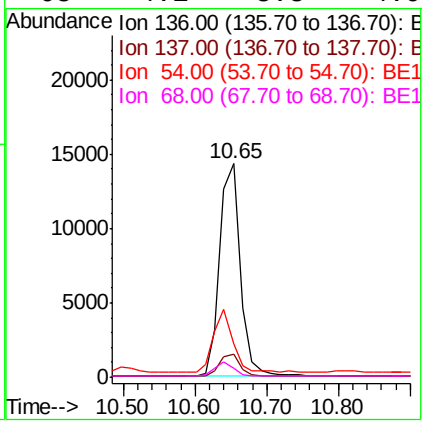


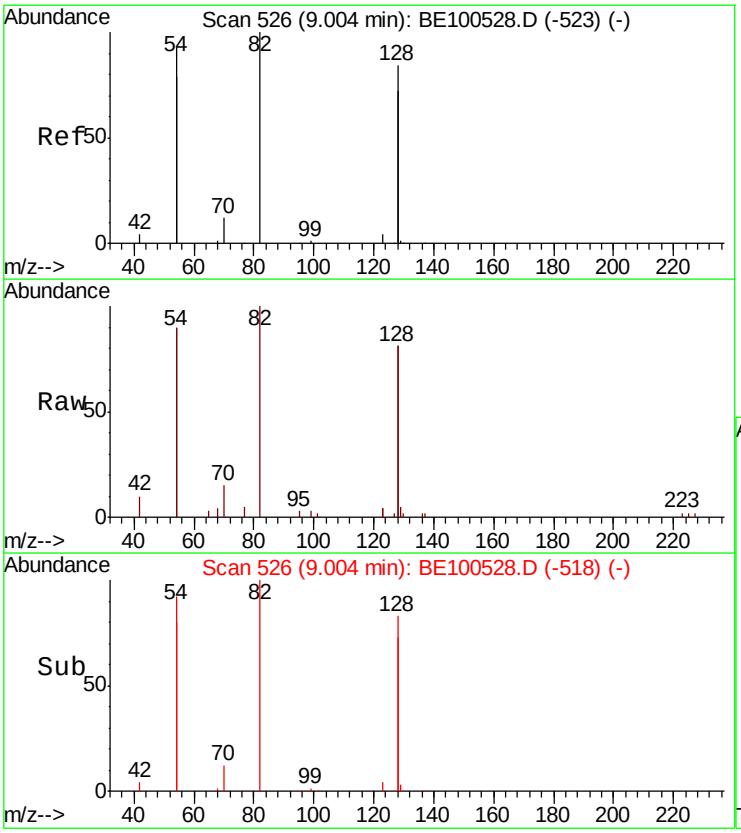
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 653
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 28827

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	15.5	12.4	18.6
68	4.1	3.3	4.9

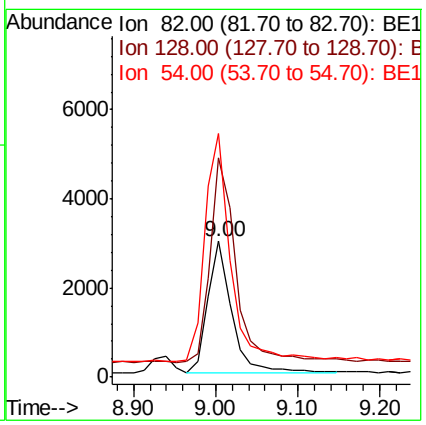


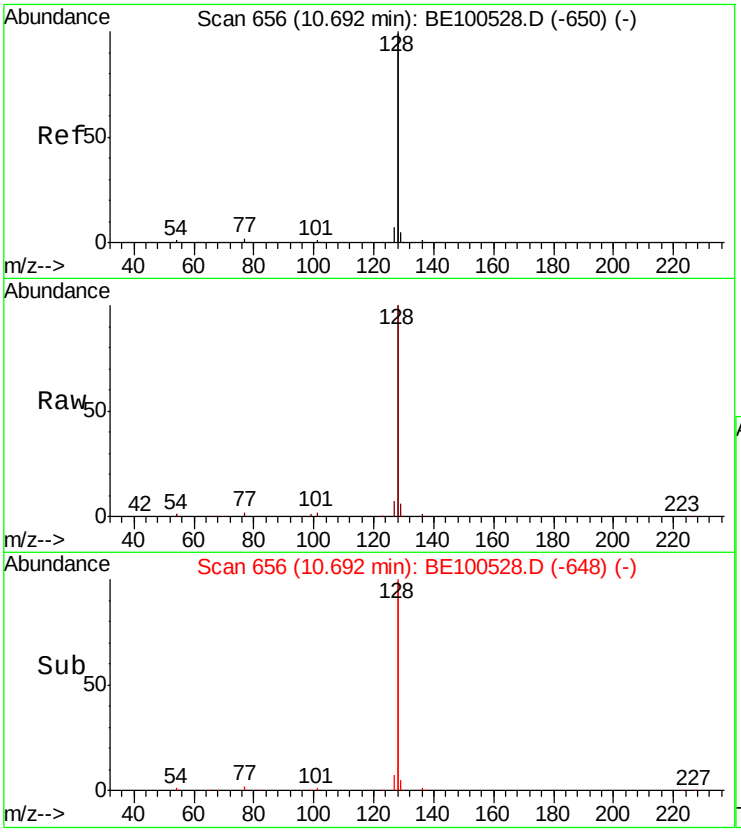


#8
Nitrobenzene-d5
Concen: 0.375 ng
RT: 9.00 min Scan# 526
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion: 82 Resp: 5951

Ion	Ratio	Lower	Upper
82	100		
128	161.8	129.4	194.2
54	179.1	143.3	214.9



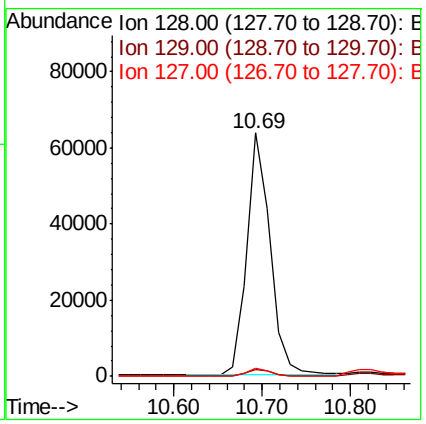


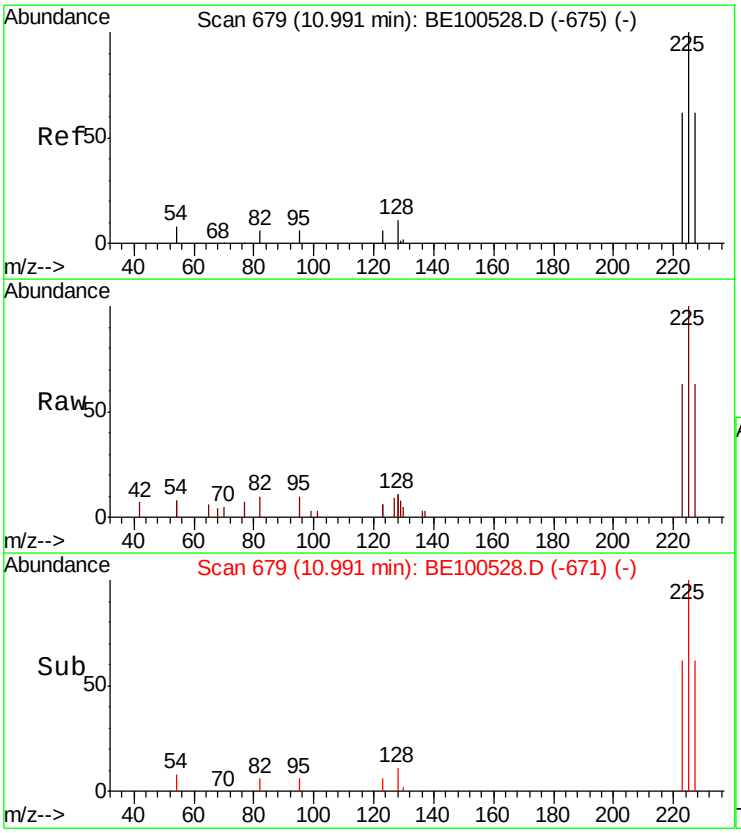
#9
Naphthalene
Concen: 0.399 ng
RT: 10.69 min Scan# 656
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 116639

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

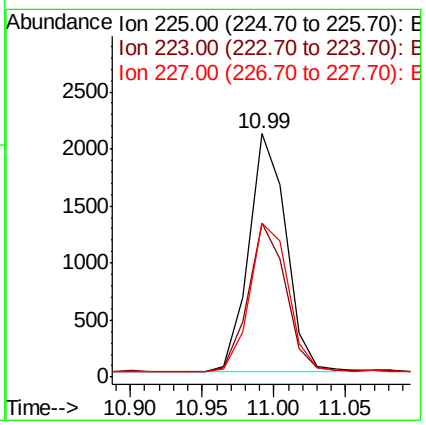


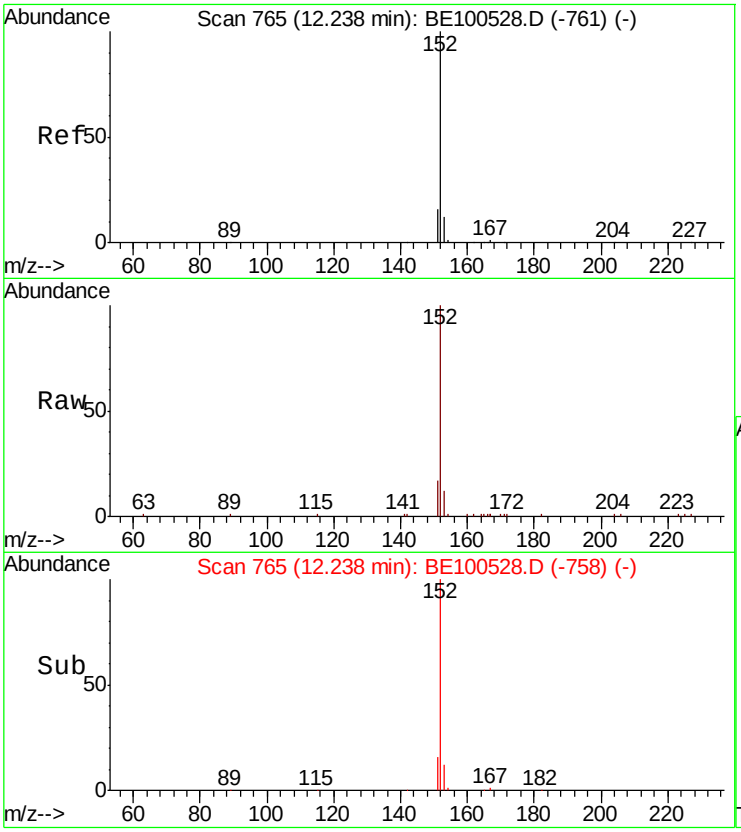


#10
Hexachlorobutadiene
Concen: 0.408 ng
RT: 10.99 min Scan# 679
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion:225 Resp: 3756

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.7	74.5
227	64.3	51.4	77.2



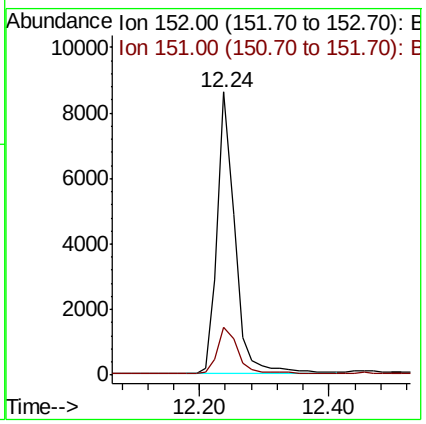


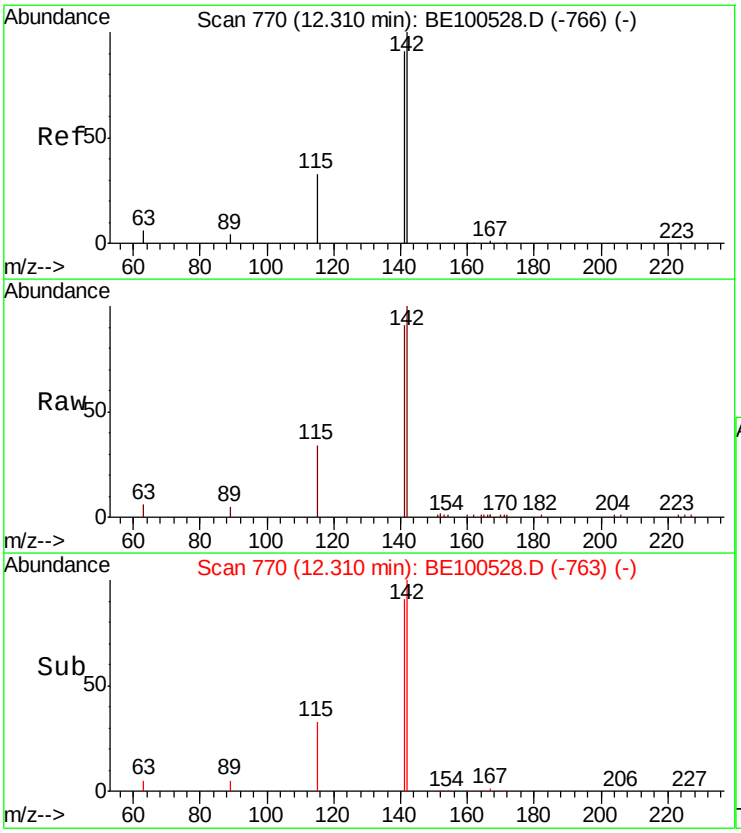
#11
2-Methylnaphthalene-d10
Concen: 0.374 ng
RT: 12.24 min Scan# 765
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 16314

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.3	22.9

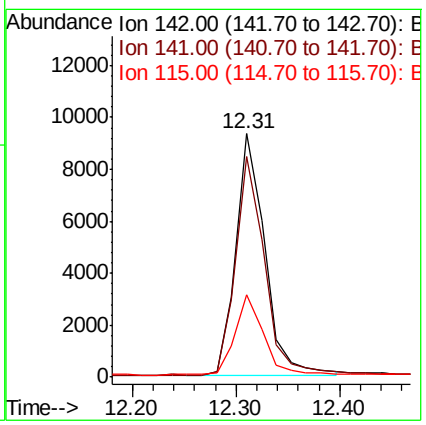


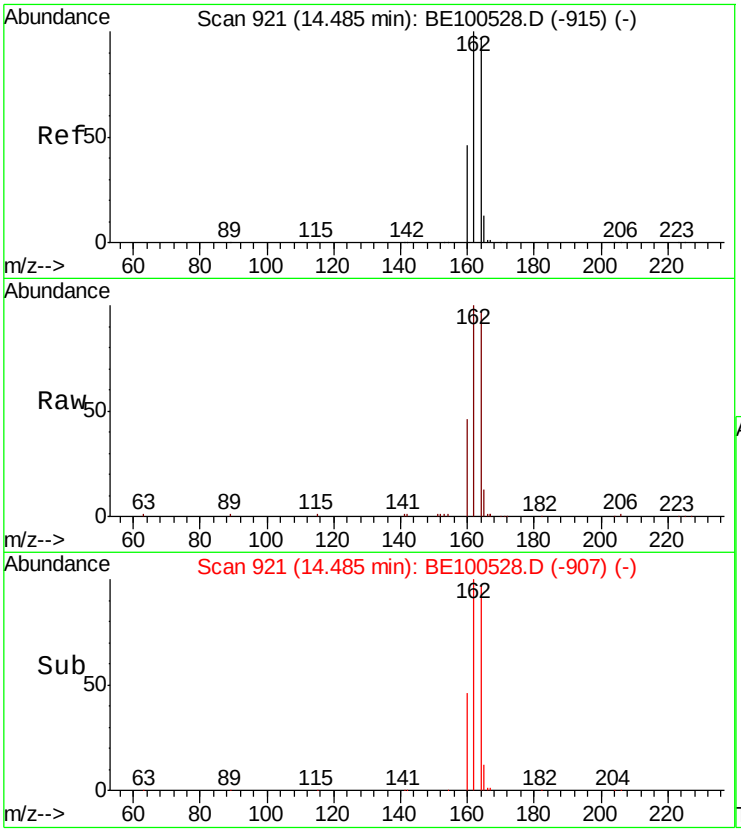


#12
2-Methylnaphthalene
Concen: 0.380 ng
RT: 12.31 min Scan# 770
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion:142 Resp: 17923

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.5	108.7
115	34.0	27.2	40.8



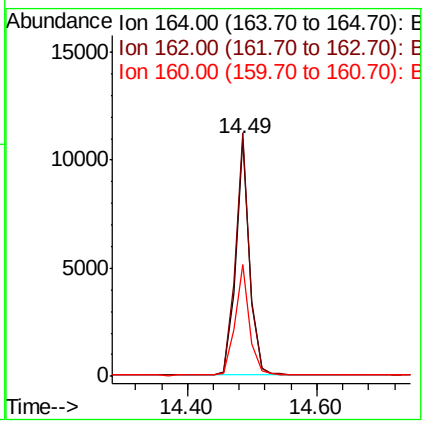


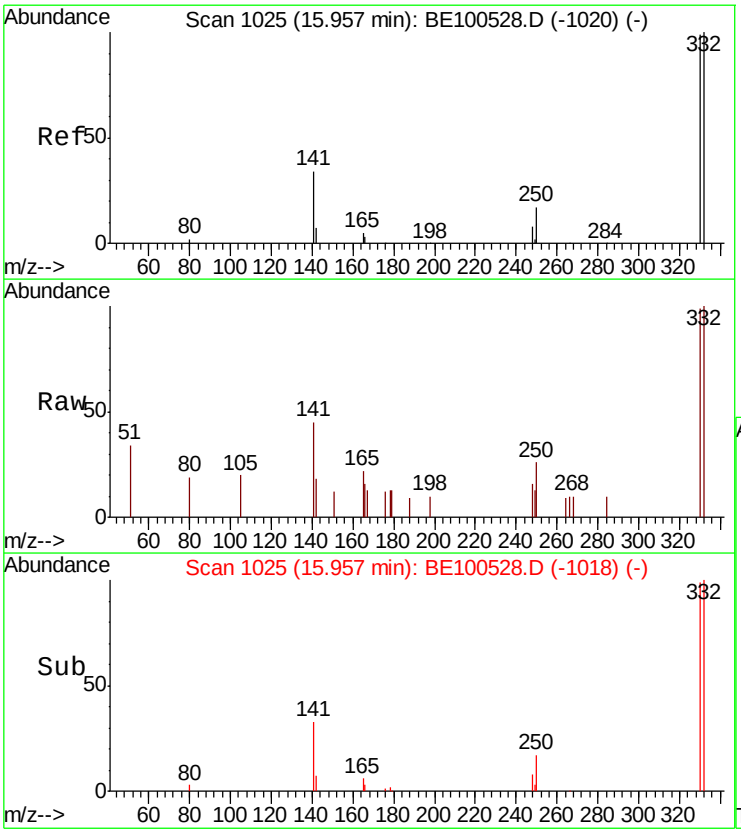
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 16293

Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.1	123.1
160	47.0	37.6	56.4

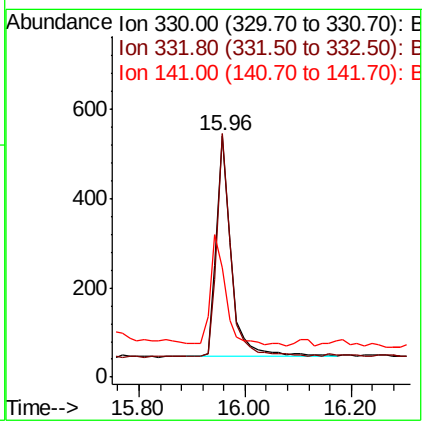


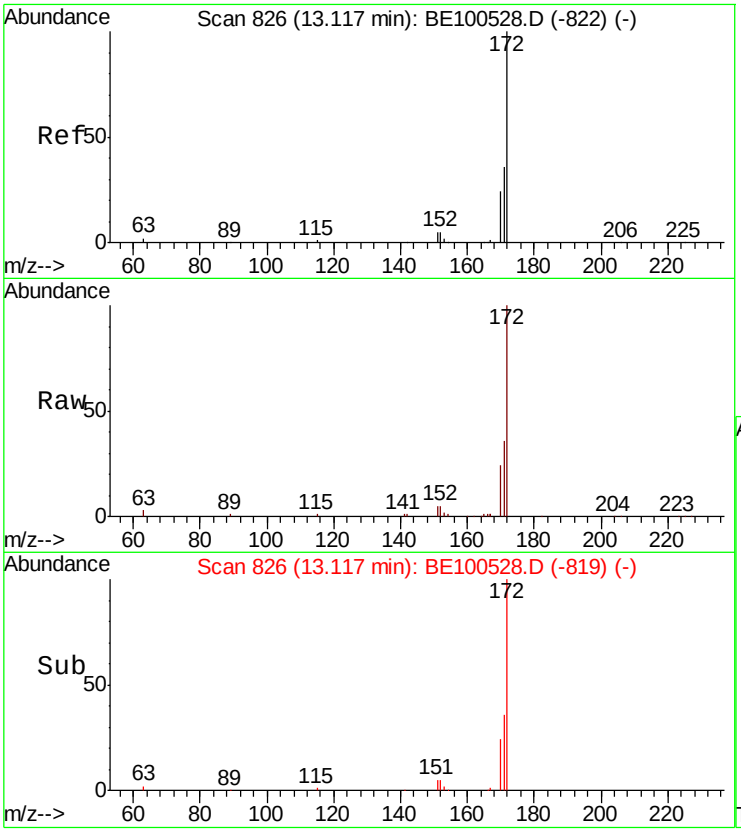


#14
2,4,6-Tribromophenol
Concen: 0.304 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion:330 Resp: 953

Ion	Ratio	Lower	Upper
330	100		
332	94.4	75.5	113.3
141	52.9	42.3	63.5



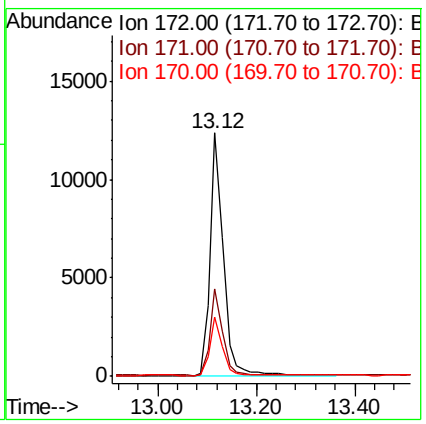


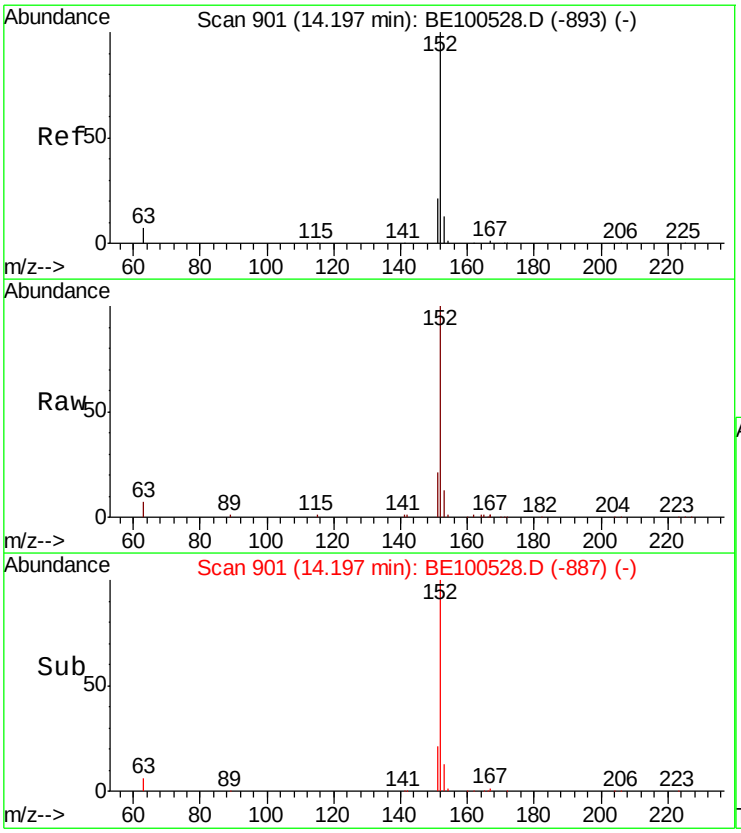
#15
2-Fluorobiphenyl
Concen: 0.401 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 22687

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	24.2	19.4	29.0

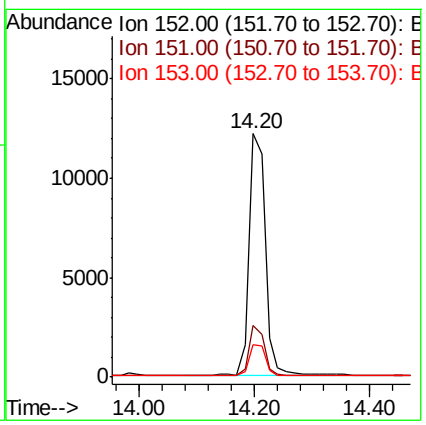


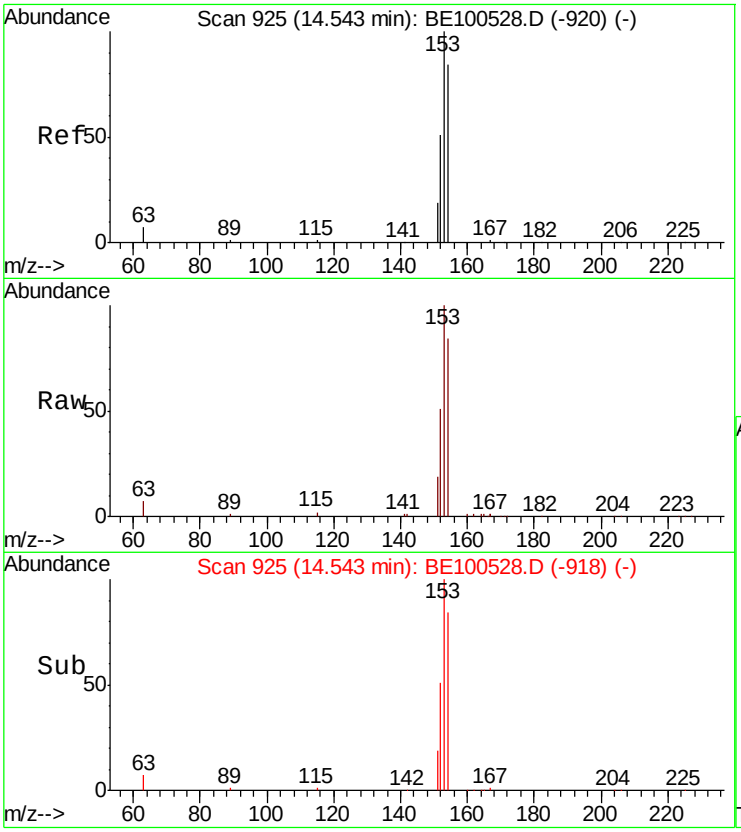


#16
Acenaphthylene
Concen: 0.360 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion:152 Resp: 24337

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.4	10.7	16.1



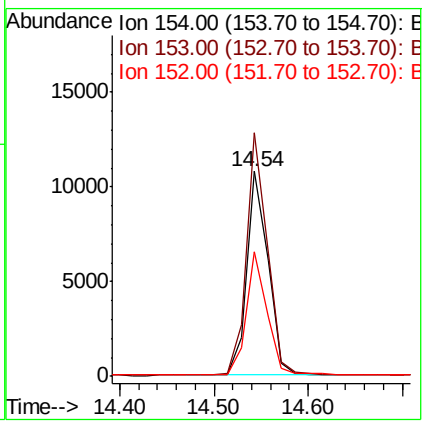


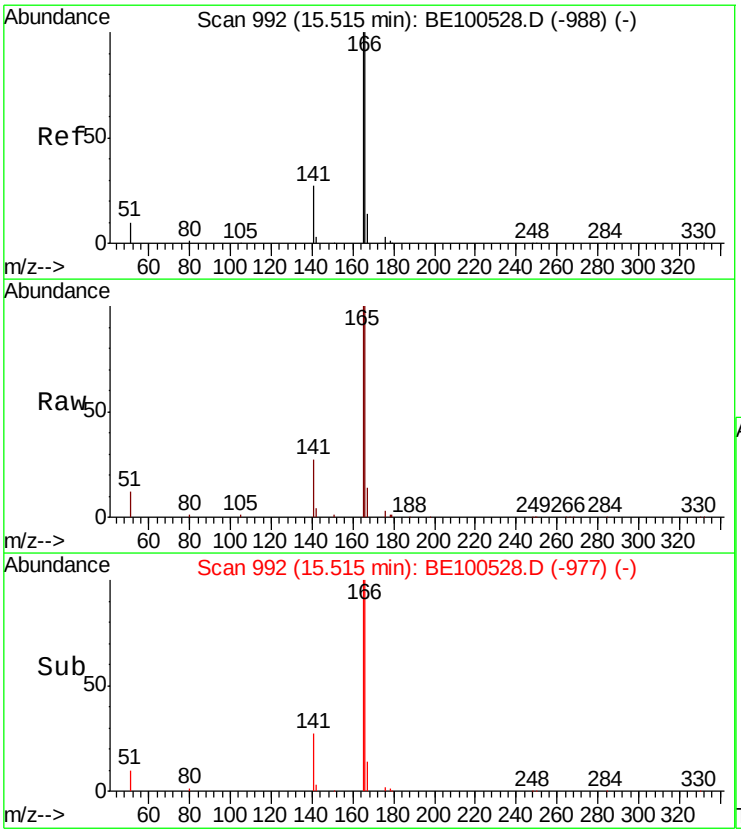
#17
Acenaphthene
Concen: 0.382 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 16990

Ion	Ratio	Lower	Upper
154	100		
153	117.1	93.7	140.5
152	59.1	47.3	70.9

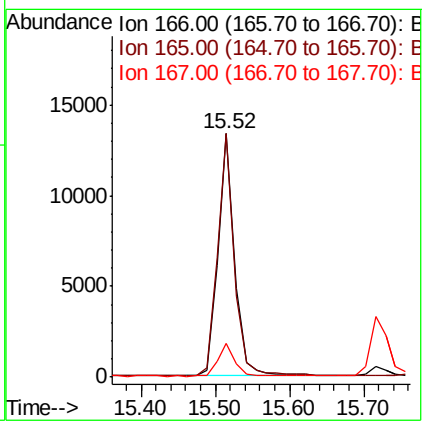


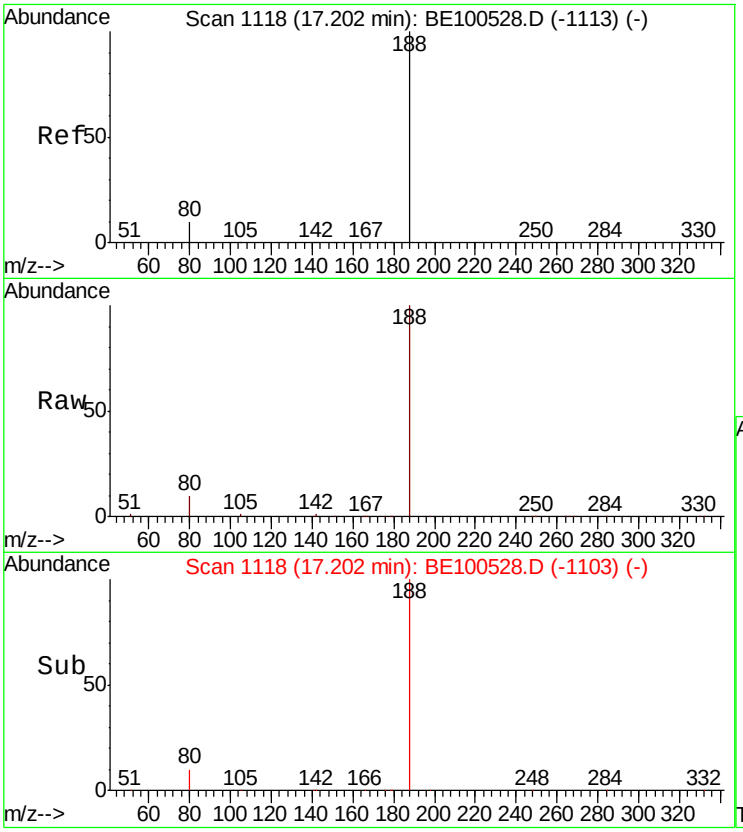


#18
Fluorene
Concen: 0.374 ng
RT: 15.52 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion:166 Resp: 21187

Ion	Ratio	Lower	Upper
166	100		
165	100.1	80.1	120.1
167	13.6	10.9	16.3



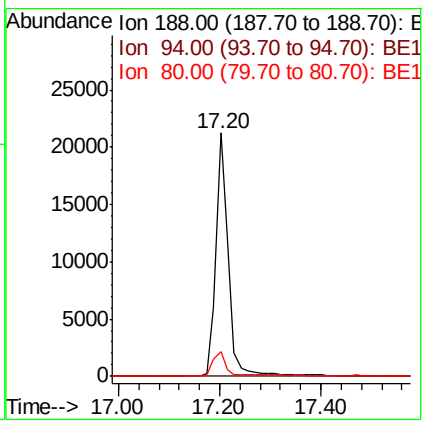


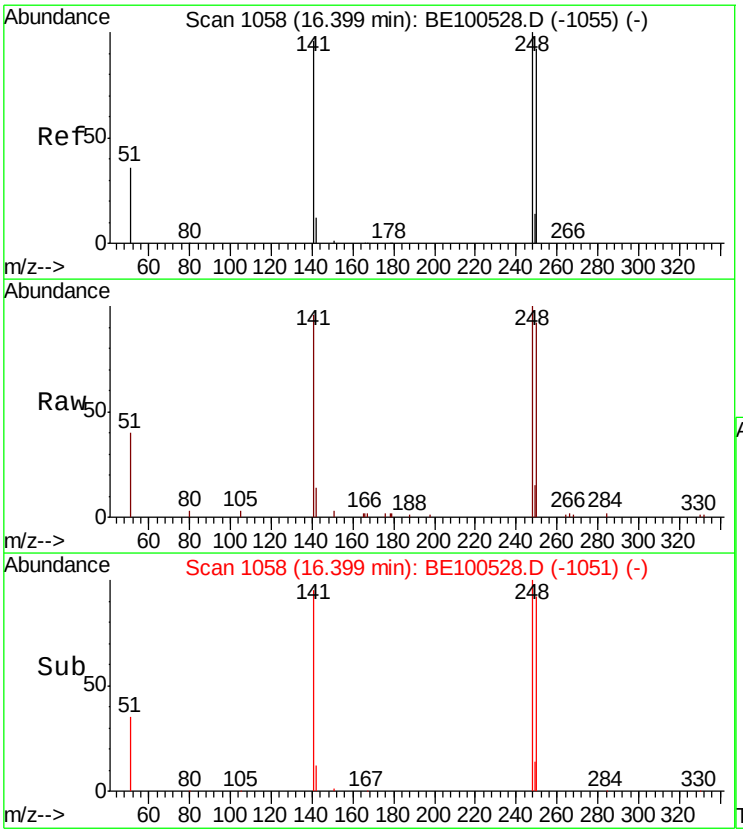
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 35213

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	8.0	12.0

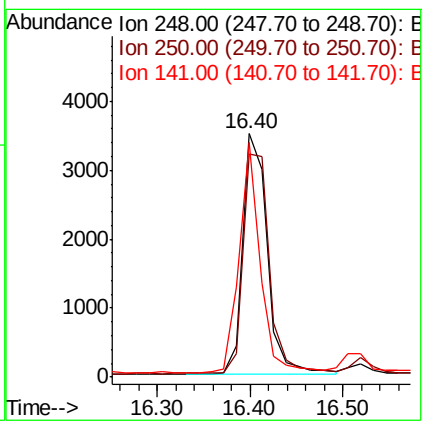


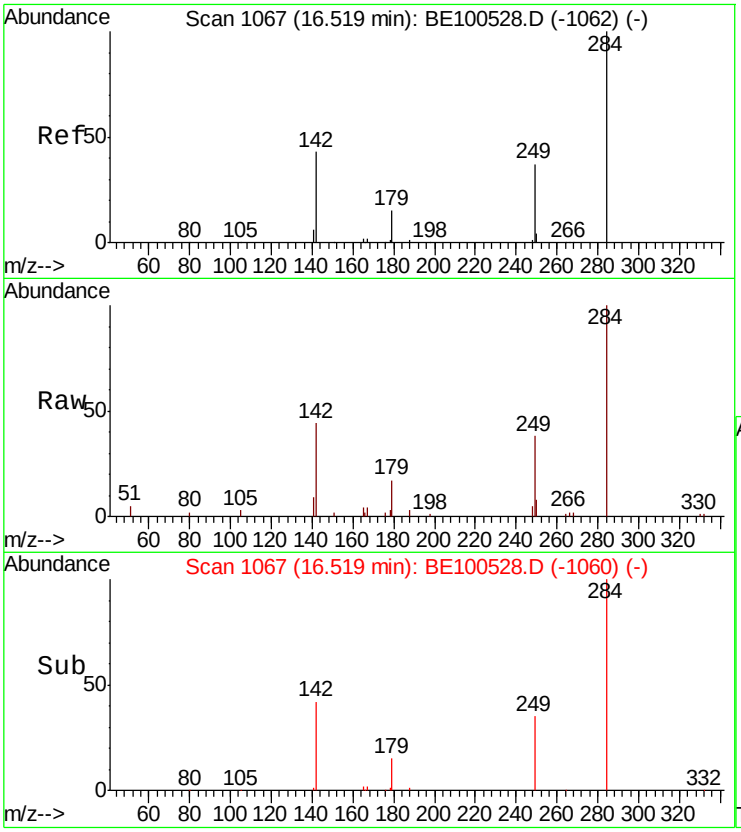


#20
4-Bromophenyl-phenylether
Concen: 0.393 ng
RT: 16.40 min Scan# 1058
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion:248 Resp: 6341

Ion	Ratio	Lower	Upper
248	100		
250	91.9	73.5	110.3
141	96.2	77.0	115.4



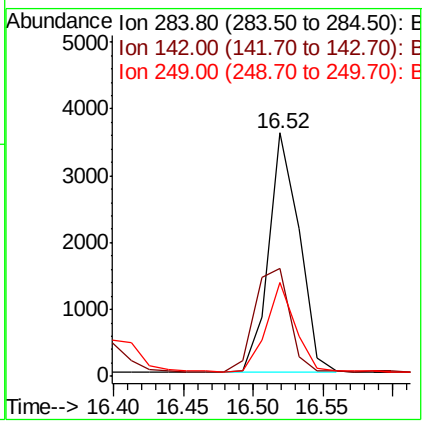


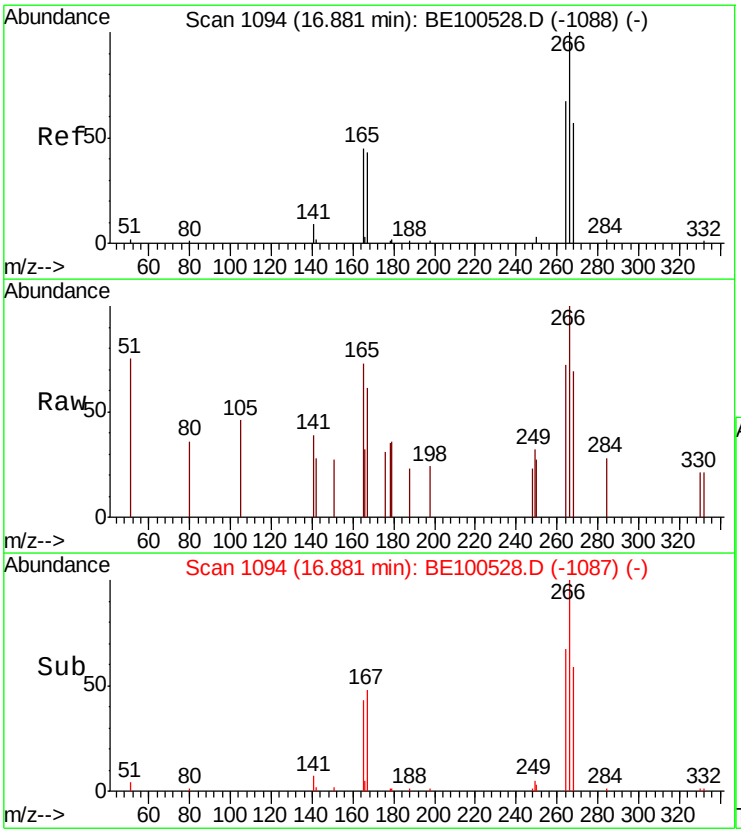
#21
Hexachlorobenzene
Concen: 0.400 ng
RT: 16.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:284 Resp: 5492

Ion	Ratio	Lower	Upper
284	100		
142	48.8	39.0	58.6
249	35.2	28.2	42.2

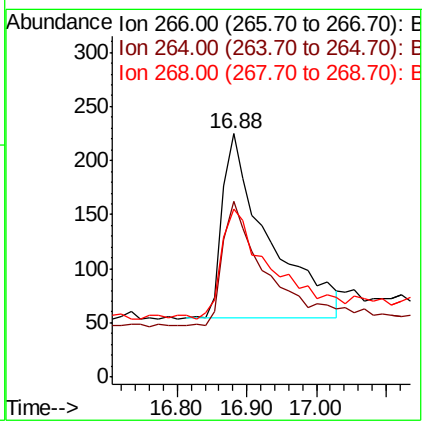


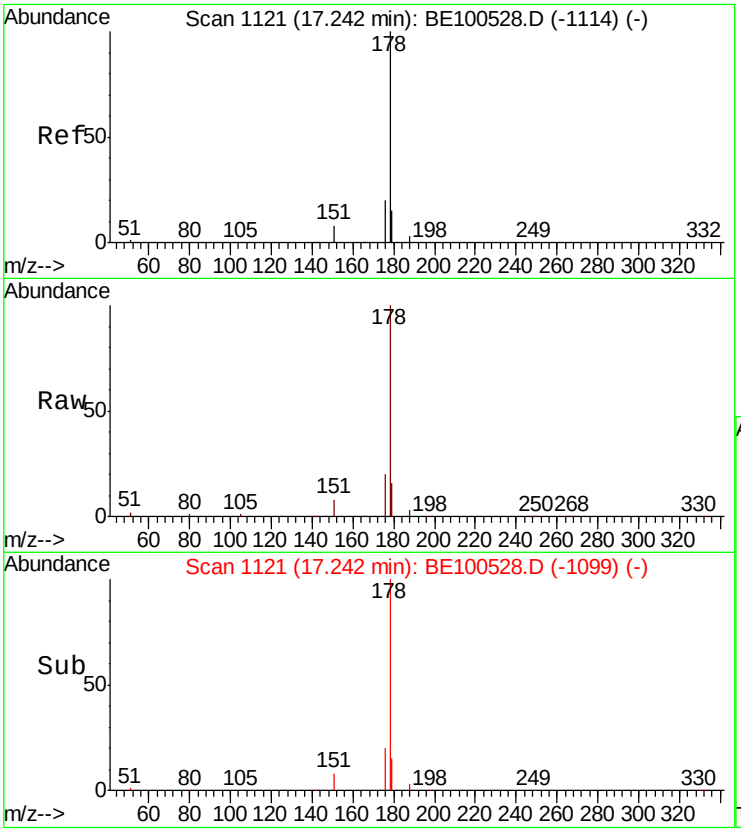


#22
Pentachlorophenol
Concen: 0.226 ng
RT: 16.88 min Scan# 1094
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion:266 Resp: 778

Ion	Ratio	Lower	Upper
266	100		
264	72.0	57.6	86.4
268	68.9	55.1	82.7



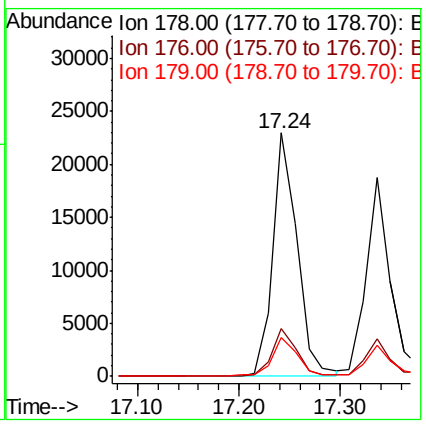


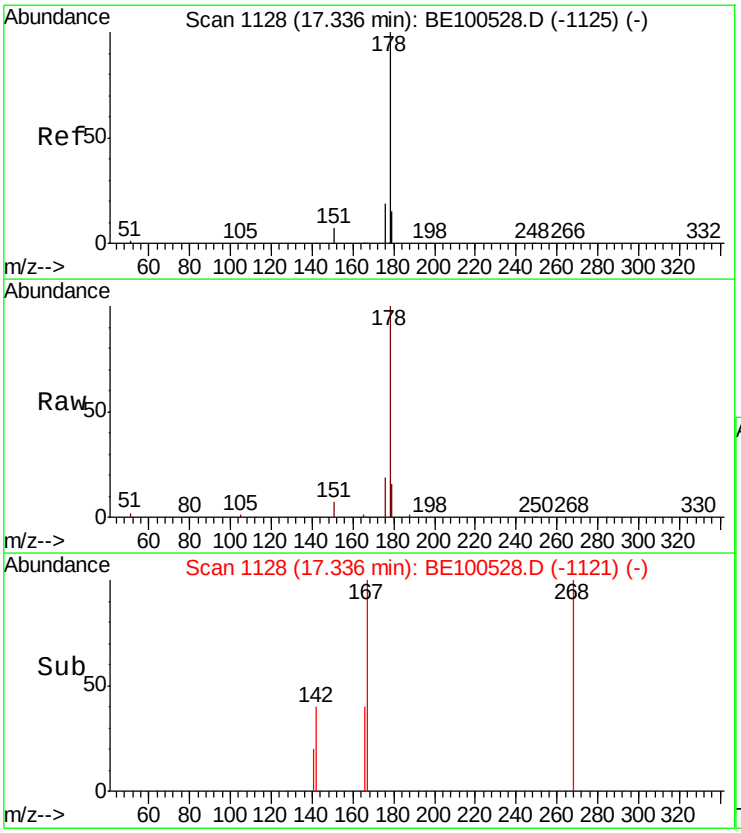
#23
Phenanthrene
Concen: 0.393 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 37818

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.7	12.6	18.8

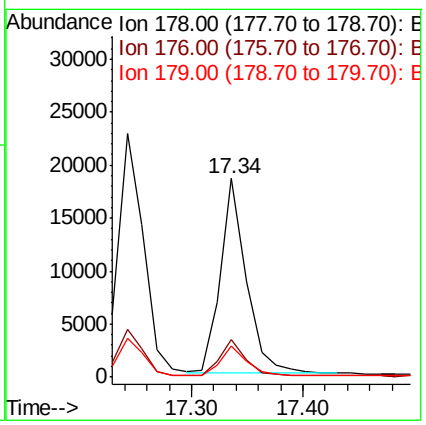


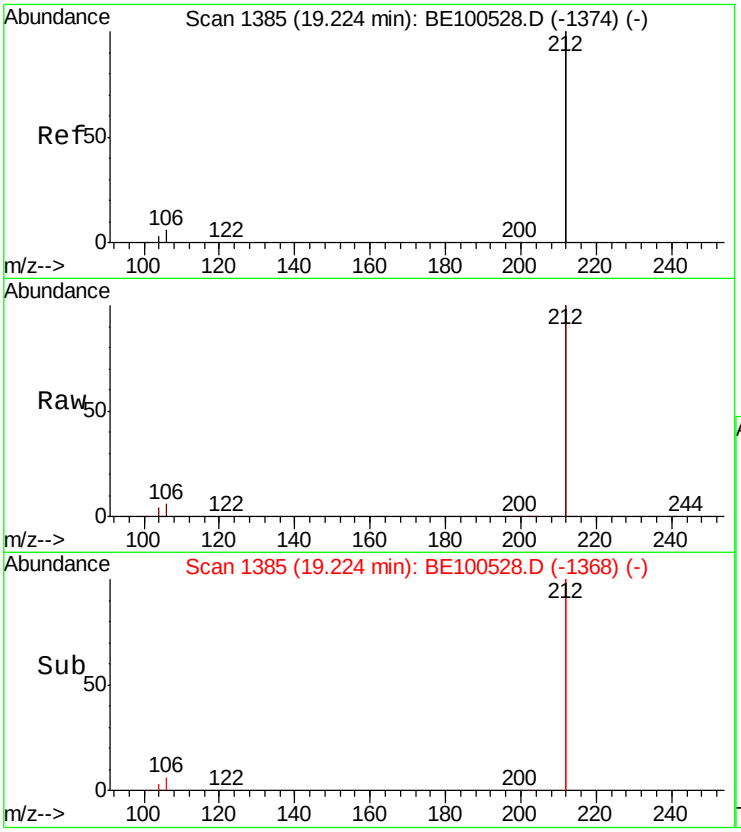


#24
Anthracene
Concen: 0.363 ng
RT: 17.34 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion:178 Resp: 29710

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.3	12.2	18.4



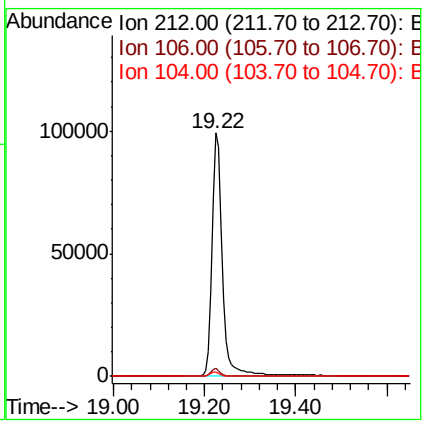


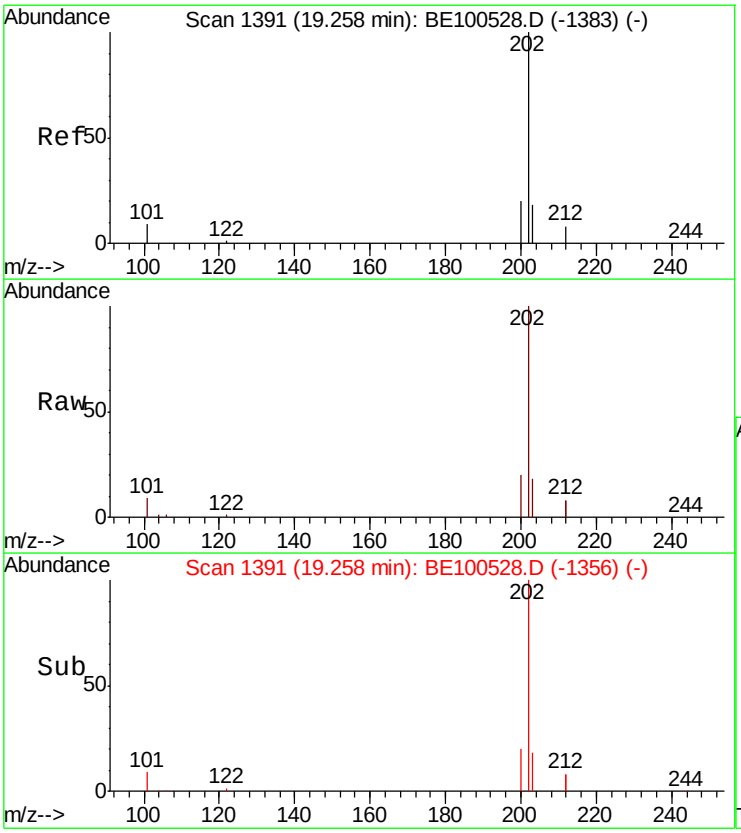
#25
Fluoranthene-d10
Concen: 0.368 ng
RT: 19.22 min Scan# 1385
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 158974

Ion	Ratio	Lower	Upper
212	100		
106	2.9	2.3	3.5
104	1.6	1.3	1.9

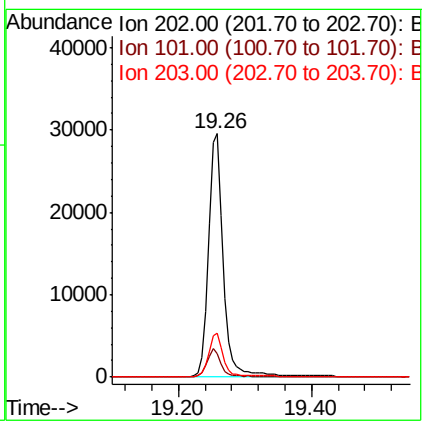


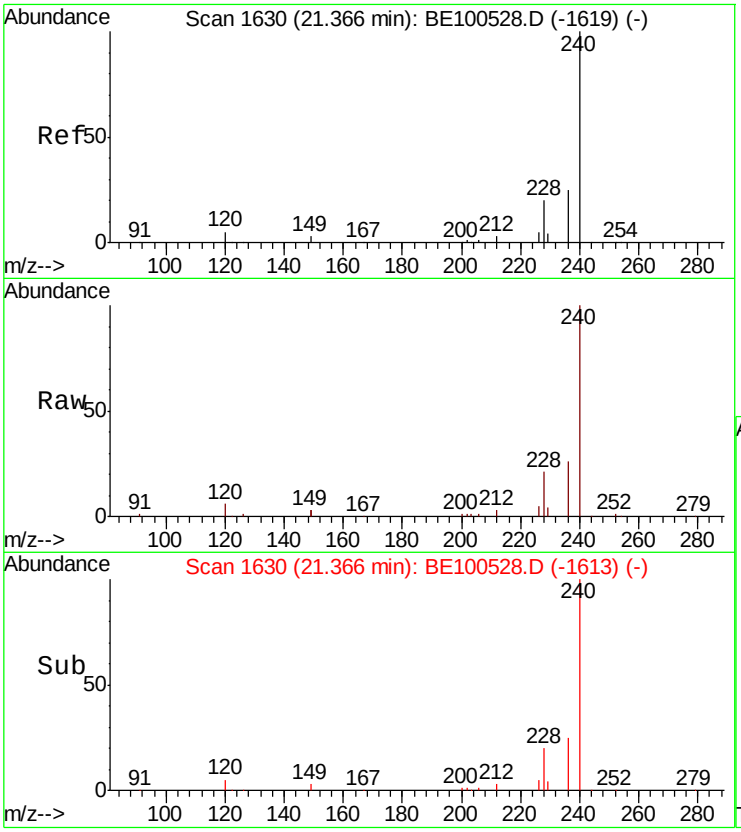


#26
Fluoranthene
Concen: 0.385 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion:202 Resp: 44848

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.8	13.2
203	17.1	13.7	20.5



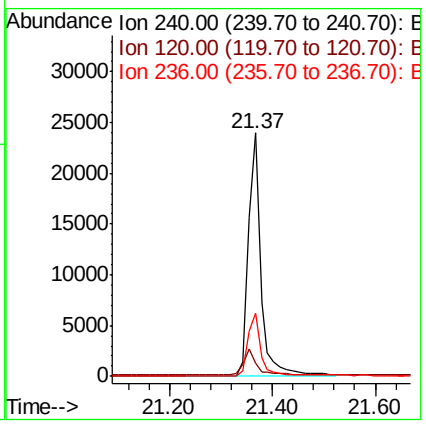


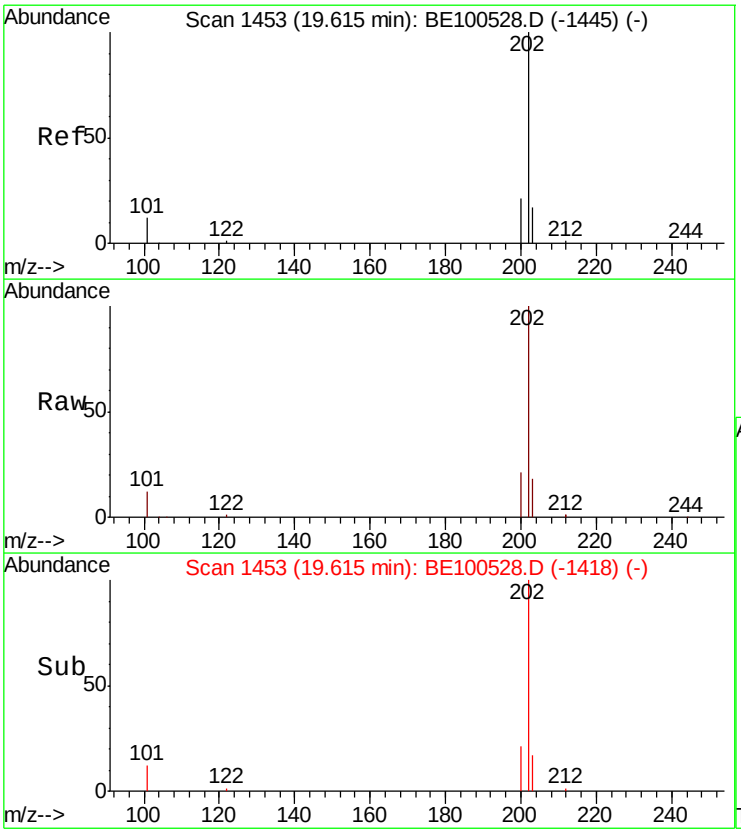
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 40136

Ion	Ratio	Lower	Upper
240	100		
120	5.6	4.5	6.7
236	25.7	20.6	30.8

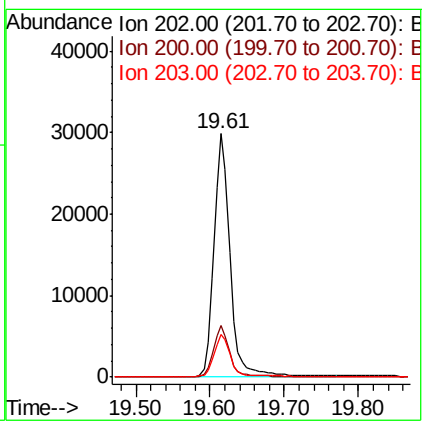


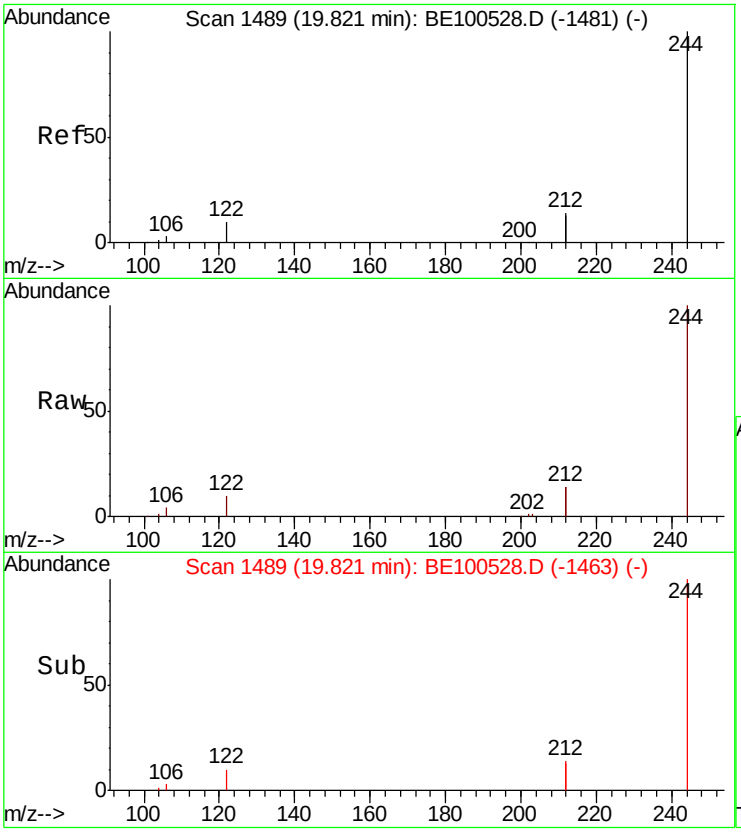


#28
Pyrene
Concen: 0.394 ng
RT: 19.61 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion:202 Resp: 44655

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.5	14.0	21.0



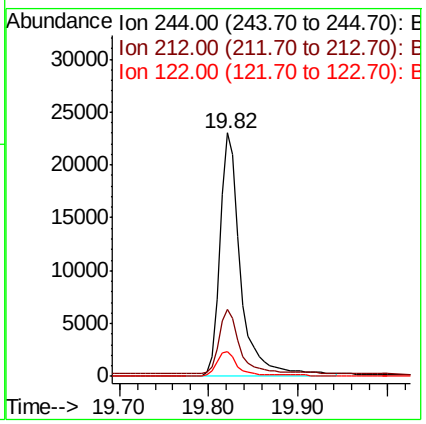


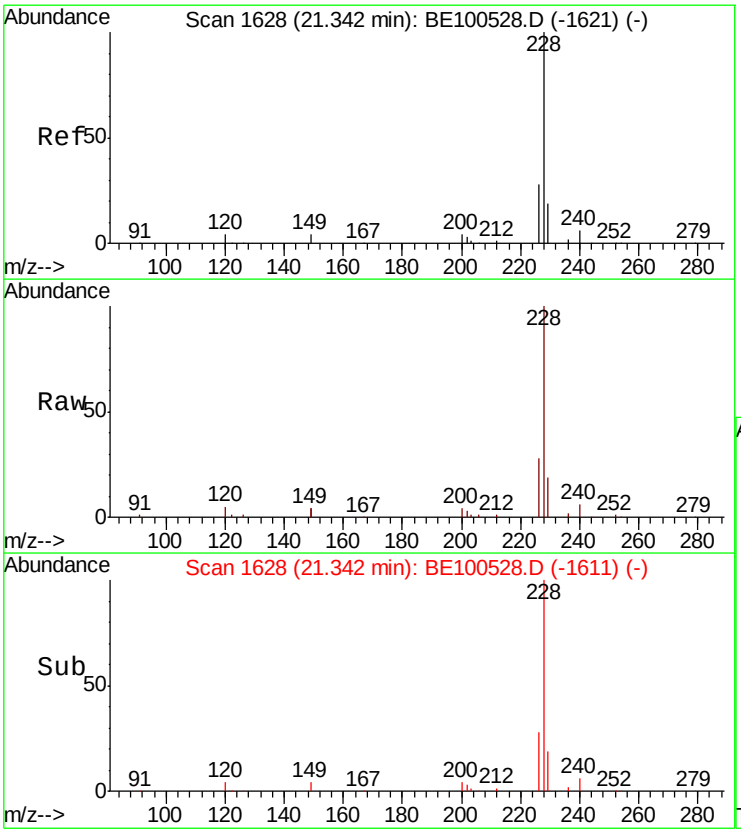
#29
Terphenyl-d14
Concen: 0.394 ng
RT: 19.82 min Scan# 1489
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 36724

Ion	Ratio	Lower	Upper
244	100		
212	27.7	22.2	33.2
122	10.4	8.3	12.5

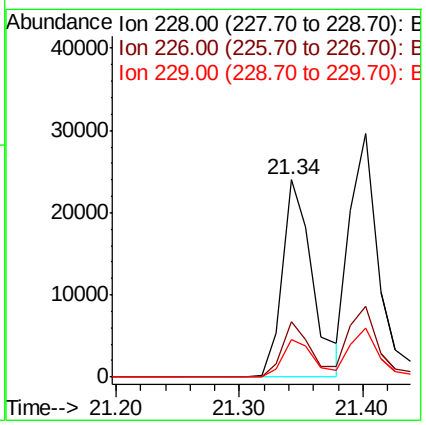


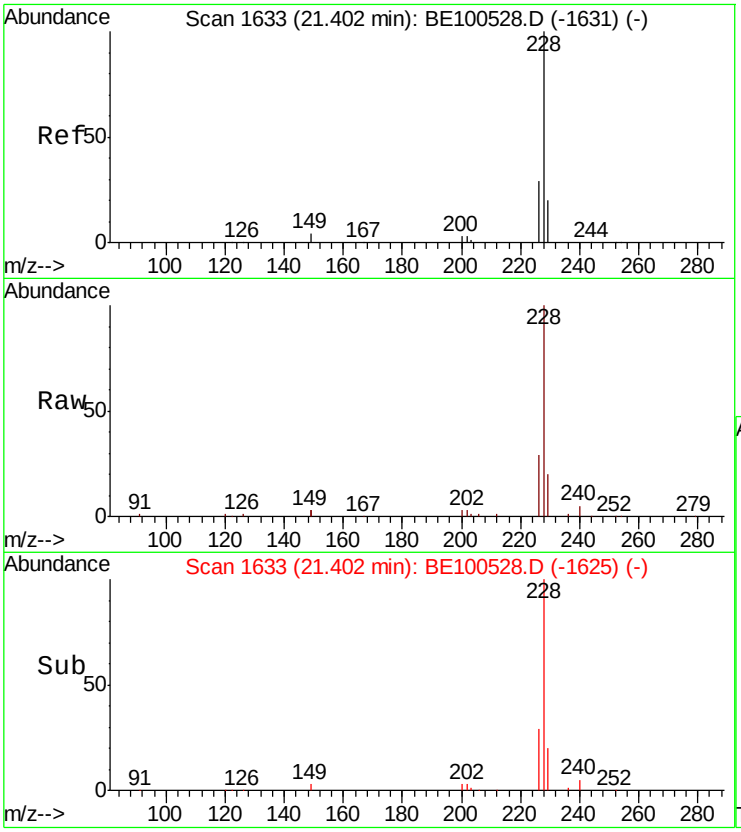


#30
Benzo(a)anthracene
Concen: 0.369 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion:228 Resp: 40919

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.5	33.7
229	19.3	15.4	23.2



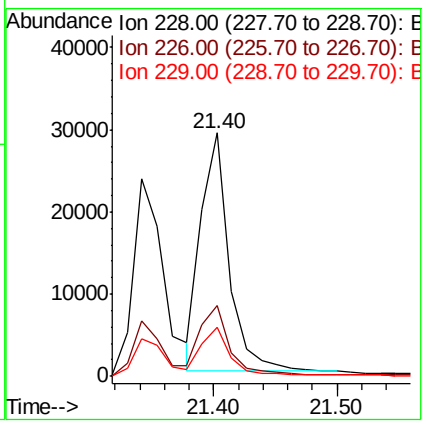


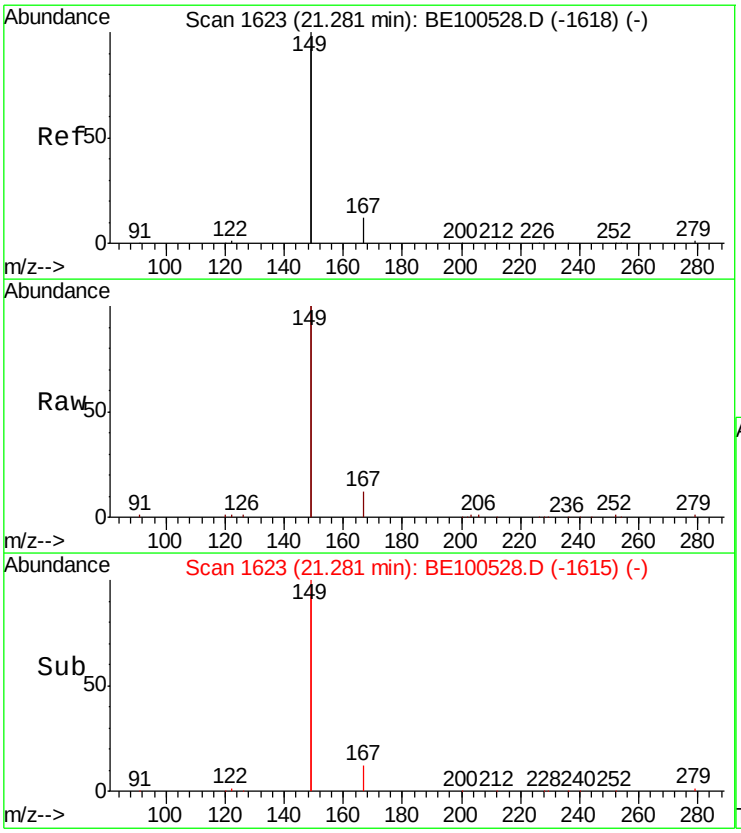
#31
Chrysene
Concen: 0.397 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 46610

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.3	34.9
229	20.4	16.3	24.5

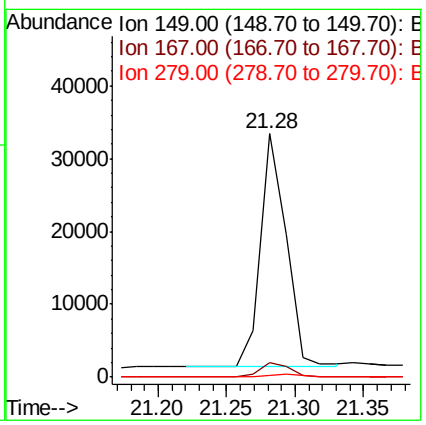


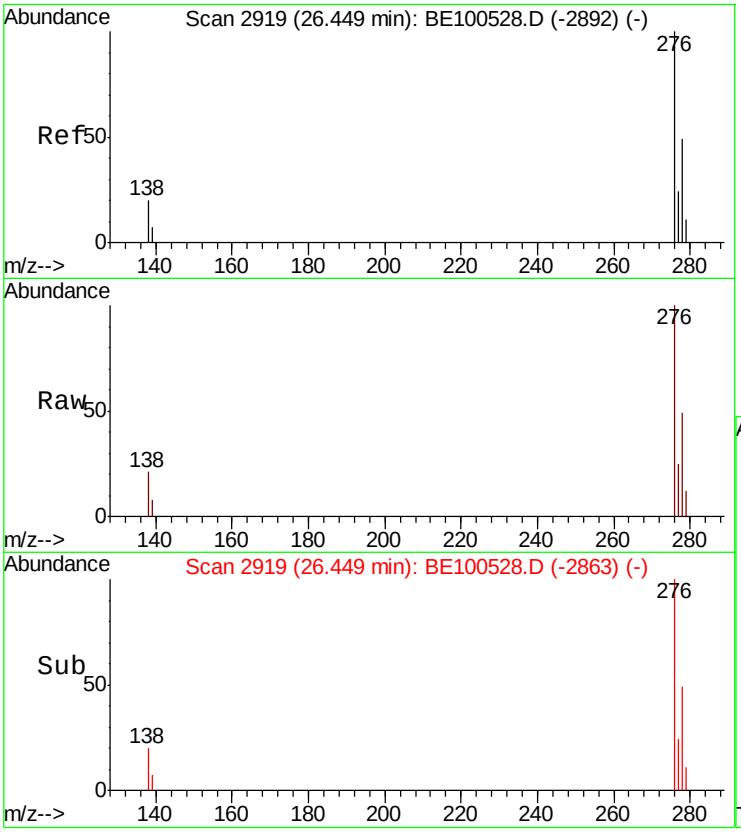


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.314 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion:149 Resp: 41691

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.2	7.8
279	1.2	1.0	1.4



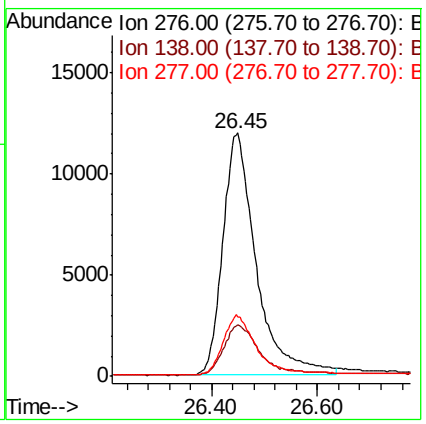


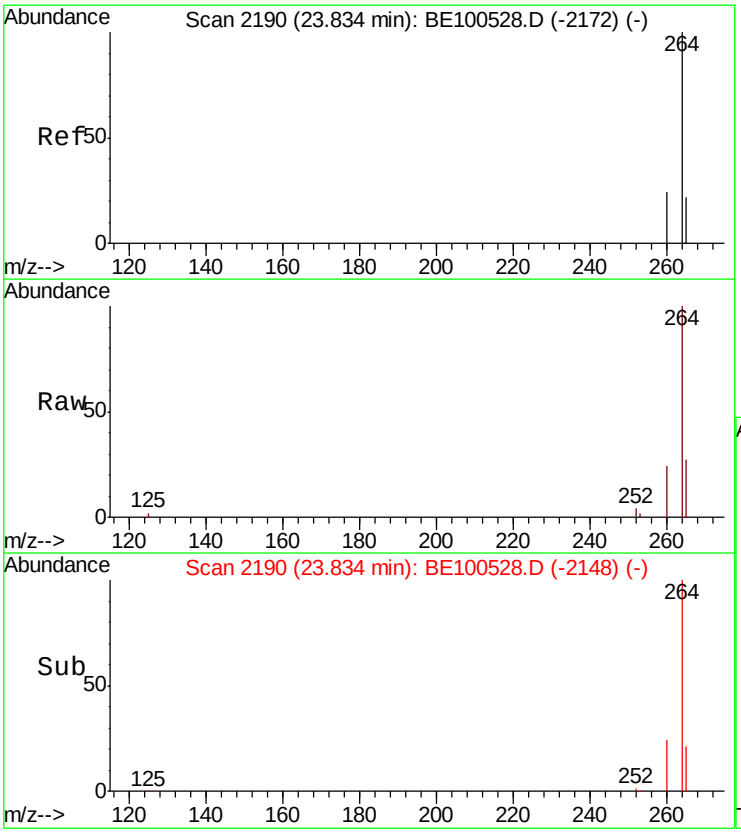
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.380 ng
RT: 26.45 min Scan# 2919
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 52736

Ion	Ratio	Lower	Upper
276	100		
138	22.1	17.7	26.5
277	25.0	19.9	29.9

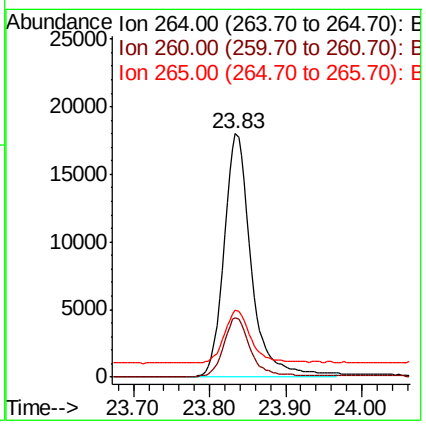


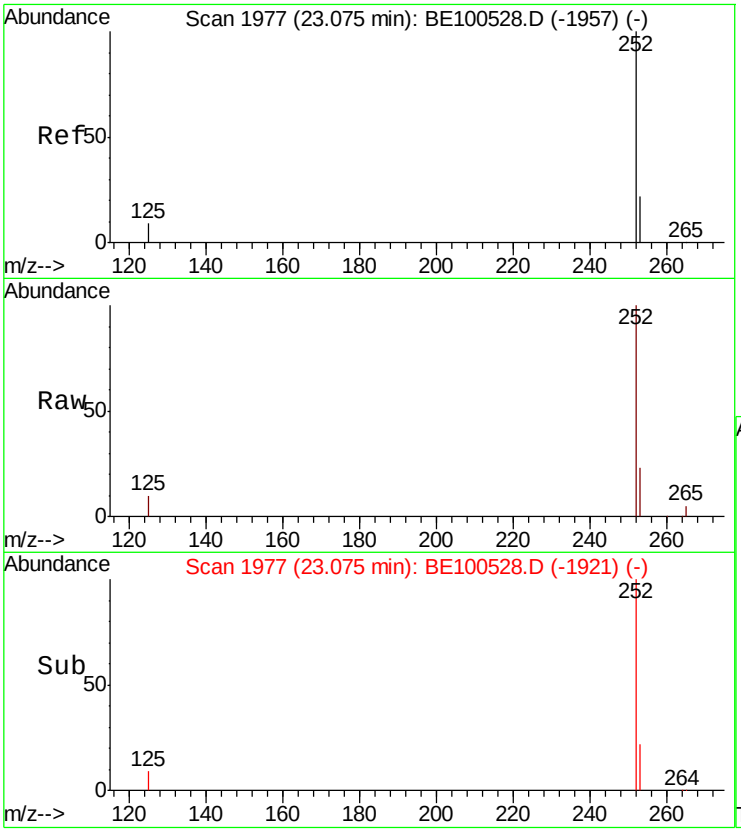


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.83 min Scan# 2190
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion:264 Resp: 44177

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	27.3	21.8	32.8



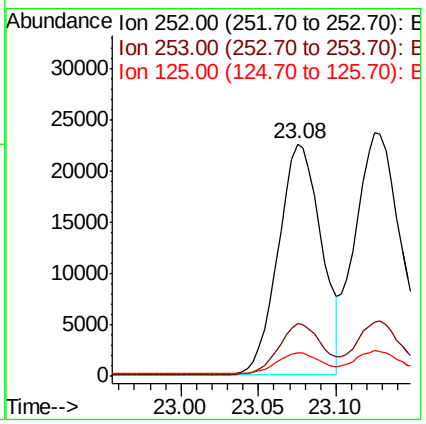


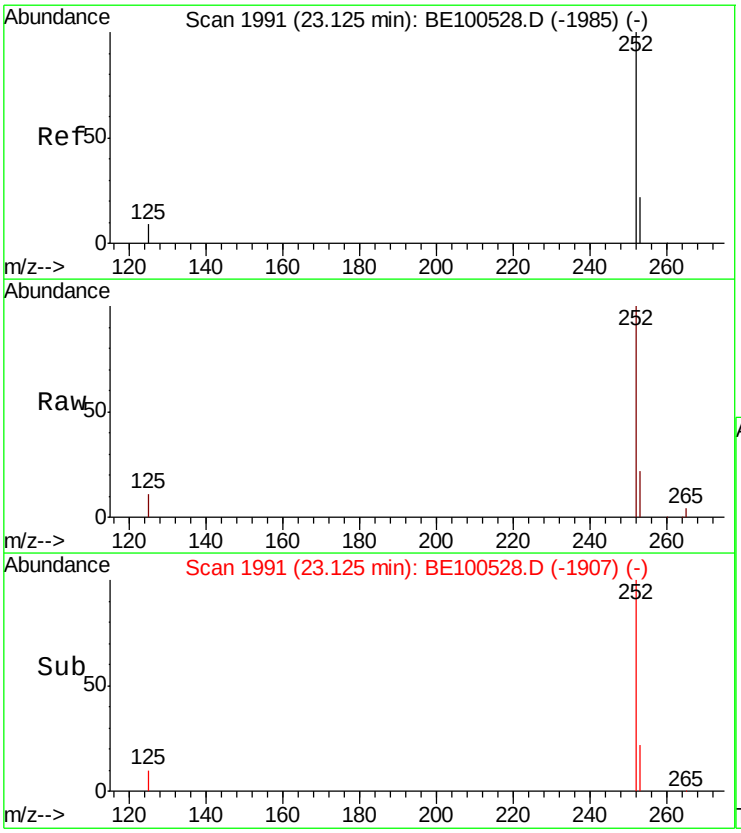
#35
Benzo(b)fluoranthene
Concen: 0.375 ng
RT: 23.08 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 43475

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	10.0	8.0	12.0

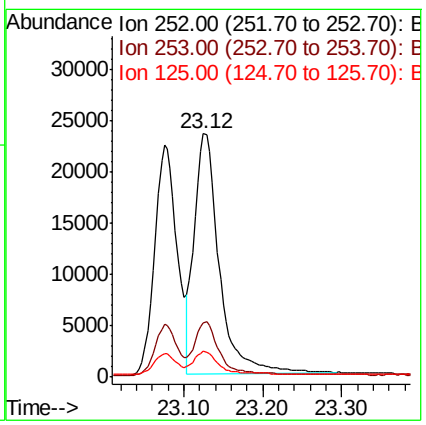


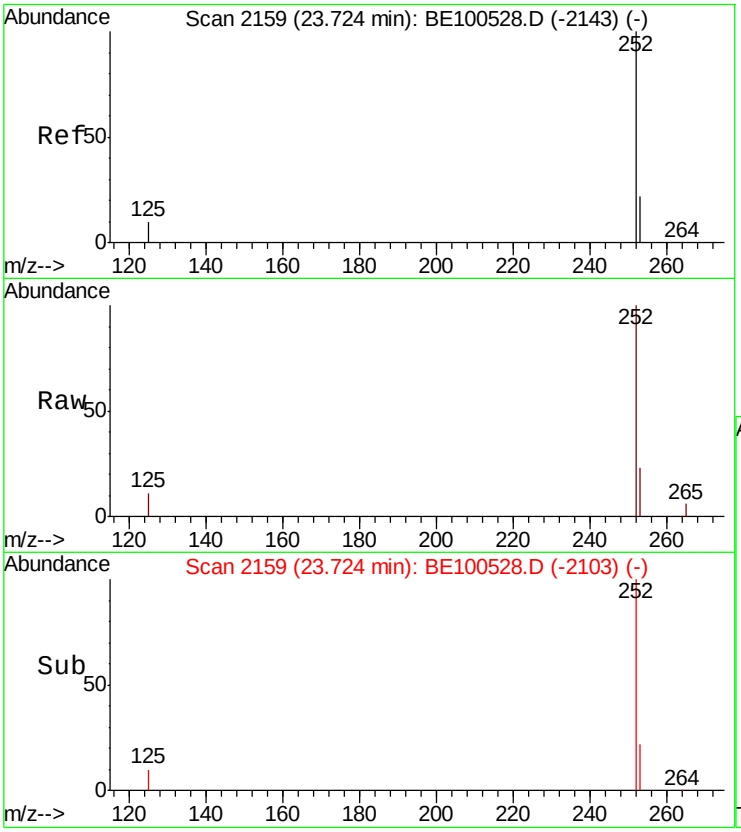


#36
Benzo(k)fluoranthene
Concen: 0.383 ng
RT: 23.12 min Scan# 1991
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion:252 Resp: 51709

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	10.6	8.5	12.7



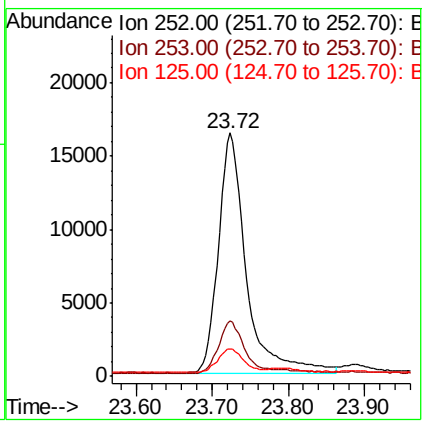


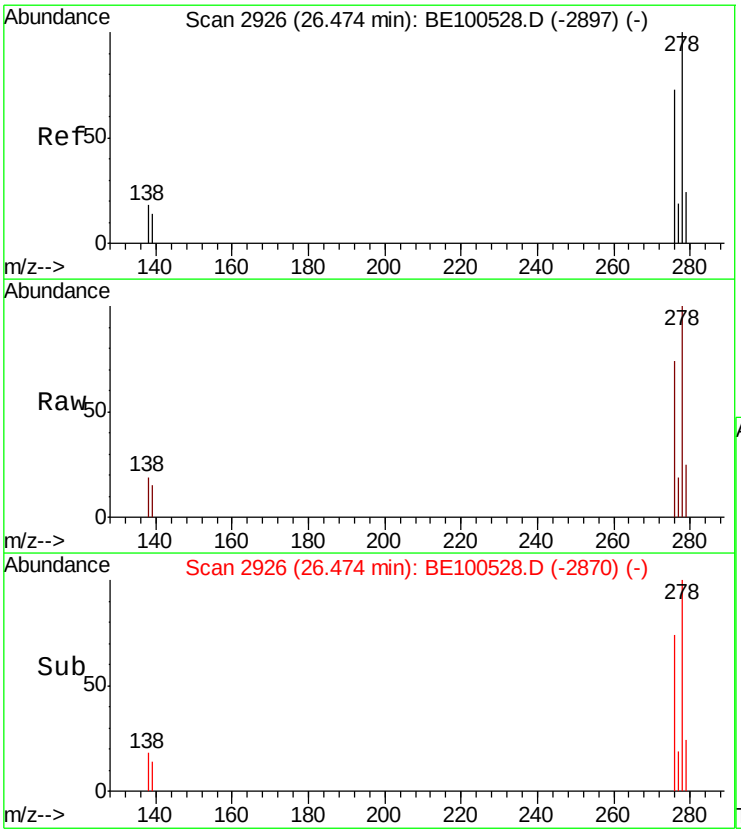
#37
Benzo(a)pyrene
Concen: 0.377 ng
RT: 23.72 min Scan# 2159
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 41669

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	11.5	9.2	13.8

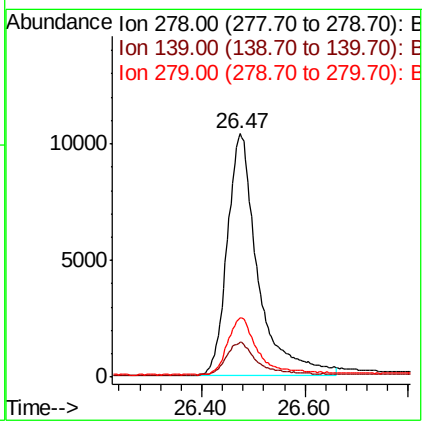


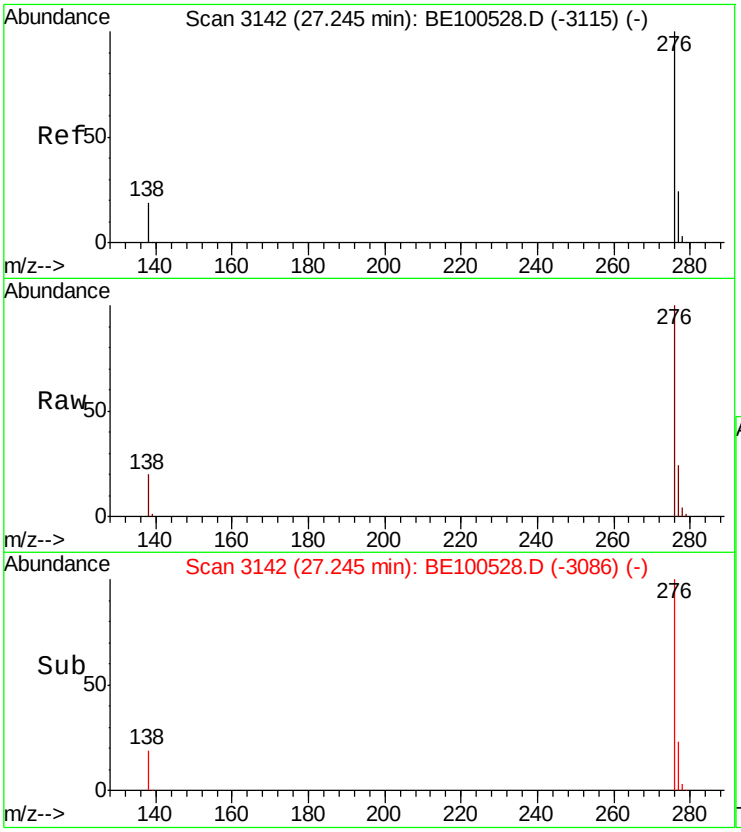


#38
Dibenzo(a,h)anthracene
Concen: 0.377 ng
RT: 26.47 min Scan# 2926
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Tgt Ion:278 Resp: 42979

Ion	Ratio	Lower	Upper
278	100		
139	14.5	11.6	17.4
279	24.6	19.7	29.5





#39
Benzo(g,h,i)perylene
Concen: 0.397 ng
RT: 27.24 min Scan# 3142
Delta R.T. 0.00 min
Lab File: BE100528.D
Acq: 20 Sep 2019 15:12

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 46809

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	19.6	15.7	23.5