Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072219\
Data File : BE100483.D
Acq On : 22 Jul 2019 16:18
Operator : HP/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC5.0

Quant Time: Jul 22 17:13:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 22 15:44:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	2965	0.40	ng		0.00
7) Naphthalene-d8	10.67	136	11866	0.40	ng		0.00
13) Acenaphthene-d10	14.50	164	7762	0.40	ng		0.00
19) Phenanthrene-d10	17.21	188	20258	0.40	ng		0.00
27) Chrysene-d12	21.38	240	23026	0.40	ng		0.00
34) Perylene-d12	23.85	264	23576	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.45	112	31535	4.27	ng		0.00
5) Phenol-d6	7.02	99	48673	4.70	ng		0.00
8) Nitrobenzene-d5	9.02	82	51774	5.40	ng		0.00
11) 2-Methylnaphthalene-d10	0.00	152	0d	0.00	ng		
14) 2,4,6-Tribromophenol	15.97	330	18873	5.79	ng		0.00
15) 2-Fluorobiphenyl	13.13	172	145651	4.56	ng		0.00
25) Fluoranthene-d10	0.00	212	0d	0.00	ng		
29) Terphenyl-d14	19.83	244	272709	5.14	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	16799	3.688	ng		94
3) n-Nitrosodimethylamine	3.66	42	13784	5.236	ng	#	88
6) bis(2-Chloroethyl)ether	7.29	93	40456	4.506	ng		98
9) Naphthalene	10.70	128	541631	4.770	ng		100
10) Hexachlorobutadiene	11.00	225	25129	4.615	ng		99
12) 2-Methylnaphthalene	12.32	142	100769	5.090	ng		99
16) Acenaphthylene	14.21	152	179929	5.045	ng		99
17) Acenaphthene	14.56	154	108580	5.005	ng		96
18) Fluorene	15.53	166	141257	4.896	ng		99
20) 4-Bromophenyl-phenylether	16.41	248	47948	5.128	ng	#	74
21) Hexachlorobenzene	16.53	284	48385	4.964	ng		98
22) Pentachlorophenol	16.87	266	25429	6.446	ng		92
23) Phenanthrene	17.25	178	241271	4.814	ng		100
24) Anthracene	17.35	178	238291	5.089	ng		99
26) Fluoranthene	19.27	202	349457	4.693	ng		98
28) Pyrene	19.63	202	347241	5.128	ng		99
30) Benzo(a)anthracene	21.37	228	337398	4.804	ng		98
31) Chrysene	21.41	228	331148	4.727	ng		98
32) Bis(2-ethylhexyl)phthalate	21.29	149	730596	4.687	ng	#	100
33) Indeno(1,2,3-cd)pyrene	26.48	276	361988	4.780	ng		98
35) Benzo(b)fluoranthene	23.10	252	316444	4.858	ng	#	92
36) Benzo(k)fluoranthene	23.15	252	333477	4.818	ng	#	88
37) Benzo(a)pyrene	23.75	252	306633	4.880	ng	#	89
38) Dibenzo(a,h)anthracene	26.51	278	297321	5.024	ng	#	90
39) Benzo(g,h,i)perylene	27.28	276	295233	4.843	ng		93

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

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Instrument :
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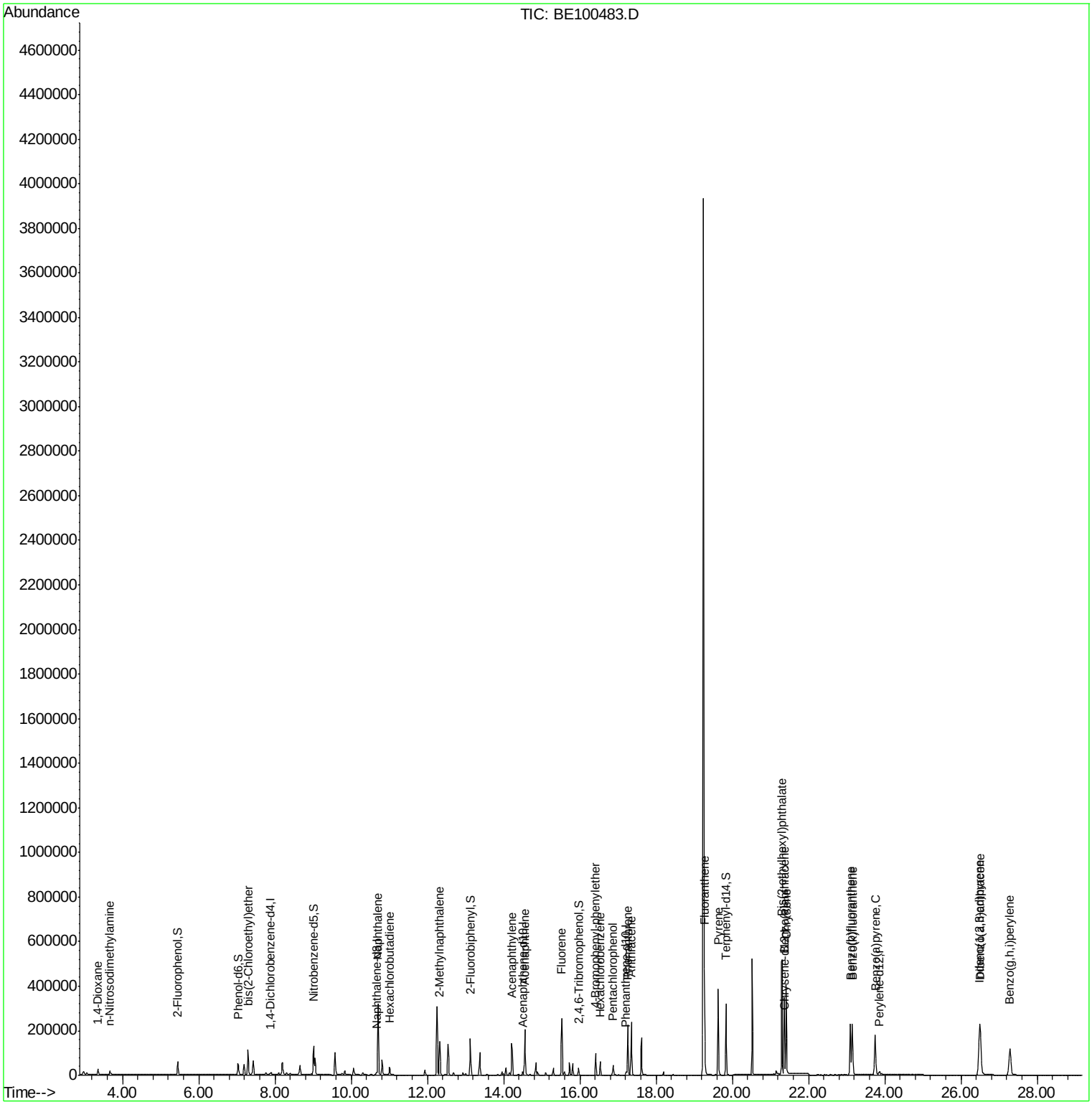
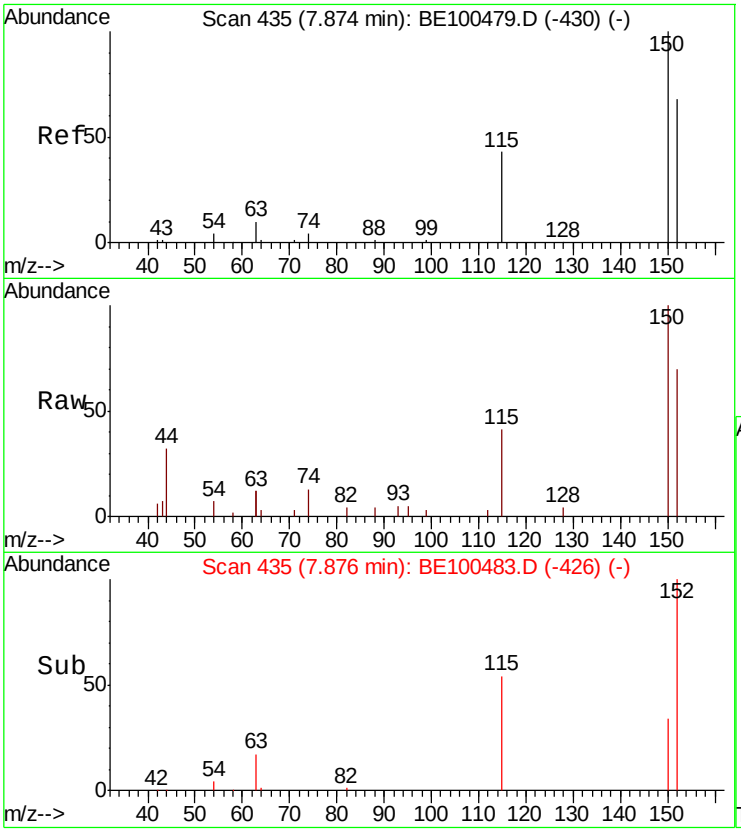


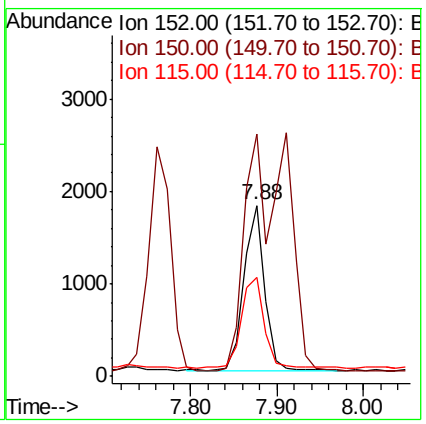


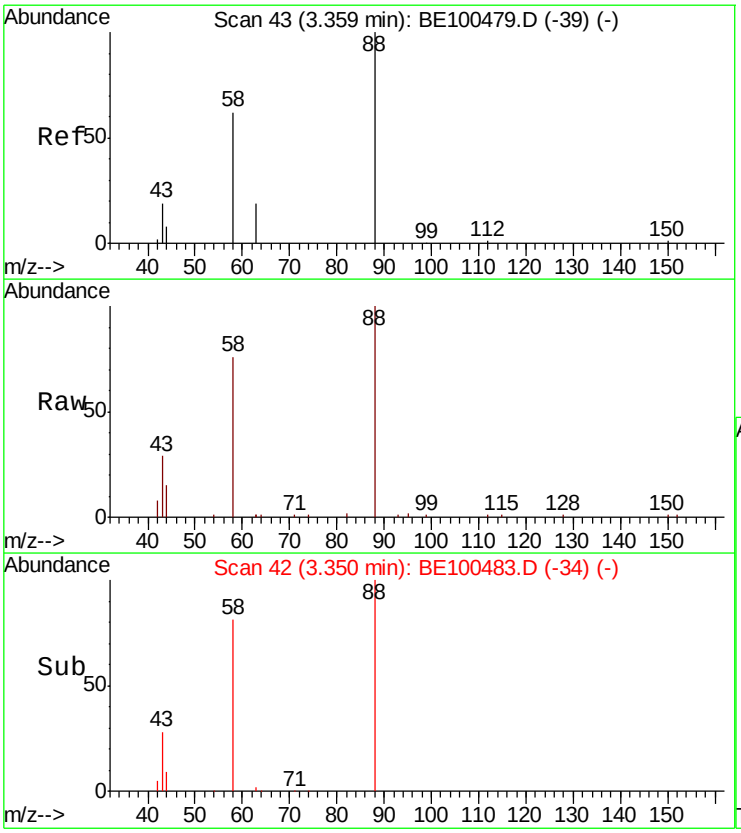
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 435
Delta R.T. 0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 2965

Ion	Ratio	Lower	Upper
152	100		
150	141.9	115.0	172.6
115	58.0	52.9	79.3

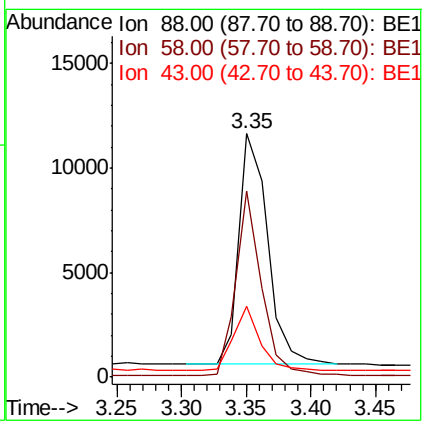


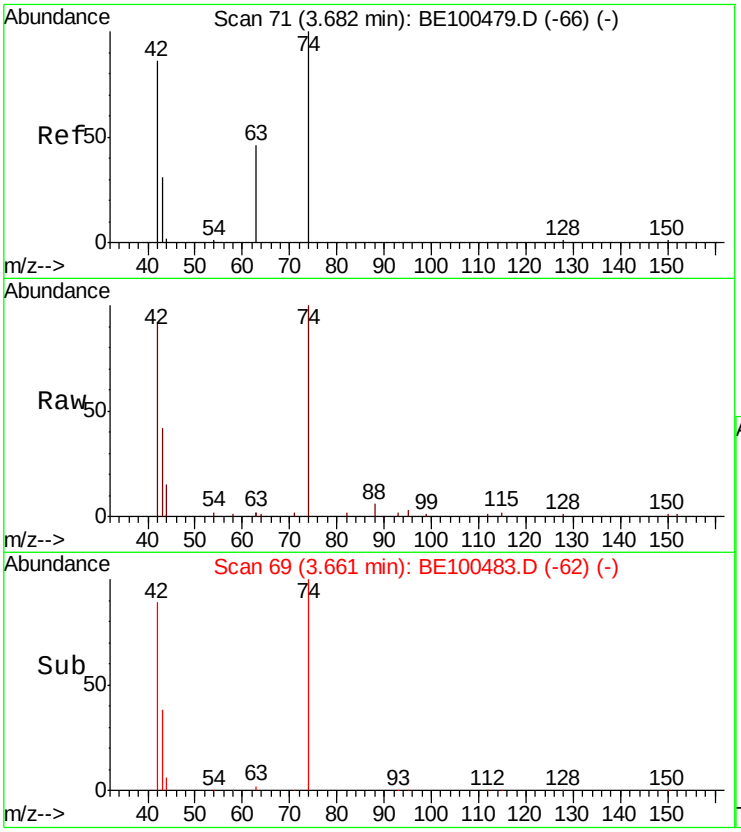


#2
1,4-Dioxane
Concen: 3.688 ng
RT: 3.35 min Scan# 42
Delta R.T. -0.01 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion: 88 Resp: 16799

Ion	Ratio	Lower	Upper
88	100		
58	72.3	53.2	79.8
43	25.2	20.8	31.2



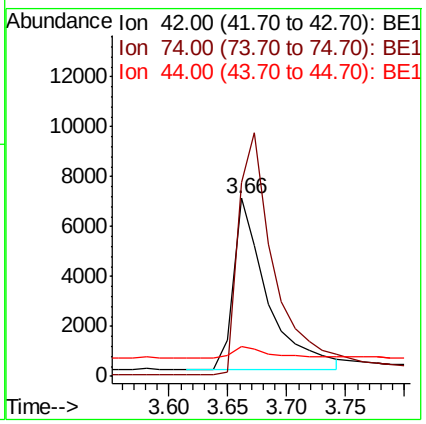


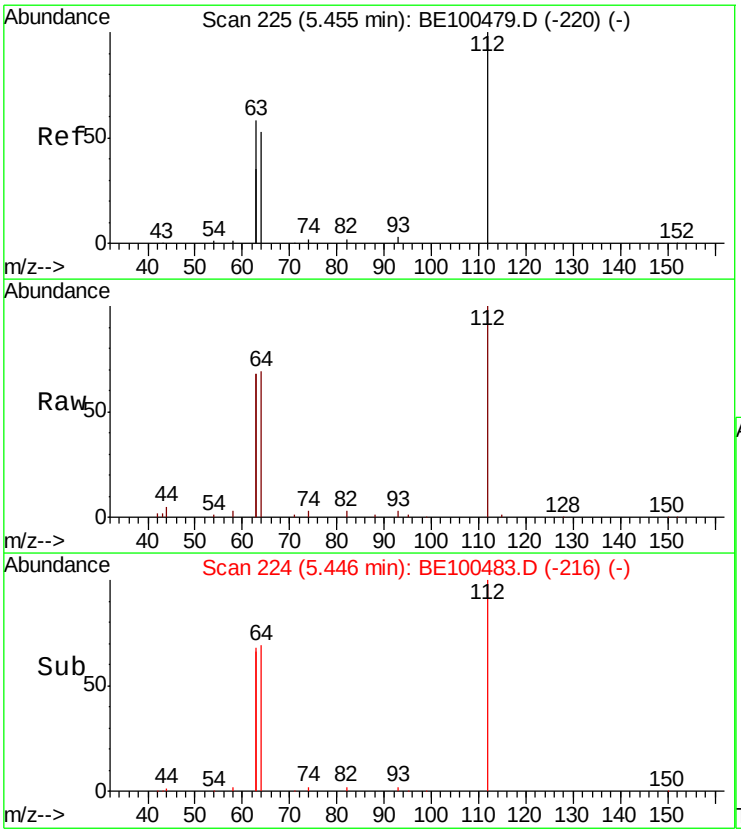
#3
n-Nitrosodimethylamine
Concen: 5.236 ng
RT: 3.66 min Scan# 69
Delta R.T. -0.02 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 13784

Ion	Ratio	Lower	Upper
42	100		
74	154.0	0.0	0.0#
44	7.5	9.6	14.4#

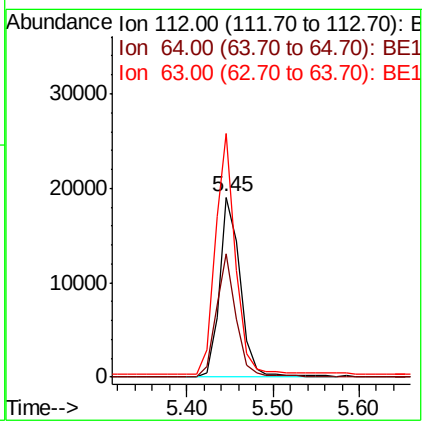


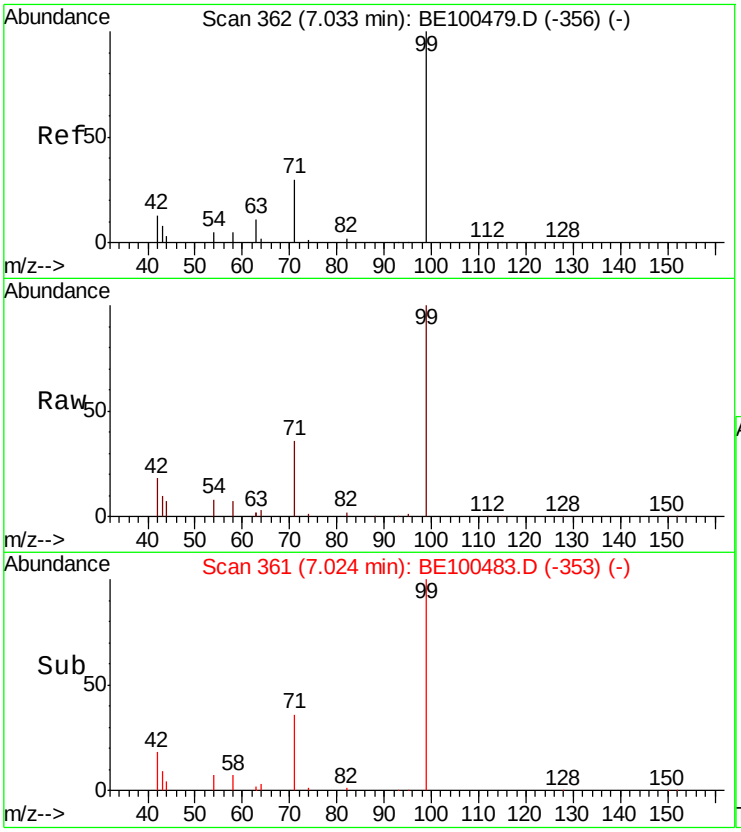


#4
2-Fluorophenol
Concen: 4.275 ng
RT: 5.45 min Scan# 224
Delta R.T. -0.01 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion:112 Resp: 31535

Ion	Ratio	Lower	Upper
112	100		
64	66.0	54.1	81.1
63	132.3	104.6	157.0



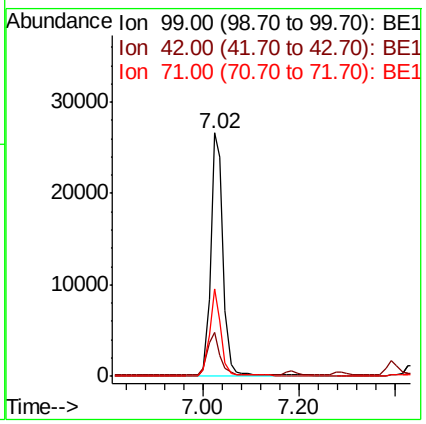


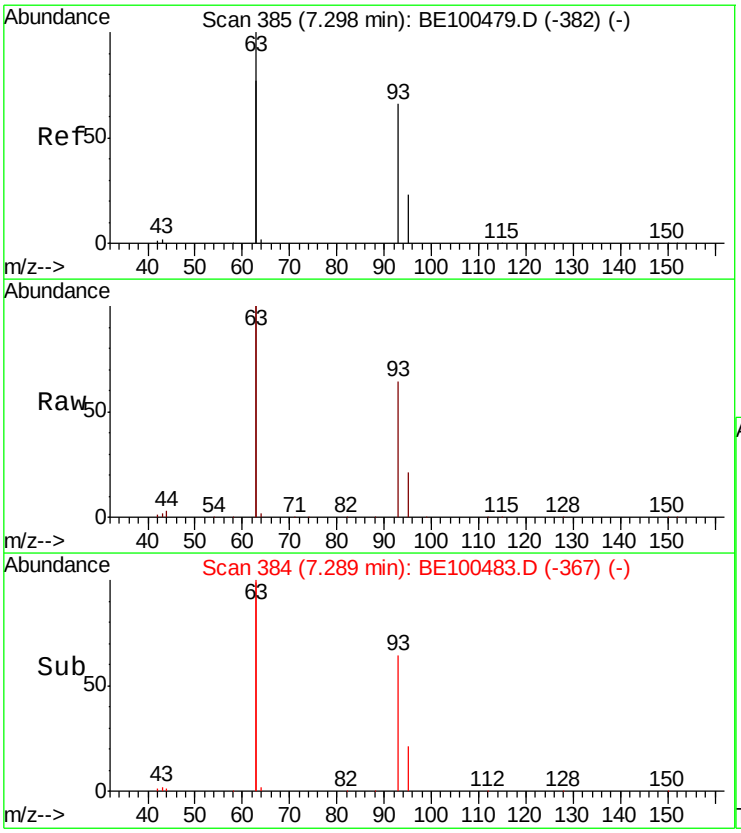
#5
Phenol-d6
Concen: 4.697 ng
RT: 7.02 min Scan# 361
Delta R.T. -0.01 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 48673

Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.5	21.7
71	32.3	26.4	39.6

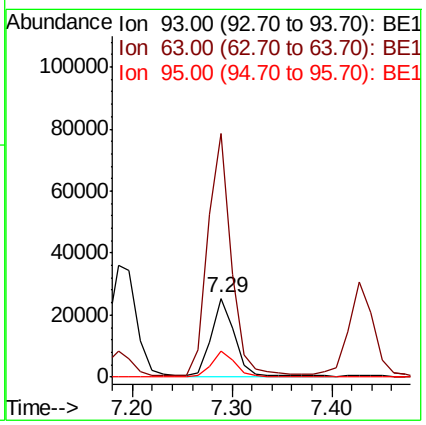


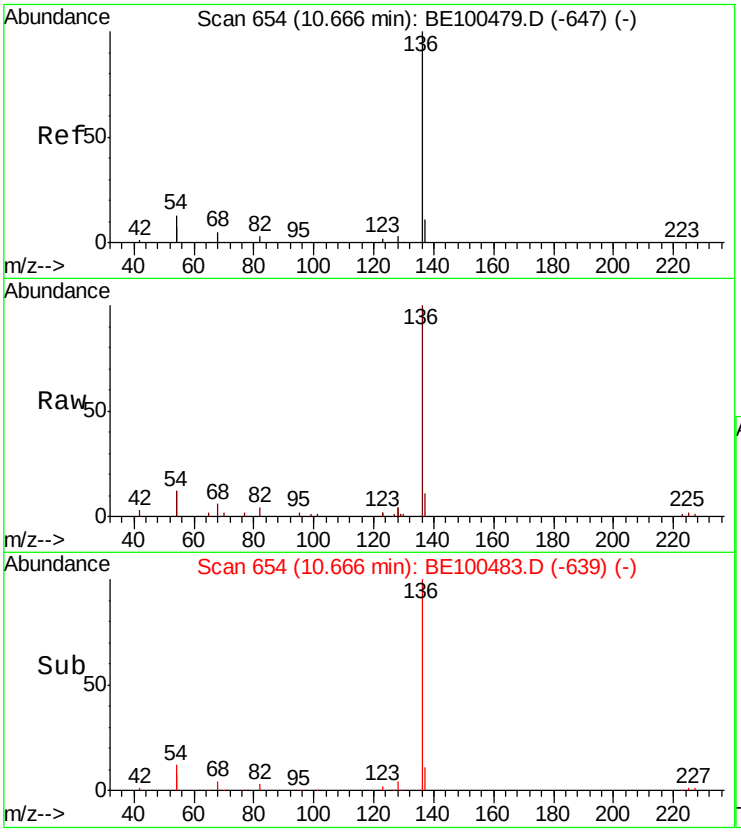


#6
bis(2-Chloroethyl)ether
Concen: 4.506 ng
RT: 7.29 min Scan# 384
Delta R.T. -0.01 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion: 93 Resp: 40456

Ion	Ratio	Lower	Upper
93	100		
63	314.7	248.3	372.5
95	32.4	25.4	38.0



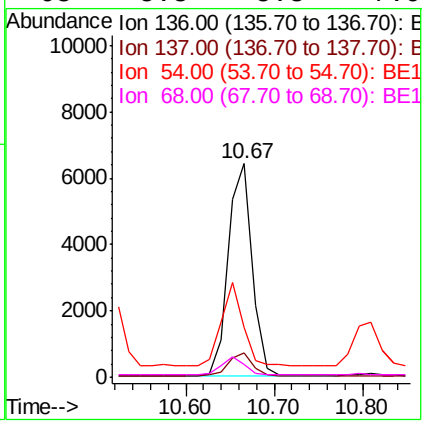


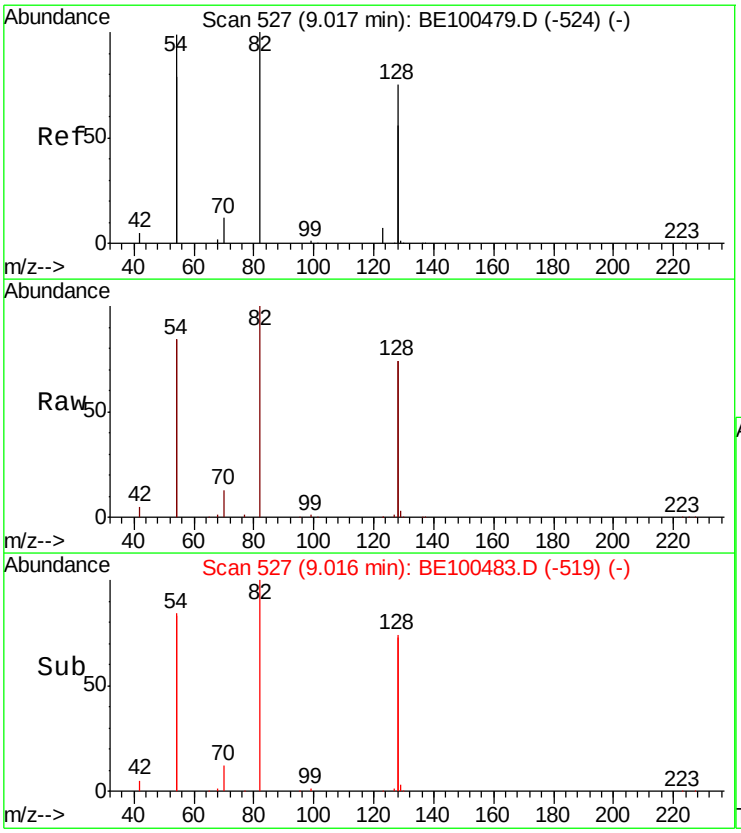
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.67 min Scan# 654
Delta R.T. -0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 11866

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.8	14.6
54	23.6	20.6	31.0
68	5.8	5.3	7.9

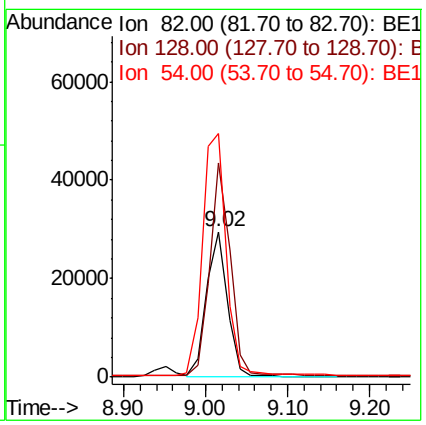


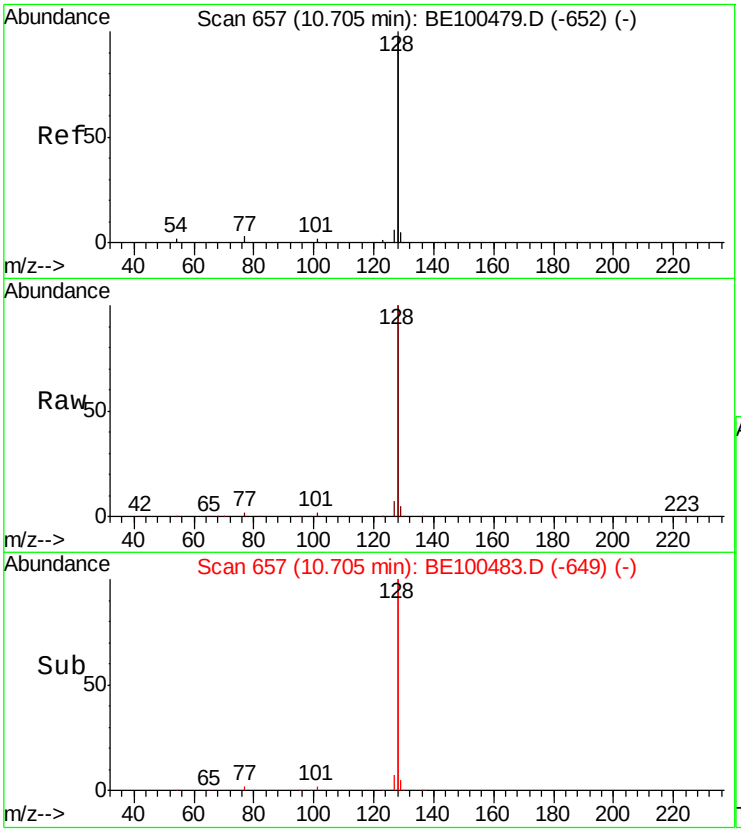


#8
Nitrobenzene-d5
Concen: 5.399 ng
RT: 9.02 min Scan# 527
Delta R.T. -0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion: 82 Resp: 51774

Ion	Ratio	Lower	Upper
82	100		
128	147.6	113.6	170.4
54	167.4	150.6	226.0



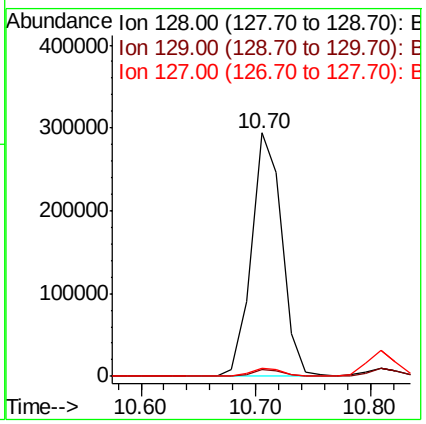


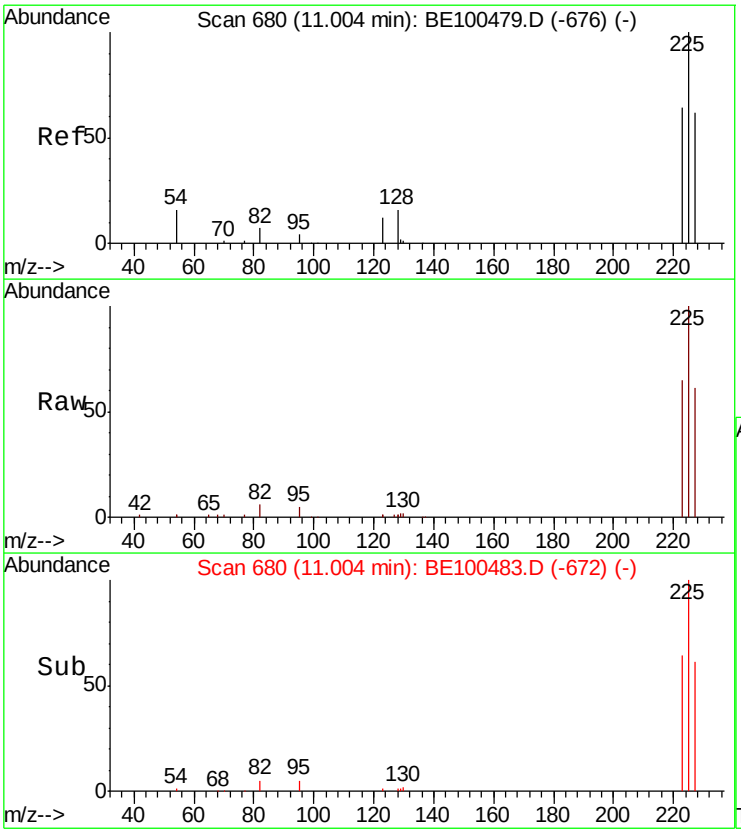
#9
Naphthalene
Concen: 4.770 ng
RT: 10.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 541631

Ion	Ratio	Lower	Upper
128	100		
129	2.7	2.3	3.5
127	3.4	2.7	4.1

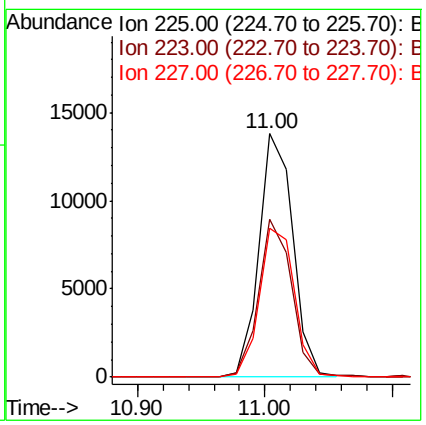


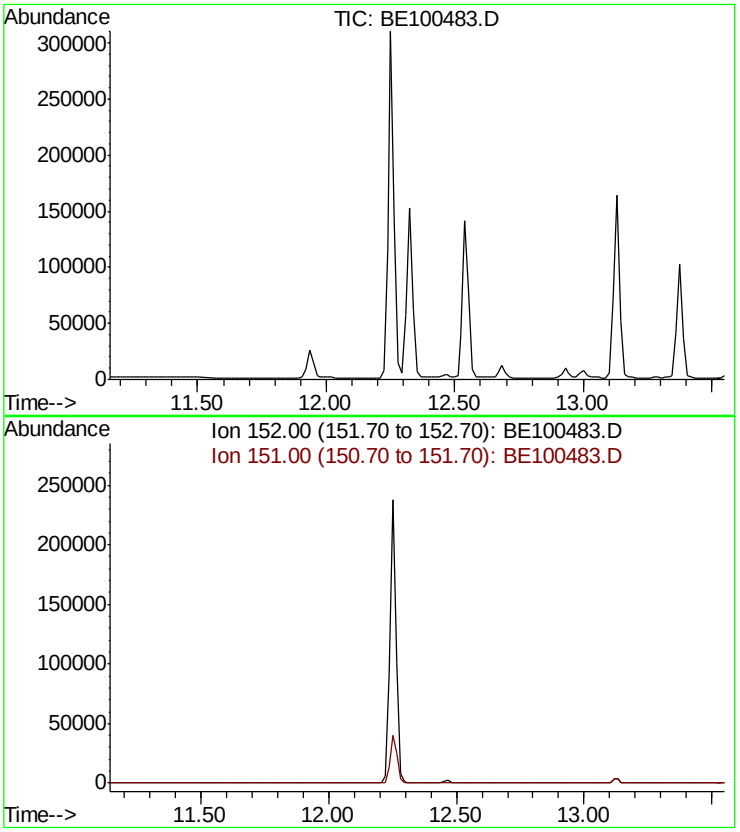


#10
Hexachlorobutadiene
Concen: 4.615 ng
RT: 11.00 min Scan# 680
Delta R.T. -0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion:225 Resp: 25129

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.4	74.0
227	63.0	51.4	77.2





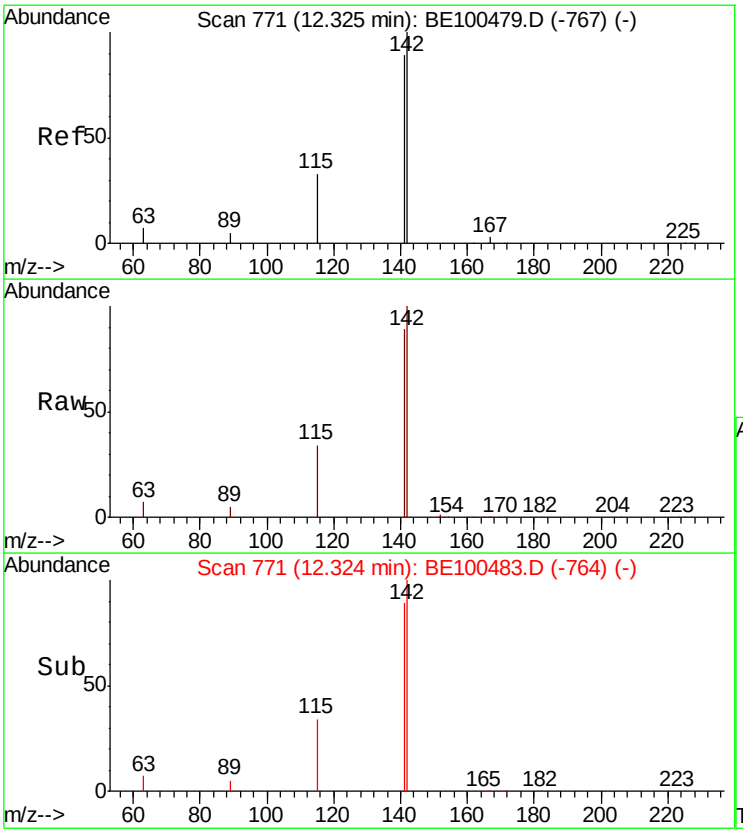
#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
Expected RT: 12.25 min

Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion: 152

Sig	Exp Ratio
152	100
151	18.9

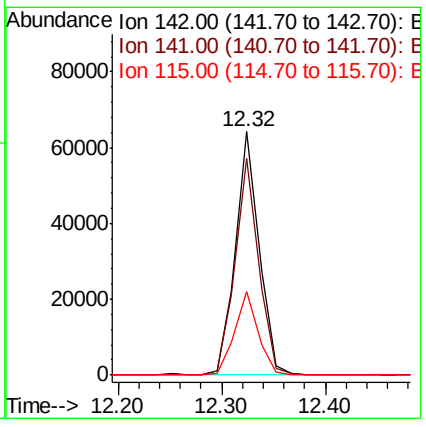
Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

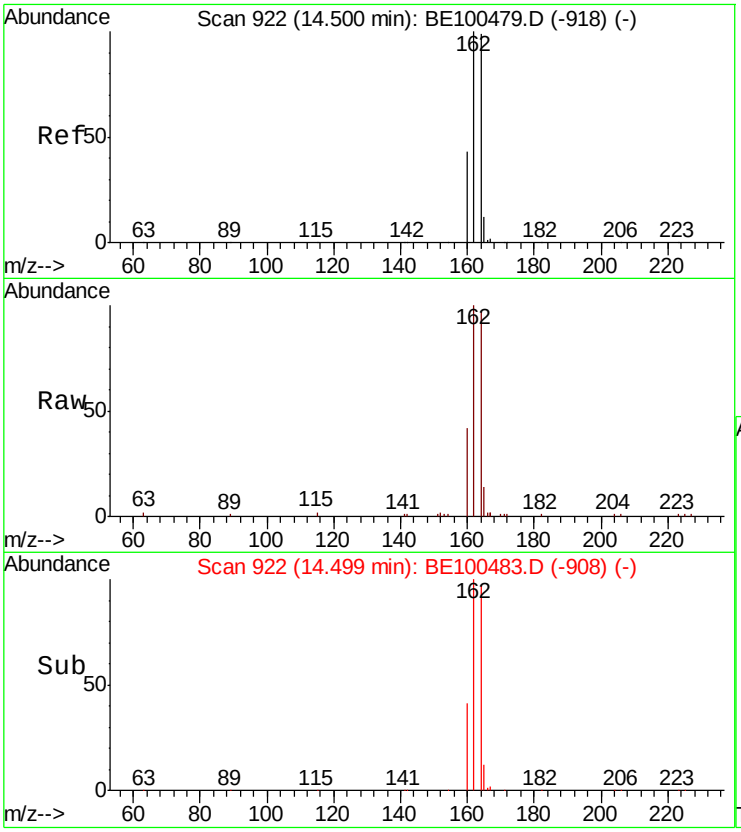


#12
2-Methylnaphthalene
Concen: 5.090 ng
RT: 12.32 min Scan# 771
Delta R.T. -0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion:142 Resp: 100769

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.7	107.5
115	34.2	27.8	41.6



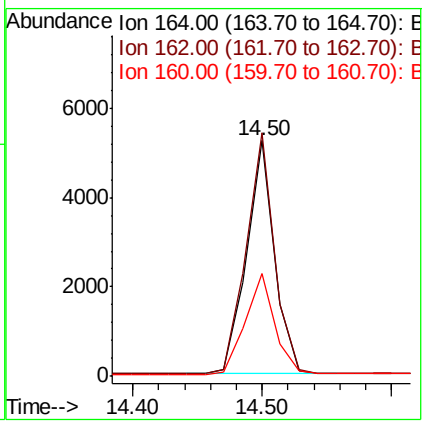


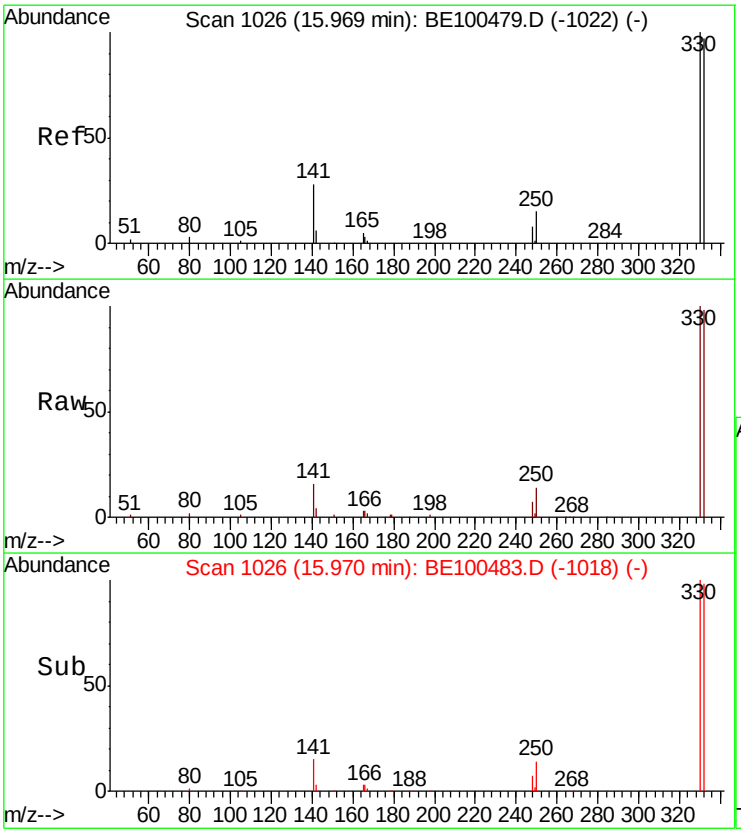
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 7762

Ion	Ratio	Lower	Upper
164	100		
162	103.4	80.8	121.2
160	43.4	34.9	52.3

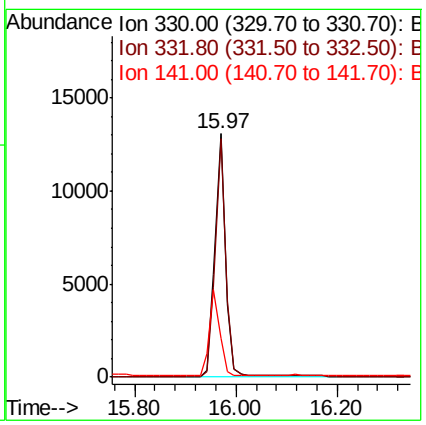


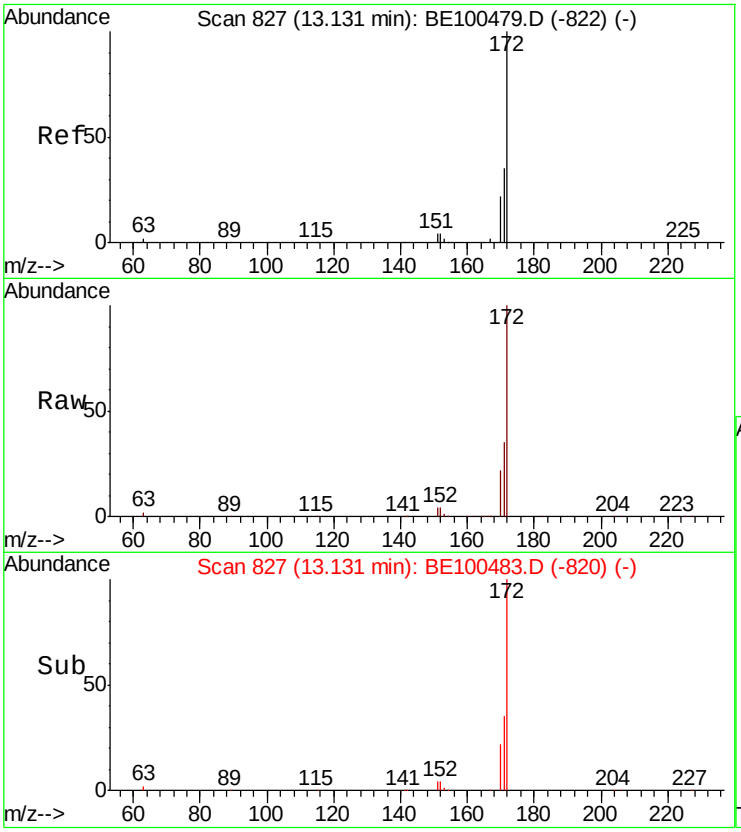


#14
2,4,6-Tribromophenol
Concen: 5.790 ng
RT: 15.97 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion:330 Resp: 18873

Ion	Ratio	Lower	Upper
330	100		
332	96.7	80.5	120.7
141	35.1	29.9	44.9



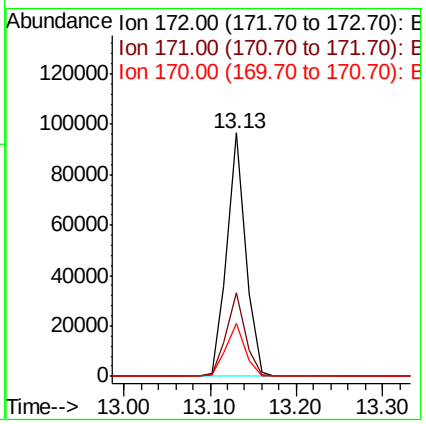


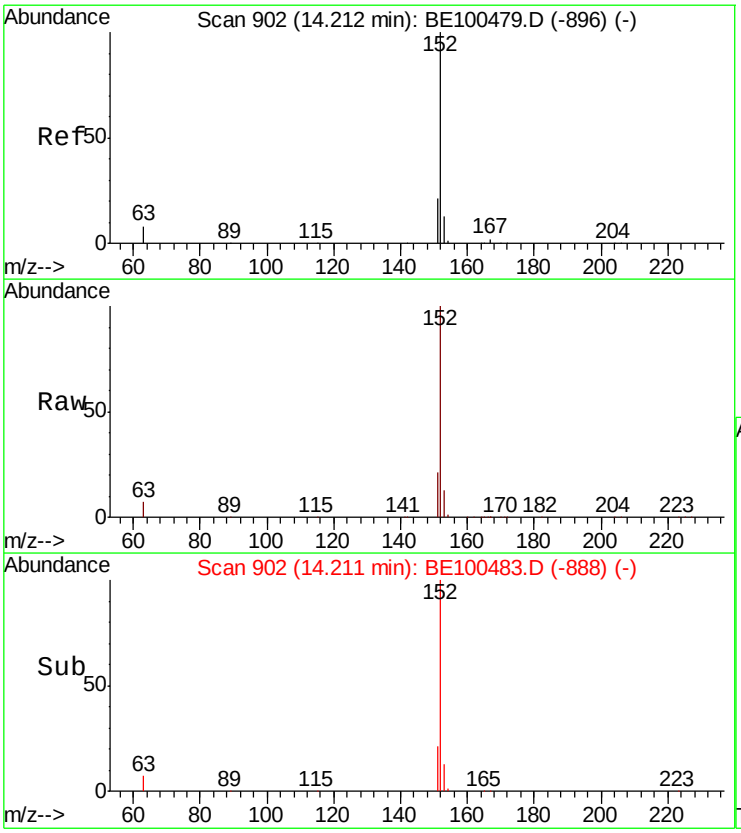
#15
2-Fluorobiphenyl
Concen: 4.561 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 145651

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.2	42.2
170	21.7	17.8	26.8

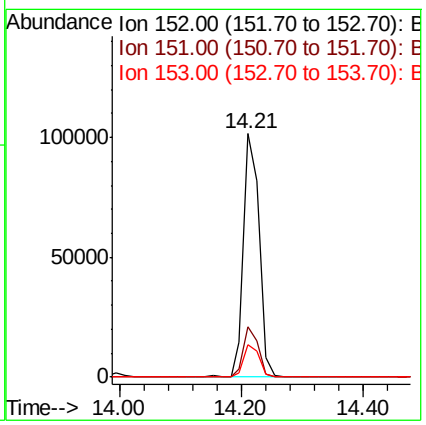


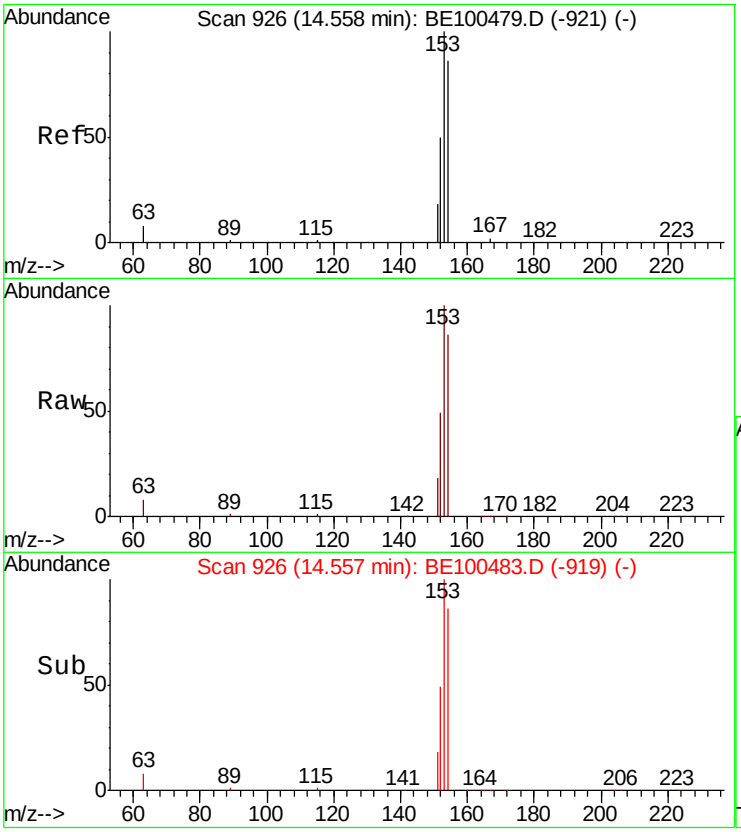


#16
Acenaphthylene
Concen: 5.045 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion:152 Resp: 179929

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.1	24.1
153	13.1	10.6	16.0



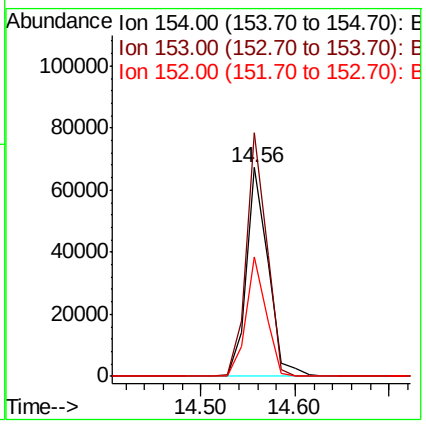


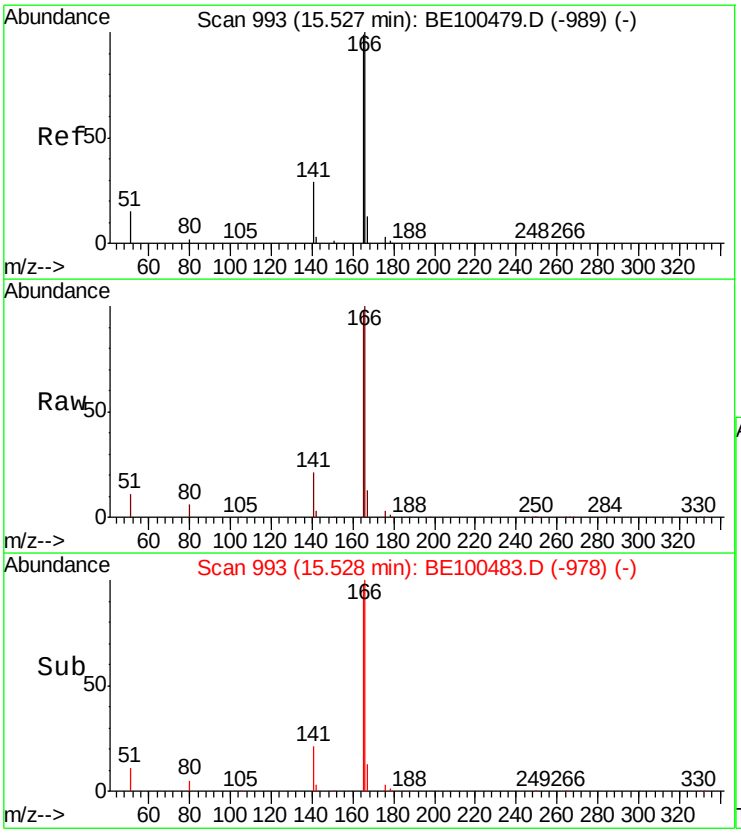
#17
Acenaphthene
Concen: 5.005 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 108580

Ion	Ratio	Lower	Upper
154	100		
153	109.8	90.8	136.2
152	53.1	45.1	67.7

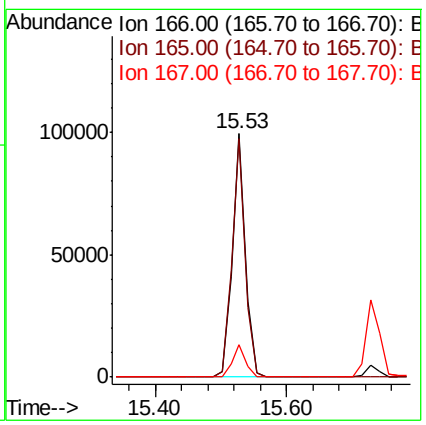


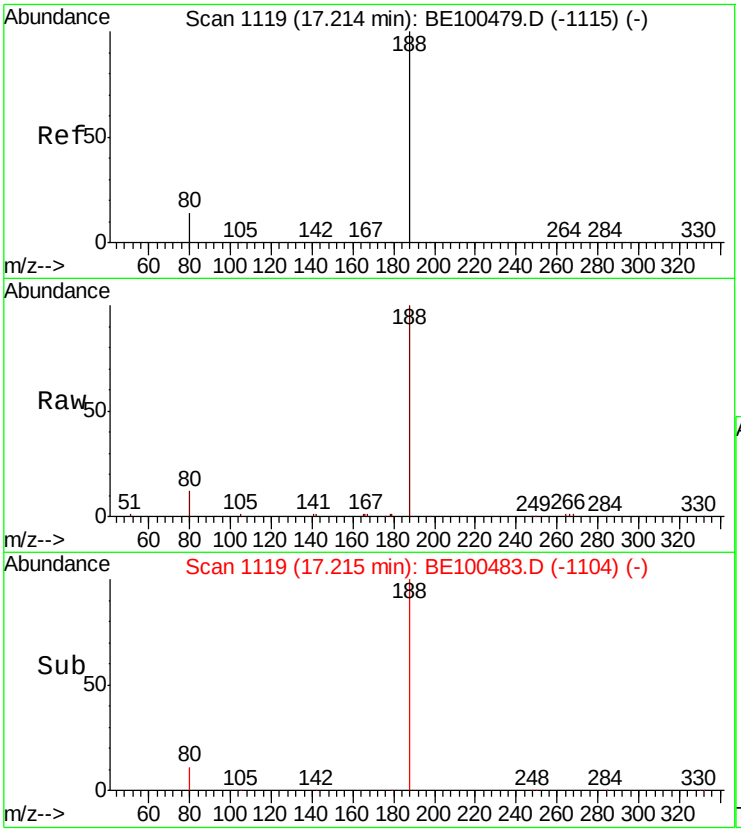


#18
Fluorene
Concen: 4.896 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion:166 Resp: 141257

Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.3	117.5
167	13.5	10.9	16.3



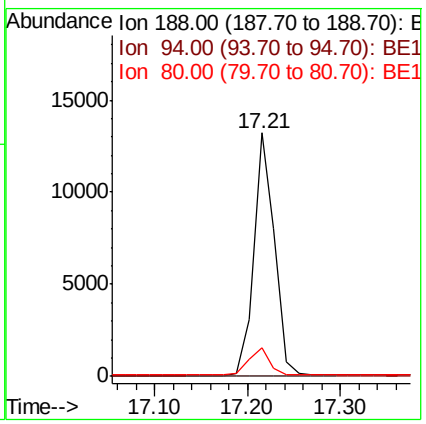


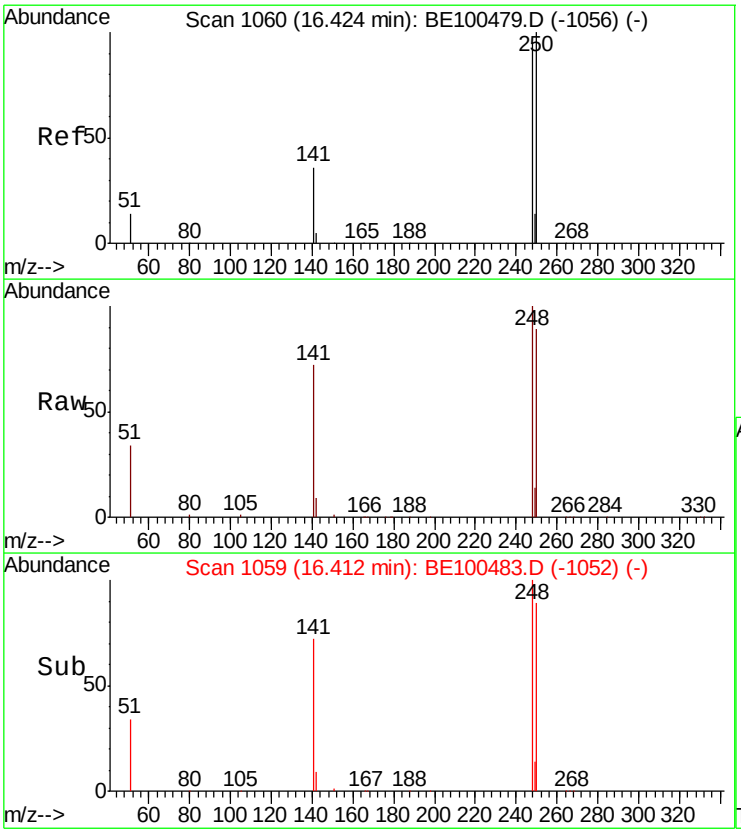
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 20258

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.9	11.9	17.9#

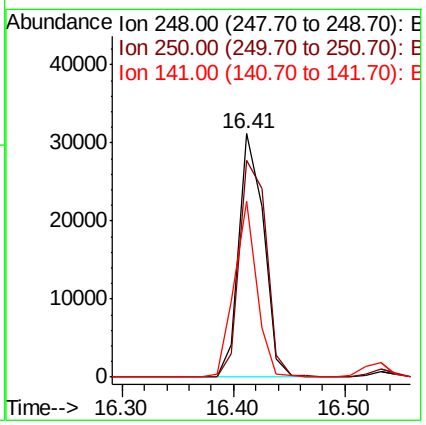


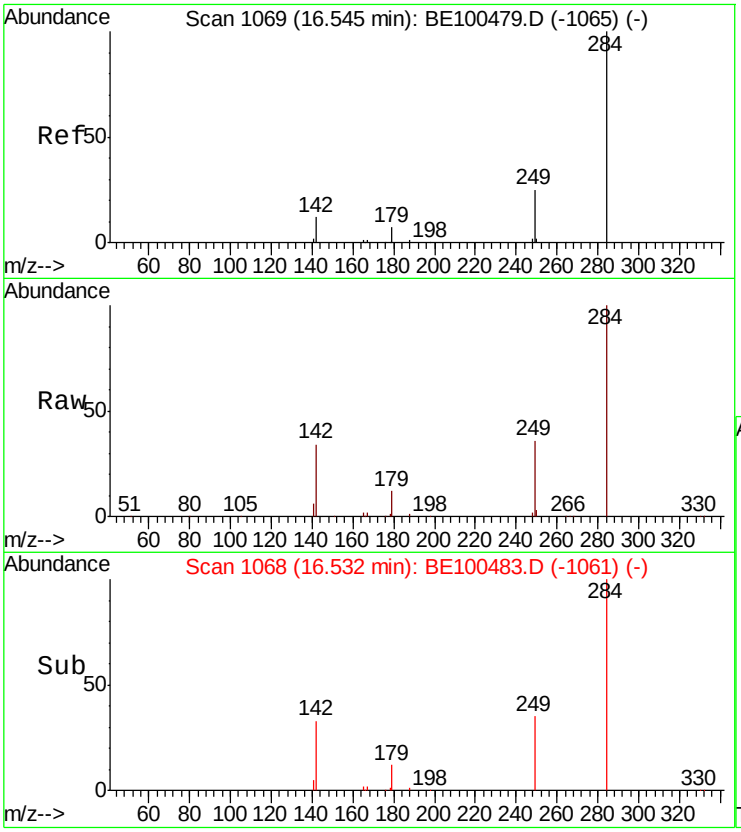


#20
4-Bromophenyl-phenylether
Concen: 5.128 ng
RT: 16.41 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion:248 Resp: 47948

Ion	Ratio	Lower	Upper
248	100		
250	89.1	84.4	126.6
141	72.1	32.2	48.2#



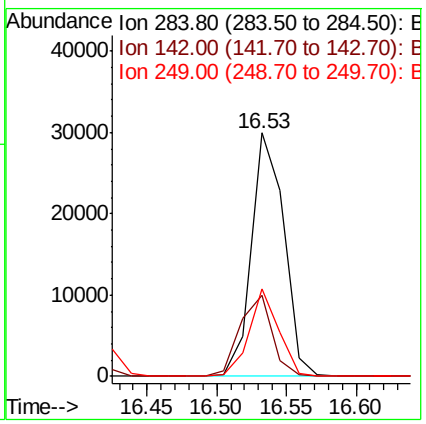


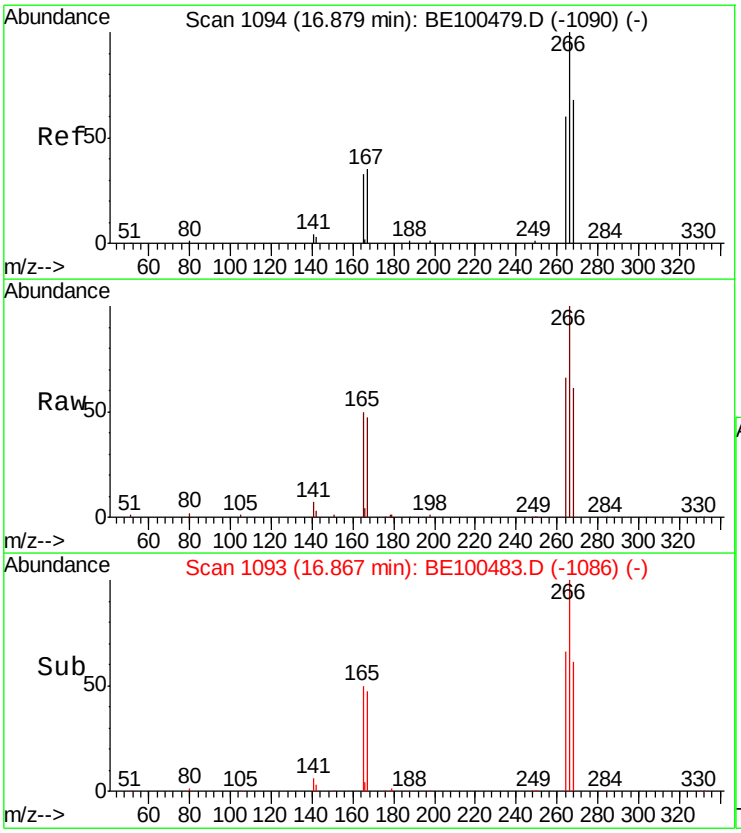
#21
Hexachlorobenzene
Concen: 4.964 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:284 Resp: 48385

Ion	Ratio	Lower	Upper
284	100		
142	32.5	26.7	40.1
249	32.1	25.0	37.4

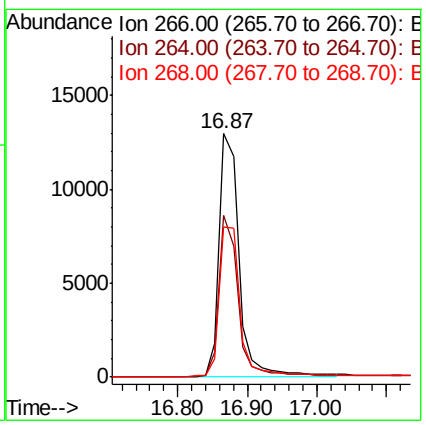


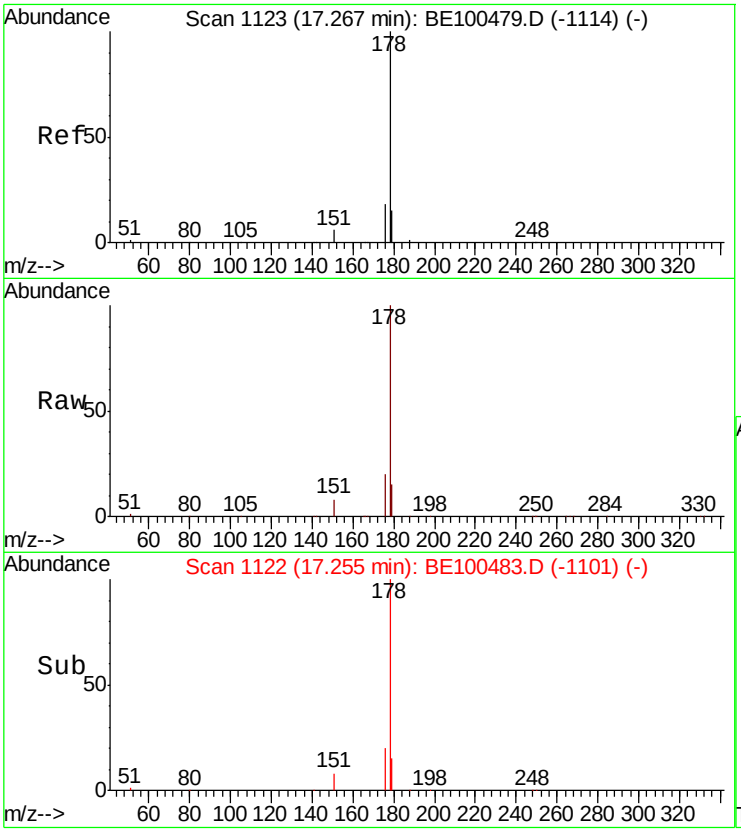


#22
Pentachlorophenol
Concen: 6.446 ng
RT: 16.87 min Scan# 1093
Delta R.T. -0.01 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion:266 Resp: 25429

Ion	Ratio	Lower	Upper
266	100		
264	66.2	50.4	75.6
268	61.5	56.6	85.0



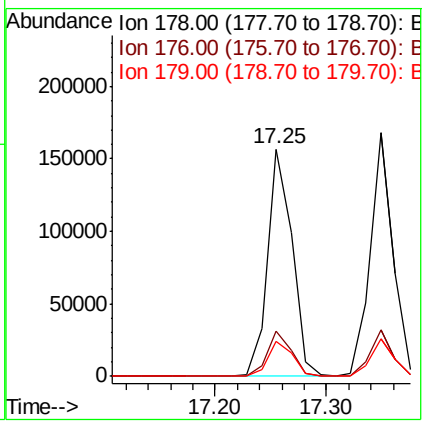


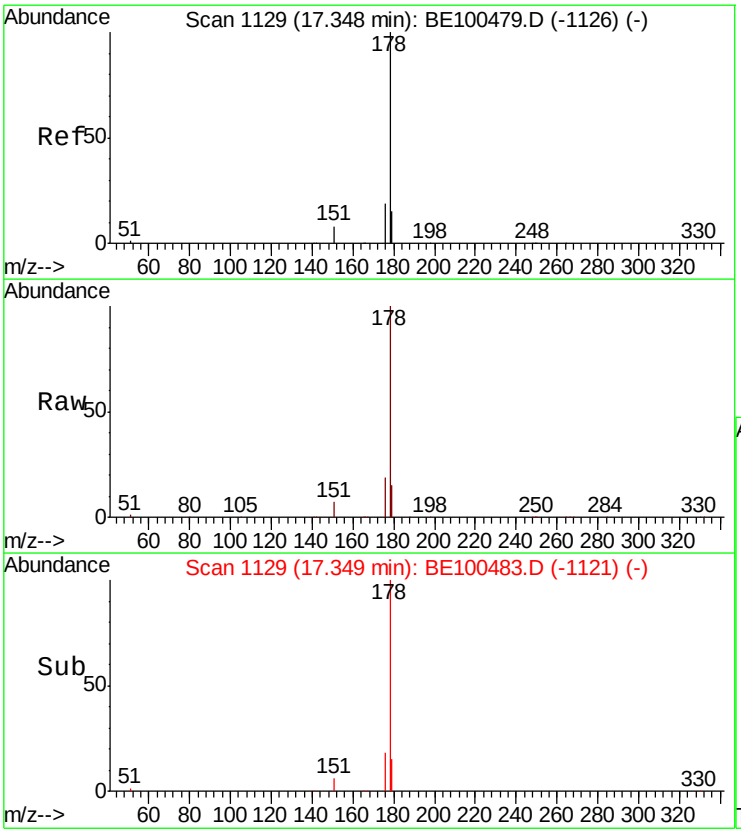
#23
Phenanthrene
Concen: 4.814 ng
RT: 17.25 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 241271

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.3	12.6	18.8

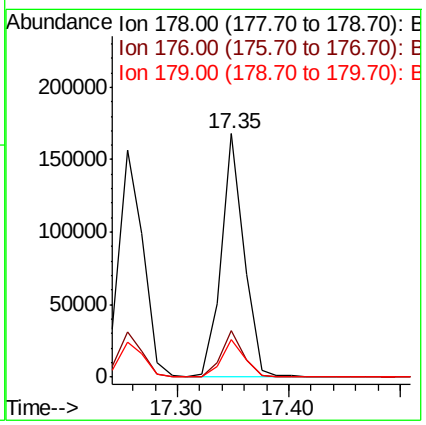


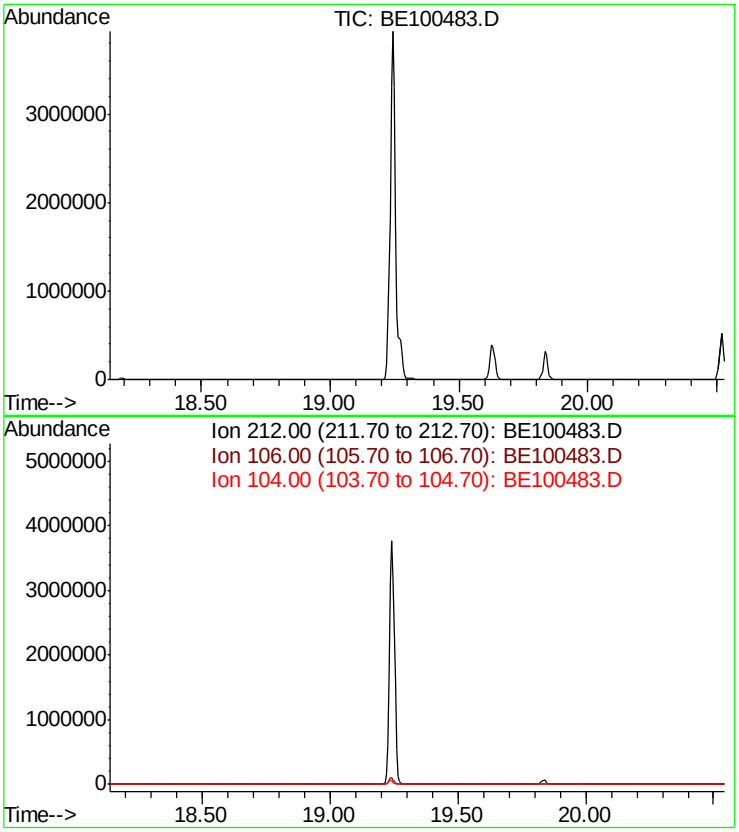


#24
Anthracene
Concen: 5.089 ng
RT: 17.35 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion:178 Resp: 238291

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.3	12.2	18.2





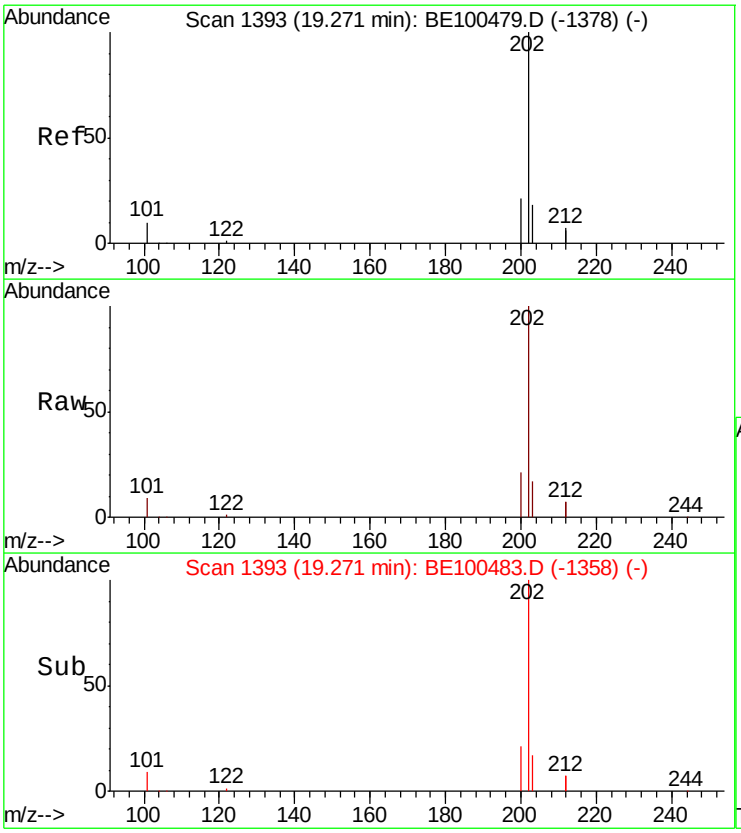
#25
Fluoranthene-d10
Concen: 0.000 ng
Expected RT: 19.24 min

Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion: 212

Sig	Exp Ratio
212	100
106	2.8
104	1.5

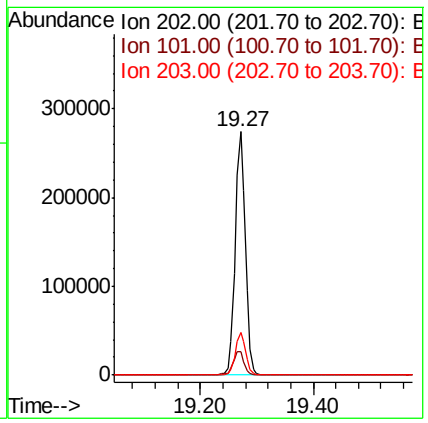
Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

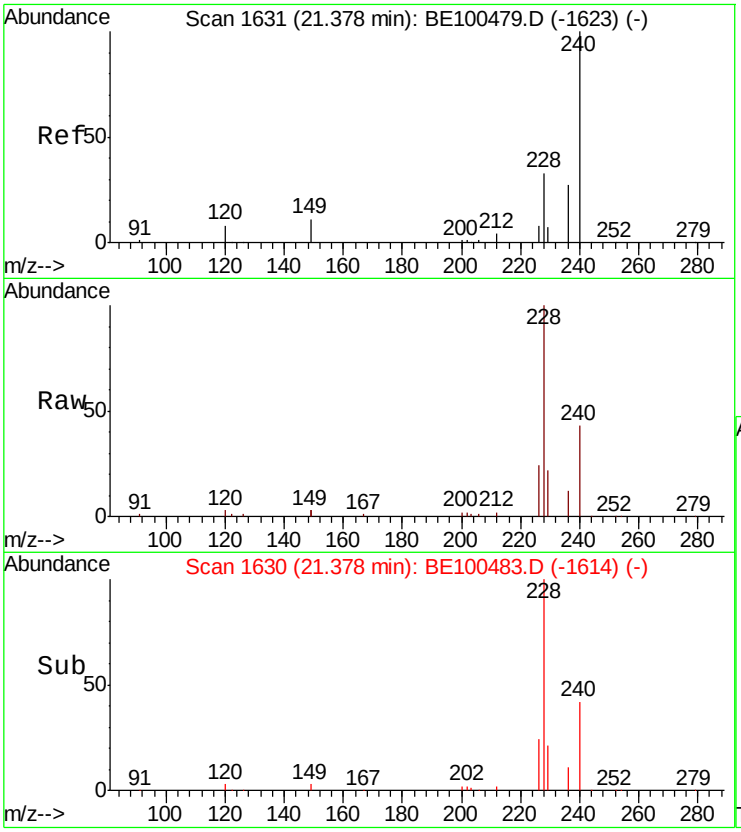


#26
Fluoranthene
Concen: 4.693 ng
RT: 19.27 min Scan# 1393
Delta R.T. 0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion:202 Resp: 349457

Ion	Ratio	Lower	Upper
202	100		
101	10.5	8.0	12.0
203	17.9	13.5	20.3



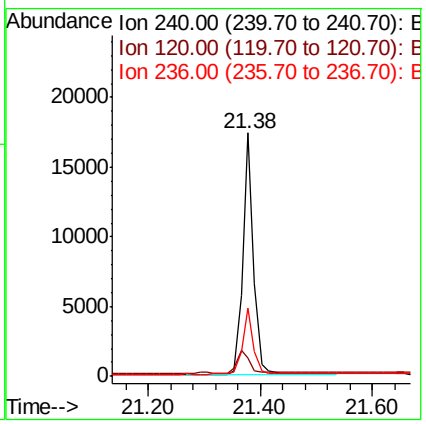


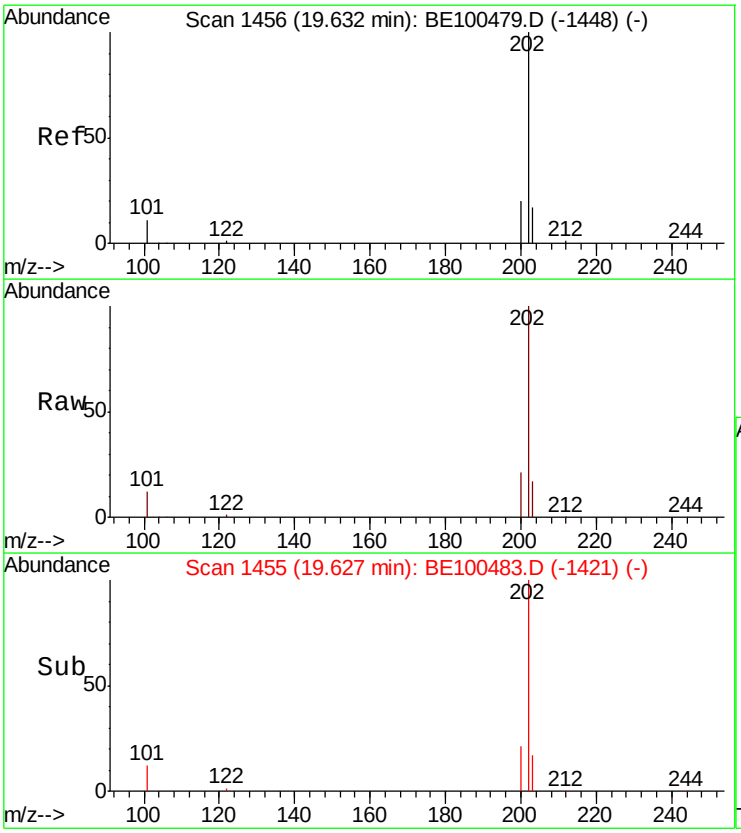
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 23026

Ion	Ratio	Lower	Upper
240	100		
120	7.5	8.2	12.2#
236	27.8	22.6	34.0

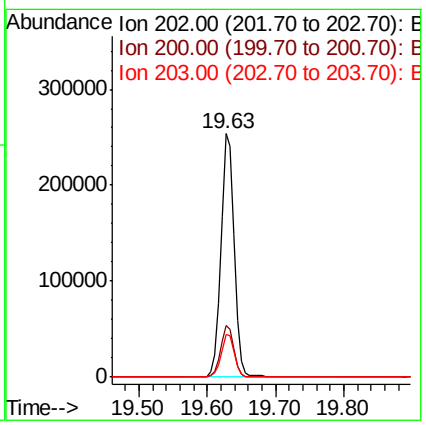


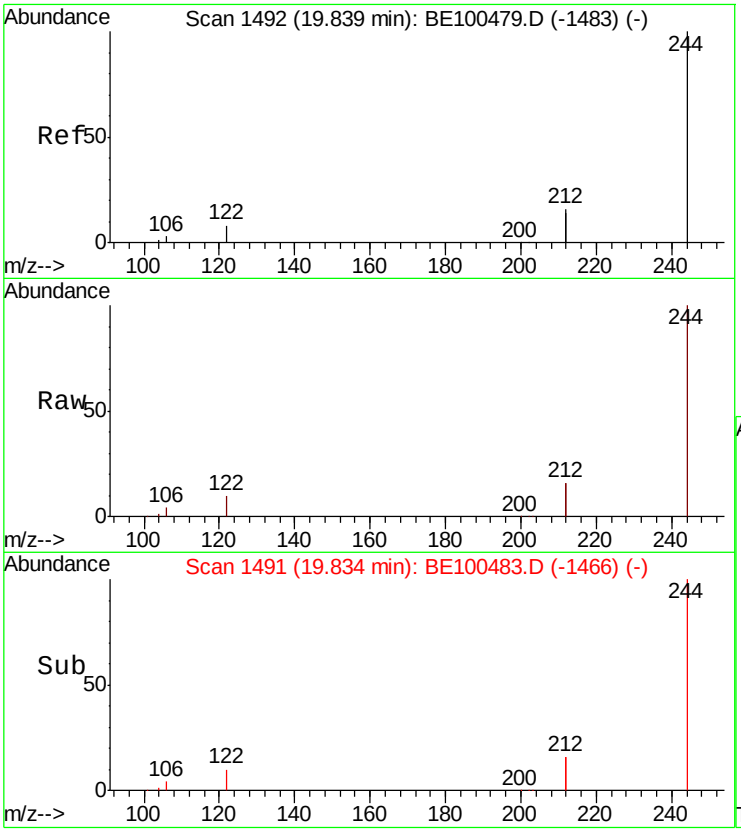


#28
Pyrene
Concen: 5.128 ng
RT: 19.63 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion:202 Resp: 347241

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	24.8
203	17.8	14.1	21.1



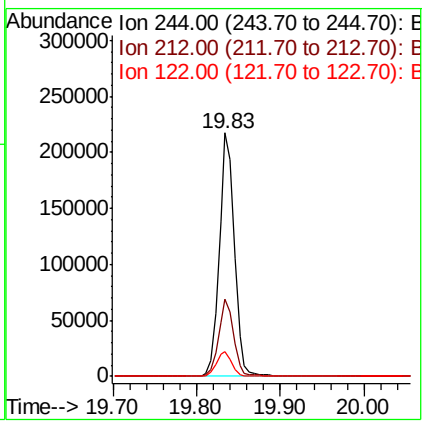


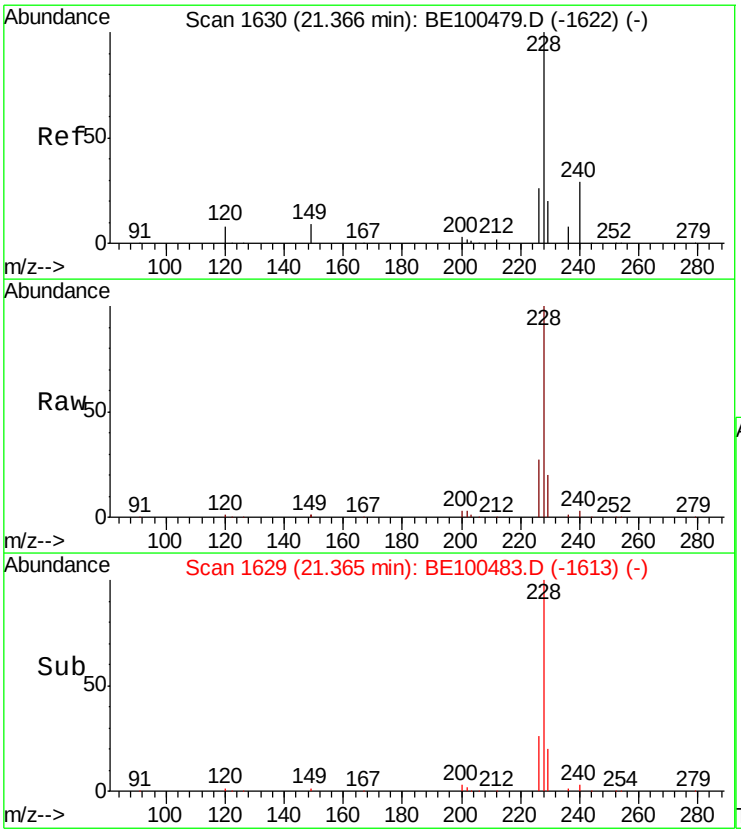
#29
Terphenyl-d14
Concen: 5.136 ng
RT: 19.83 min Scan# 1491
Delta R.T. -0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 272709

Ion	Ratio	Lower	Upper
244	100		
212	31.6	25.6	38.4
122	10.0	7.2	10.8

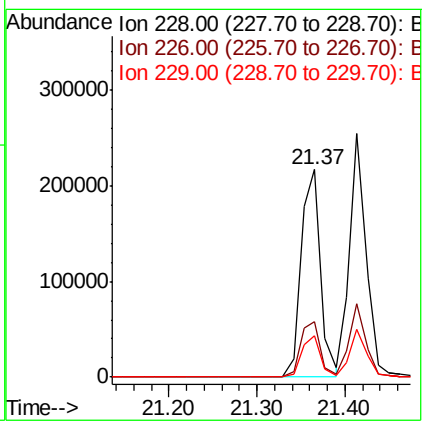


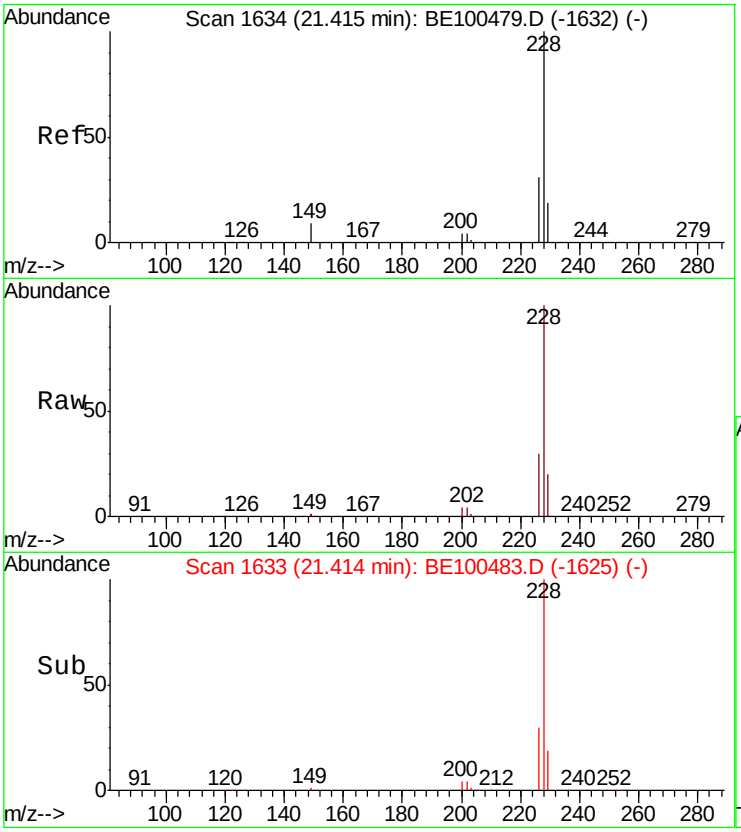


#30
Benzo(a)anthracene
Concen: 4.804 ng
RT: 21.37 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion:228 Resp: 337398

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.4	32.2
229	20.2	17.3	25.9



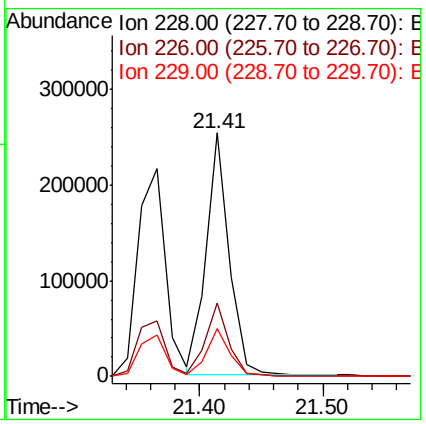


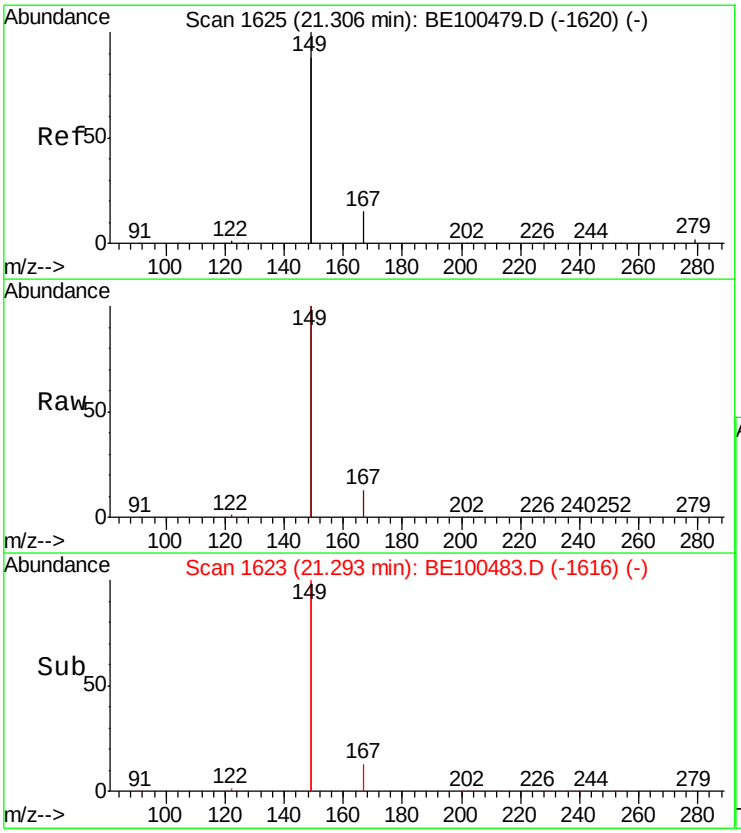
#31
Chrysene
Concen: 4.727 ng
RT: 21.41 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 331148

Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	19.5	16.7	25.1

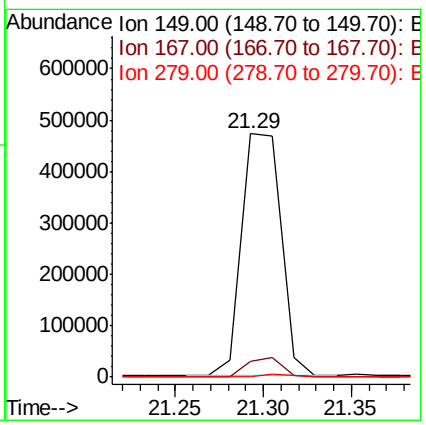


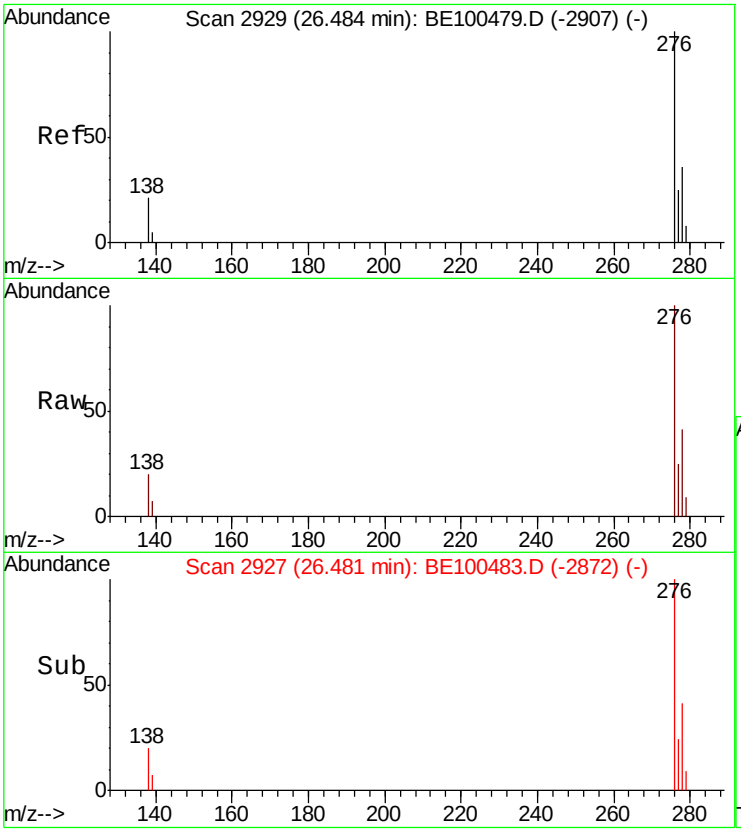


#32
Bis(2-ethylhexyl)phthalate
Concen: 4.687 ng
RT: 21.29 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion:149 Resp: 730596

Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.9	8.9
279	1.0	1.0	1.6#



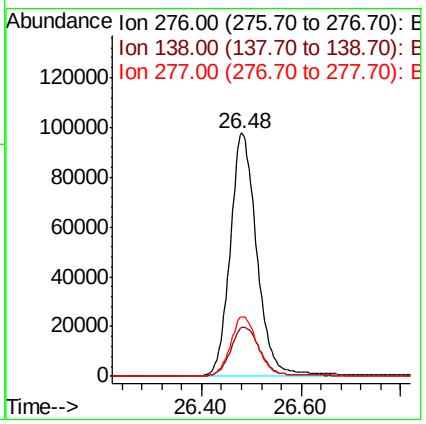


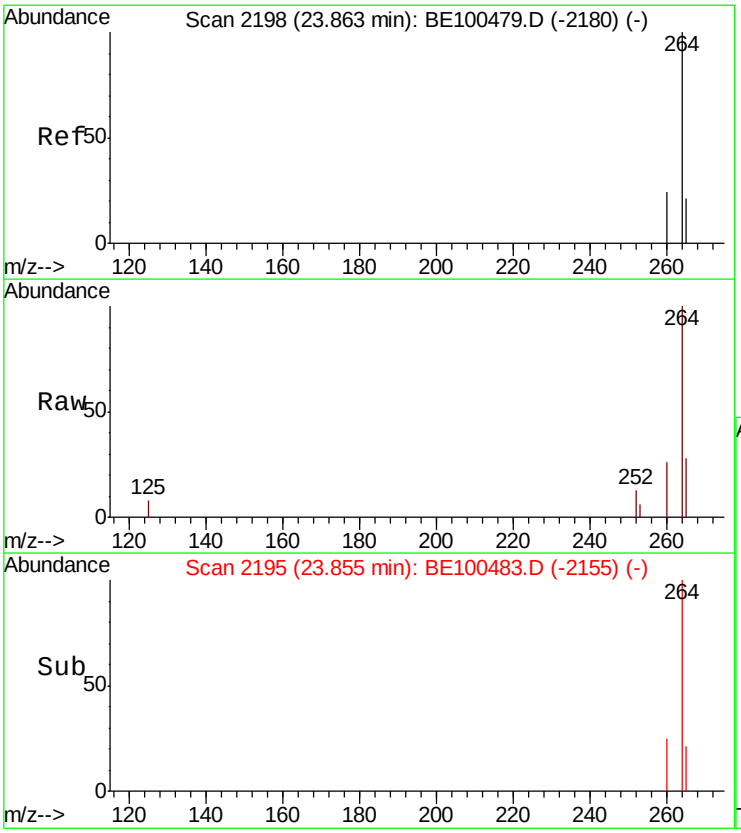
#33
Indeno(1,2,3-cd)pyrene
Concen: 4.780 ng
RT: 26.48 min Scan# 2927
Delta R.T. -0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 361988

Ion	Ratio	Lower	Upper
276	100		
138	22.0	16.6	25.0
277	25.0	19.1	28.7

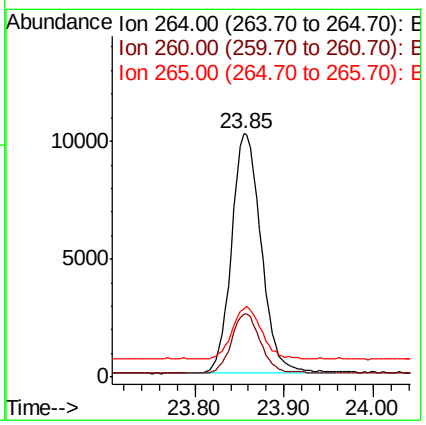


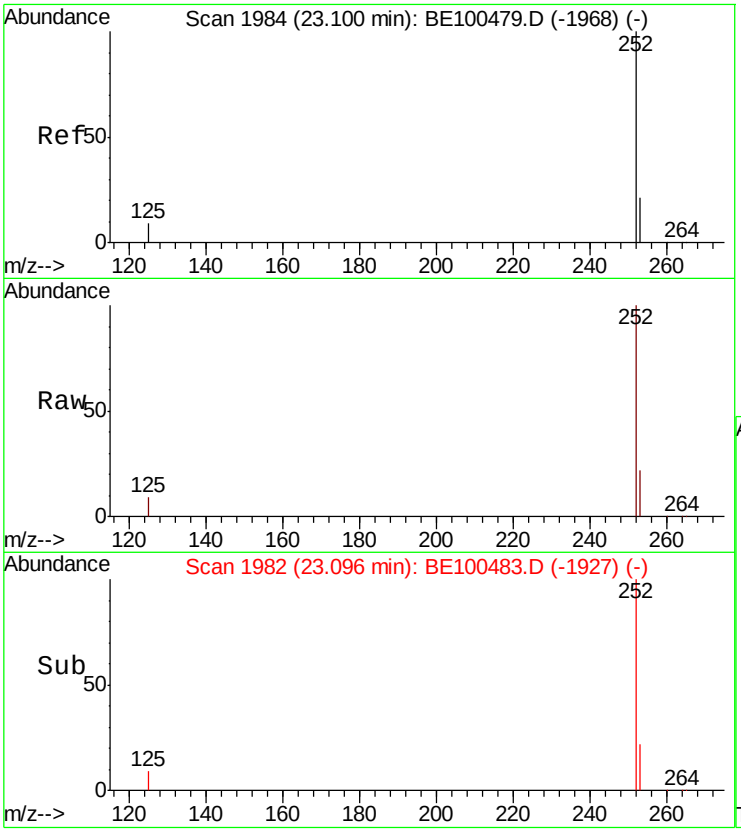


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.85 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion:264 Resp: 23576

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.7	31.1
265	28.2	23.4	35.2



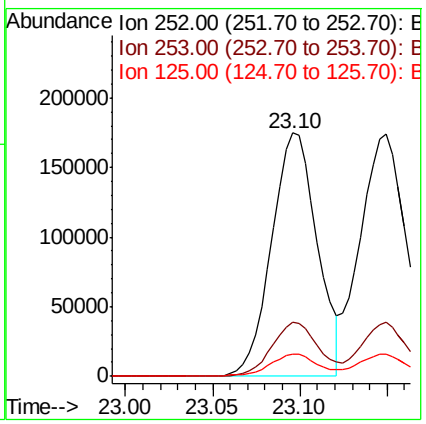


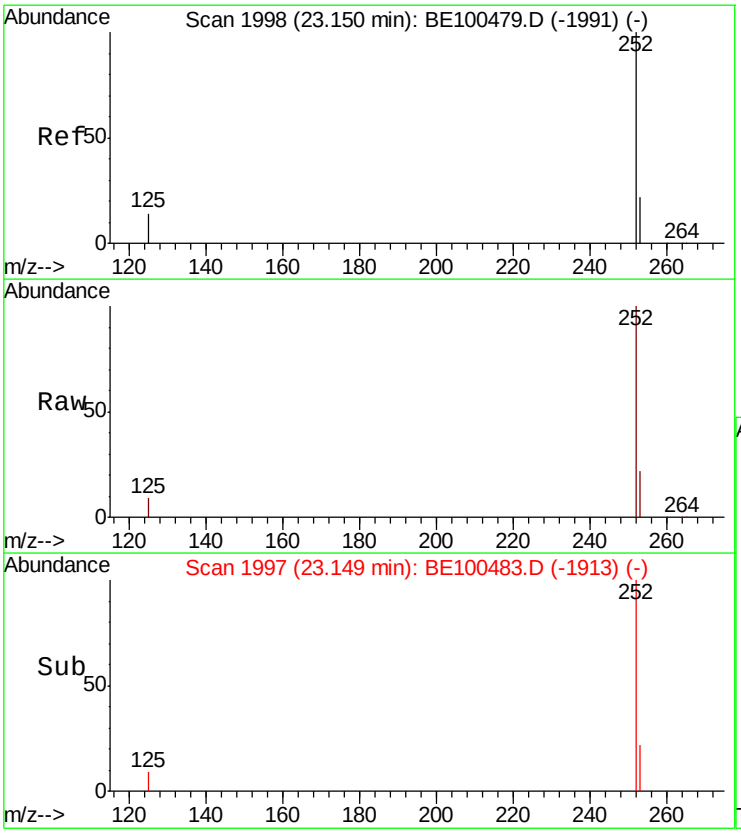
#35
Benzo(b)fluoranthene
Concen: 4.858 ng
RT: 23.10 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 316444

Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.2	28.8
125	9.1	11.9	17.9#

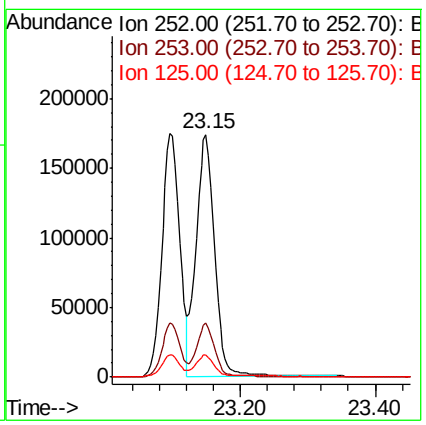


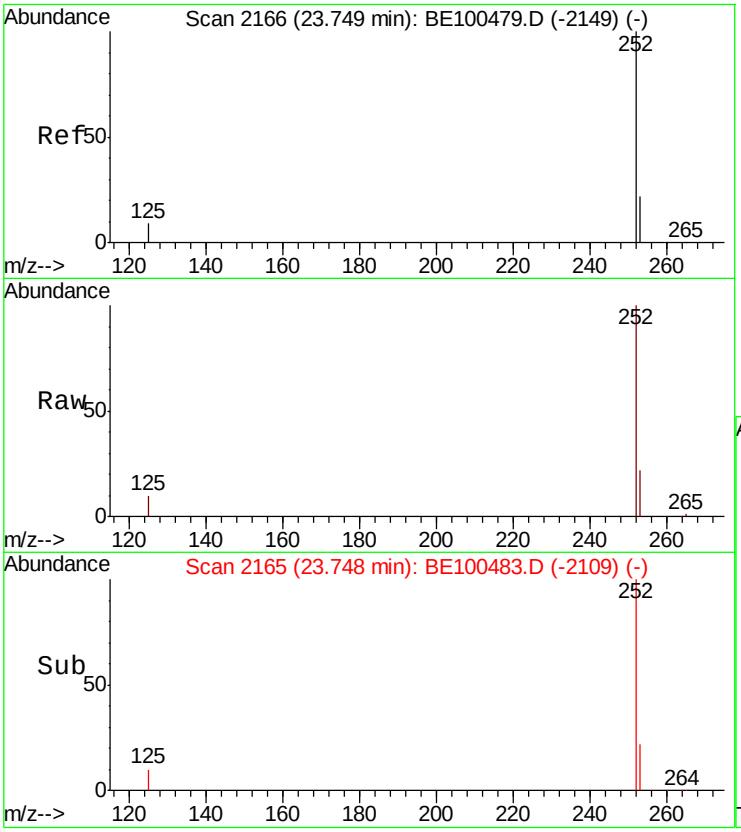


#36
Benzo(k)fluoranthene
Concen: 4.818 ng
RT: 23.15 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion:252 Resp: 333477

Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.7	29.5
125	9.1	15.2	22.8#



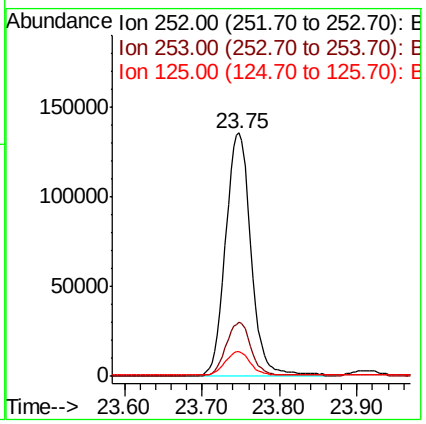


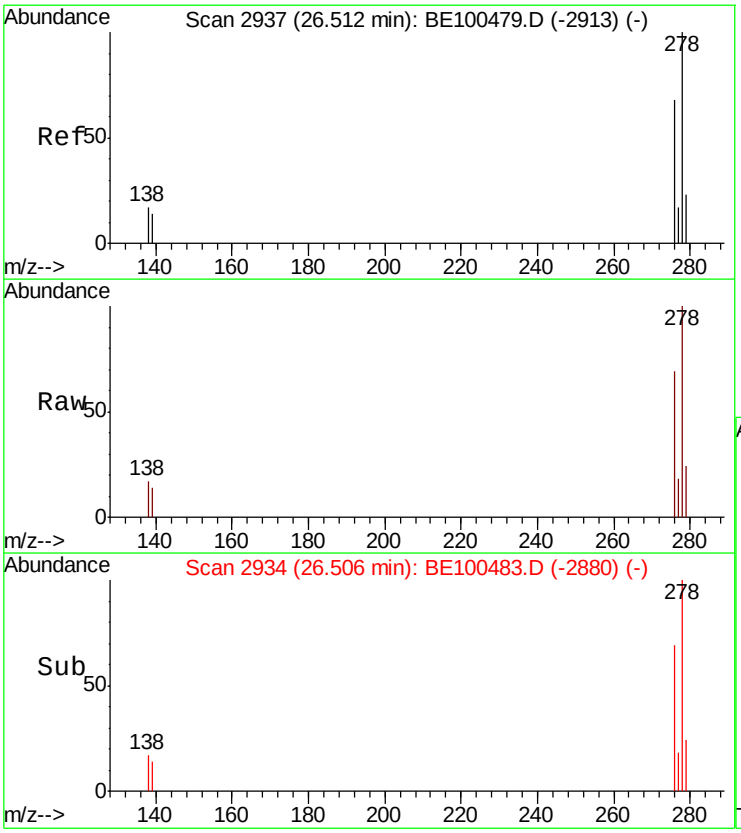
#37
Benzo(a)pyrene
Concen: 4.880 ng
RT: 23.75 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 306633

Ion	Ratio	Lower	Upper
252	100		
253	22.0	20.0	30.0
125	10.1	14.1	21.1#

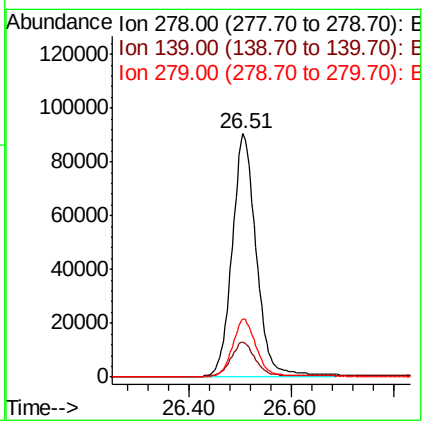


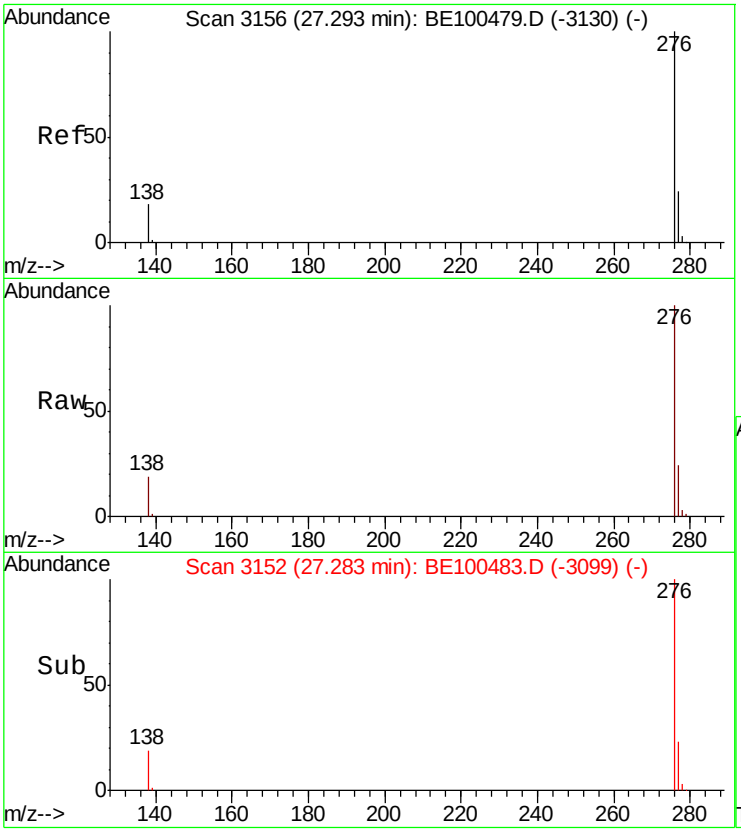


#38
Dibenzo(a,h)anthracene
Concen: 5.024 ng
RT: 26.51 min Scan# 2934
Delta R.T. -0.01 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Tgt Ion:278 Resp: 297321

Ion	Ratio	Lower	Upper
278	100		
139	14.5	16.8	25.2#
279	23.8	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 4.843 ng
RT: 27.28 min Scan# 3152
Delta R.T. -0.01 min
Lab File: BE100483.D
Acq: 22 Jul 2019 16:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 295233

Ion	Ratio	Lower	Upper
276	100		
277	23.7	22.0	33.0
138	19.0	17.3	25.9