Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050719\
Data File : BE099561.D
Acq On : 7 May 2019 11:25
Operator : JU/SJ
Sample : SSTDICC0.8
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC0.8

Quant Time: May 07 13:45:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 13:34:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1591	0.40	ng		0.00
7) Naphthalene-d8	10.63	136	5736	0.40	ng		0.00
13) Acenaphthene-d10	14.50	164	4196	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	12060	0.40	ng		0.00
27) Chrysene-d12	21.43	240	17946	0.40	ng		0.00
34) Perylene-d12	23.98	264	19068	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	3811	0.87	ng		0.00
5) Phenol-d6	6.98	99	4892	0.84	ng		0.00
8) Nitrobenzene-d5	8.98	82	4773	0.89	ng		0.00
11) 2-Methylnaphthalene-d10	12.22	152	8568	0.83	ng		0.00
14) 2,4,6-Tribromophenol	15.98	330	2365	0.89	ng		0.00
15) 2-Fluorobiphenyl	13.12	172	13227	0.83	ng		0.00
25) Fluoranthene-d10	19.28	212	136970	0.84	ng		0.00
29) Terphenyl-d14	19.87	244	27960	0.85	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	1830	0.836	ng		96
3) n-Nitrosodimethylamine	3.64	42	1159	0.879	ng	#	87
6) bis(2-Chloroethyl)ether	7.24	93	3999	0.792	ng		97
9) Naphthalene	10.68	128	52300	0.837	ng		99
10) Hexachlorobutadiene	10.95	225	3858	0.887	ng		97
12) 2-Methylnaphthalene	12.30	142	8831	0.812	ng		93
16) Acenaphthylene	14.21	152	16801	0.818	ng		99
17) Acenaphthene	14.56	154	9523	0.812	ng		97
18) Fluorene	15.53	166	13729	0.794	ng		98
20) 4-Bromophenyl-phenylether	16.43	248	5796	0.826	ng		94
21) Hexachlorobenzene	16.55	284	5759	0.861	ng		99
22) Pentachlorophenol	16.89	266	2288	0.758	ng		95
23) Phenanthrene	17.28	178	25142	0.808	ng		99
24) Anthracene	17.38	178	24228	0.817	ng		99
26) Fluoranthene	19.30	202	38552	0.827	ng		99
28) Pyrene	19.67	202	40436	0.864	ng		100
30) Benzo(a)anthracene	21.41	228	46229	0.809	ng		99
31) Chrysene	21.46	228	45419	0.812	ng		99
32) Bis(2-ethylhexyl)phthalate	21.32	149	71753	0.722	ng		100
33) Indeno(1,2,3-cd)pyrene	26.68	276	53818	0.814	ng		100
35) Benzo(b)fluoranthene	23.19	252	44392	0.807	ng		98
36) Benzo(k)fluoranthene	23.24	252	44091	0.832	ng		97
37) Benzo(a)pyrene	23.86	252	42755	0.823	ng		98
38) Dibenzo(a,h)anthracene	26.71	278	43759	0.823	ng		98
39) Benzo(g,h,i)perylene	27.52	276	44275	0.831	ng		100

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

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Operator : JU/SJ
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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
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Quant Time: May 07 13:45:02 2019
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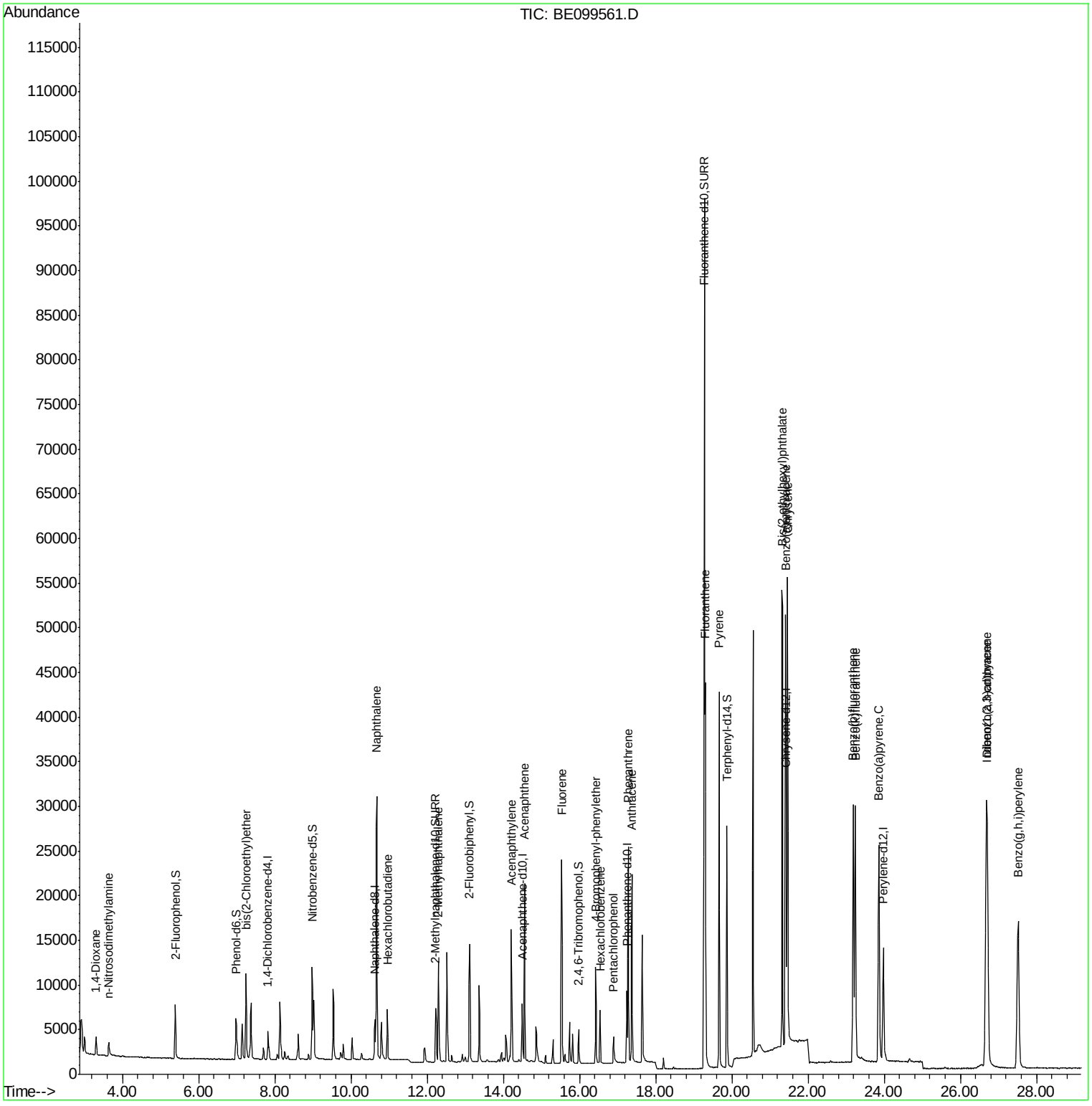
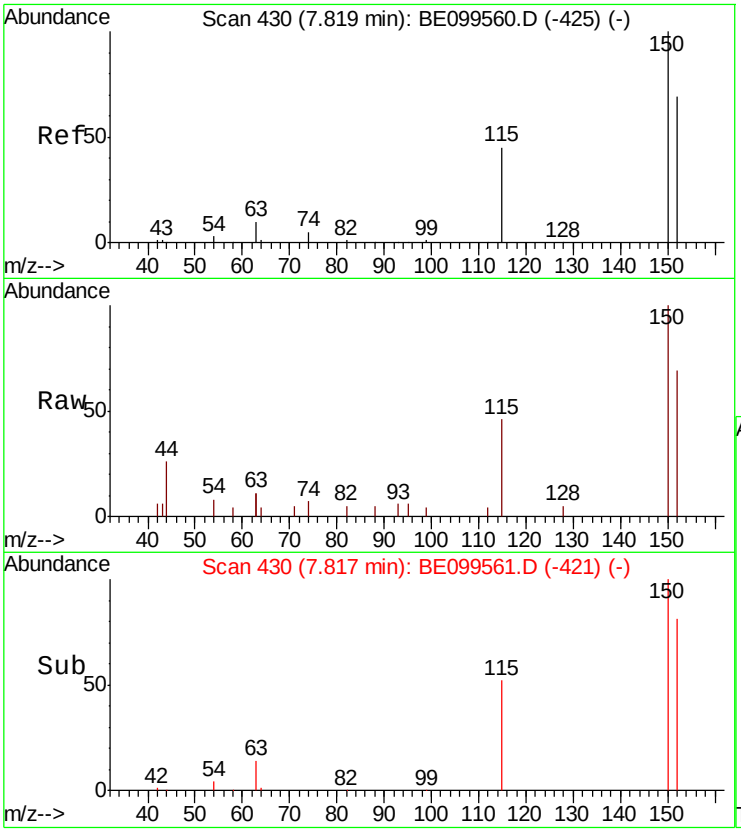
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 13:34:41 2019
Response via : Initial Calibration



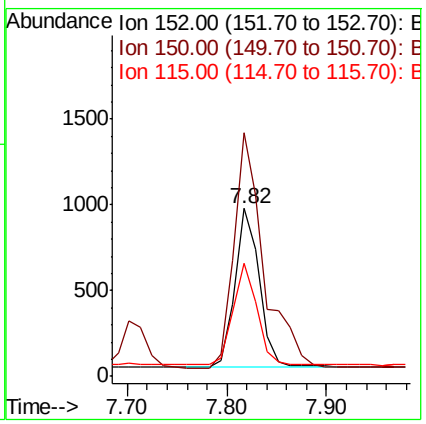


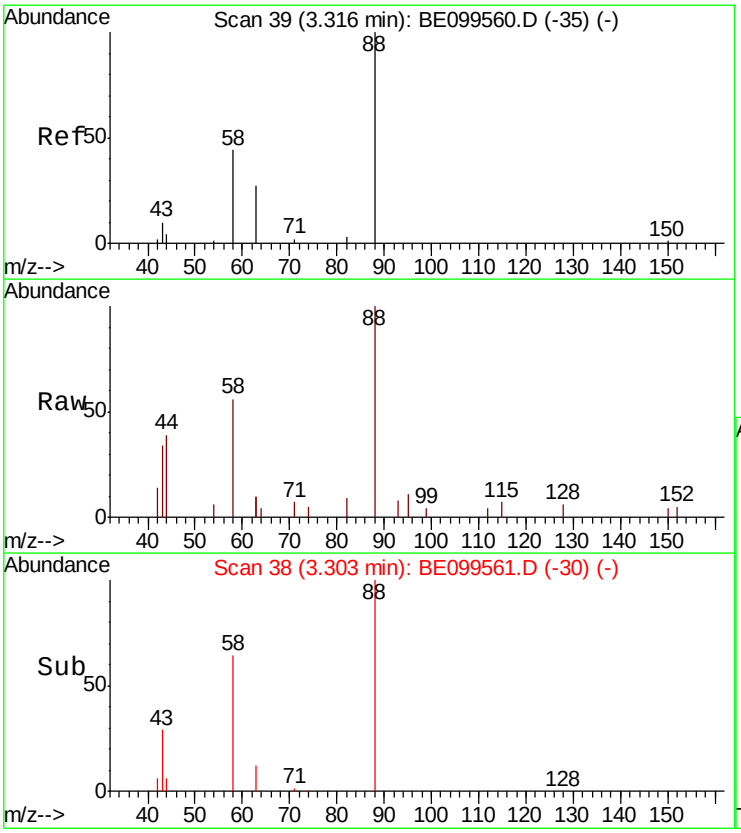
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 1591

Ion	Ratio	Lower	Upper
152	100		
150	145.1	113.8	170.6
115	67.0	54.2	81.2

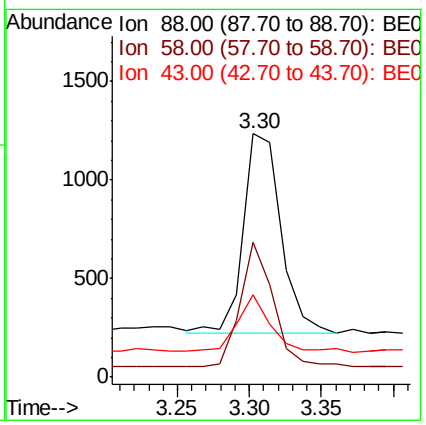


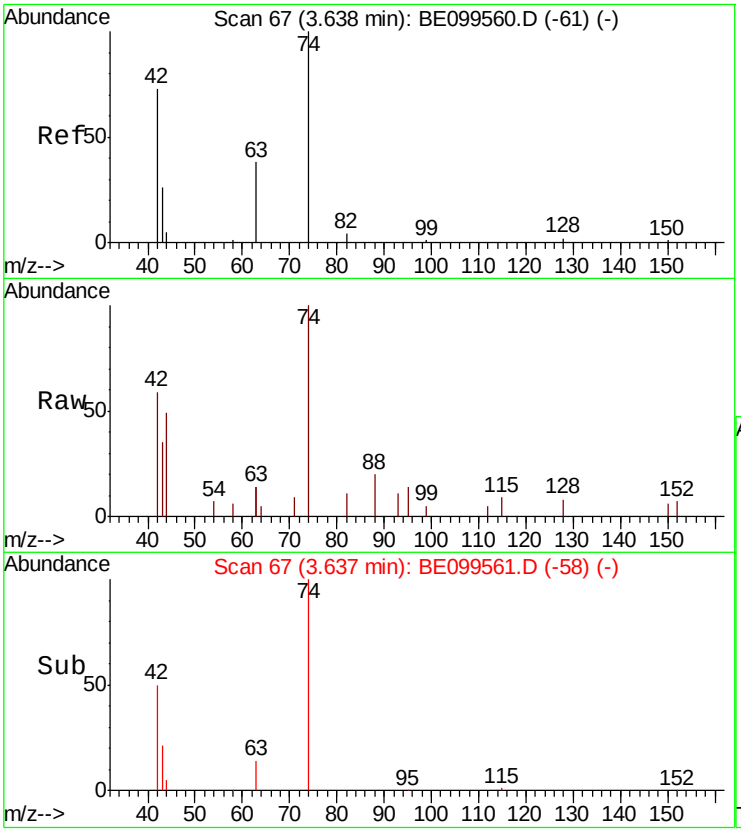


#2
1,4-Dioxane
Concen: 0.836 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.01 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion: 88 Resp: 1830

Ion	Ratio	Lower	Upper
88	100		
58	54.4	46.6	69.8
43	25.5	20.3	30.5



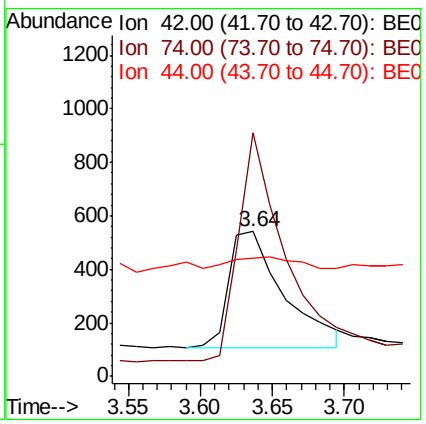


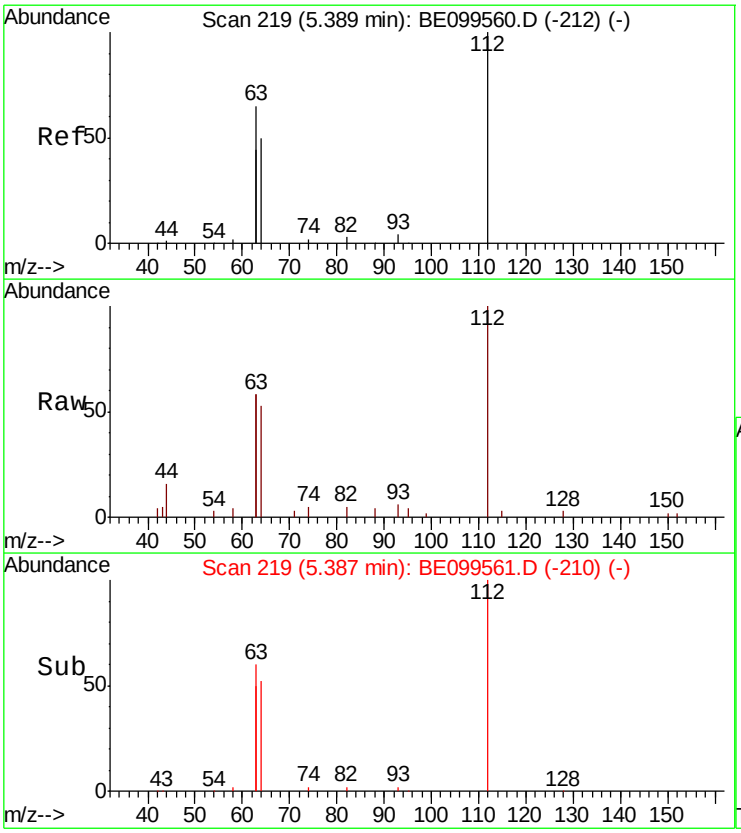
#3
n-Nitrosodimethylamine
Concen: 0.879 ng
RT: 3.64 min Scan# 67
Delta R.T. -0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion: 42 Resp: 1159

Ion	Ratio	Lower	Upper
42	100		
74	168.5	121.3	181.9
44	13.5	0.0	0.0#

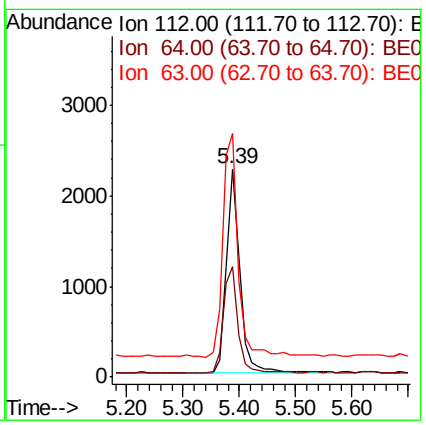


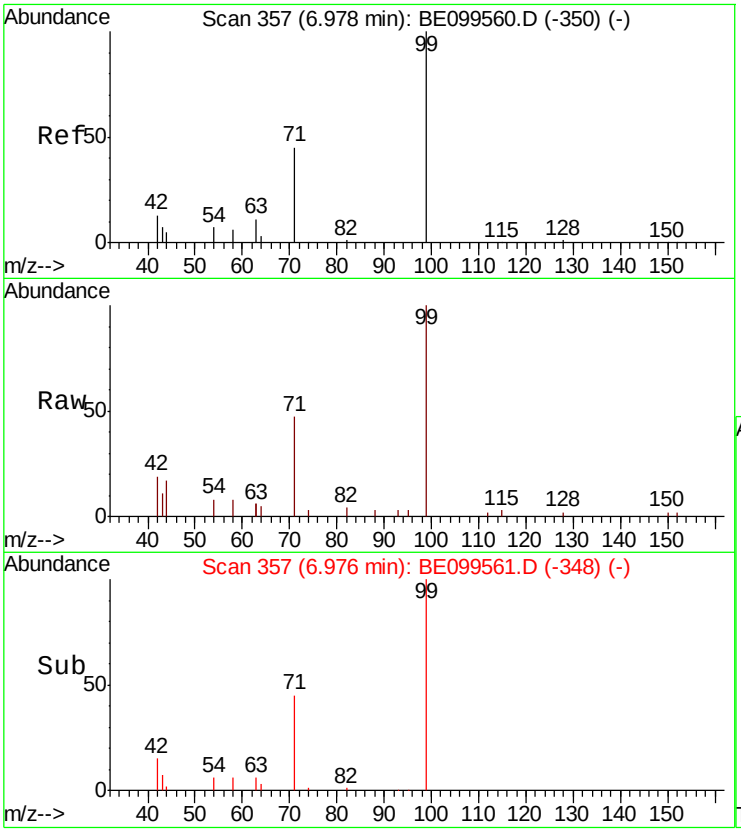


#4
2-Fluorophenol
Concen: 0.866 ng
RT: 5.39 min Scan# 219
Delta R.T. -0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion:112 Resp: 3811

Ion	Ratio	Lower	Upper
112	100		
64	54.9	46.3	69.5
63	121.0	99.6	149.4



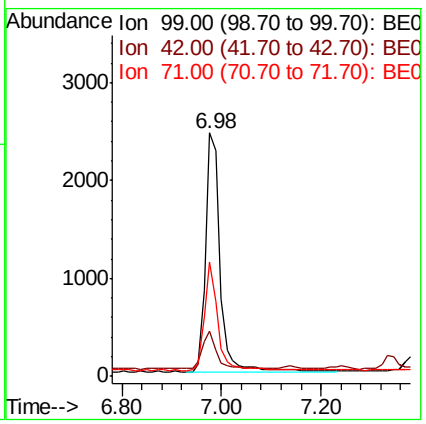


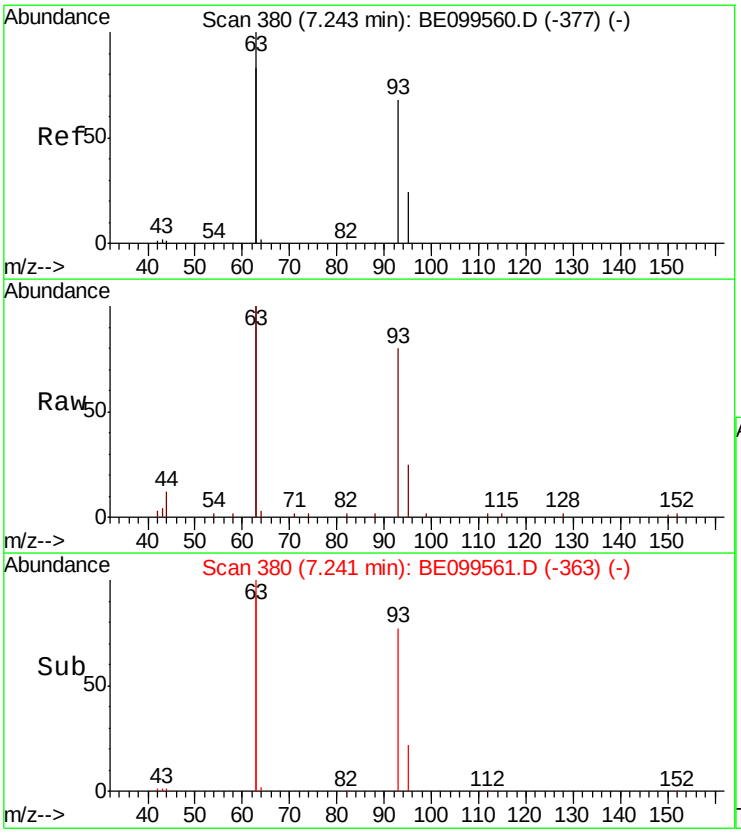
#5
Phenol-d6
Concen: 0.836 ng
RT: 6.98 min Scan# 357
Delta R.T. -0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion: 99 Resp: 4892

Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.4	20.0
71	40.8	34.2	51.2

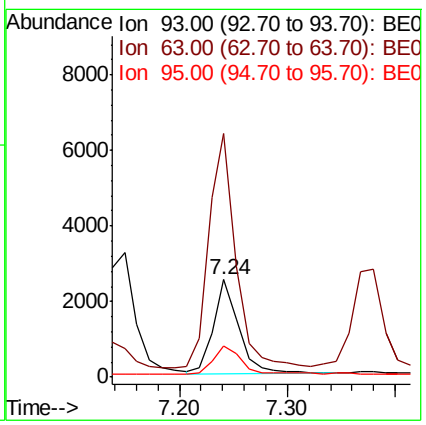


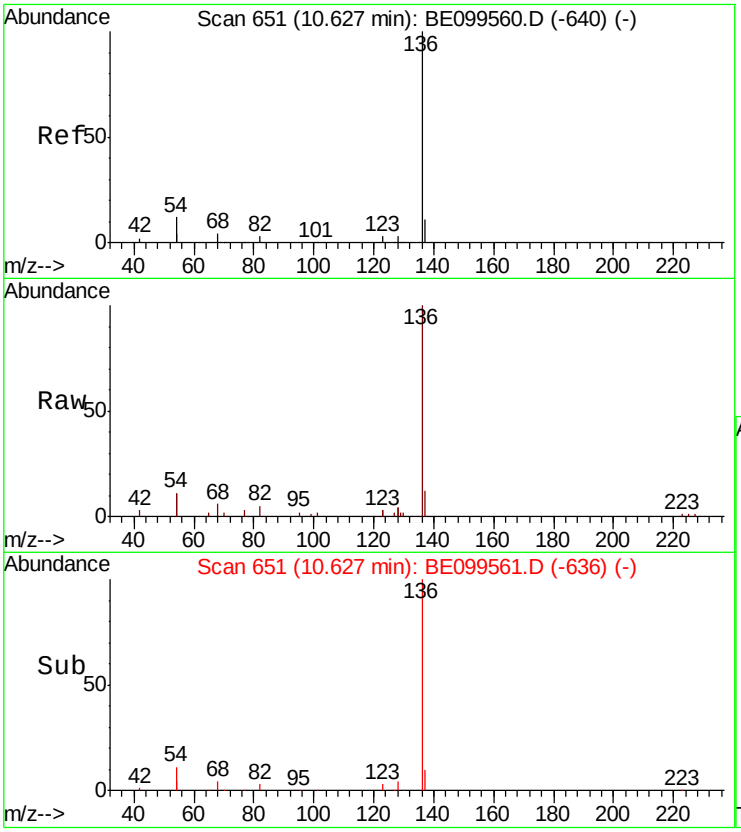


#6
bis(2-Chloroethyl)ether
Concen: 0.792 ng
RT: 7.24 min Scan# 380
Delta R.T. -0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion: 93 Resp: 3999

Ion	Ratio	Lower	Upper
93	100		
63	267.3	209.0	313.4
95	34.1	26.9	40.3



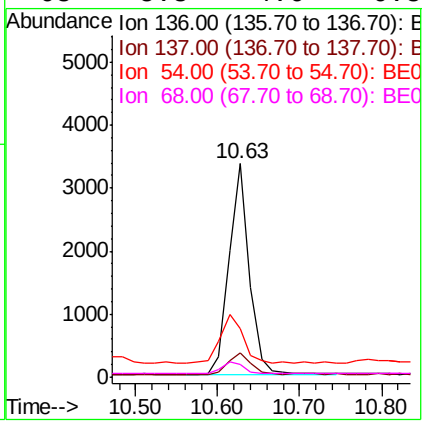


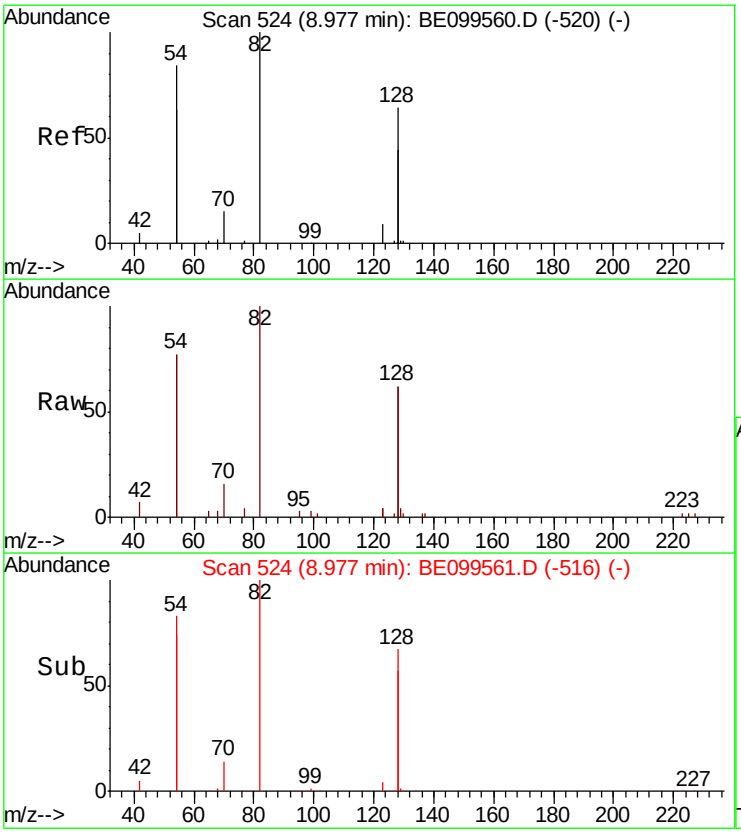
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:136 Resp: 5736

Ion	Ratio	Lower	Upper
136	100		
137	11.7	10.0	15.0
54	22.7	18.6	28.0
68	5.8	4.6	6.8

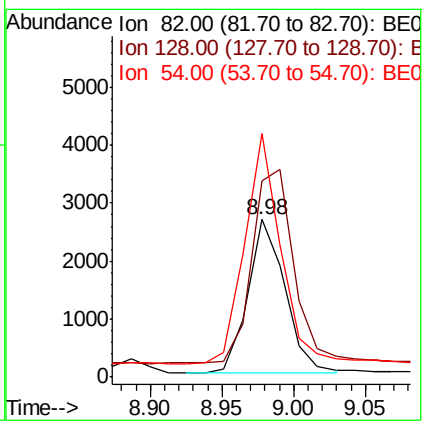


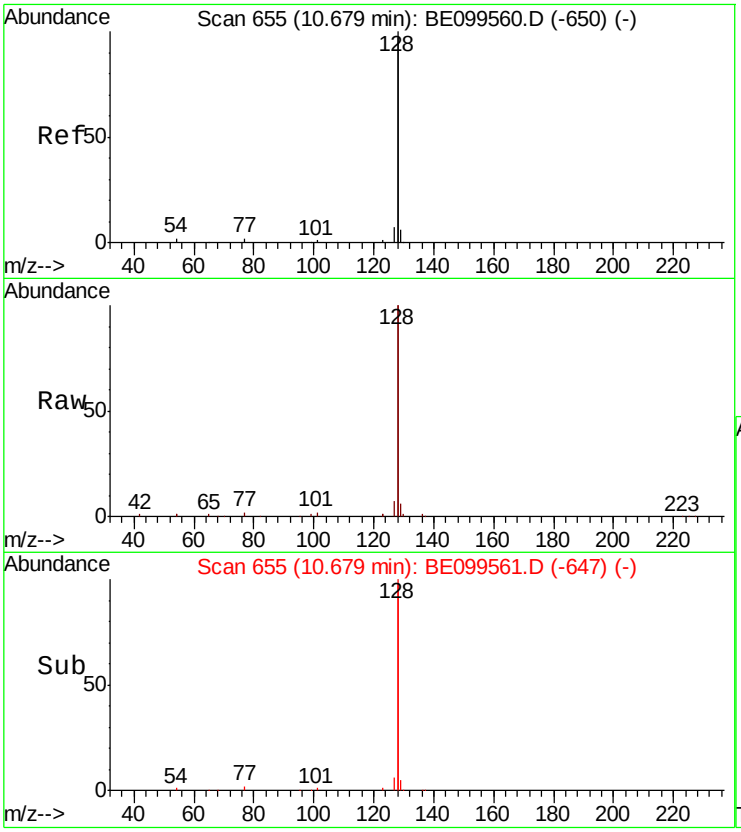


#8
Nitrobenzene-d5
Concen: 0.888 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion: 82 Resp: 4773

Ion	Ratio	Lower	Upper
82	100		
128	124.7	97.6	146.4
54	154.3	127.4	191.2



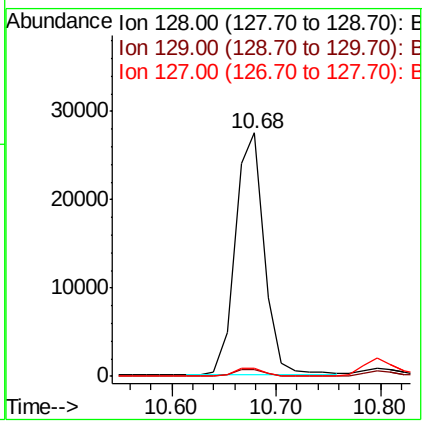


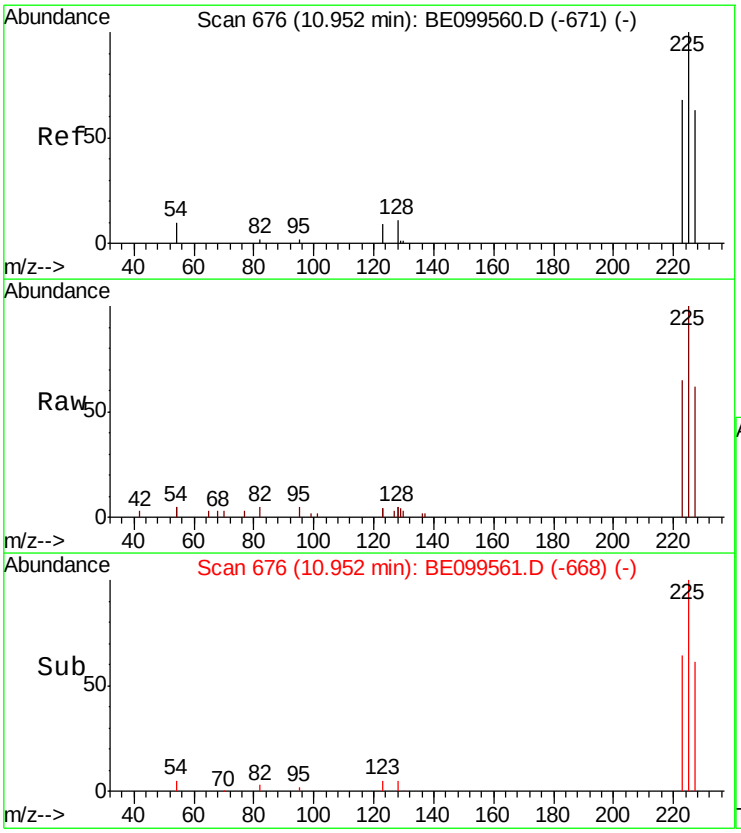
#9
Naphthalene
Concen: 0.837 ng
RT: 10.68 min Scan# 655
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:128 Resp: 52300

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.6	3.8
127	3.3	3.0	4.4

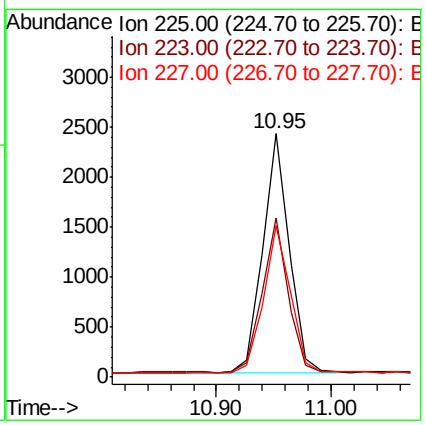


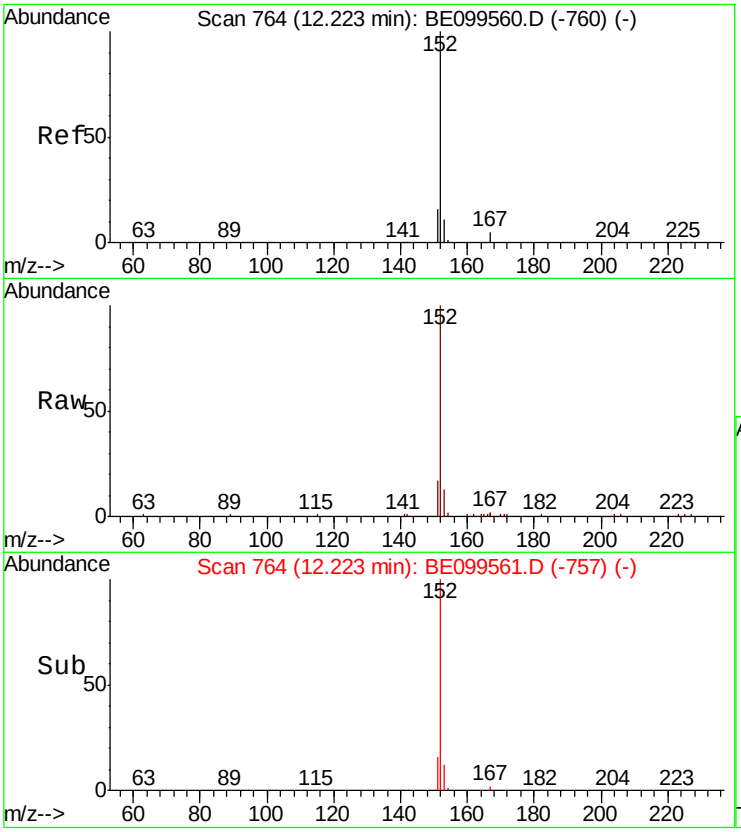


#10
Hexachlorobutadiene
Concen: 0.887 ng
RT: 10.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion:225 Resp: 3858

Ion	Ratio	Lower	Upper
225	100		
223	63.1	53.0	79.6
227	62.2	51.4	77.0



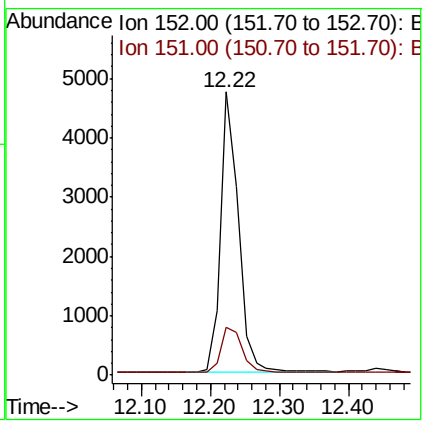


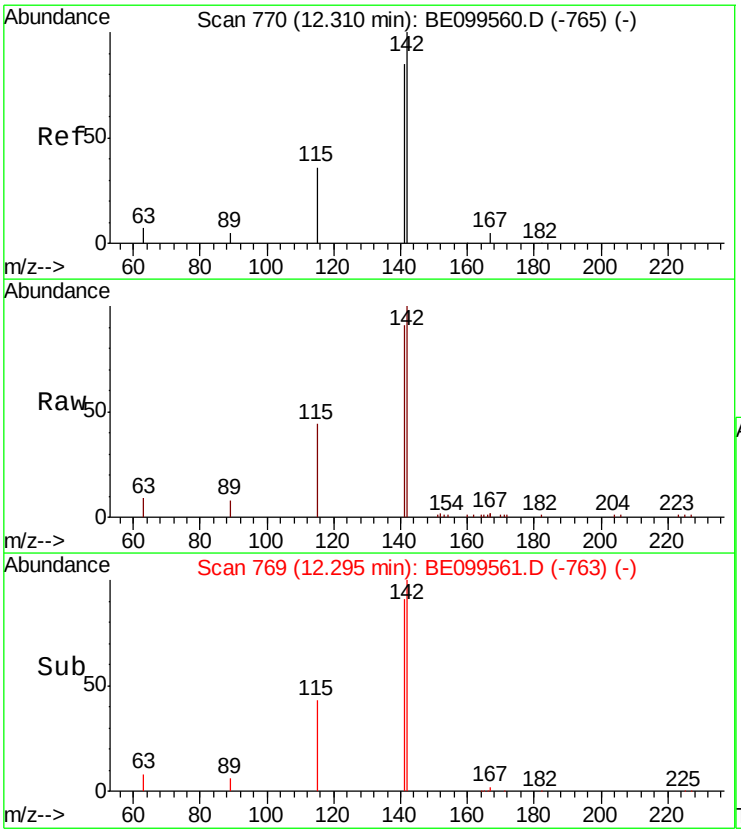
#11
2-Methylnaphthalene-d10
Concen: 0.829 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:152 Resp: 8568

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.8	23.8

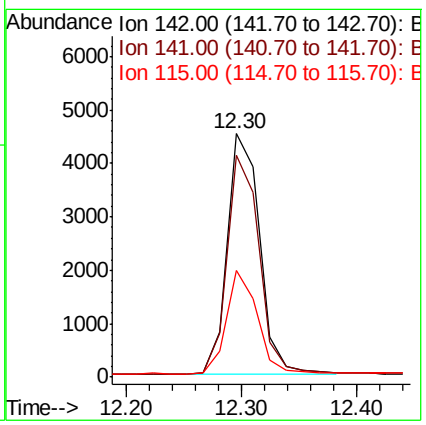


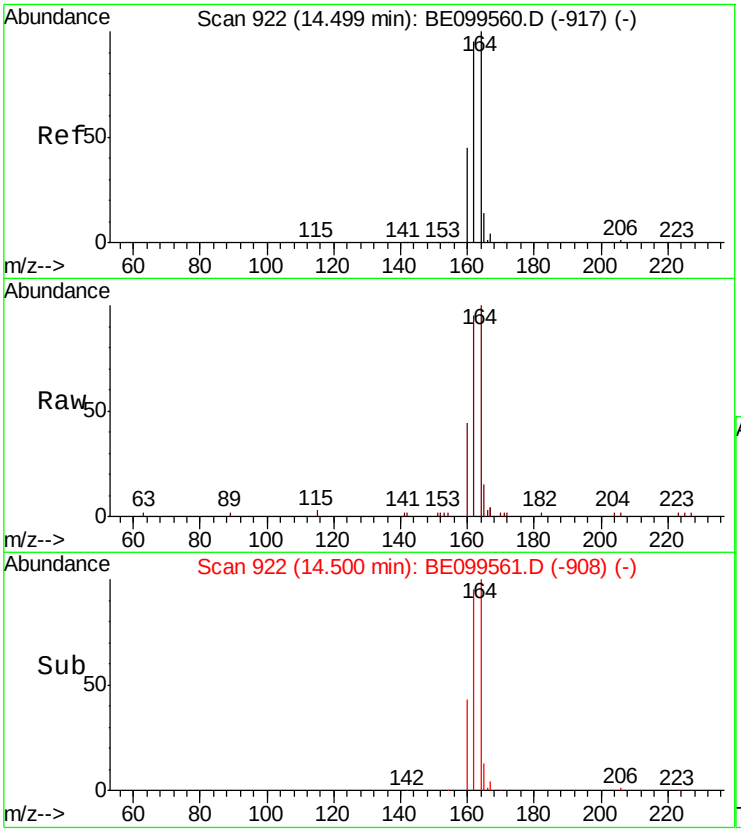


#12
2-Methylnaphthalene
Concen: 0.812 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.01 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion:142 Resp: 8831

Ion	Ratio	Lower	Upper
142	100		
141	91.3	68.1	102.1
115	43.9	30.8	46.2



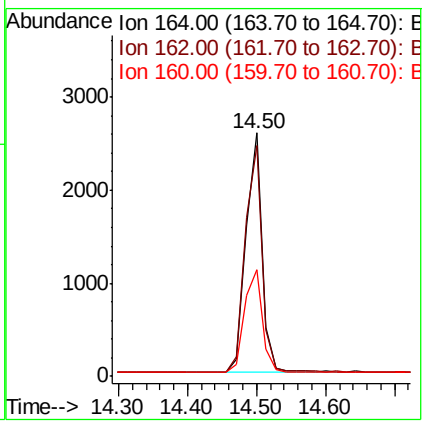


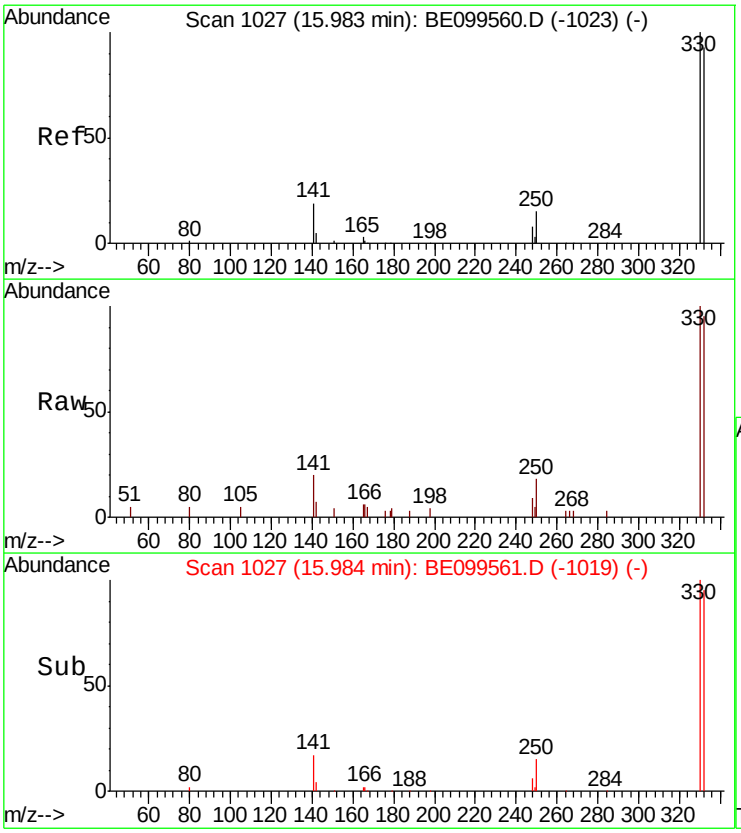
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:164 Resp: 4196

Ion	Ratio	Lower	Upper
164	100		
162	95.1	76.4	114.6
160	43.7	36.6	55.0

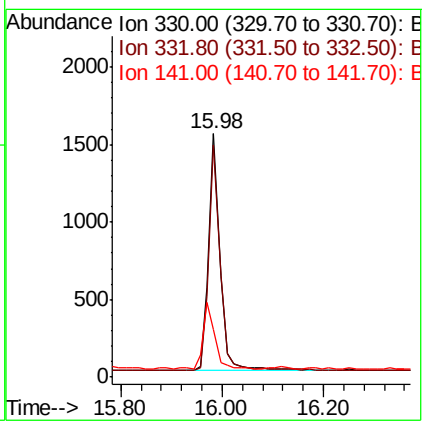


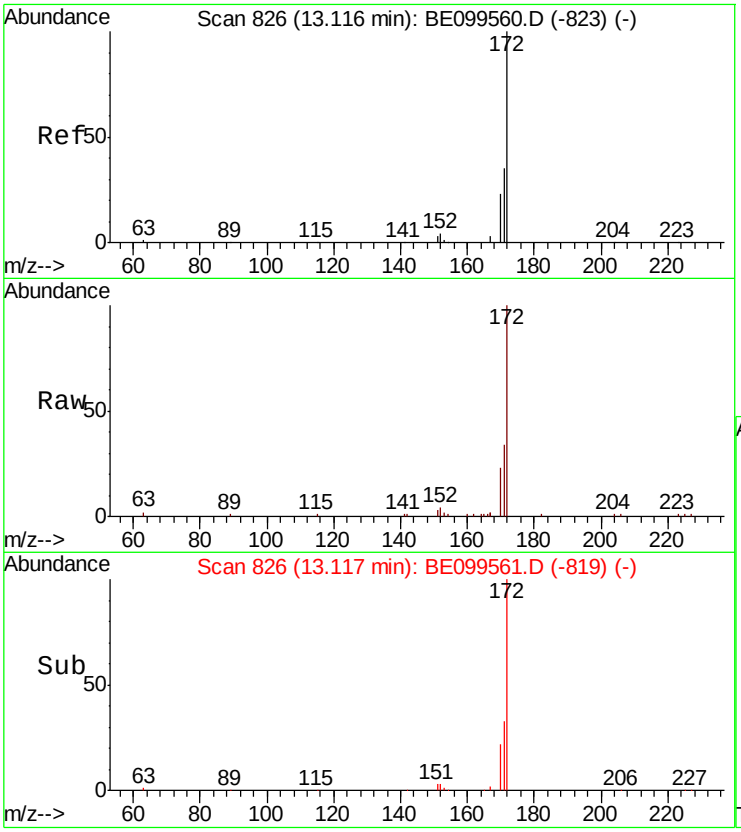


#14
2,4,6-Tribromophenol
Concen: 0.895 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion:330 Resp: 2365

Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.7	116.5
141	28.8	26.1	39.1



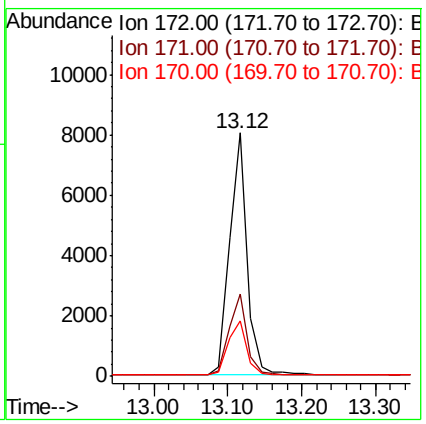


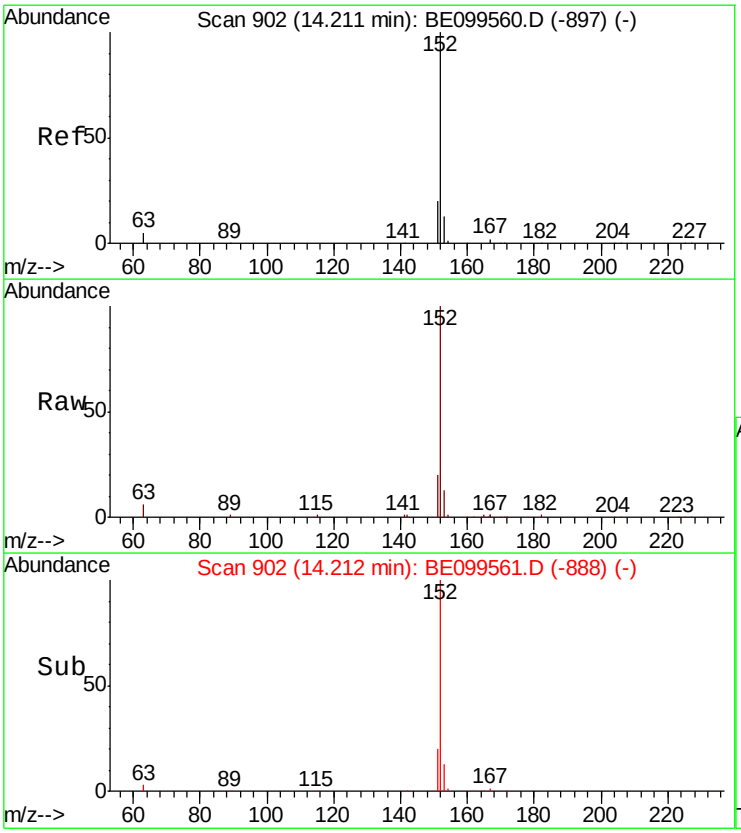
#15
2-Fluorobiphenyl
Concen: 0.826 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:172 Resp: 13227

Ion	Ratio	Lower	Upper
172	100		
171	33.8	28.4	42.6
170	23.0	18.8	28.2

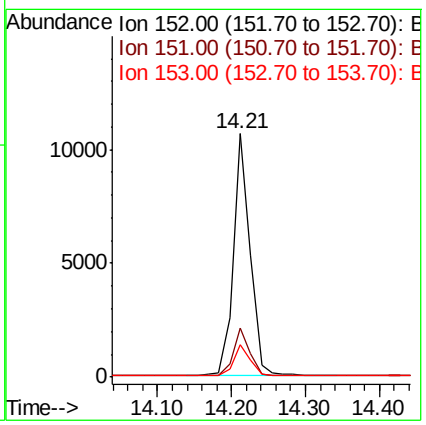


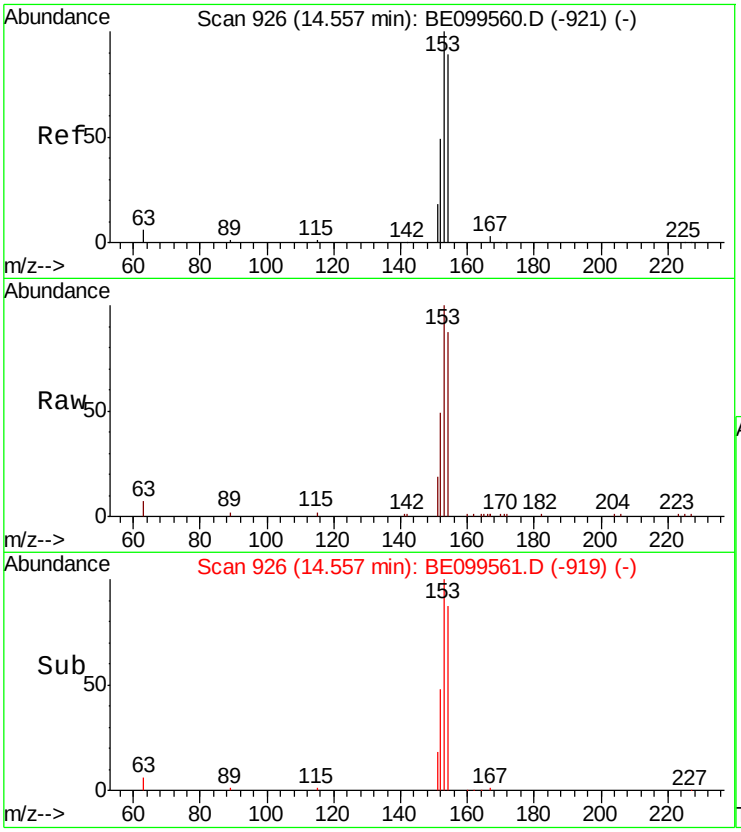


#16
Acenaphthylene
Concen: 0.818 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion:152 Resp: 16801

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.8
153	12.9	10.5	15.7



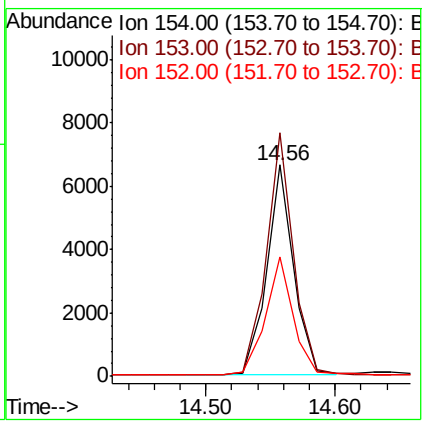


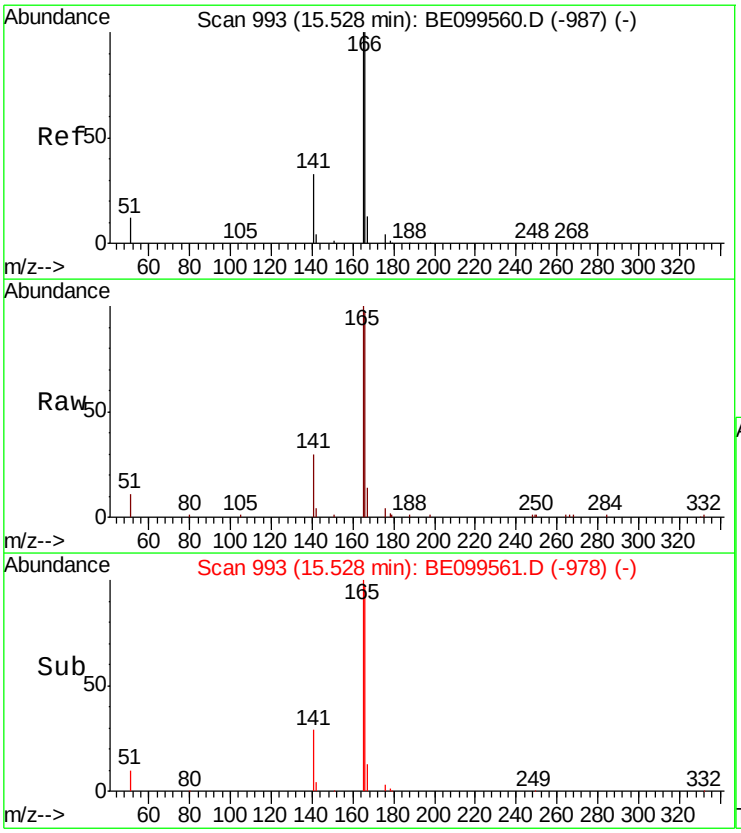
#17
Acenaphthene
Concen: 0.812 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:154 Resp: 9523

Ion	Ratio	Lower	Upper
154	100		
153	115.5	89.7	134.5
152	56.5	43.9	65.9

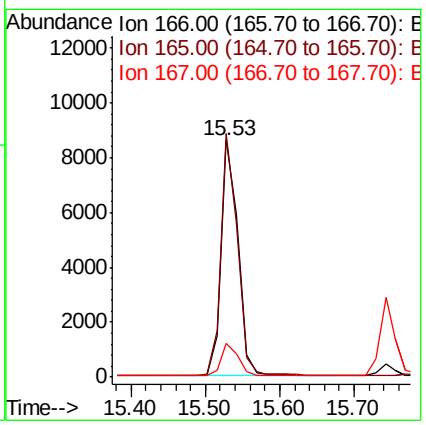


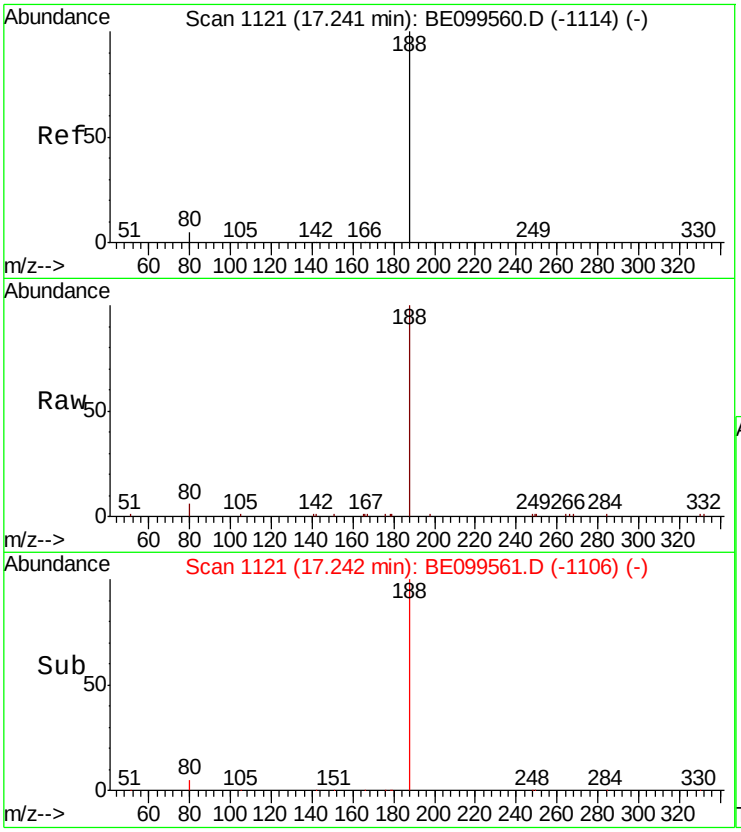


#18
Fluorene
Concen: 0.794 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion:166 Resp: 13729

Ion	Ratio	Lower	Upper
166	100		
165	100.5	79.0	118.6
167	13.6	11.5	17.3



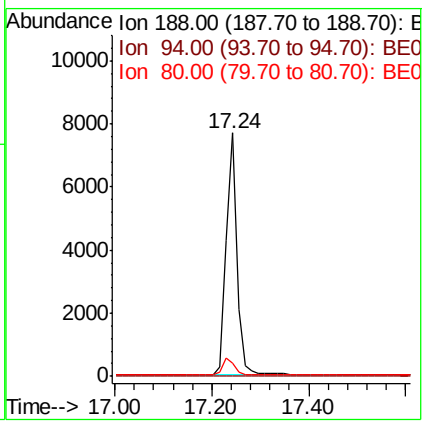


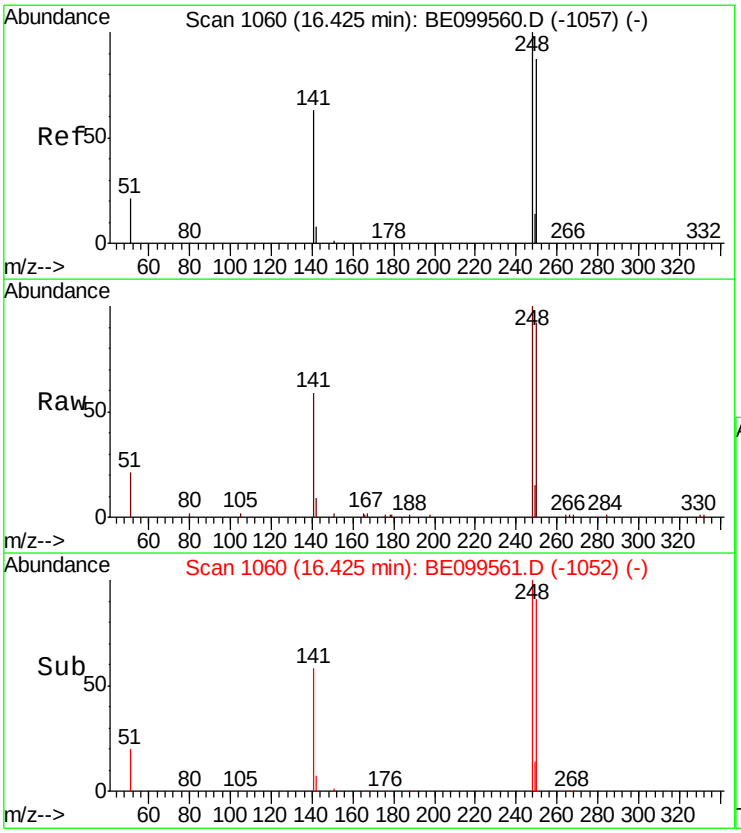
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:188 Resp: 12060

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.6	4.6	7.0

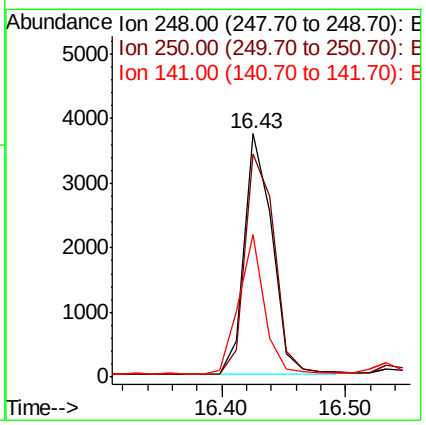


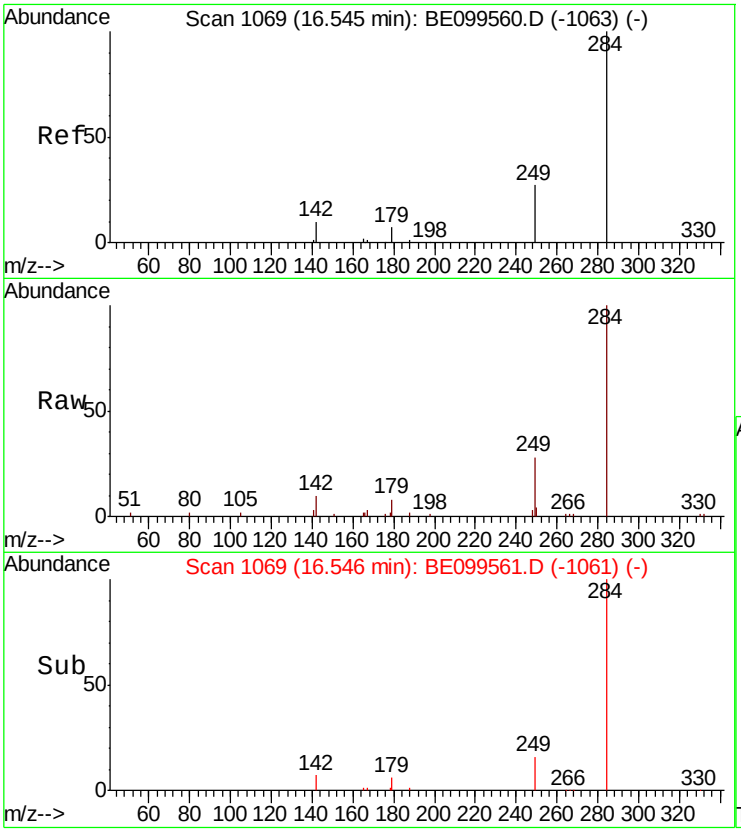


#20
4-Bromophenyl-phenylether
Concen: 0.826 ng
RT: 16.43 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion:248 Resp: 5796

Ion	Ratio	Lower	Upper
248	100		
250	91.5	70.0	105.0
141	58.5	51.8	77.8



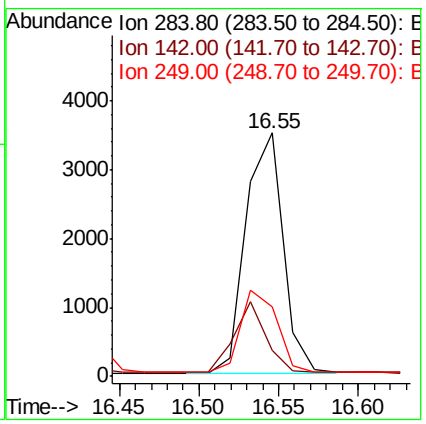


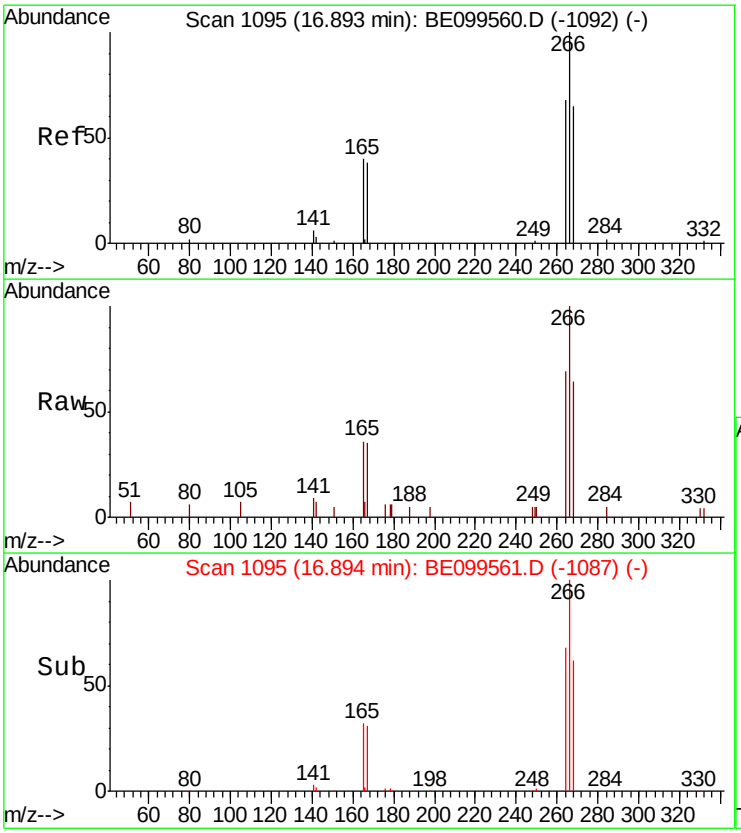
#21
Hexachlorobenzene
Concen: 0.861 ng
RT: 16.55 min Scan# 1069
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:284 Resp: 5759

Ion	Ratio	Lower	Upper
284	100		
142	25.3	19.5	29.3
249	33.2	26.2	39.2

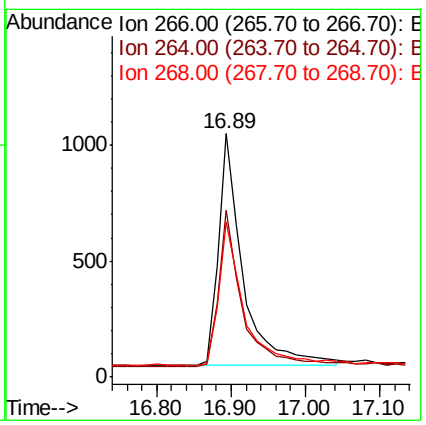


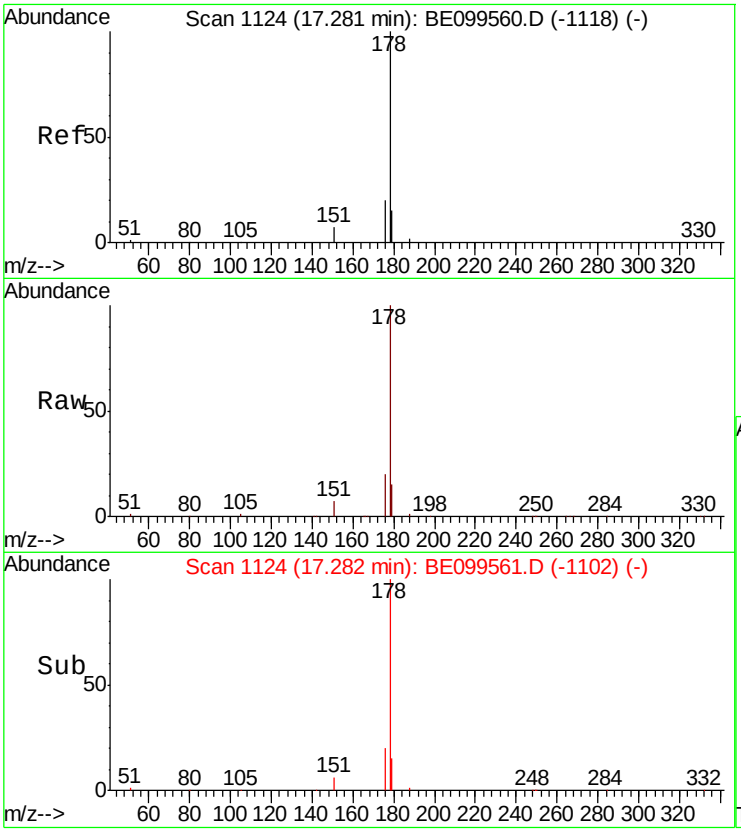


#22
Pentachlorophenol
Concen: 0.758 ng
RT: 16.89 min Scan# 1095
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion:266 Resp: 2288

Ion	Ratio	Lower	Upper
266	100		
264	68.5	56.6	84.8
268	63.8	55.8	83.8



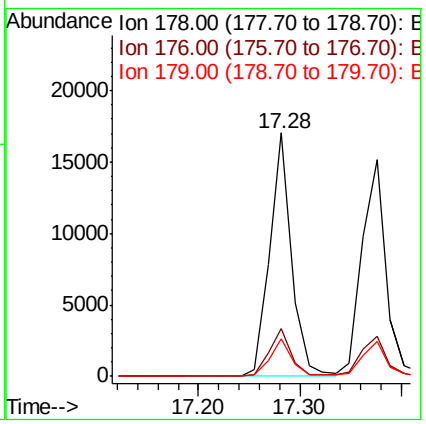


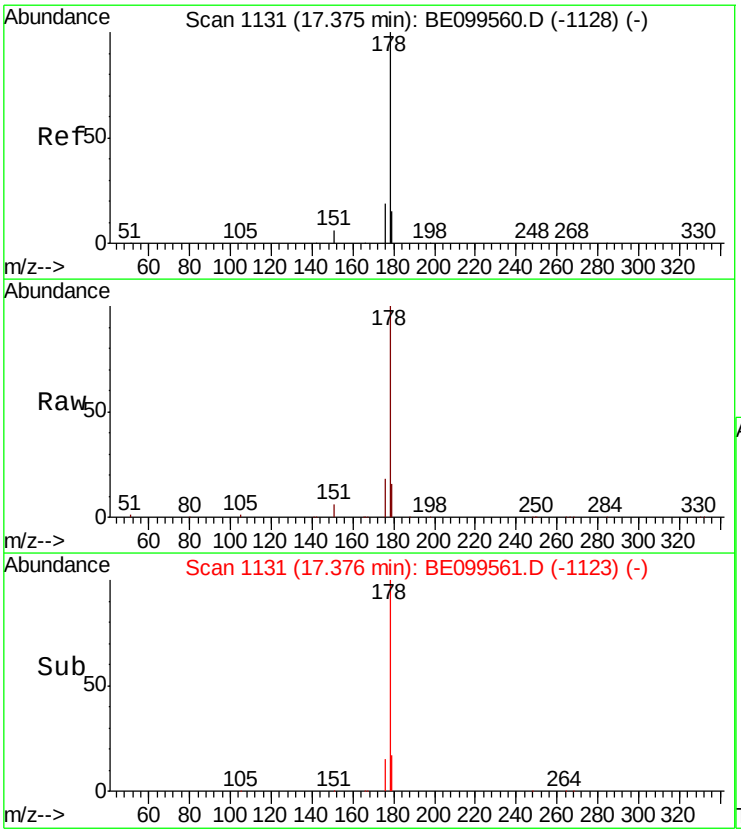
#23
Phenanthrene
Concen: 0.808 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:178 Resp: 25142

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.6
179	15.0	12.5	18.7

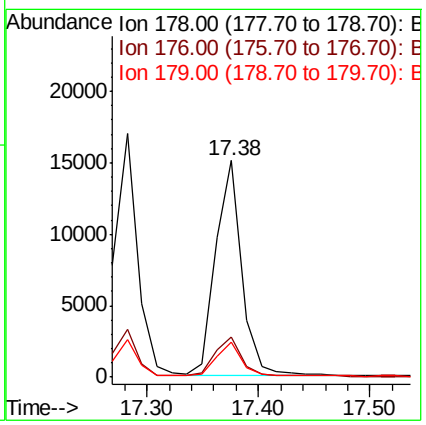


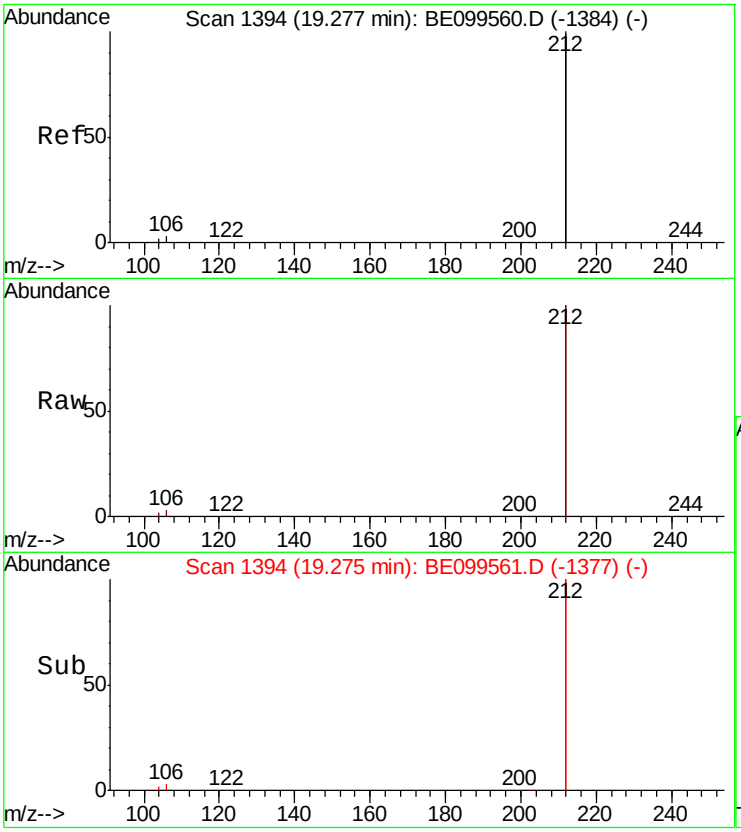


#24
Anthracene
Concen: 0.817 ng
RT: 17.38 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion:178 Resp: 24228

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	15.2	12.2	18.4



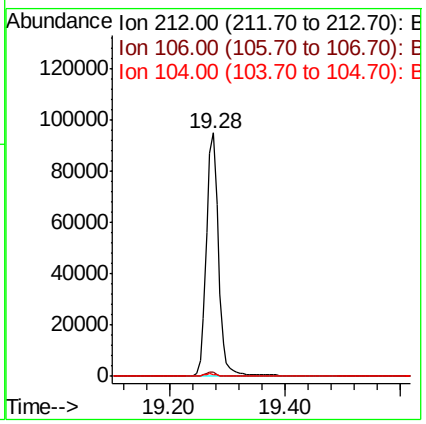


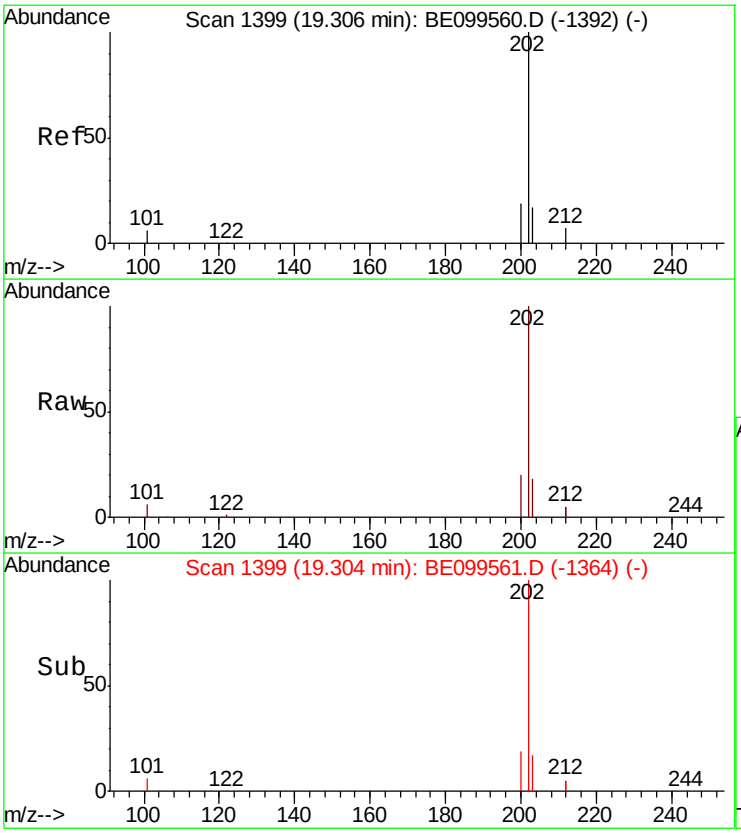
#25
Fluoranthene-d10
Concen: 0.843 ng
RT: 19.28 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:212 Resp: 136970

Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.4	2.0
104	1.0	0.8	1.2

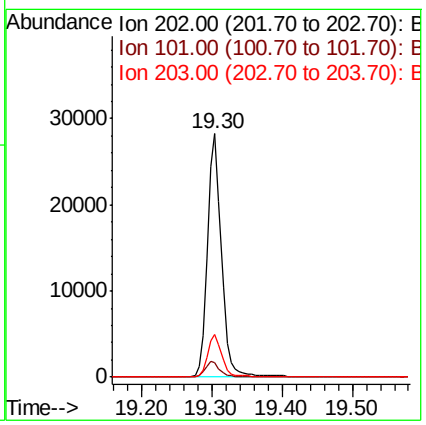


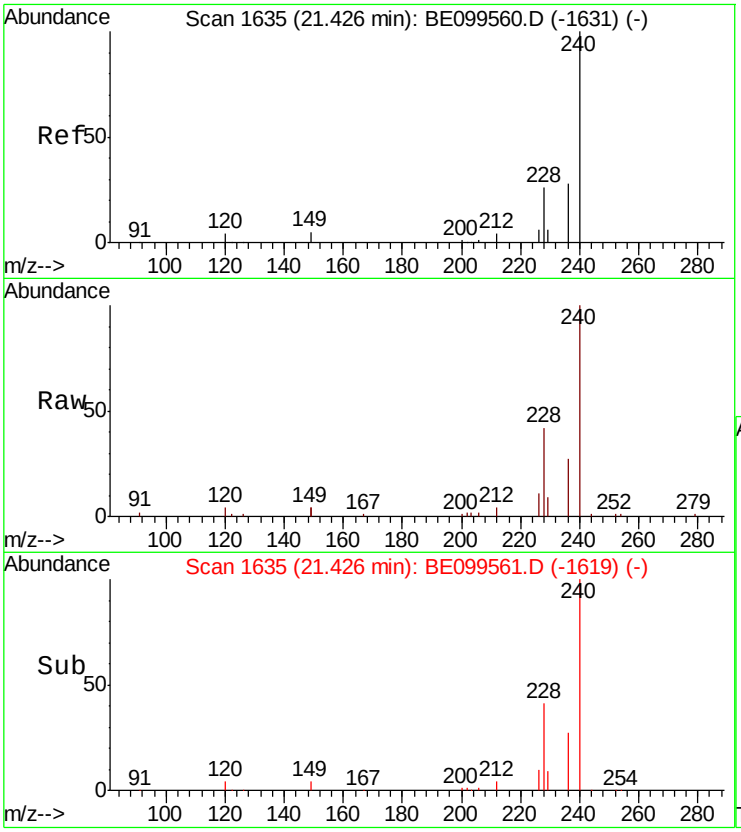


#26
Fluoranthene
Concen: 0.827 ng
RT: 19.30 min Scan# 1399
Delta R.T. -0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion:202 Resp: 38552

Ion	Ratio	Lower	Upper
202	100		
101	6.6	5.3	7.9
203	17.3	13.4	20.2



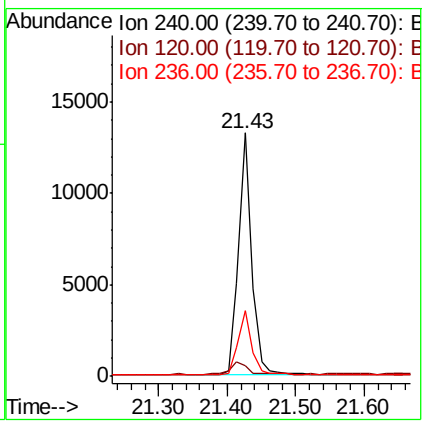


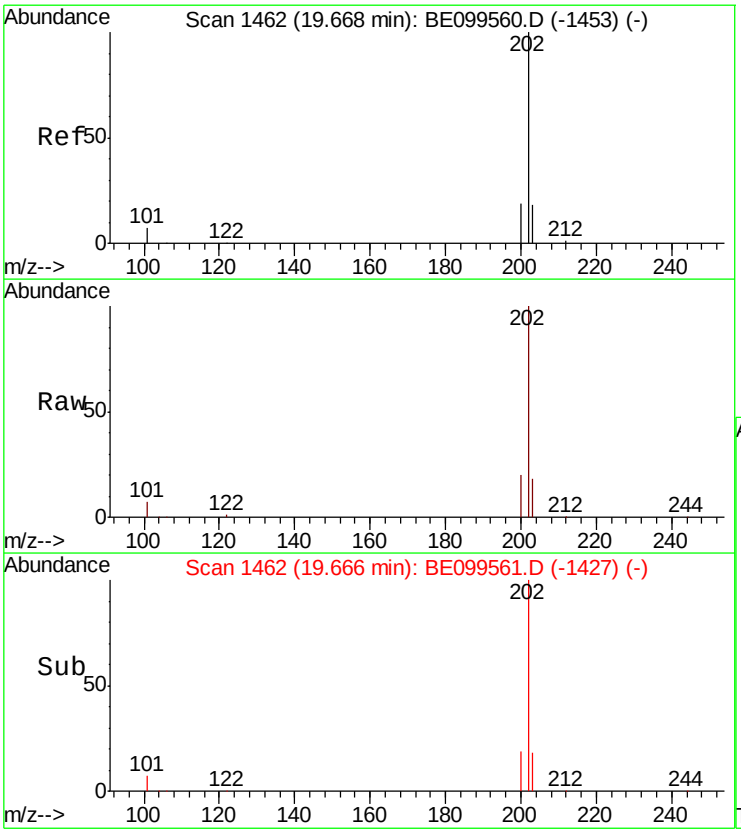
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1635
Delta R.T. -0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:240 Resp: 17946

Ion	Ratio	Lower	Upper
240	100		
120	4.4	3.8	5.6
236	27.1	22.5	33.7

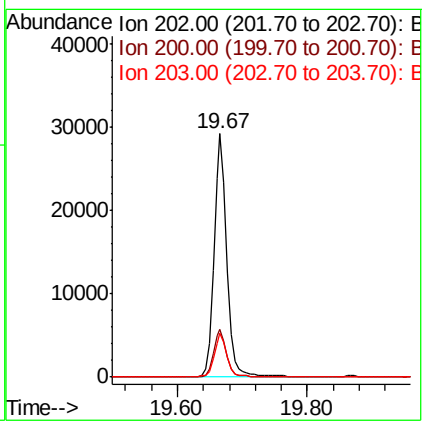


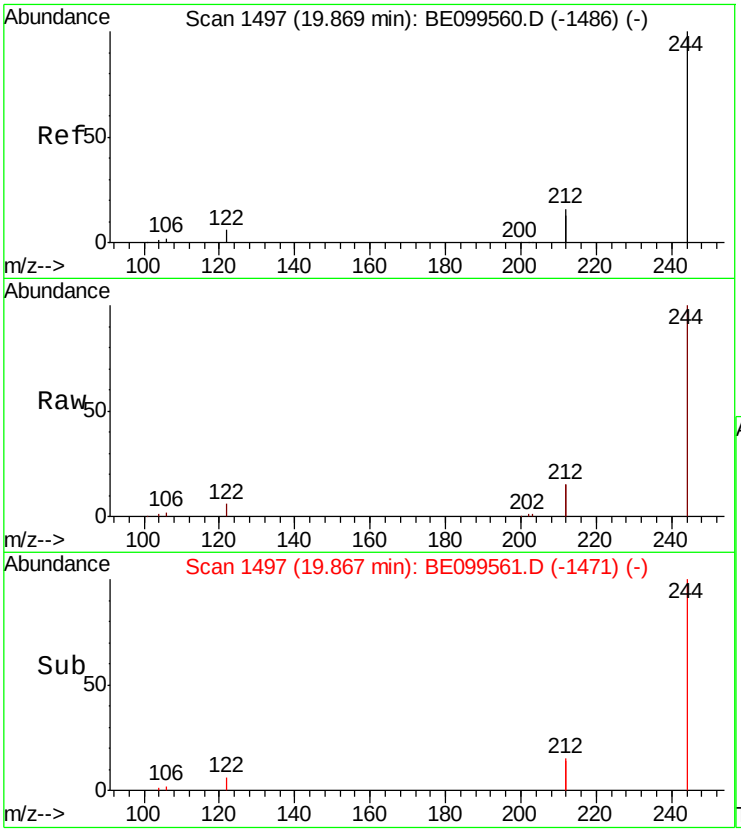


#28
Pyrene
Concen: 0.864 ng
RT: 19.67 min Scan# 1462
Delta R.T. -0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion:202 Resp: 40436

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.8	23.6
203	17.5	14.1	21.1



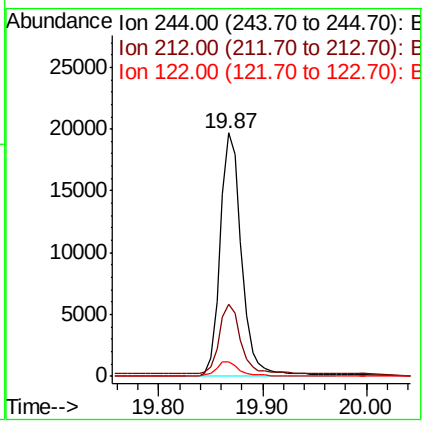


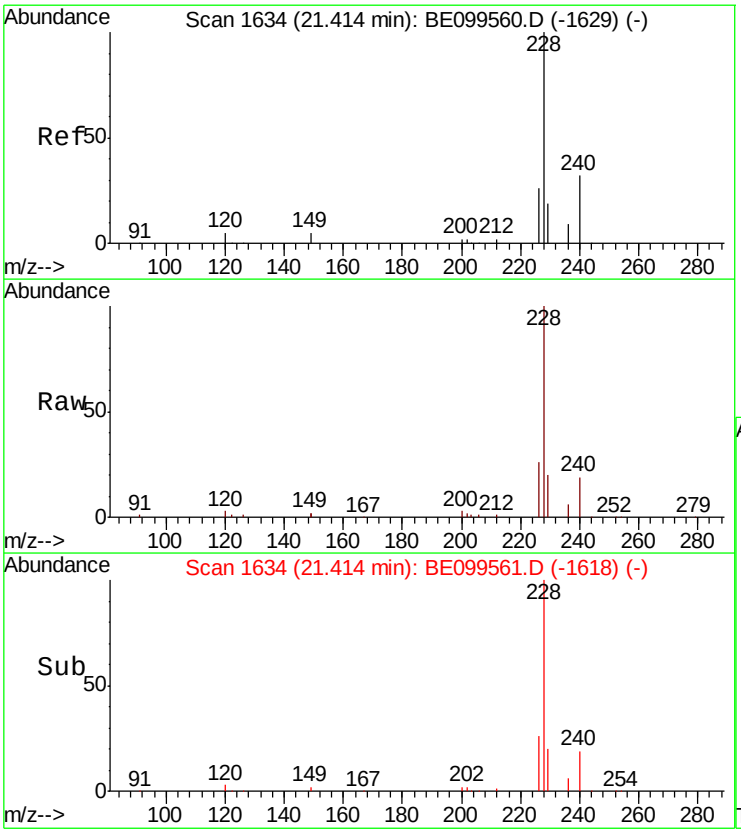
#29
Terphenyl-d14
Concen: 0.851 ng
RT: 19.87 min Scan# 1497
Delta R.T. -0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:244 Resp: 27960

Ion	Ratio	Lower	Upper
244	100		
212	29.8	24.6	37.0
122	6.1	5.0	7.6

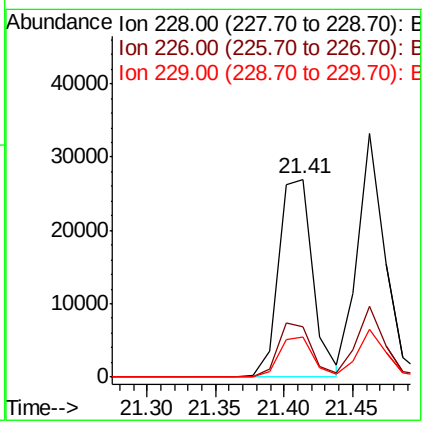


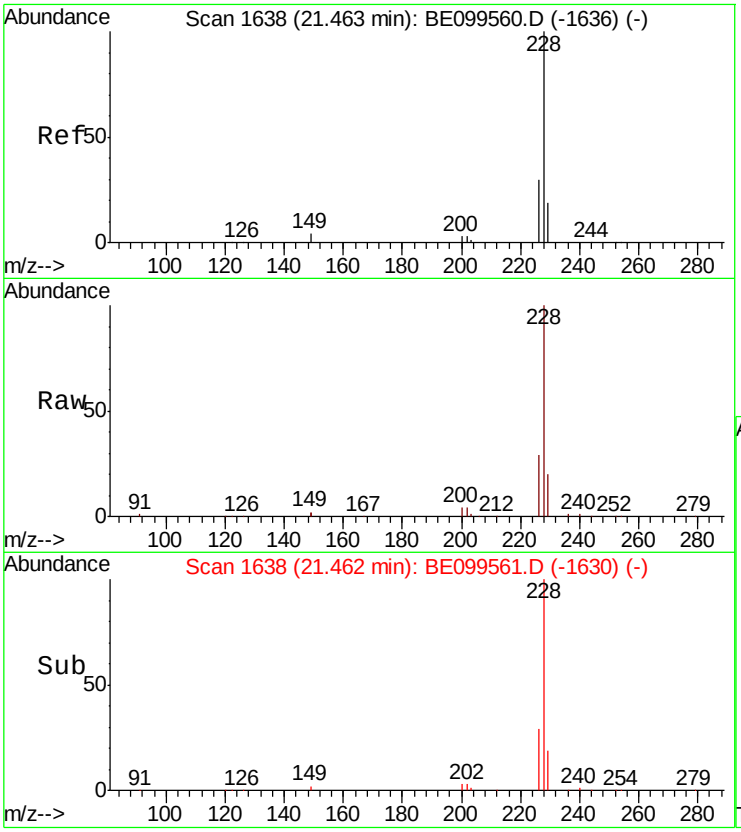


#30
Benzo(a)anthracene
Concen: 0.809 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion:228 Resp: 46229

Ion	Ratio	Lower	Upper
228	100		
226	25.8	20.9	31.3
229	20.3	16.1	24.1



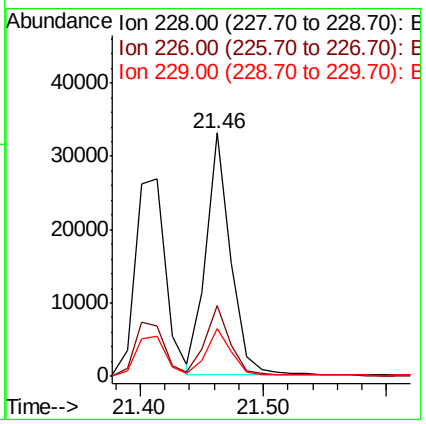


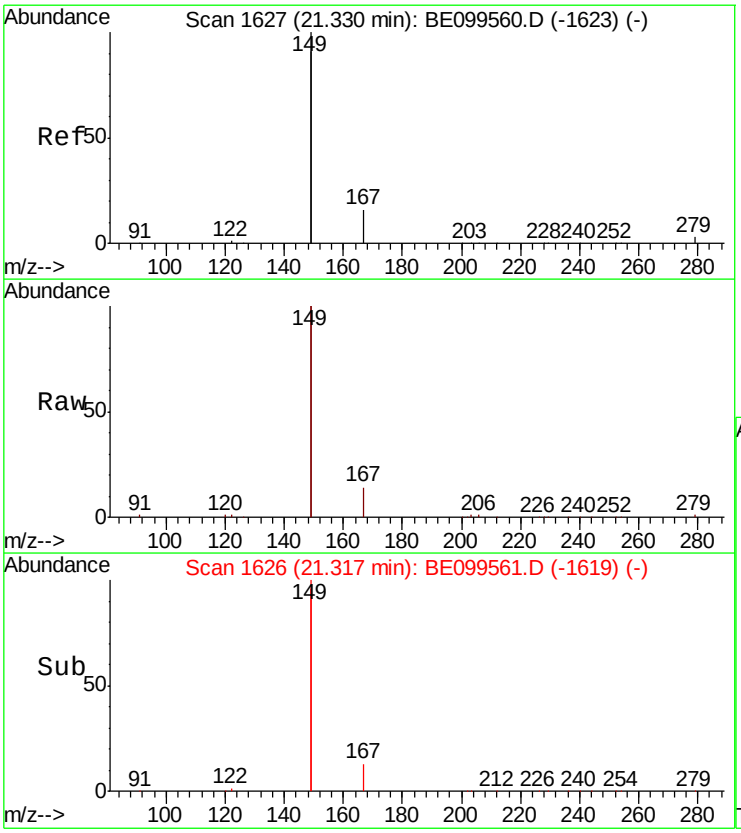
#31
Chrysene
Concen: 0.812 ng
RT: 21.46 min Scan# 1638
Delta R.T. -0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:228 Resp: 45419

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.2	36.4
229	19.8	15.8	23.6

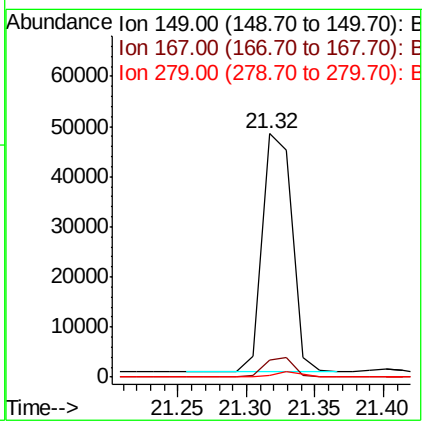


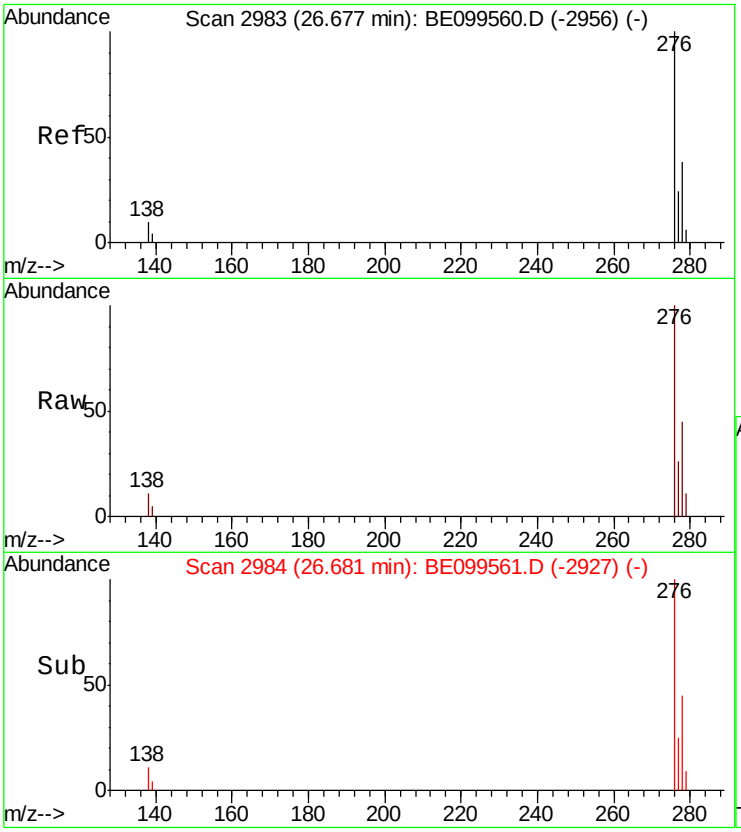


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.722 ng
RT: 21.32 min Scan# 1626
Delta R.T. -0.01 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion:149 Resp: 71753

Ion	Ratio	Lower	Upper
149	100		
167	7.5	6.1	9.1
279	1.5	1.3	1.9



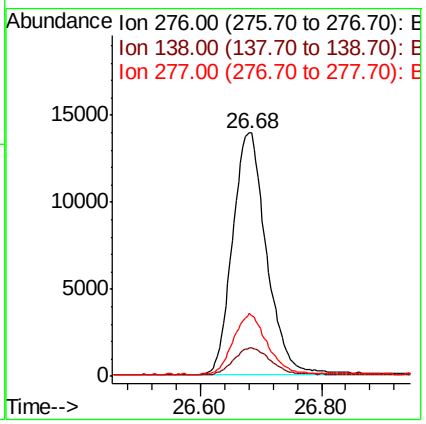


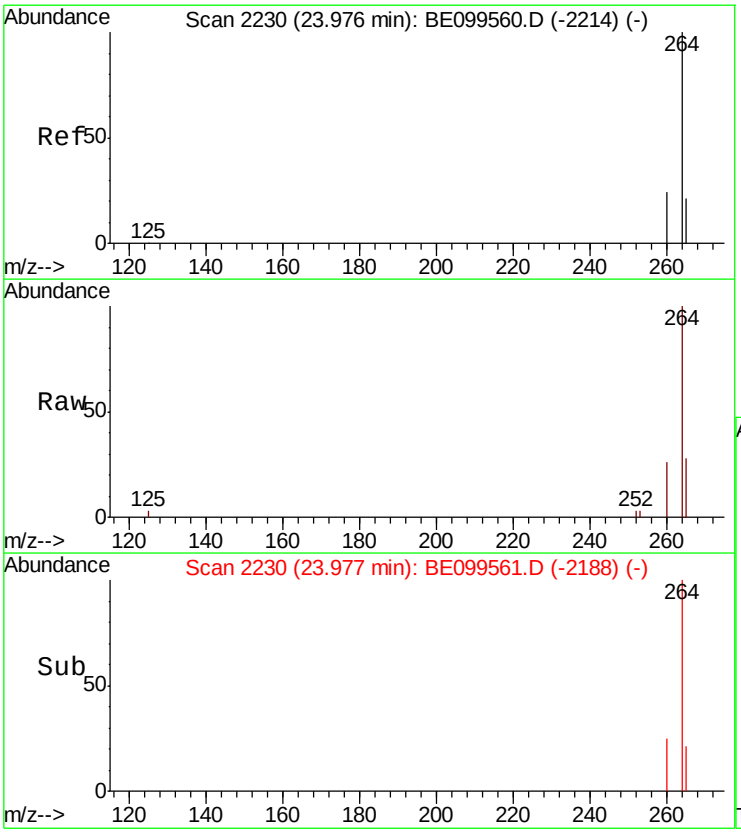
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.814 ng
RT: 26.68 min Scan# 2984
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 53818

Ion	Ratio	Lower	Upper
276	100		
138	11.8	9.5	14.3
277	24.8	19.7	29.5

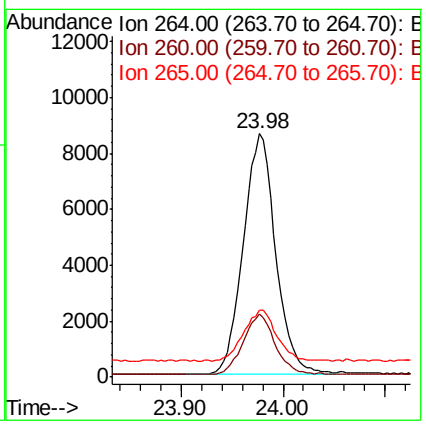


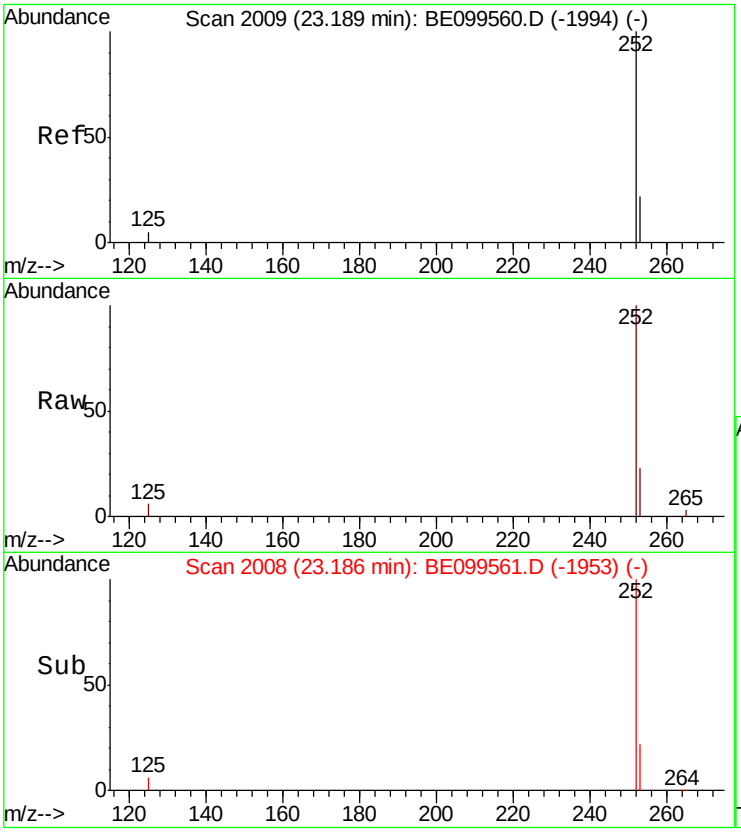


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.98 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion:264 Resp: 19068

Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.9	29.9
265	27.6	22.2	33.2



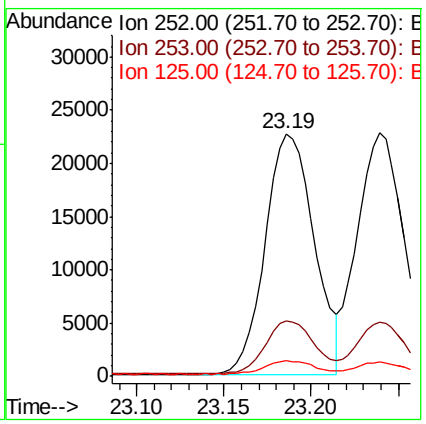


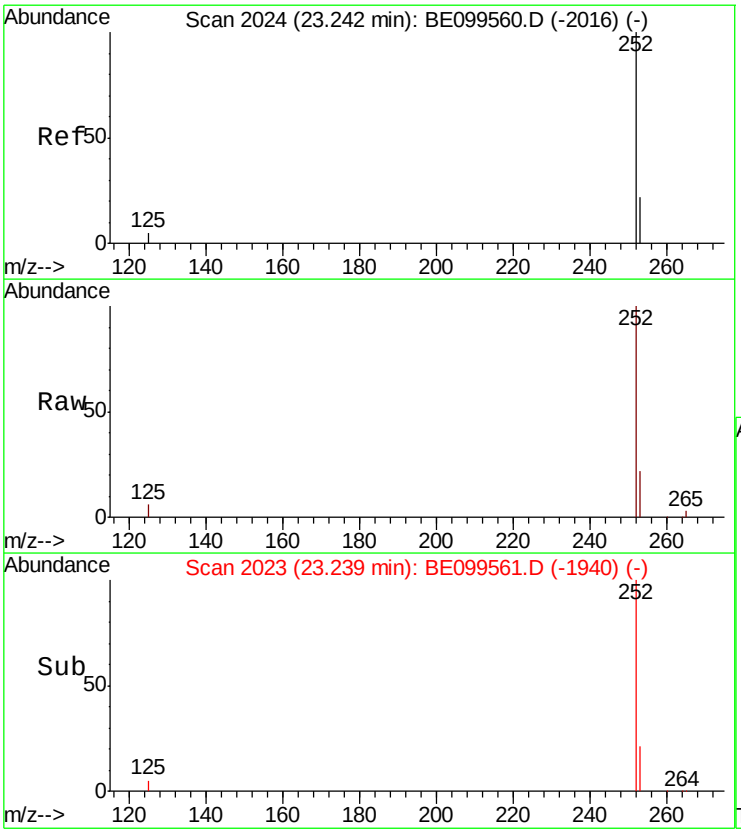
#35
Benzo(b)fluoranthene
Concen: 0.807 ng
RT: 23.19 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 44392

Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.0	28.4
125	6.4	5.8	8.6

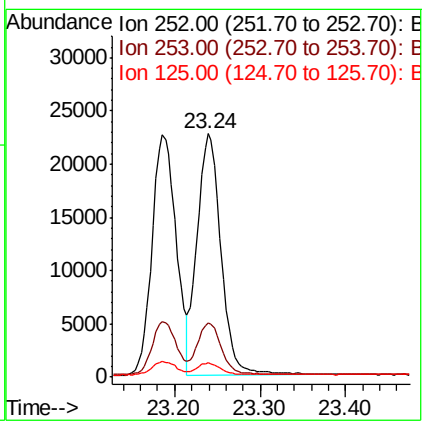


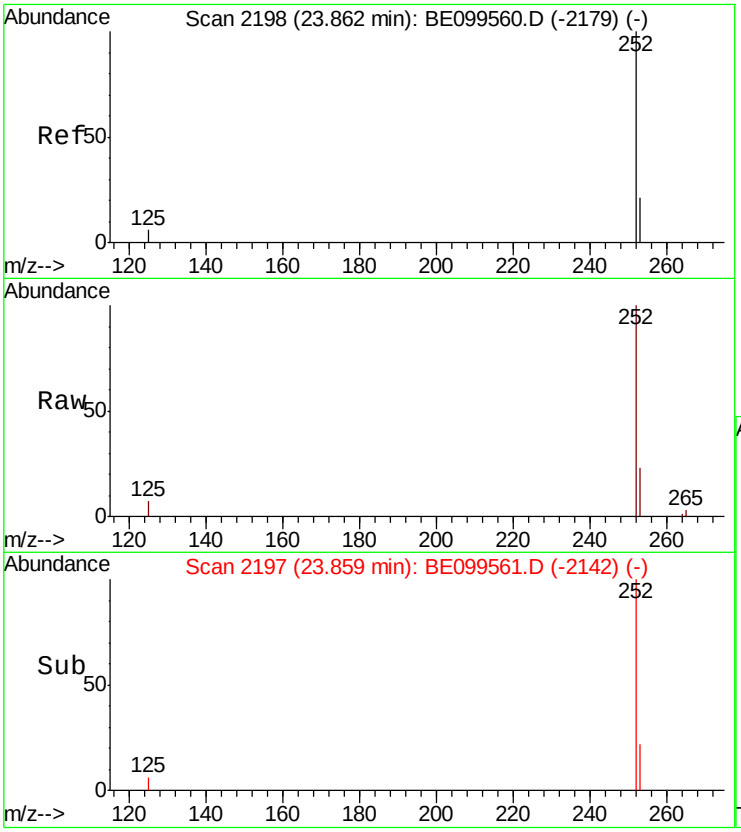


#36
Benzo(k)fluoranthene
Concen: 0.832 ng
RT: 23.24 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion:252 Resp: 44091

Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.1	28.7
125	6.0	5.8	8.6



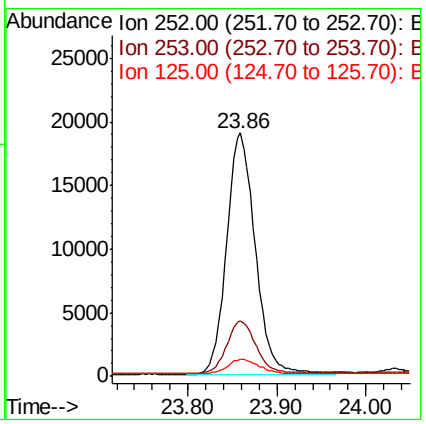


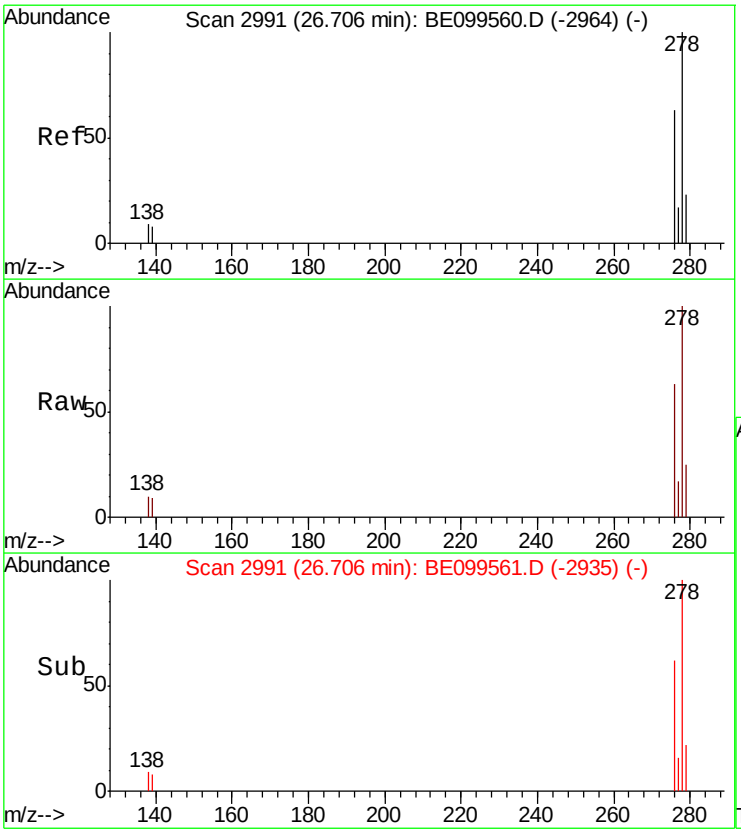
#37
Benzo(a)pyrene
Concen: 0.823 ng
RT: 23.86 min Scan# 2197
Delta R.T. -0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:252 Resp: 42755

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.9	28.3
125	7.1	6.6	9.8

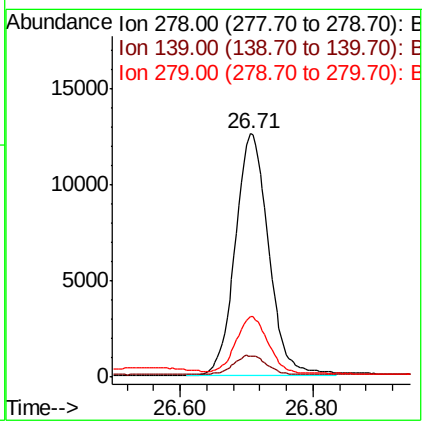


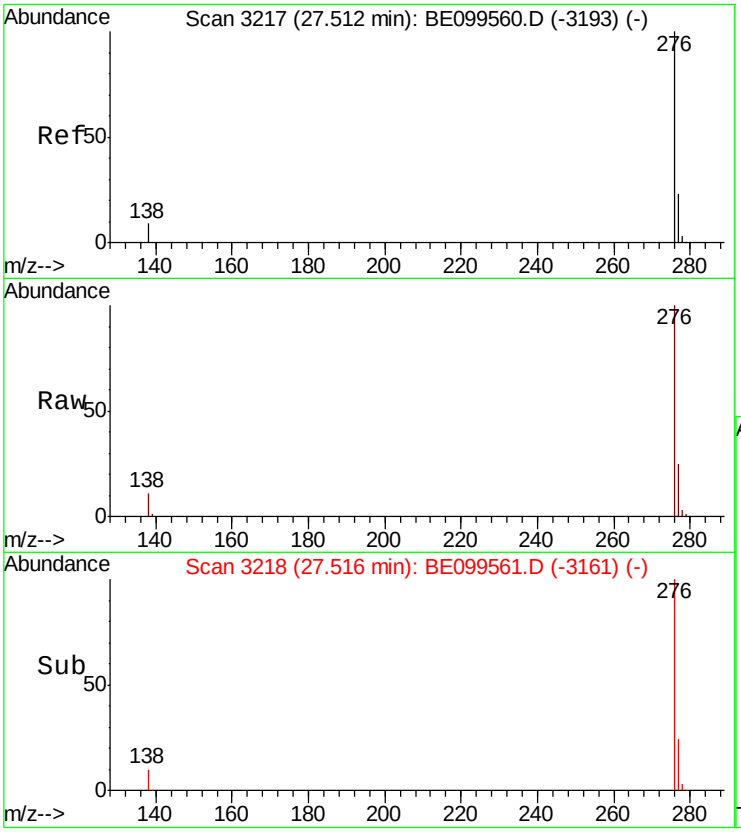


#38
Dibenzo(a,h)anthracene
Concen: 0.823 ng
RT: 26.71 min Scan# 2991
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Tgt Ion:278 Resp: 43759

Ion	Ratio	Lower	Upper
278	100		
139	8.8	7.7	11.5
279	25.0	21.0	31.4





#39
Benzo(g,h,i)perylene
Concen: 0.831 ng
RT: 27.52 min Scan# 3218
Delta R.T. 0.00 min
Lab File: BE099561.D
Acq: 7 May 2019 11:25

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion:276 Resp: 44275

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.7	29.5
138	10.7	8.6	12.8