Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032519\
Data File : BE099190.D
Acq On : 25 Mar 2019 21:31
Operator : JU/SJ
Sample : K2014-18RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PST-026-SW045-031919

Quant Time: Mar 26 07:09:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 07:02:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3102	0.40	ng		0.00
7) Naphthalene-d8	10.63	136	12754	0.40	ng		0.00
13) Acenaphthene-d10	14.49	164	9172	0.40	ng		0.00
19) Phenanthrene-d10	17.21	188	29048	0.40	ng		0.00
27) Chrysene-d12	21.38	240	34226	0.40	ng		-0.01
34) Perylene-d12	23.89	264	34173	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	3784	0.41	ng		0.00
5) Phenol-d6	6.99	99	5487	0.39	ng		0.00
8) Nitrobenzene-d5	8.99	82	3820	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	12.22	152	9153	0.37	ng		0.00
14) 2,4,6-Tribromophenol	15.96	330	1471	0.51	ng		0.00
15) 2-Fluorobiphenyl	13.10	172	14138	0.38	ng		0.00
25) Fluoranthene-d10	19.24	212	139618	0.40	ng		0.00
29) Terphenyl-d14	19.83	244	25173	0.34	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	230	0.056	ng	#	30
3) n-Nitrosodimethylamine	3.66	42	71	0.031	ng	#	23
6) bis(2-Chloroethyl)ether	7.27	93	46	0.004	ng	#	1
9) Naphthalene	10.68	128	2164	0.014	ng	#	90
10) Hexachlorobutadiene	10.94	225	8	0.001	ng	#	19
12) 2-Methylnaphthalene	12.30	142	254	0.009	ng	#	63
16) Acenaphthylene	14.20	152	643	0.014	ng	#	94
17) Acenaphthene	14.54	154	178	0.006	ng	#	64
18) Fluorene	15.51	166	461	0.012	ng	#	87
20) 4-Bromophenyl-phenylether	16.42	248	17	0.001	ng	#	46
21) Hexachlorobenzene	16.52	284	30	0.002	ng	#	69
22) Pentachlorophenol	16.87	266	83	0.270	ng		92
23) Phenanthrene	17.25	178	12363	0.145	ng		98
24) Anthracene	17.35	178	844	0.011	ng	#	92
26) Fluoranthene	19.26	202	21370	0.196	ng		99
28) Pyrene	19.63	202	23259	0.205	ng		97
30) Benzo(a)anthracene	21.37	228	10879	0.096	ng		95
31) Chrysene	21.41	228	12246	0.101	ng		96
32) Bis(2-ethylhexyl)phthalate	21.29	149	19023	0.141	ng		99
33) Indeno(1,2,3-cd)pyrene	26.55	276	6031	0.053	ng	#	95
35) Benzo(b)fluoranthene	23.12	252	14082	0.125	ng	#	86
36) Benzo(k)fluoranthene	23.12	252	14082	0.118	ng	#	86
37) Benzo(a)pyrene	23.78	252	9251	0.088	ng	#	89
38) Dibenzo(a,h)anthracene	26.55	278	571	0.006	ng	#	43
39) Benzo(g,h,i)perylene	27.37	276	6471	0.069	ng	#	92

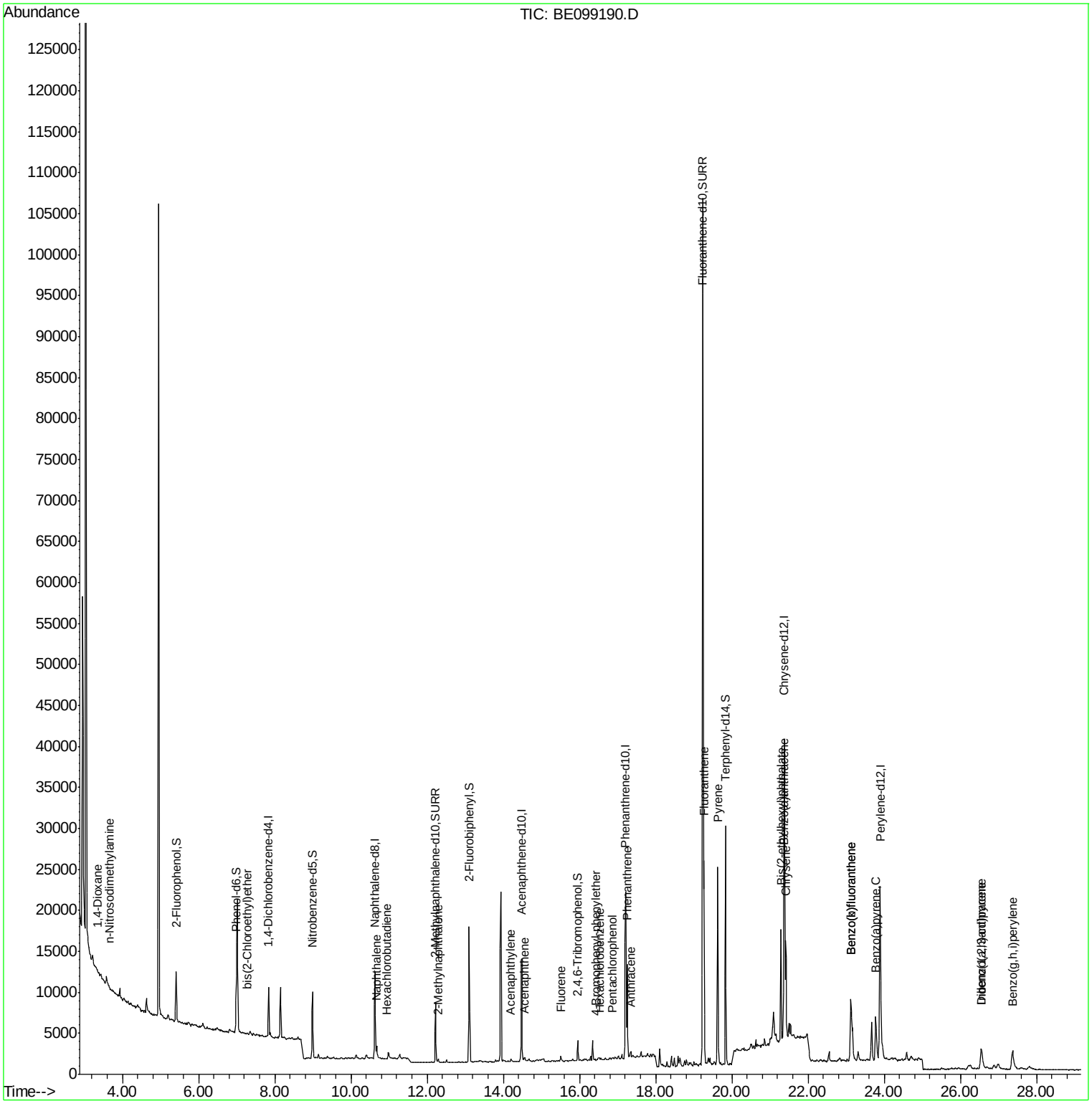
(#) = qualifier out of range (m) = manual integration (+) = signals summed

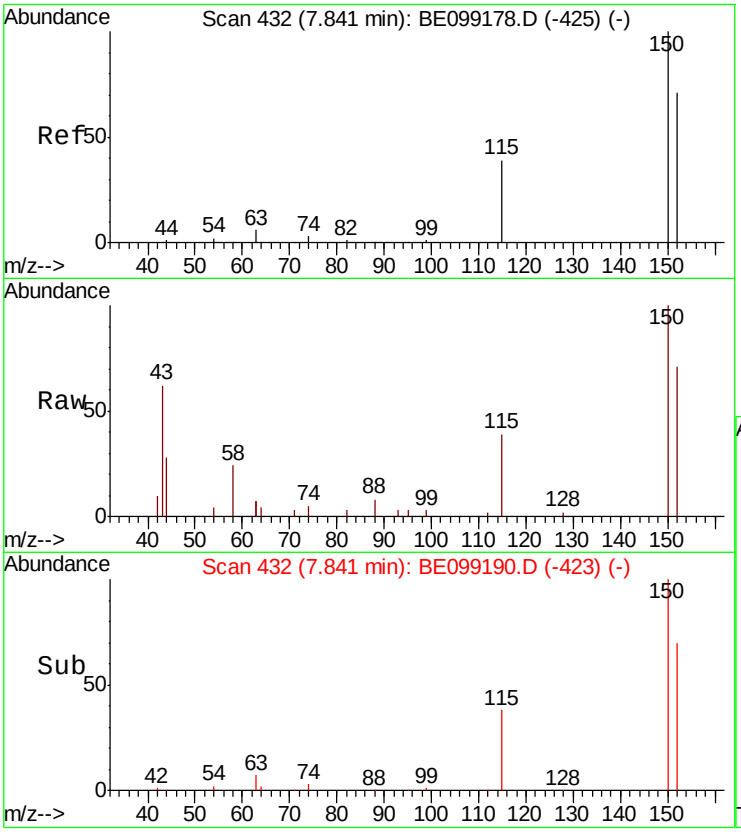
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032519\
Data File : BE099190.D
Acq On : 25 Mar 2019 21:31
Operator : JU/SJ
Sample : K2014-18RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Quant Time: Mar 26 07:09:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 26 07:02:06 2019
Response via : Initial Calibration



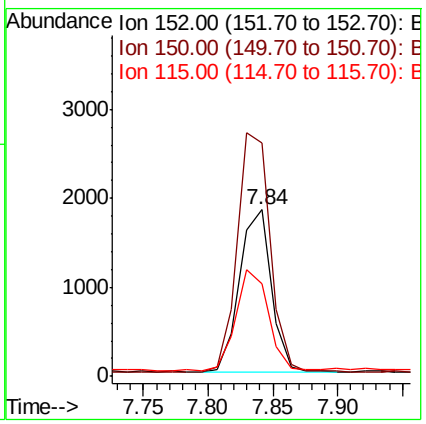


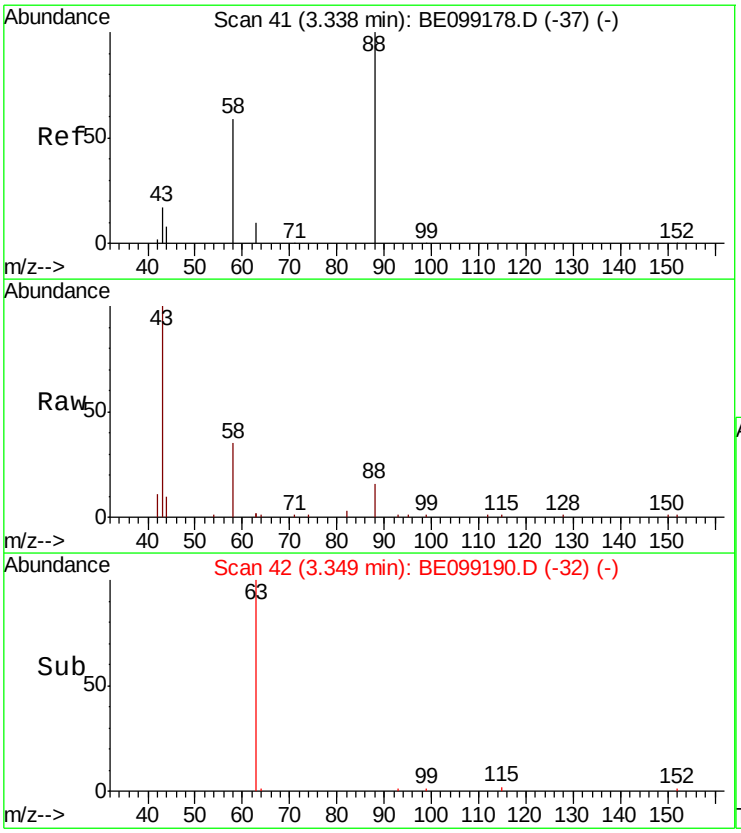
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:152 Resp: 3102

Ion	Ratio	Lower	Upper
152	100		
150	140.5	112.8	169.2
115	55.5	45.1	67.7

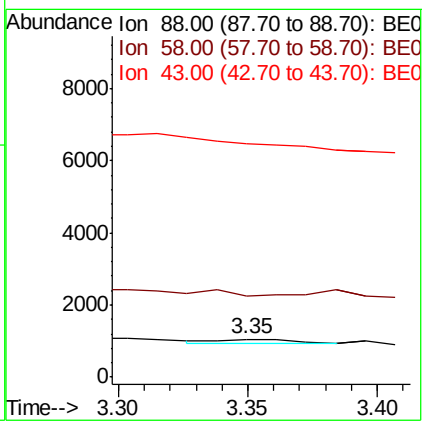


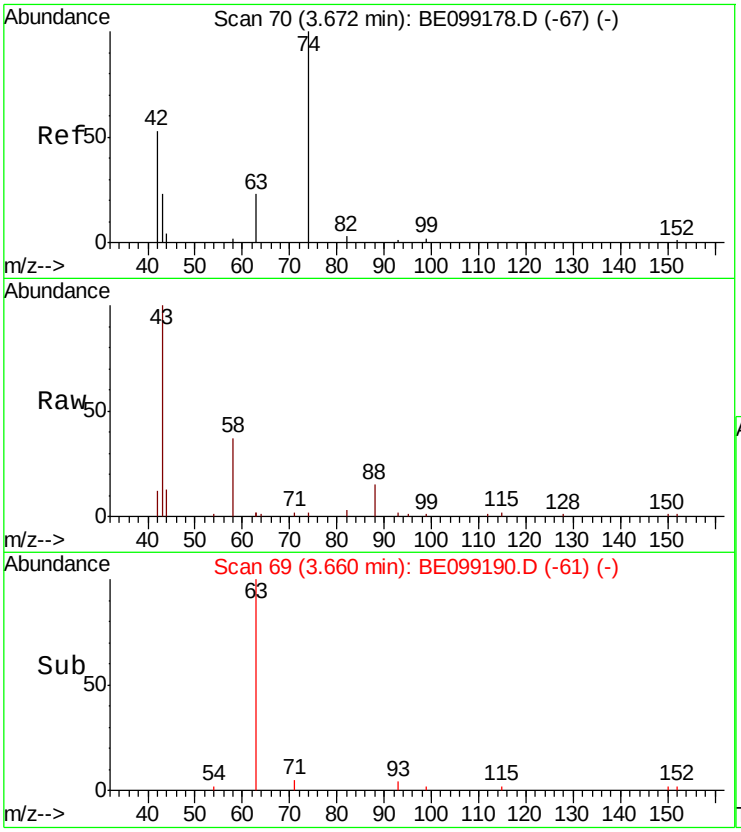


#2
1,4-Dioxane
Concen: 0.056 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.01 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion: 88 Resp: 230

Ion	Ratio	Lower	Upper
88	100		
58	0.0	47.4	71.0#
43	0.0	15.6	23.4#



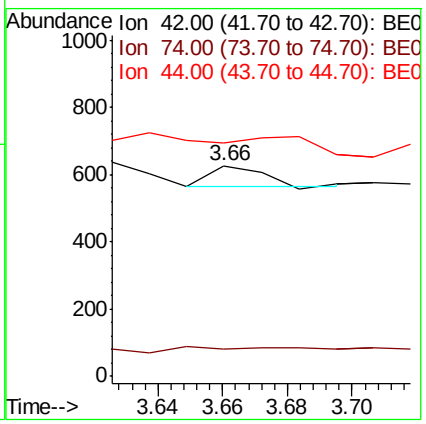


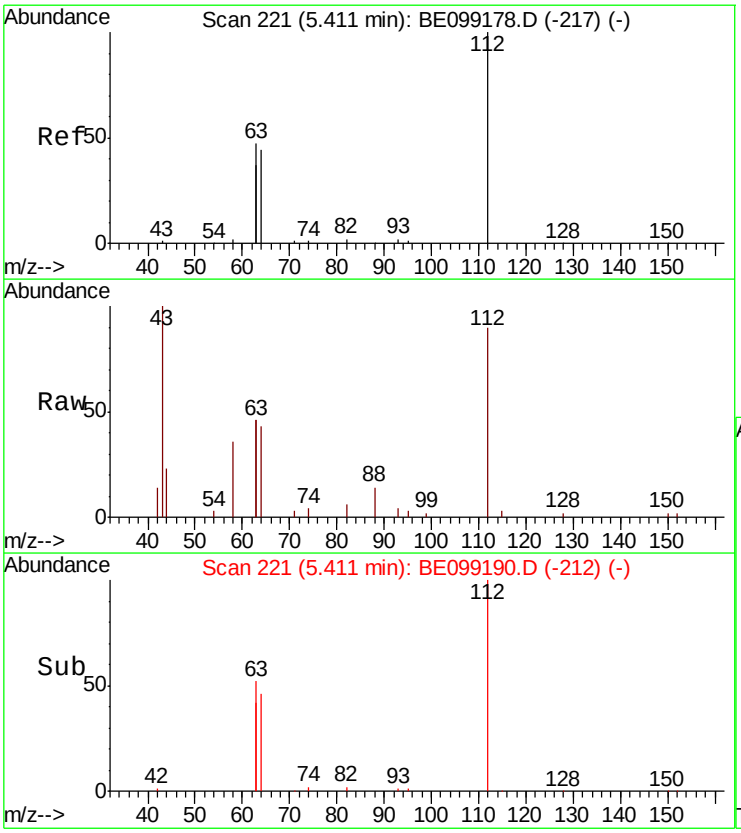
#3
n-Nitrosodimethylamine
Concen: 0.031 ng
RT: 3.66 min Scan# 69
Delta R.T. -0.01 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion: 42 Resp: 71

Ion	Ratio	Lower	Upper
42	100		
74	62.0	138.6	207.8#
44	0.0	15.0	22.6#

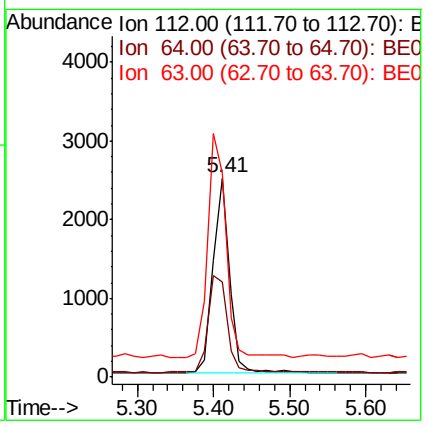


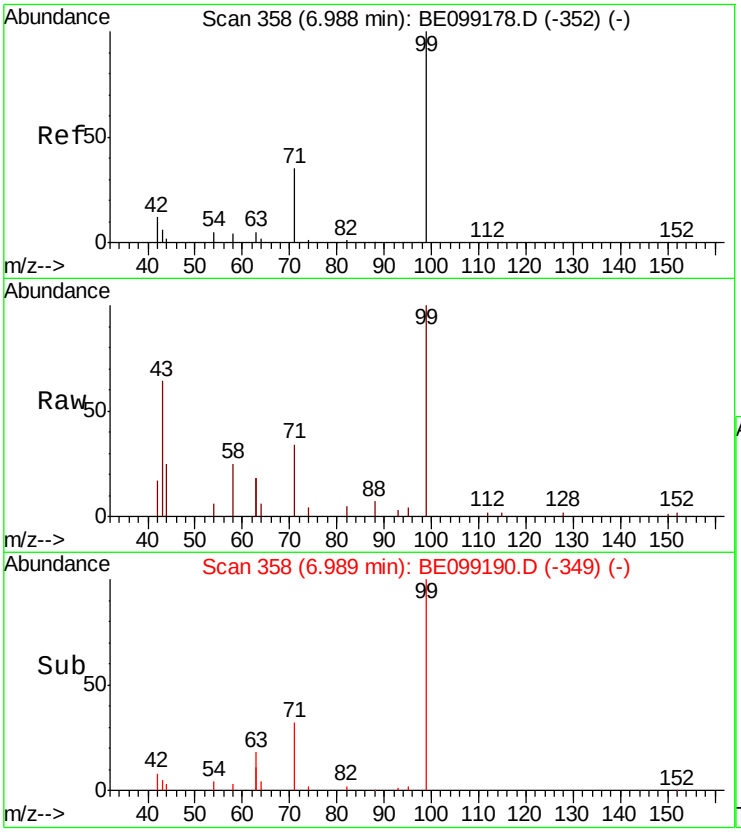


#4
2-Fluorophenol
Concen: 0.409 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion:112 Resp: 3784

Ion	Ratio	Lower	Upper
112	100		
64	56.2	46.2	69.2
63	122.8	89.9	134.9



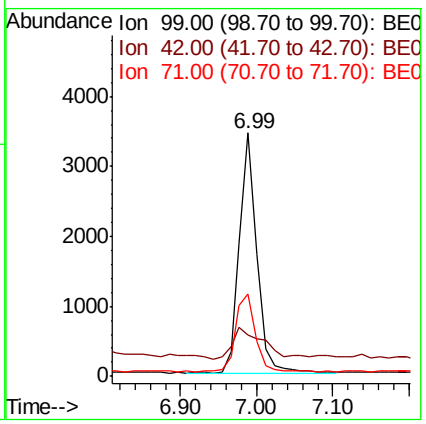


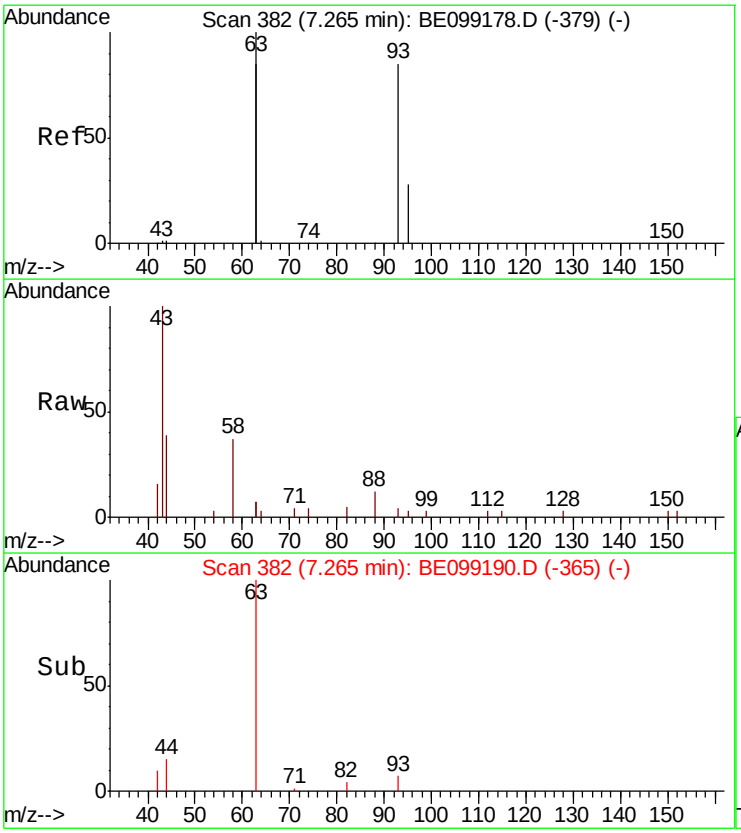
#5
Phenol-d6
Concen: 0.388 ng
RT: 6.99 min Scan# 358
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion: 99 Resp: 5487

Ion	Ratio	Lower	Upper
99	100		
42	22.9	12.4	18.6#
71	37.4	28.4	42.6

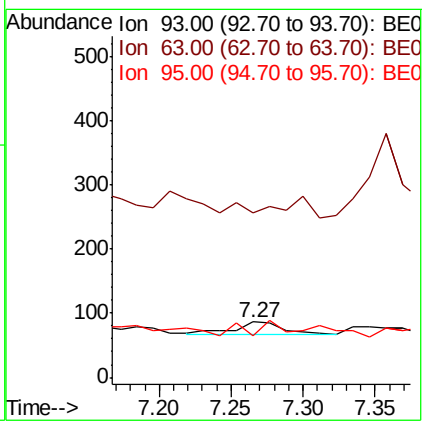


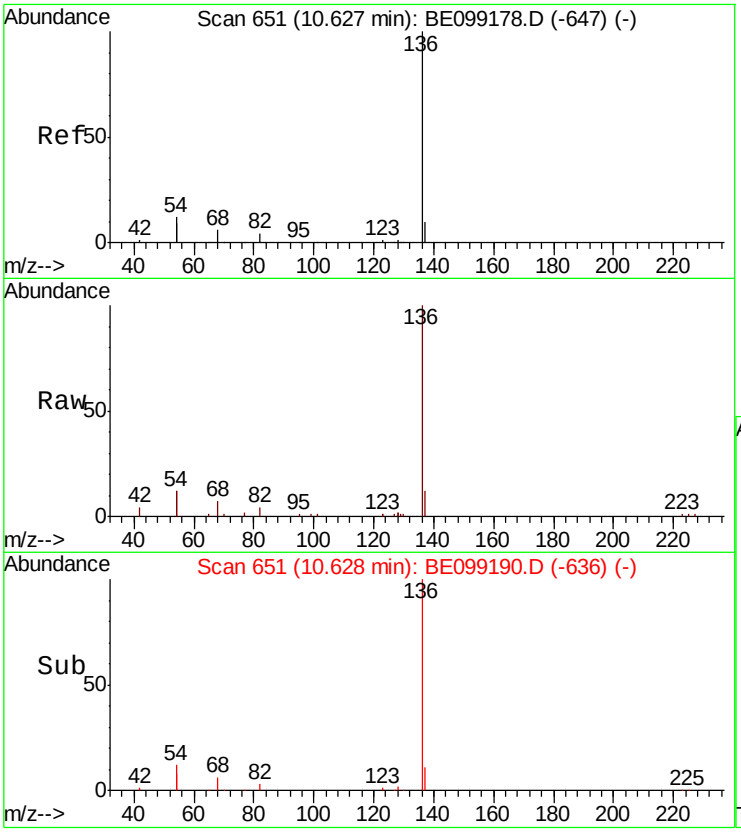


#6
bis(2-Chloroethyl)ether
Concen: 0.004 ng
RT: 7.27 min Scan# 382
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion: 93 Resp: 46

Ion	Ratio	Lower	Upper
93	100		
63	0.0	221.4	332.0#
95	58.7	25.8	38.8#



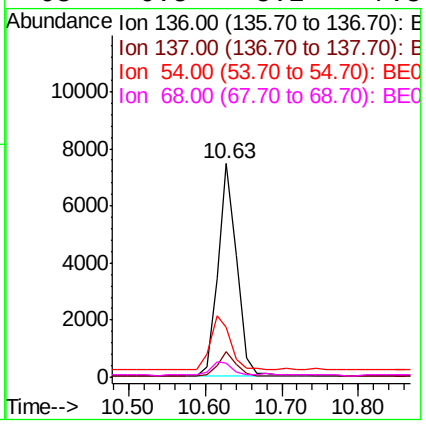


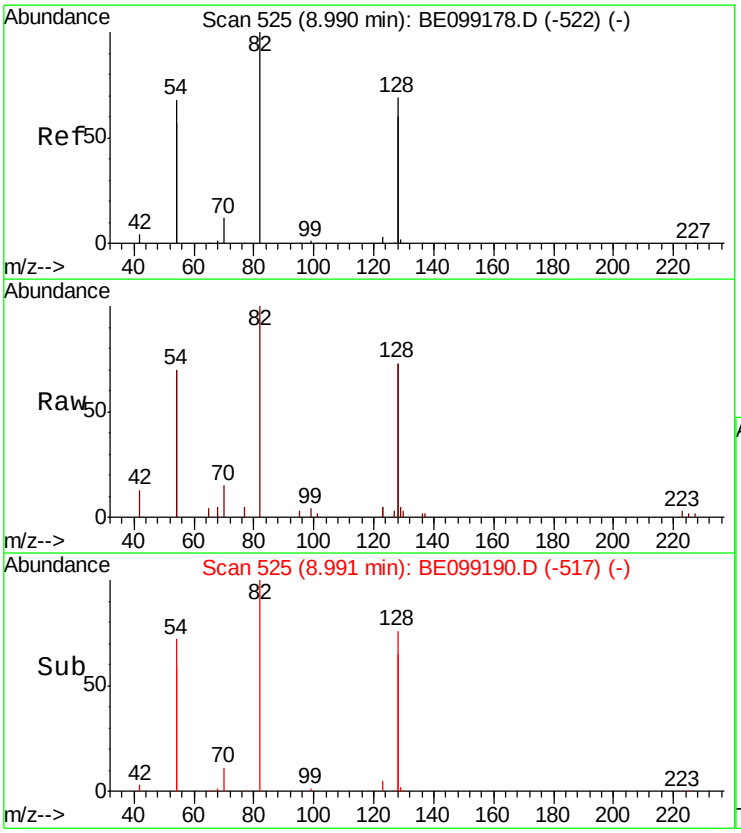
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:136 Resp: 12754

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.7	13.1
54	23.5	18.7	28.1
68	6.5	5.2	7.8

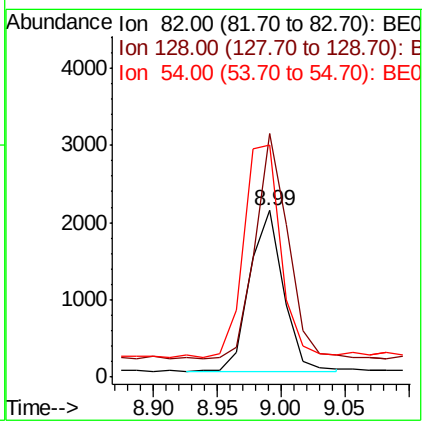


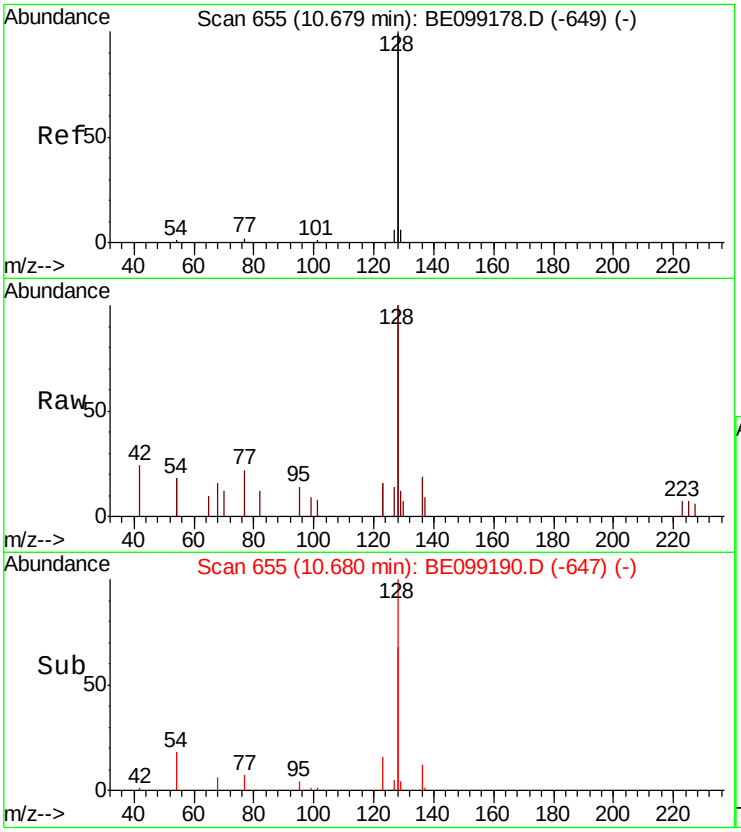


#8
Nitrobenzene-d5
Concen: 0.367 ng
RT: 8.99 min Scan# 525
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion: 82 Resp: 3820

Ion	Ratio	Lower	Upper
82	100		
128	146.3	107.5	161.3
54	139.2	106.3	159.5



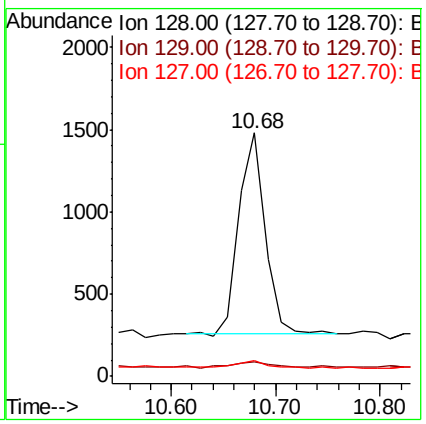


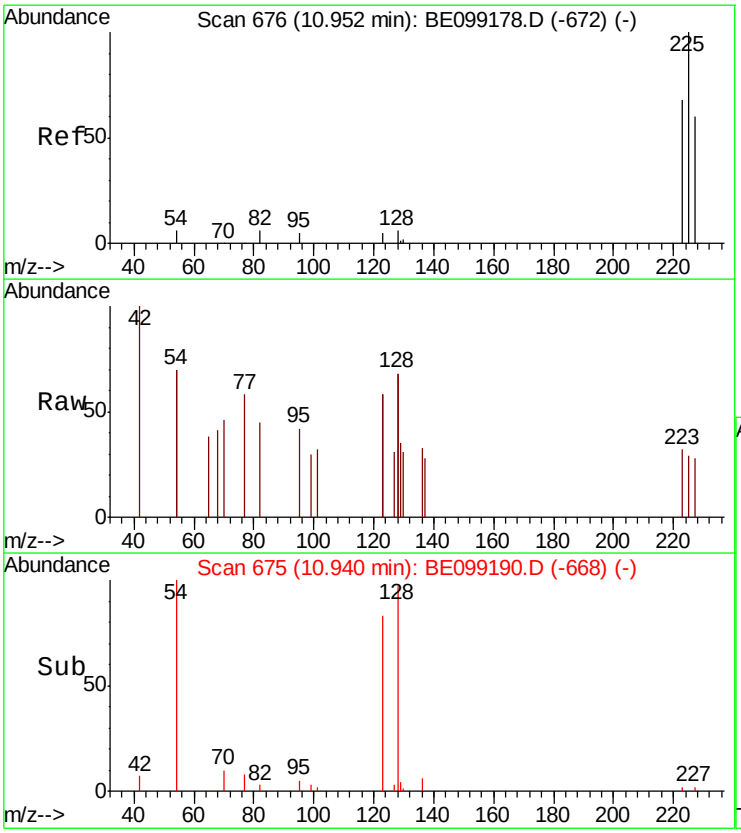
#9
Naphthalene
Concen: 0.014 ng
RT: 10.68 min Scan# 655
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:128 Resp: 2164

Ion	Ratio	Lower	Upper
128	100		
129	5.9	2.3	3.5#
127	6.8	2.6	3.8#

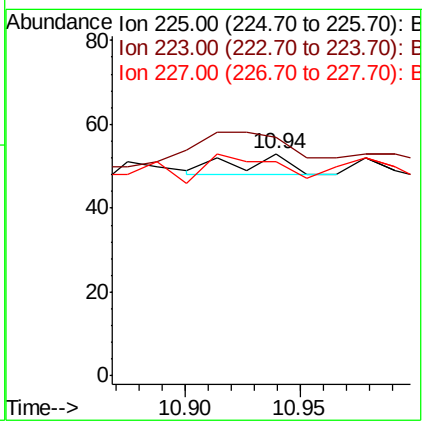


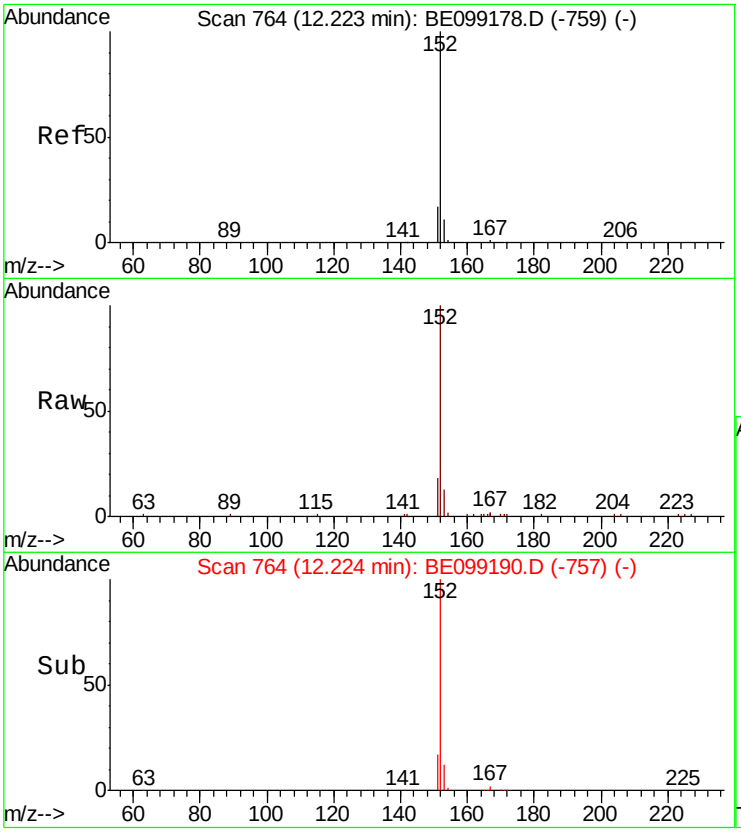


#10
Hexachlorobutadiene
Concen: 0.001 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.01 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion:225 Resp: 8

Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.3	76.9#
227	0.0	48.6	73.0#



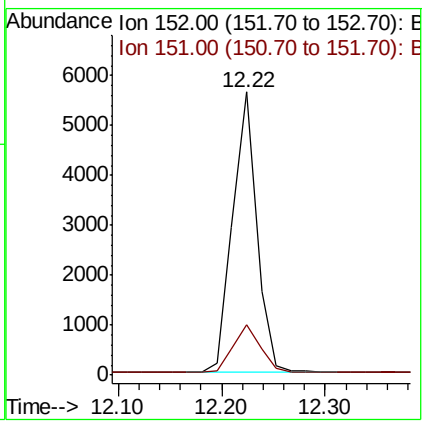


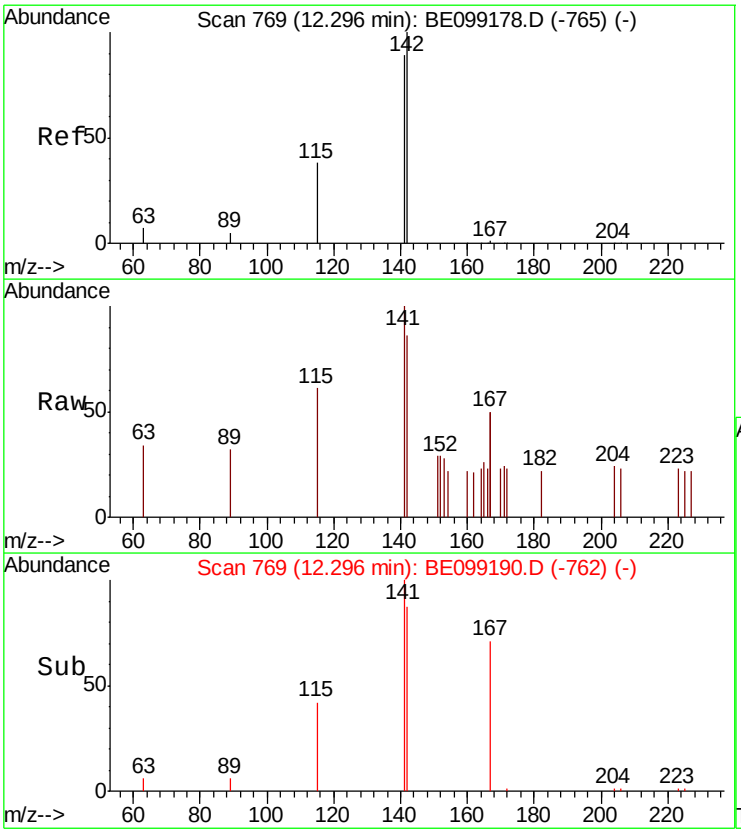
#11
2-Methylnaphthalene-d10
Concen: 0.372 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:152 Resp: 9153

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.0	22.6

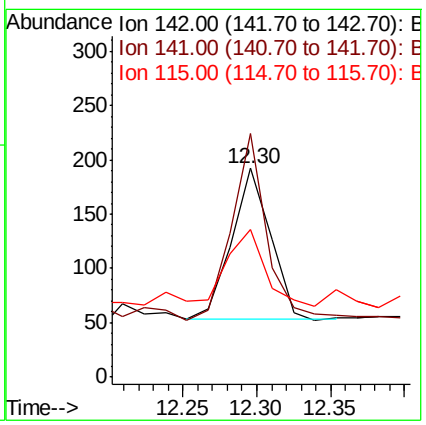


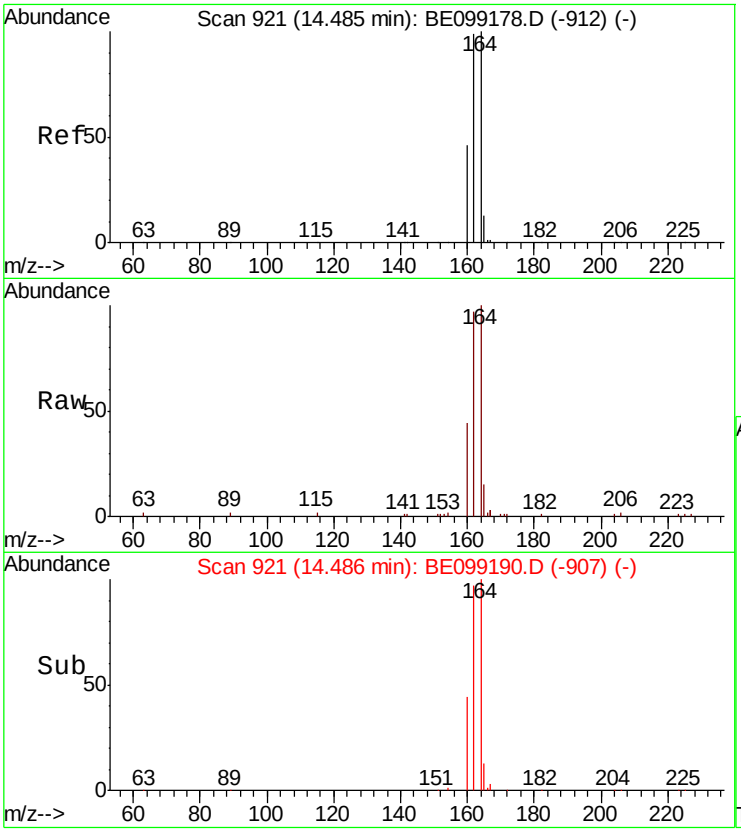


#12
2-Methylnaphthalene
Concen: 0.009 ng
RT: 12.30 min Scan# 769
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion:142 Resp: 254

Ion	Ratio	Lower	Upper
142	100		
141	116.7	71.3	106.9#
115	70.8	30.4	45.6#



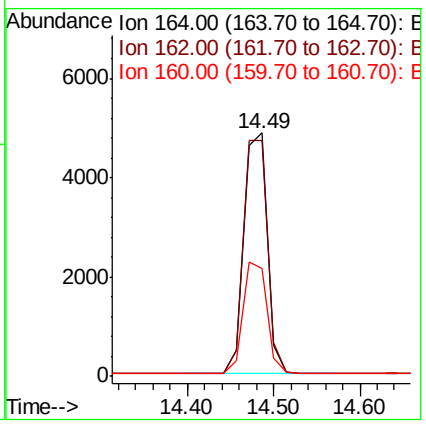


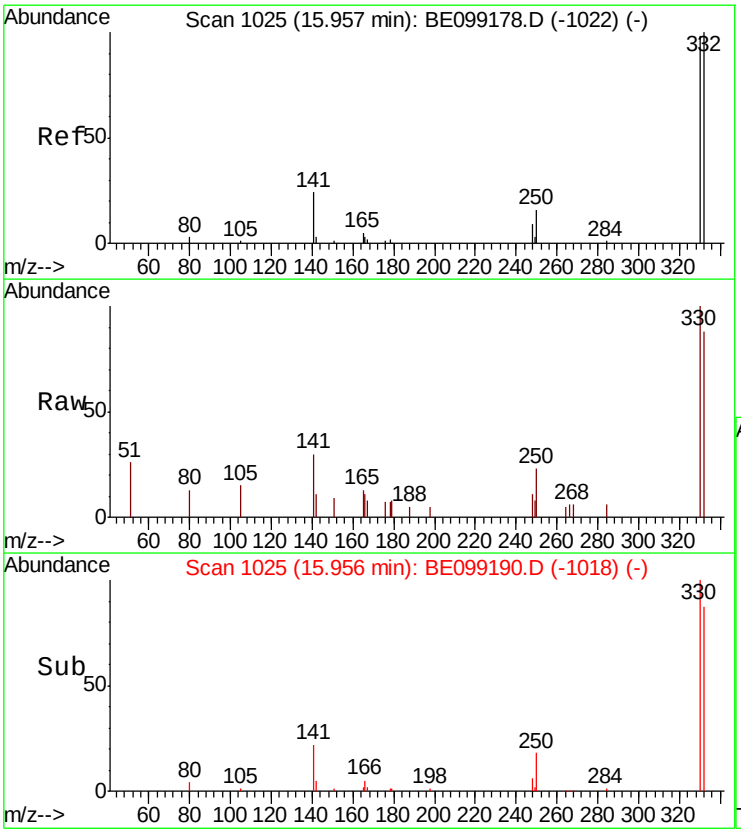
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:164 Resp: 9172

Ion	Ratio	Lower	Upper
164	100		
162	96.8	79.2	118.8
160	44.1	36.7	55.1

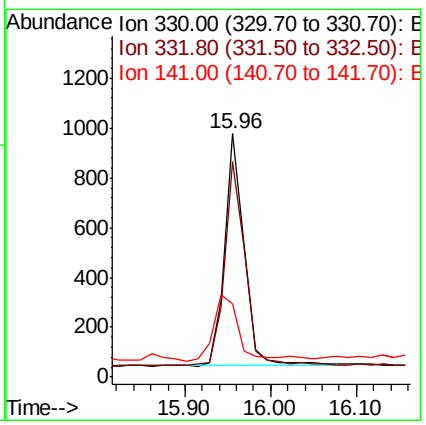


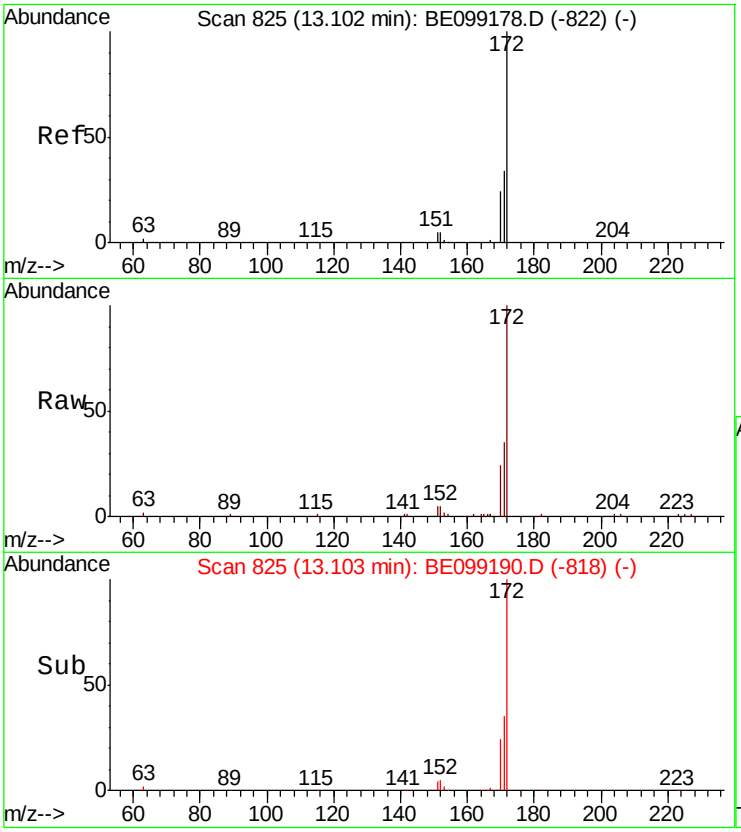


#14
2,4,6-Tribromophenol
Concen: 0.510 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion:330 Resp: 1471

Ion	Ratio	Lower	Upper
330	100		
332	91.0	71.3	106.9
141	37.0	21.7	32.5#



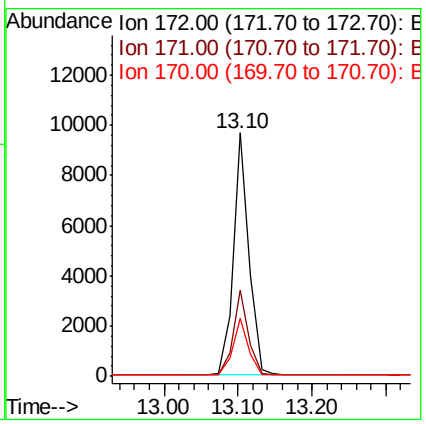


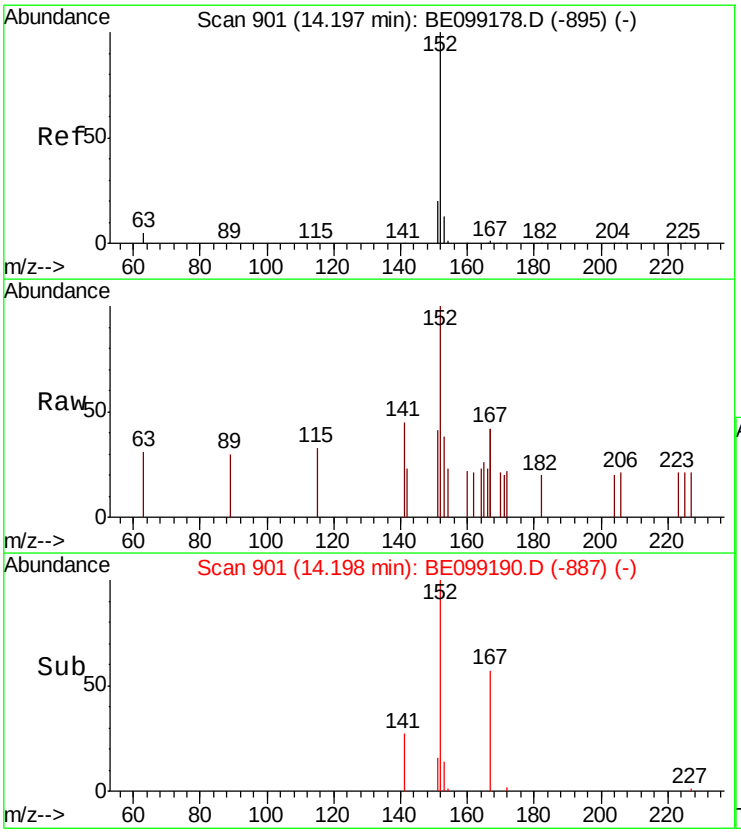
#15
2-Fluorobiphenyl
Concen: 0.378 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:172 Resp: 14138

Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.4	41.0
170	23.9	19.1	28.7

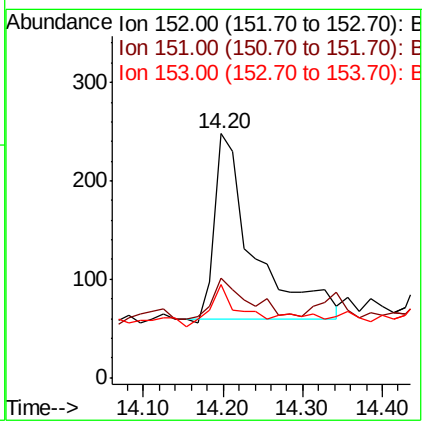


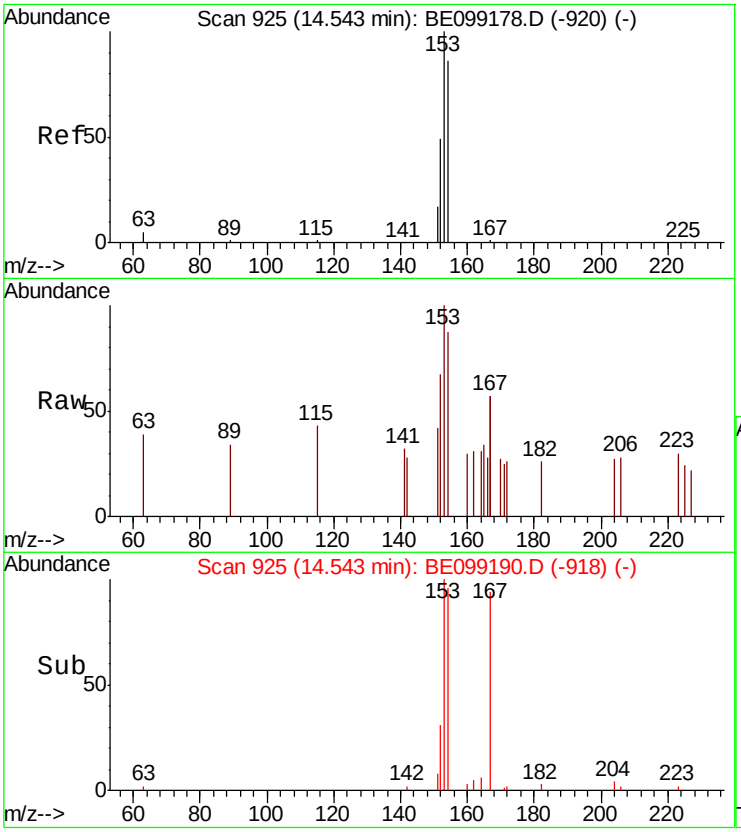


#16
Acenaphthylene
Concen: 0.014 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion:152 Resp: 643

Ion	Ratio	Lower	Upper
152	100		
151	22.2	15.7	23.5
153	16.0	10.6	15.8#



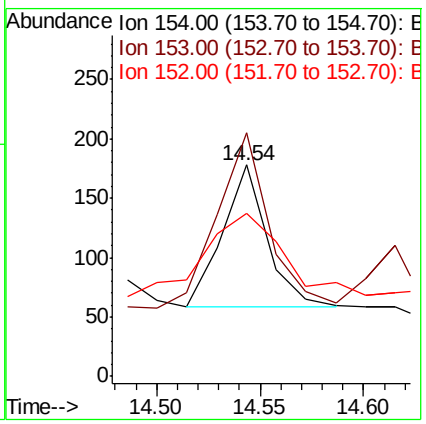


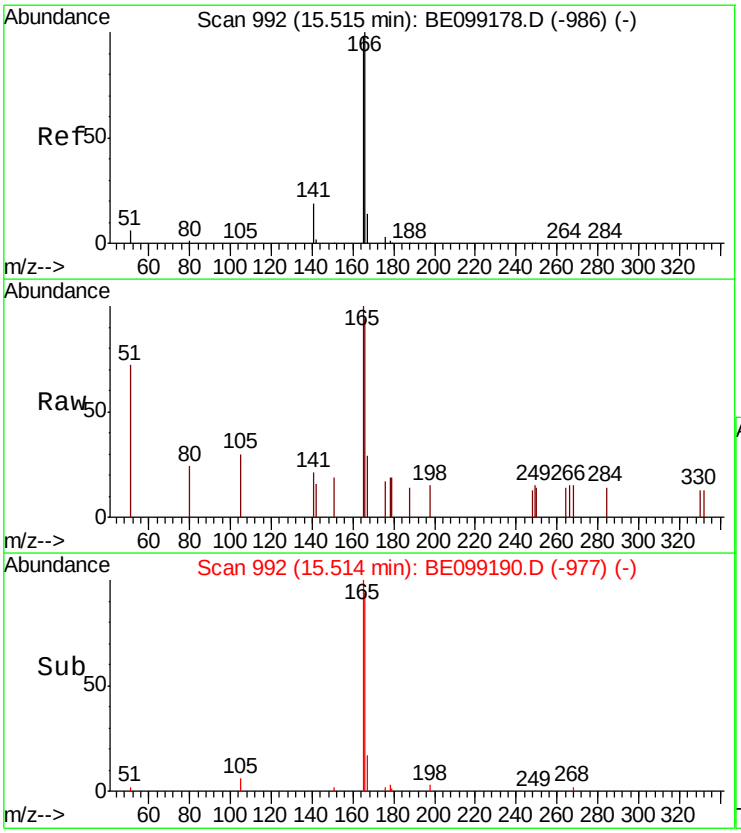
#17
Acenaphthene
Concen: 0.006 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:154 Resp: 178

Ion	Ratio	Lower	Upper
154	100		
153	146.1	93.4	140.0#
152	99.4	46.6	69.8#

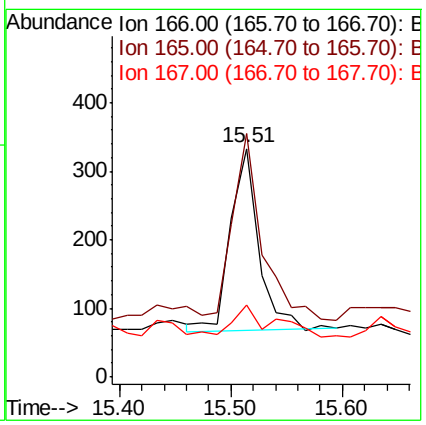


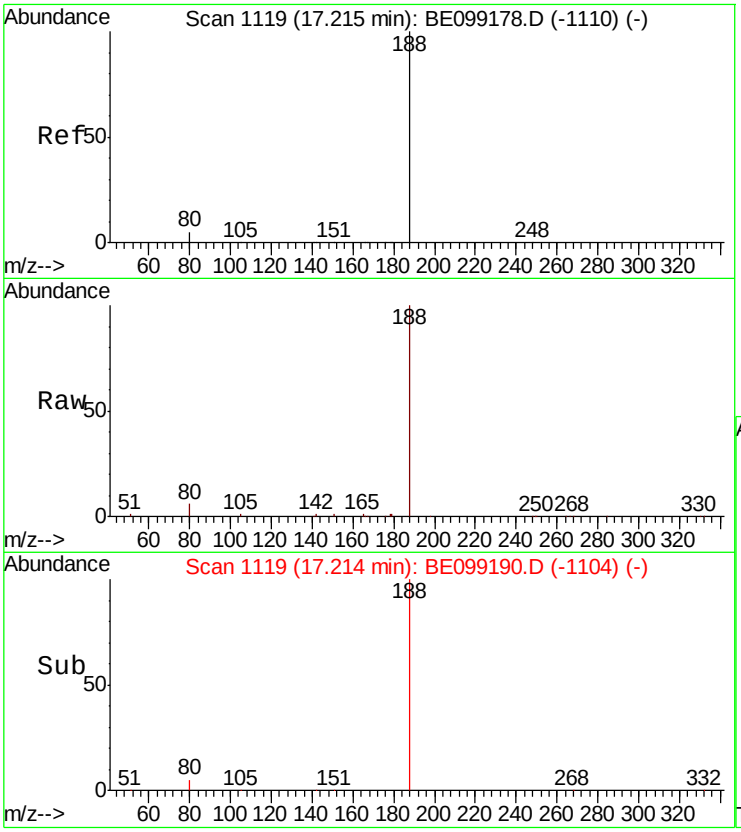


#18
Fluorene
Concen: 0.012 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion:166 Resp: 461

Ion	Ratio	Lower	Upper
166	100		
165	109.1	78.9	118.3
167	25.2	10.9	16.3#



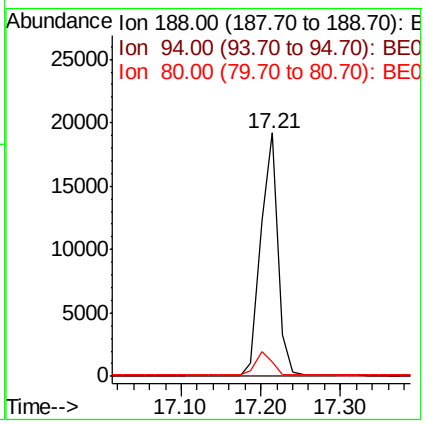


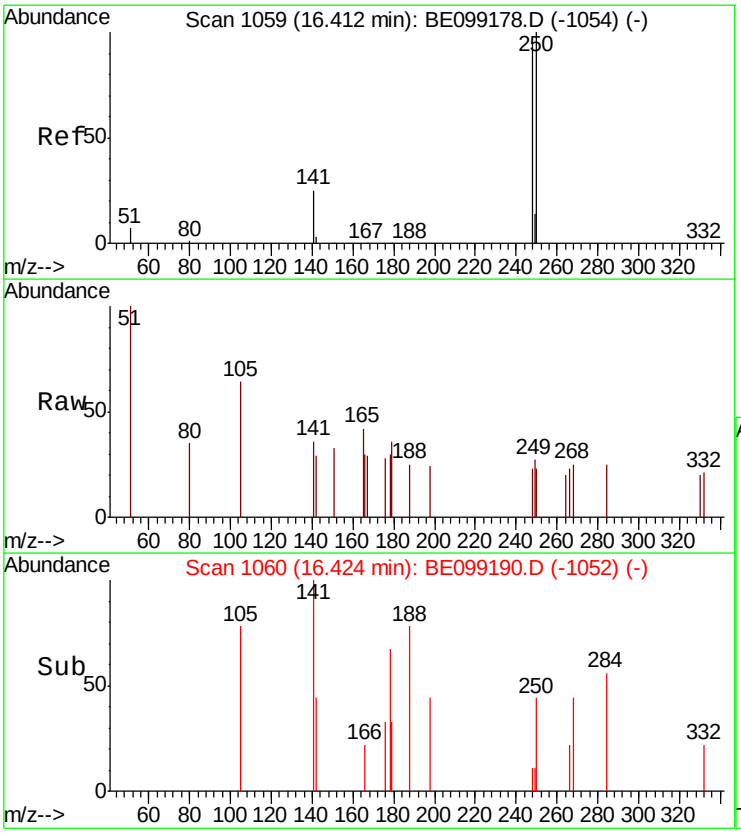
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:188 Resp: 29048

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.9	4.5	6.7

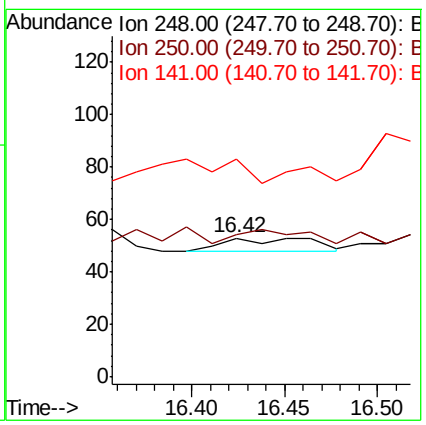


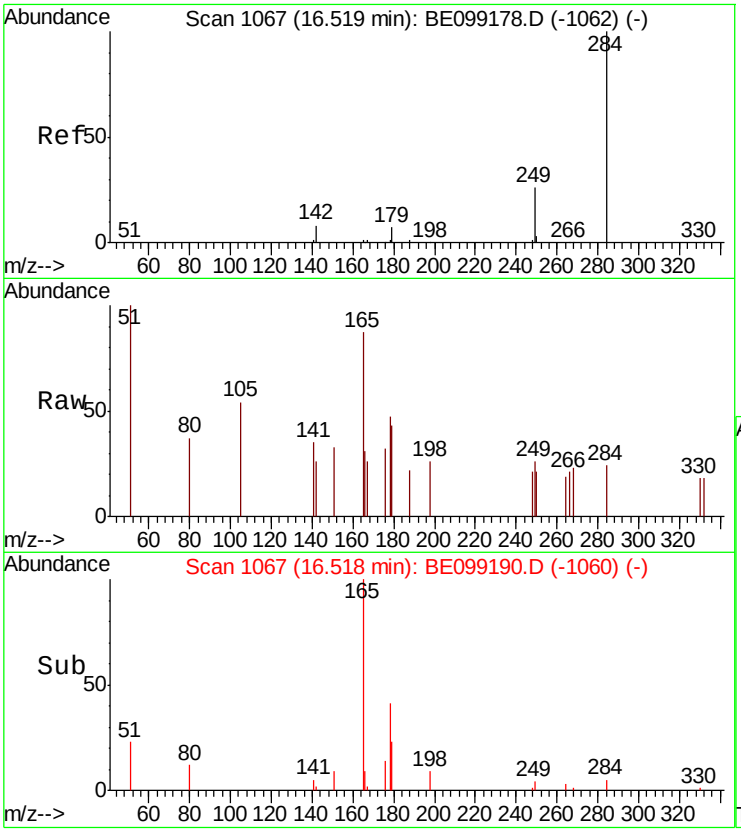


#20
4-Bromophenyl-phenylether
Concen: 0.001 ng
RT: 16.42 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion:248 Resp: 17

Ion	Ratio	Lower	Upper
248	100		
250	101.9	84.2	126.2
141	156.6	21.8	32.6#



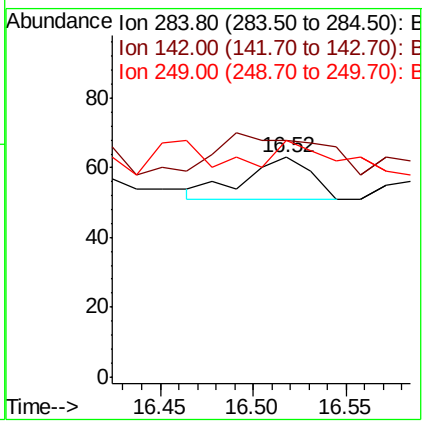


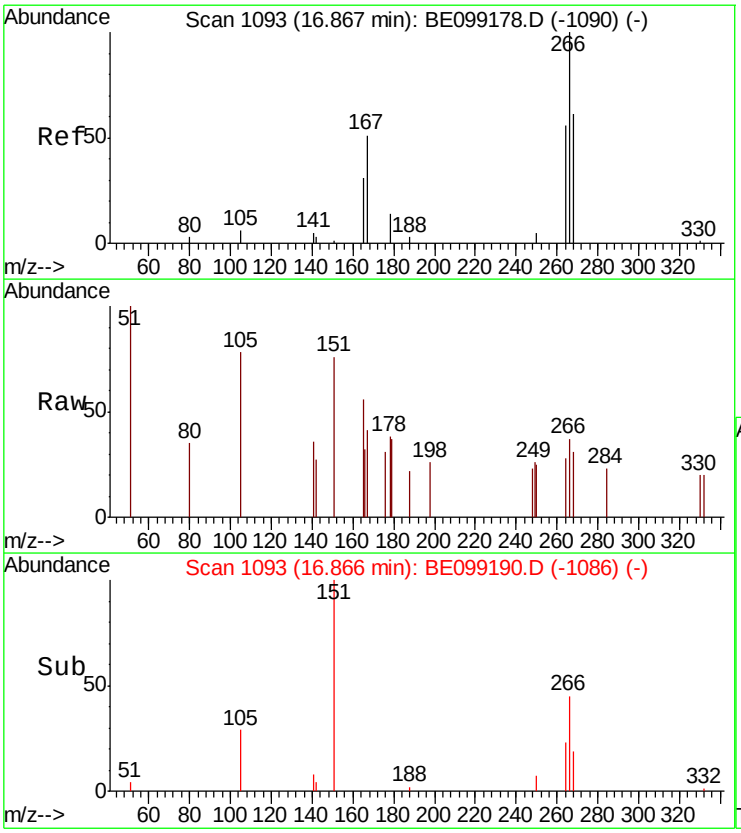
#21
Hexachlorobenzene
Concen: 0.002 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:284 Resp: 30

Ion	Ratio	Lower	Upper
284	100		
142	0.0	22.7	34.1#
249	40.0	26.9	40.3

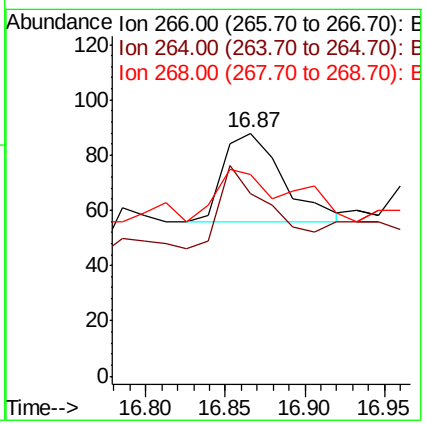


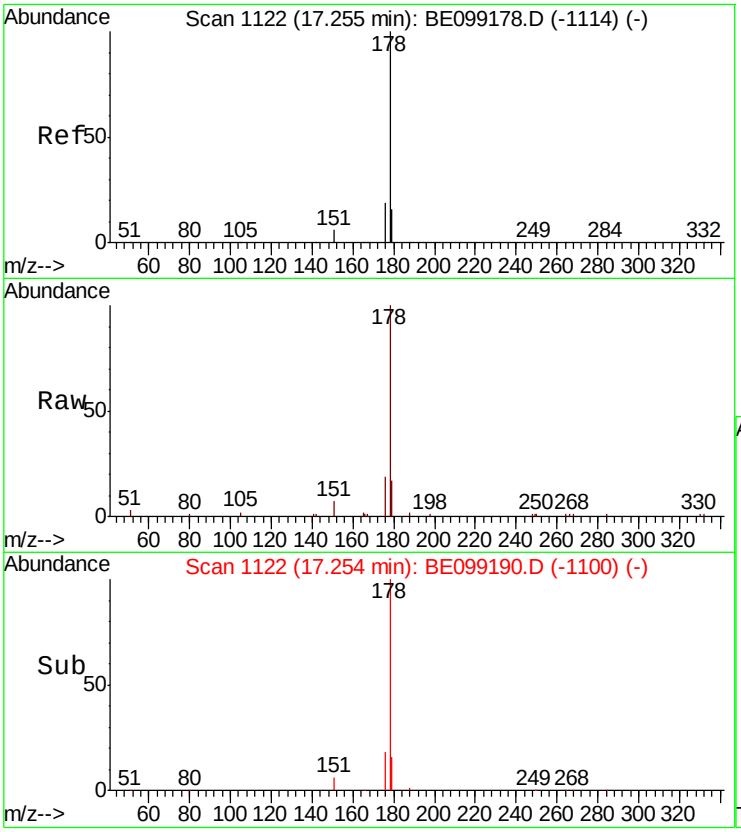


#22
Pentachlorophenol
Concen: 0.270 ng
RT: 16.87 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion:266 Resp: 83

Ion	Ratio	Lower	Upper
266	100		
264	75.0	54.4	81.6
268	83.0	61.3	91.9



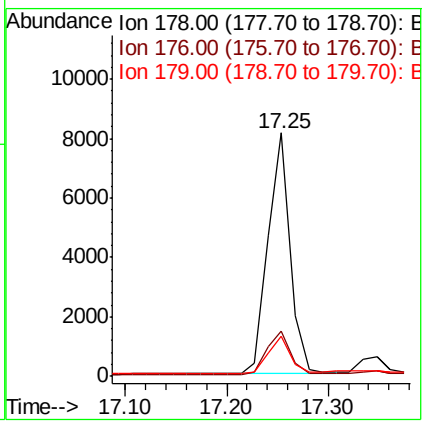


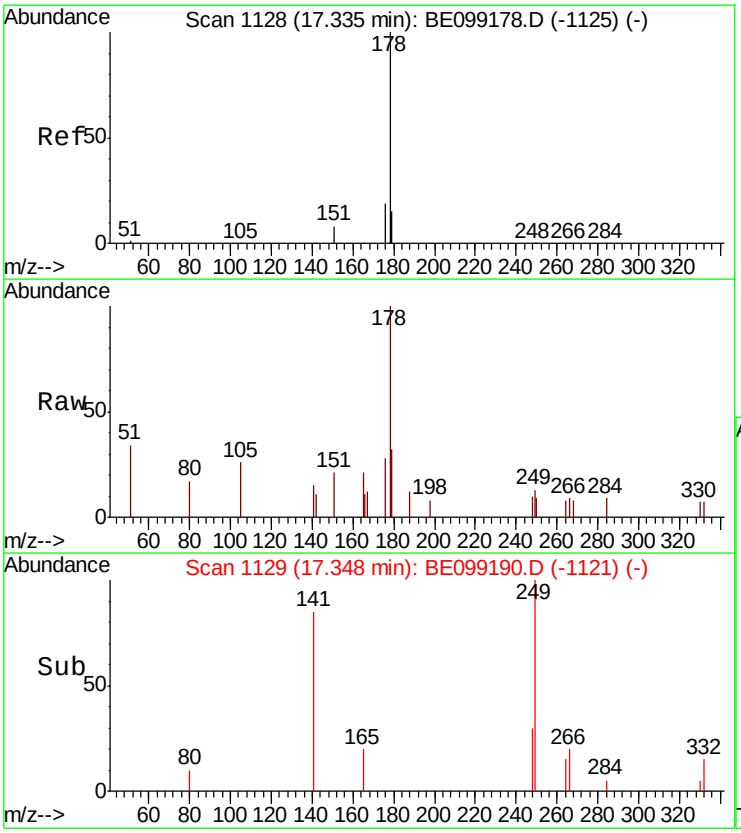
#23
Phenanthrene
Concen: 0.145 ng
RT: 17.25 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:178 Resp: 12363

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	16.6	12.3	18.5

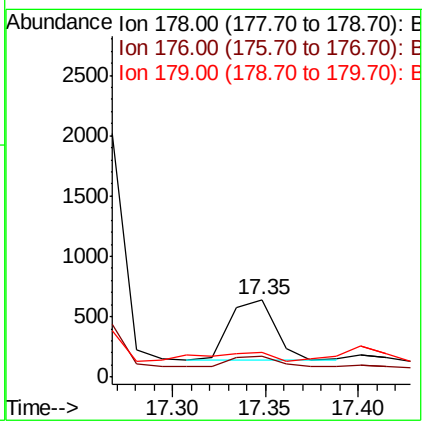


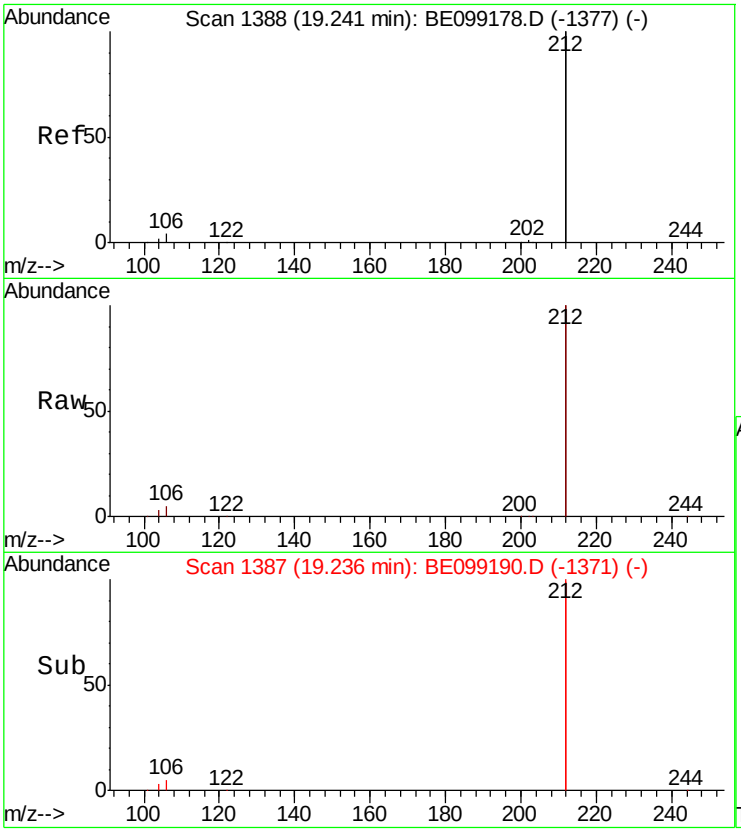


#24
Anthracene
Concen: 0.011 ng
RT: 17.35 min Scan# 1129
Delta R.T. 0.01 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion:178 Resp: 844

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	22.0	12.4	18.6#



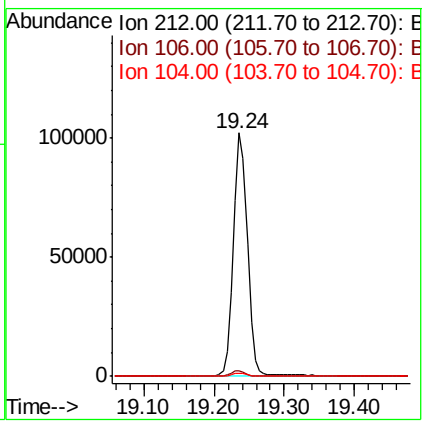


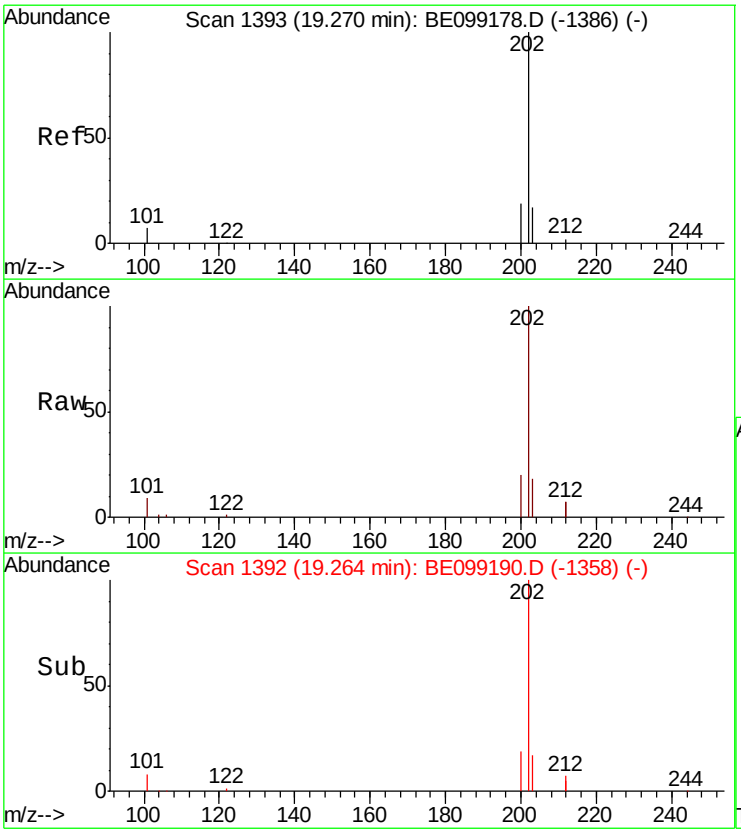
#25
Fluoranthene-d10
Concen: 0.397 ng
RT: 19.24 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:212 Resp: 139618

Ion	Ratio	Lower	Upper
212	100		
106	2.4	1.8	2.8
104	1.4	1.1	1.7

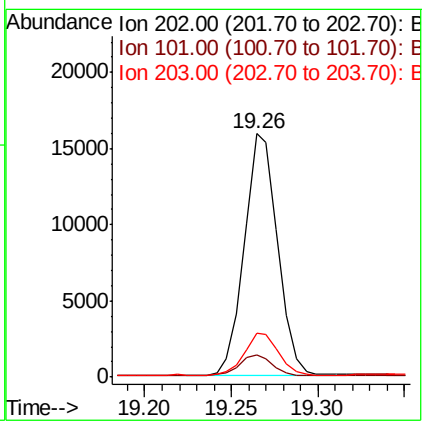


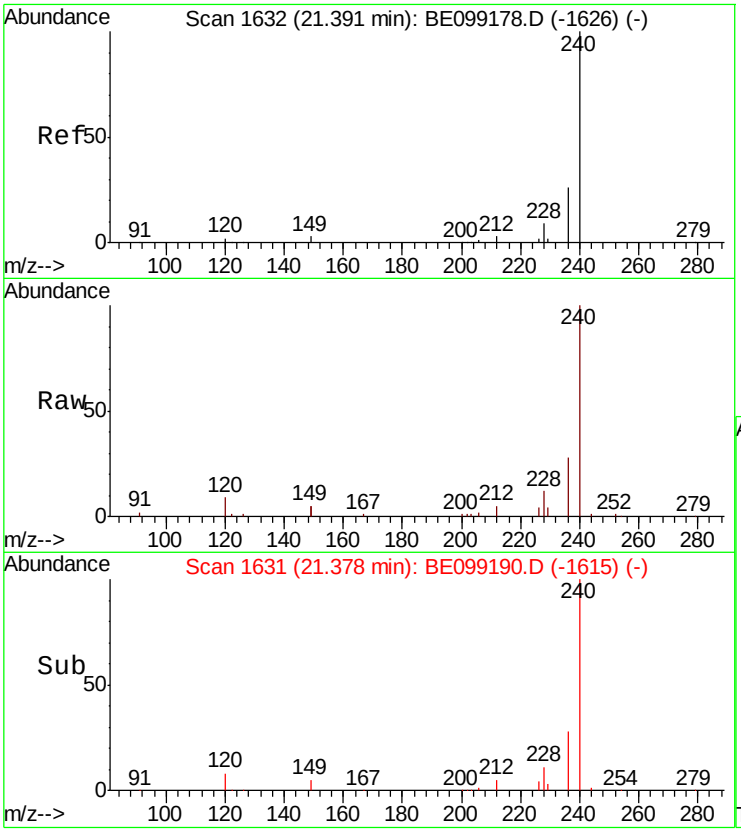


#26
Fluoranthene
Concen: 0.196 ng
RT: 19.26 min Scan# 1392
Delta R.T. -0.01 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion:202 Resp: 21370

Ion	Ratio	Lower	Upper
202	100		
101	8.8	7.0	10.4
203	17.7	13.8	20.6



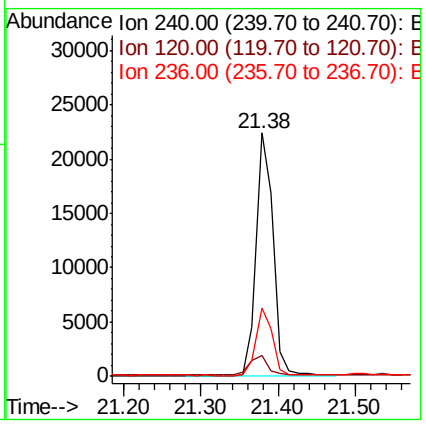


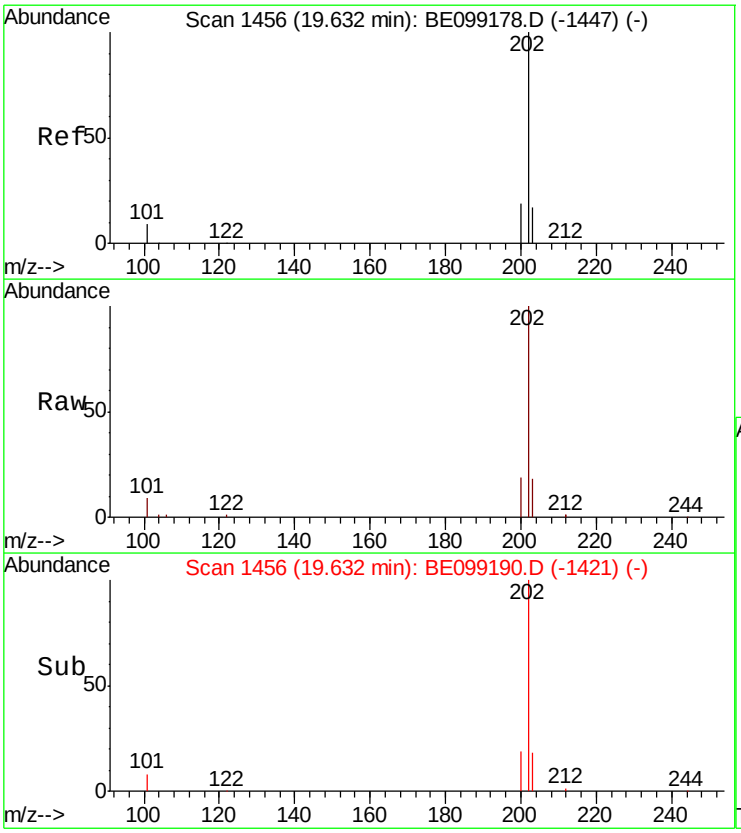
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:240 Resp: 34226

Ion	Ratio	Lower	Upper
240	100		
120	8.8	2.6	3.8#
236	28.3	20.9	31.3

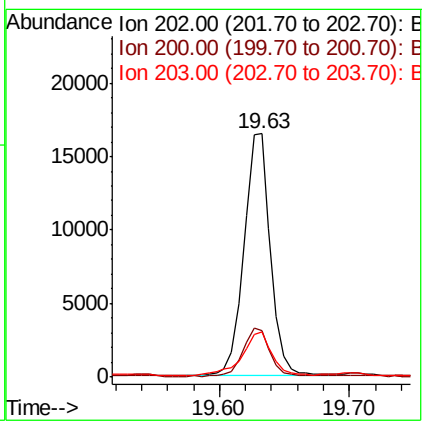


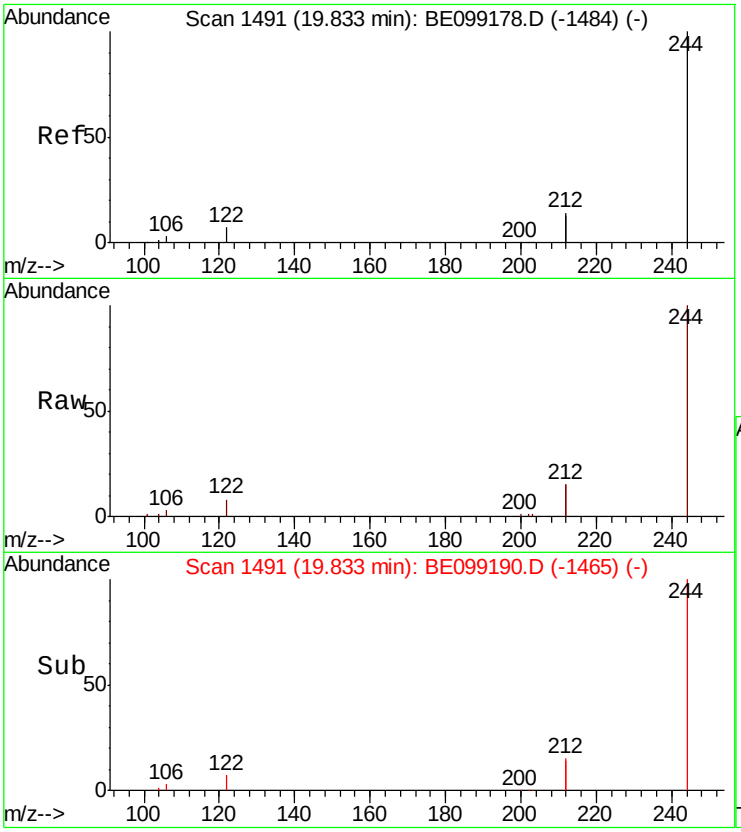


#28
Pyrene
Concen: 0.205 ng
RT: 19.63 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion:202 Resp: 23259

Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.8	23.8
203	19.9	14.1	21.1



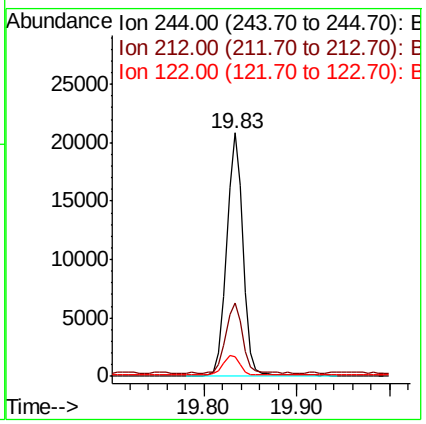


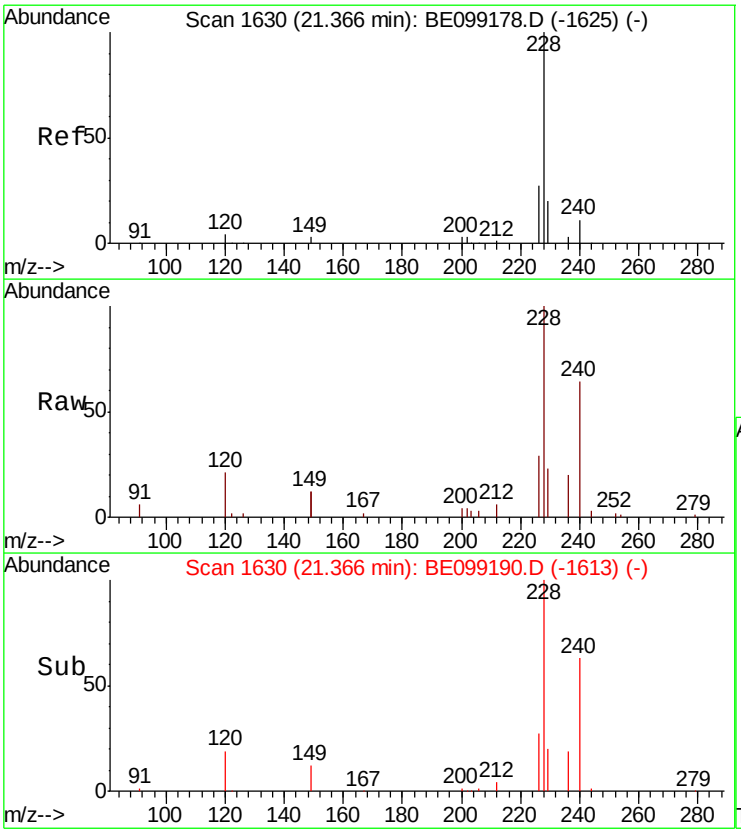
#29
Terphenyl-d14
Concen: 0.338 ng
RT: 19.83 min Scan# 1491
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:244 Resp: 25173

Ion	Ratio	Lower	Upper
244	100		
212	30.1	22.7	34.1
122	7.8	5.8	8.6

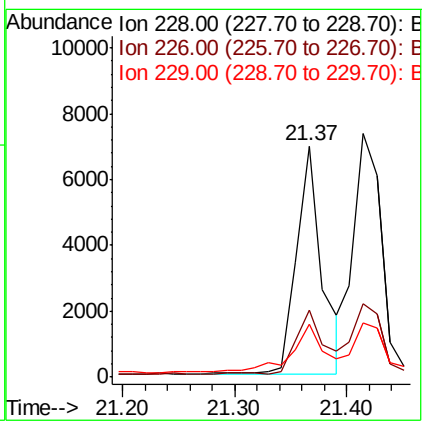


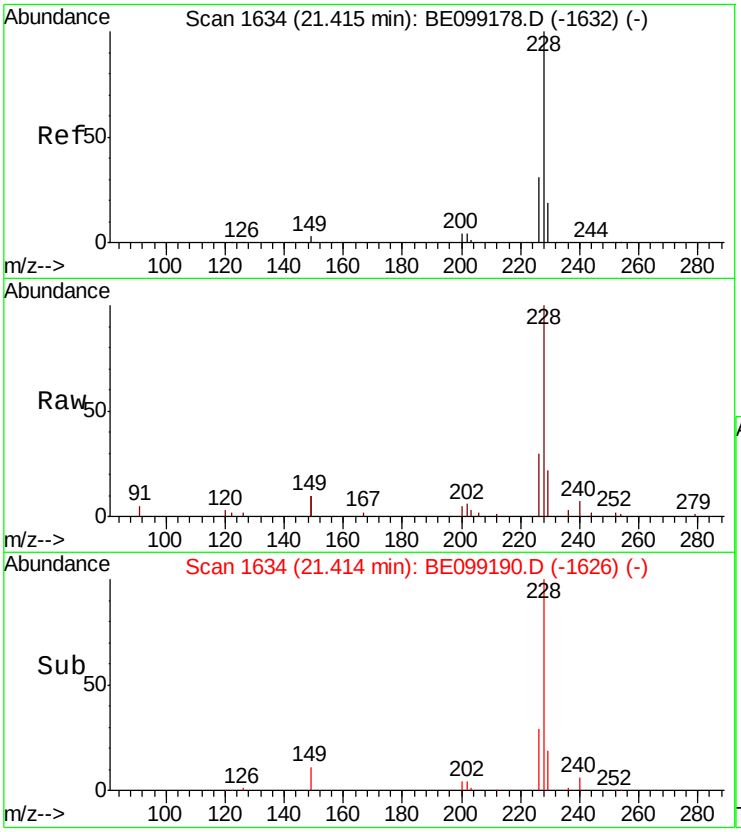


#30
Benzo(a)anthracene
Concen: 0.096 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion:228 Resp: 10879

Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.7	32.5
229	23.1	15.9	23.9



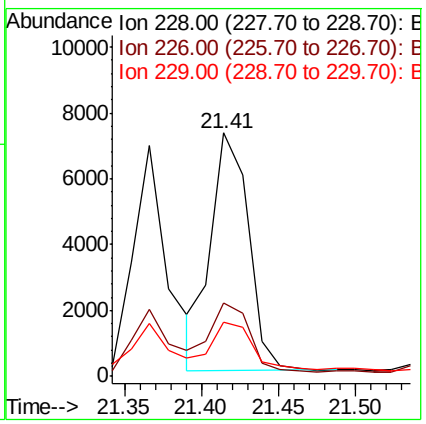


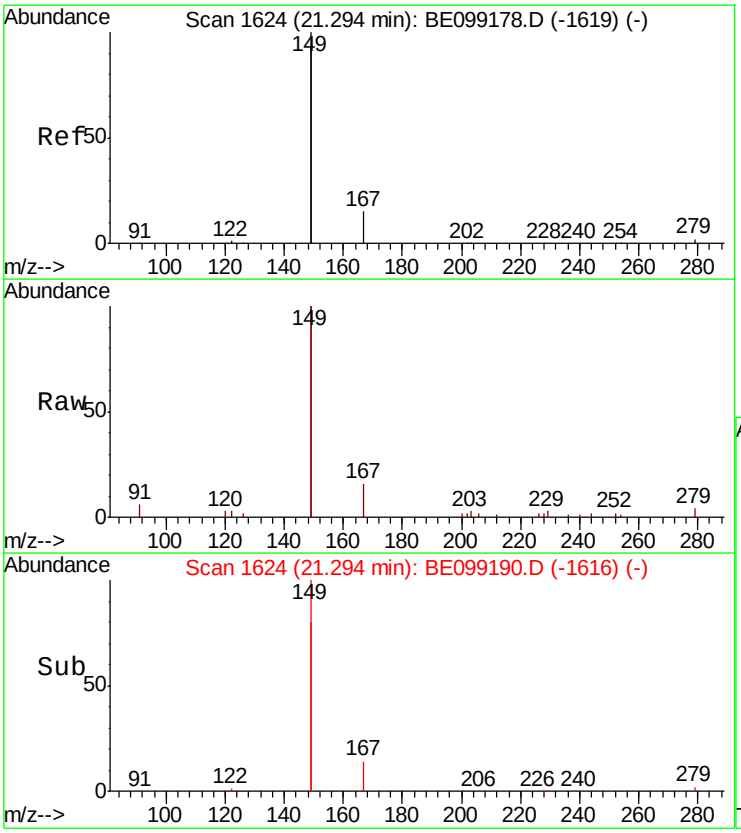
#31
Chrysene
Concen: 0.101 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:228 Resp: 12246

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.8	37.2
229	22.5	15.4	23.0

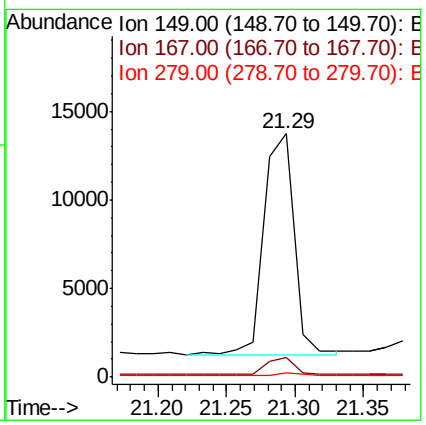


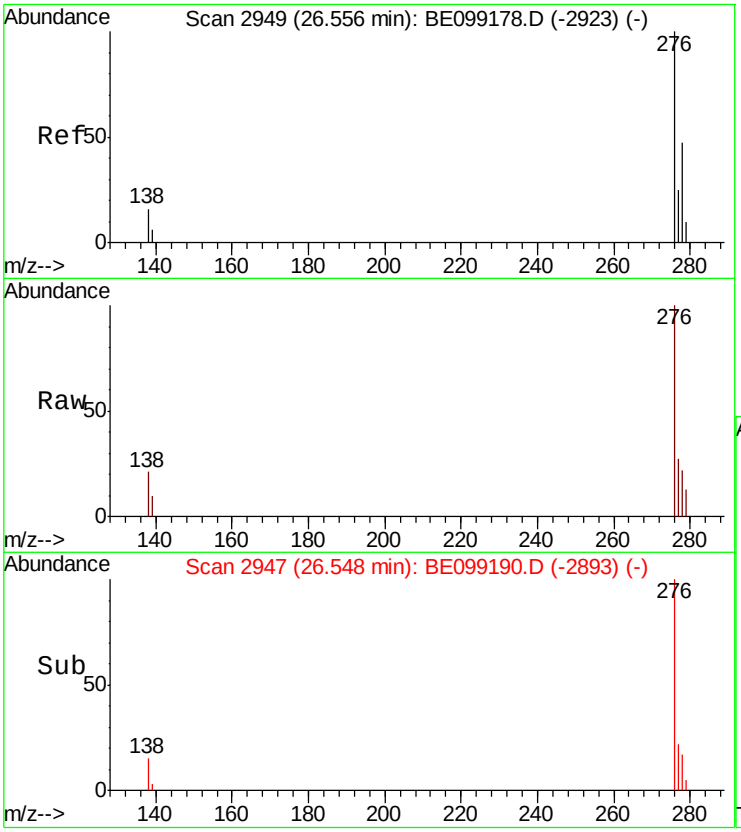


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.141 ng
RT: 21.29 min Scan# 1624
Delta R.T. -0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion:149 Resp: 19023

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.9	8.9
279	1.4	1.0	1.6



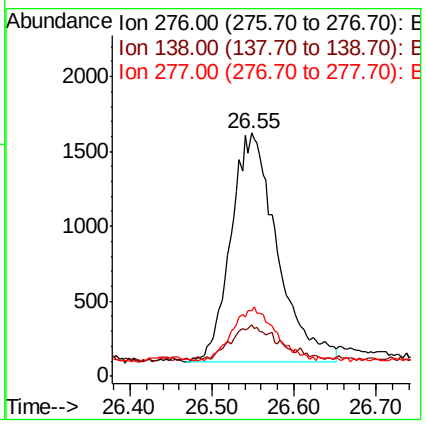


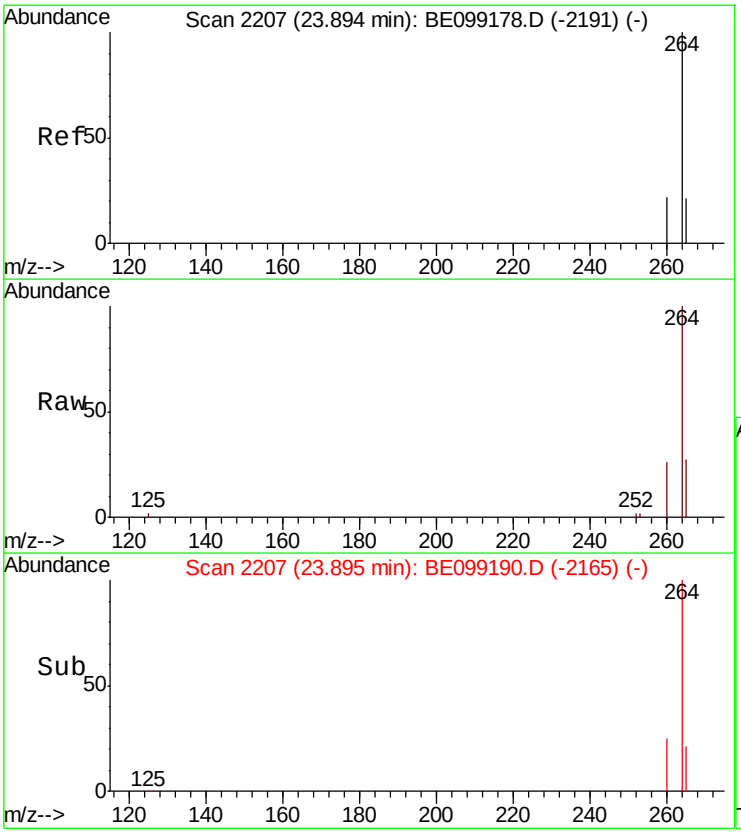
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.053 ng
RT: 26.55 min Scan# 2947
Delta R.T. -0.01 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:276 Resp: 6031

Ion	Ratio	Lower	Upper
276	100		
138	12.0	12.9	19.3#
277	21.7	18.3	27.5

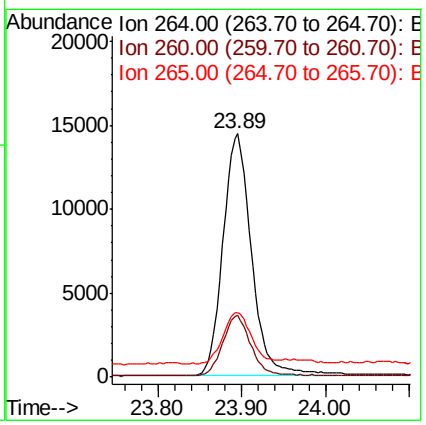


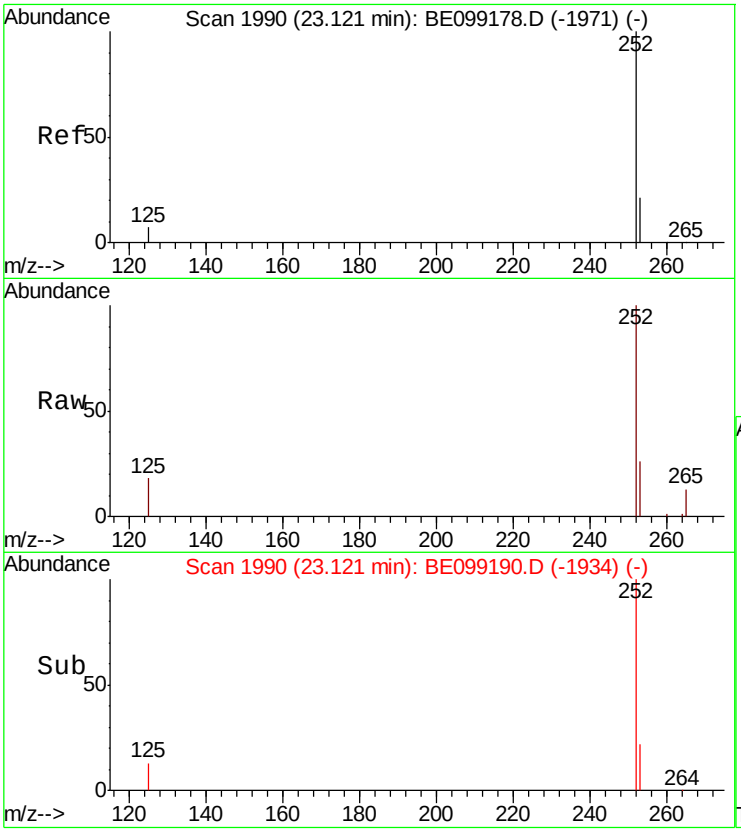


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion:264 Resp: 34173

Ion	Ratio	Lower	Upper
264	100		
260	25.7	18.2	27.2
265	26.5	21.8	32.8



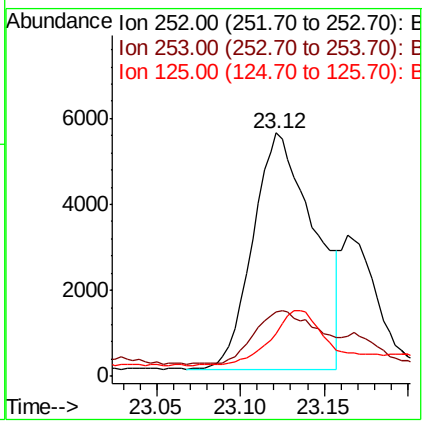


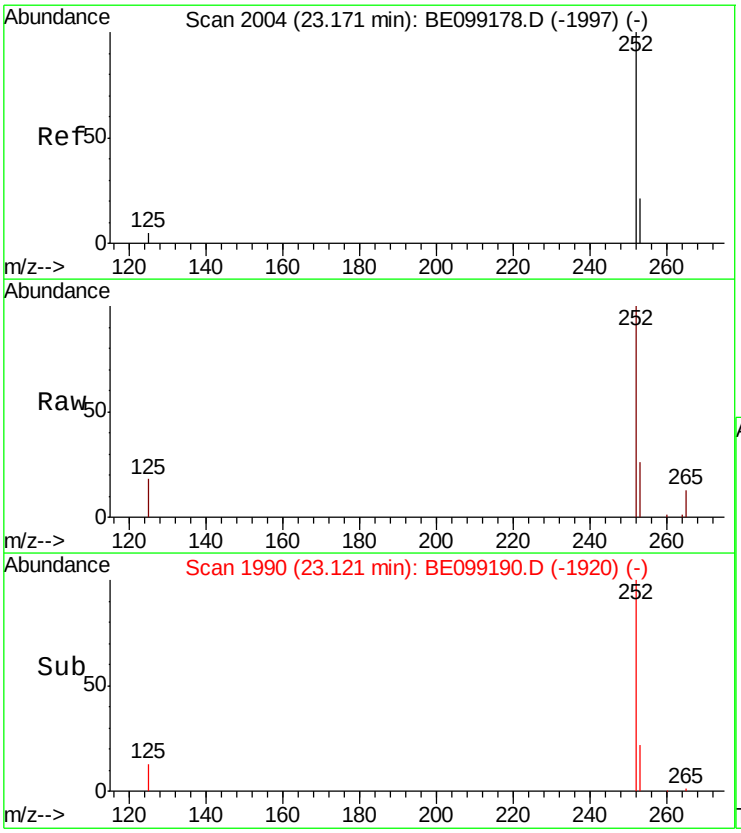
#35
Benzo(b)fluoranthene
Concen: 0.125 ng
RT: 23.12 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:252 Resp: 14082

Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.8	26.8
125	17.8	6.1	9.1#

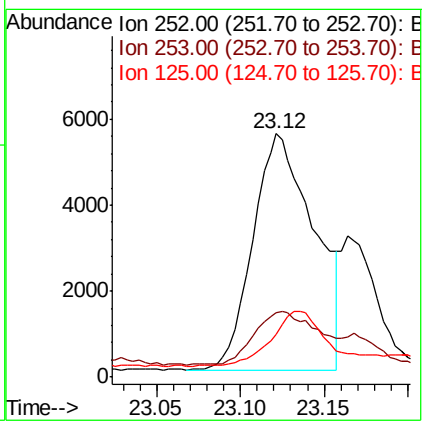


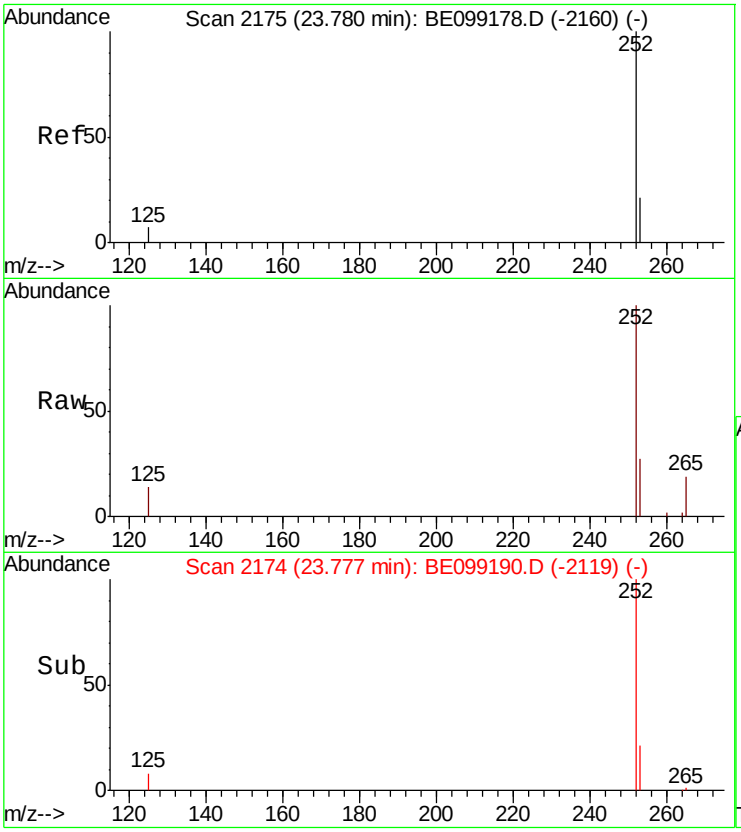


#36
Benzo(k)fluoranthene
Concen: 0.118 ng
RT: 23.12 min Scan# 1990
Delta R.T. -0.05 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion:252 Resp: 14082

Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.8	26.6
125	17.8	5.9	8.9#



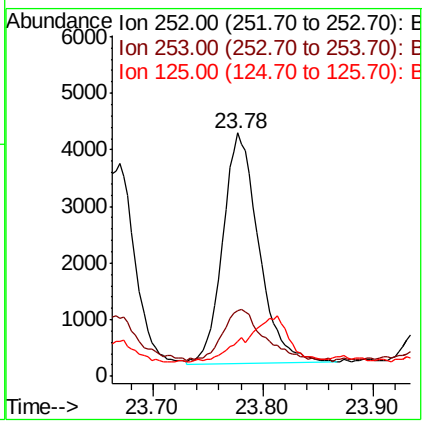


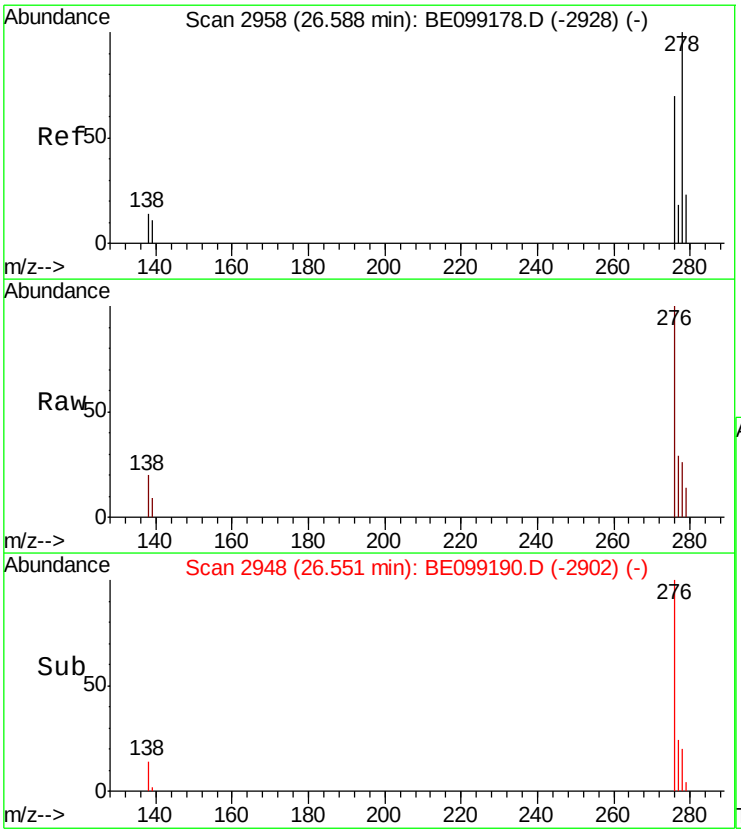
#37
Benzo(a)pyrene
Concen: 0.088 ng
RT: 23.78 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:252 Resp: 9251

Ion	Ratio	Lower	Upper
252	100		
253	27.2	18.1	27.1#
125	14.4	6.8	10.2#

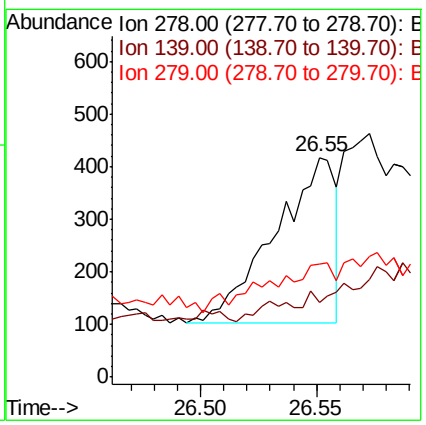


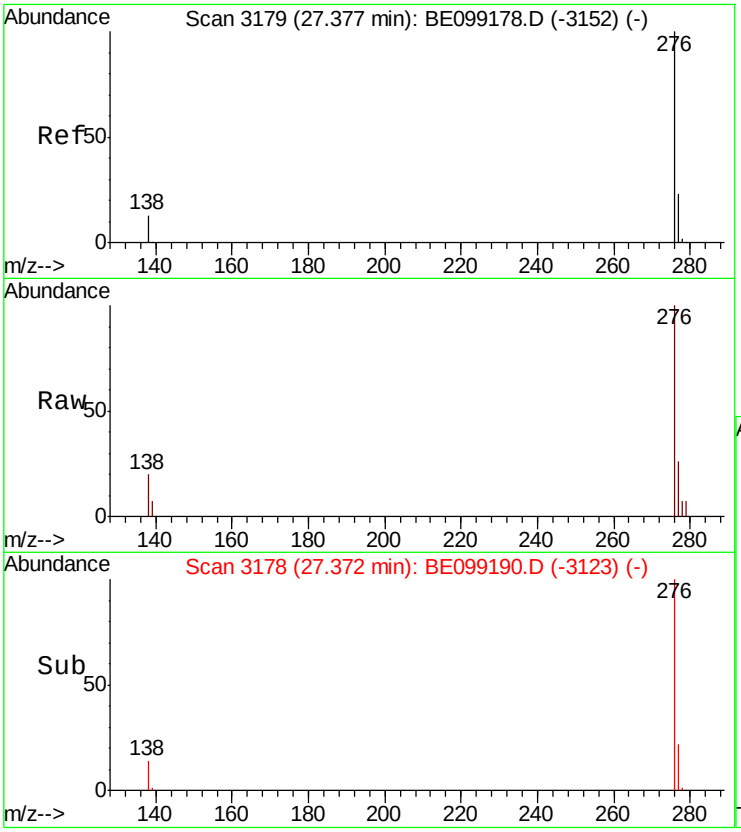


#38
Dibenzo(a,h)anthracene
Concen: 0.006 ng
RT: 26.55 min Scan# 2948
Delta R.T. -0.04 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Tgt Ion:278 Resp: 571

Ion	Ratio	Lower	Upper
278	100		
139	34.1	9.5	14.3#
279	51.8	19.1	28.7#





#39
Benzo(g,h,i)perylene
Concen: 0.069 ng
RT: 27.37 min Scan# 3178
Delta R.T. -0.01 min
Lab File: BE099190.D
Acq: 25 Mar 2019 21:31

Instrument :
BNA_E
ClientSampleId :
PST-026-SW045-031919

Tgt Ion:276 Resp: 6471

Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.0	28.4
138	19.7	11.1	16.7#