Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060519\
Data File : BE099812.D
Acq On : 5 Jun 2019 20:15
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc : MDL-SIM-0.1PPM
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Jun 06 01:41:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 05 14:35:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1061	0.40	ng		0.00
7) Naphthalene-d8	10.61	136	3719	0.40	ng		0.00
13) Acenaphthene-d10	14.48	164	2624	0.40	ng		0.01
19) Phenanthrene-d10	17.23	188	9251	0.40	ng		0.00
27) Chrysene-d12	21.41	240	16832	0.40	ng		0.00
34) Perylene-d12	23.95	264	21110	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.37	112	843	0.33	ng		0.00
5) Phenol-d6	6.97	99	1089	0.33	ng		0.00
8) Nitrobenzene-d5	8.98	82	1075	0.33	ng		0.01
11) 2-Methylnaphthalene-d10	12.22	152	2263	0.35	ng		0.01
14) 2,4,6-Tribromophenol	15.98	330	463	0.37	ng		0.00
15) 2-Fluorobiphenyl	13.10	172	3521	0.36	ng		0.00
25) Fluoranthene-d10	19.26	212	49745	0.36	ng		0.00
29) Terphenyl-d14	19.86	244	9967	0.36	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.28	88	547	0.355	ng		98
3) n-Nitrosodimethylamine	3.63	42	215	0.263	ng	#	94
6) bis(2-Chloroethyl)ether	7.23	93	1052	0.361	ng		91
9) Naphthalene	10.65	128	14430	0.363	ng		99
10) Hexachlorobutadiene	10.93	225	1097	0.363	ng		98
12) 2-Methylnaphthalene	12.29	142	2134	0.337	ng		98
16) Acenaphthylene	14.20	152	4653	0.368	ng		99
17) Acenaphthene	14.54	154	2469	0.356	ng		99
18) Fluorene	15.51	166	3776	0.370	ng		96
20) 4-Bromophenyl-phenylether	16.43	248	1622	0.314	ng	#	83
21) Hexachlorobenzene	16.52	284	1940	0.343	ng		98
22) Pentachlorophenol	16.95	266	154	0.363	ng		95
23) Phenanthrene	17.27	178	7663	0.347	ng		99
24) Anthracene	17.36	178	6345	0.318	ng		100
26) Fluoranthene	19.29	202	14249	0.368	ng		100
28) Pyrene	19.65	202	14949	0.368	ng		99
30) Benzo(a)anthracene	21.39	228	18399	0.396	ng		100
31) Chrysene	21.45	228	19626	0.382	ng		99
32) Bis(2-ethylhexyl)phthalate	21.31	149	17506	0.328	ng		100
33) Indeno(1,2,3-cd)pyrene	26.63	276	26022	0.423	ng		99
35) Benzo(b)fluoranthene	23.16	252	21352	0.365	ng	#	98
36) Benzo(k)fluoranthene	23.21	252	21532	0.347	ng		99
37) Benzo(a)pyrene	23.83	252	20671	0.365	ng		97
38) Dibenzo(a,h)anthracene	26.66	278	20236	0.351	ng		97
39) Benzo(g,h,i)perylene	27.46	276	21530	0.356	ng		99

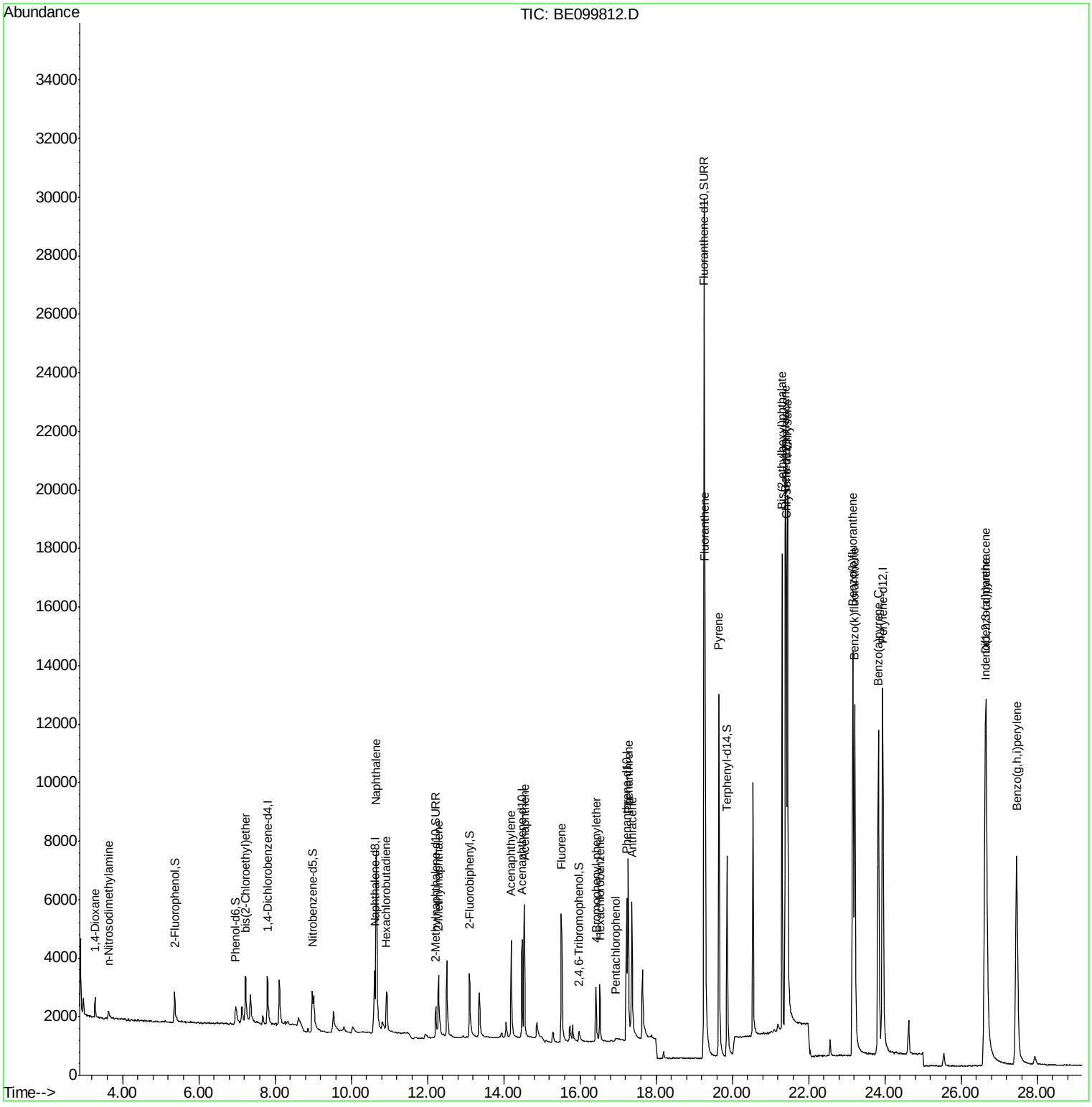
(#) = qualifier out of range (m) = manual integration (+) = signals summed

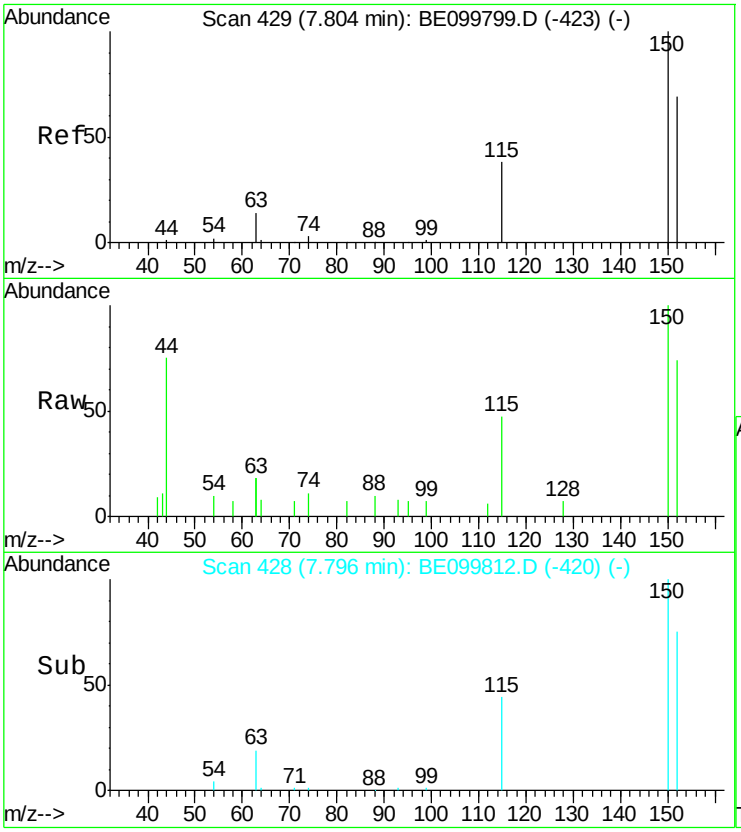
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060519\
Data File : BE099812.D
Acq On : 5 Jun 2019 20:15
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc : MDL-SIM-0.1PPM
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Jun 06 01:41:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 05 14:35:58 2019
Response via : Initial Calibration



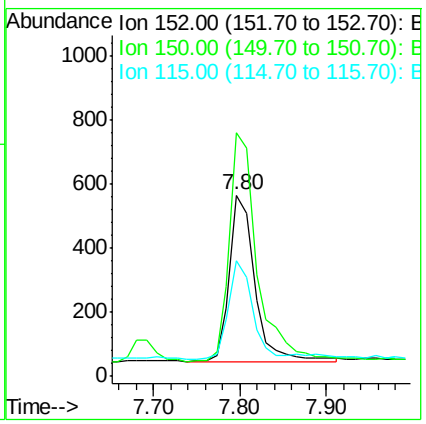


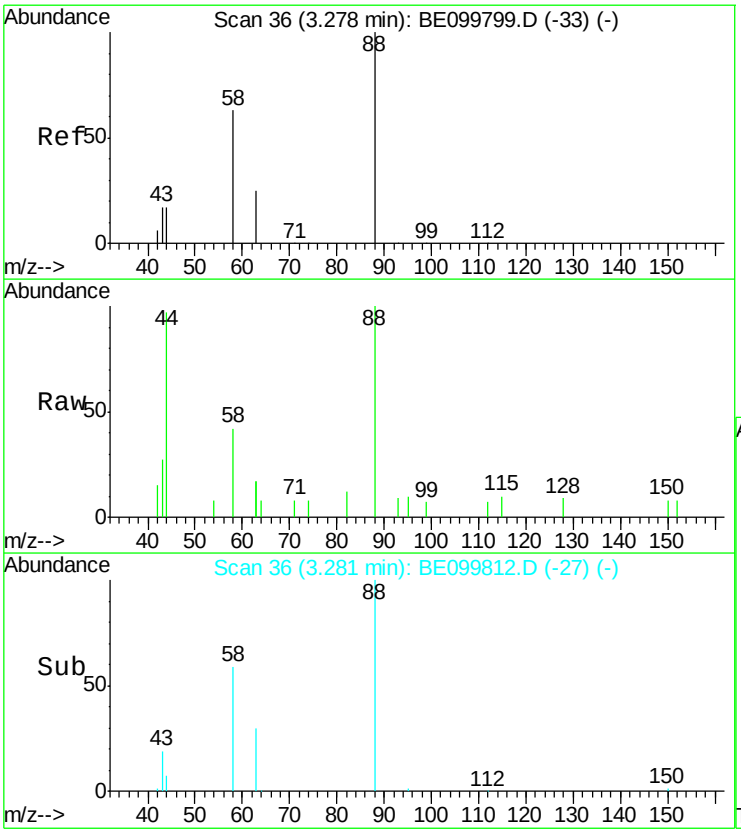
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 428
Delta R.T. -0.01 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1061

Ion	Ratio	Lower	Upper
152	100		
150	134.6	112.8	169.2
115	63.7	47.6	71.4

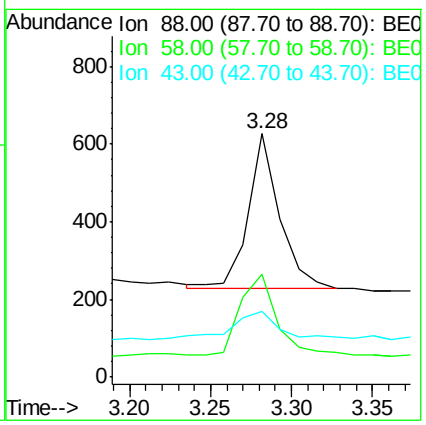


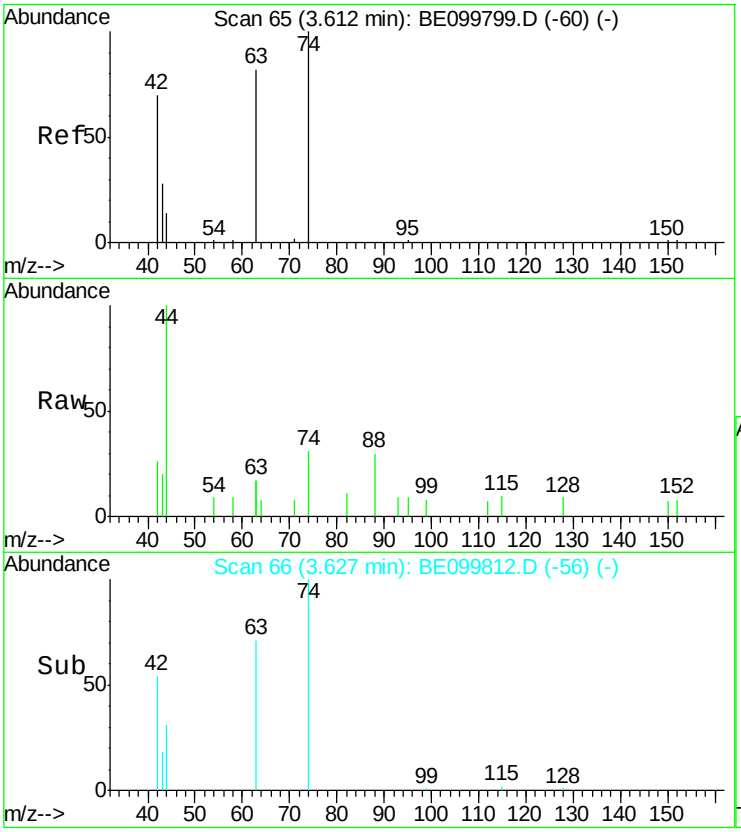


#2
1,4-Dioxane
Concen: 0.355 ng
RT: 3.28 min Scan# 36
Delta R.T. 0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion: 88 Resp: 547

Ion	Ratio	Lower	Upper
88	100		
58	59.0	47.3	70.9
43	25.4	18.2	27.4



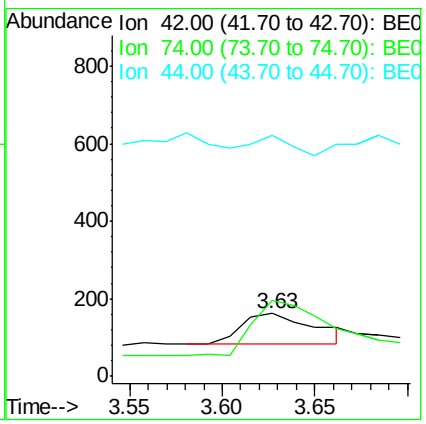


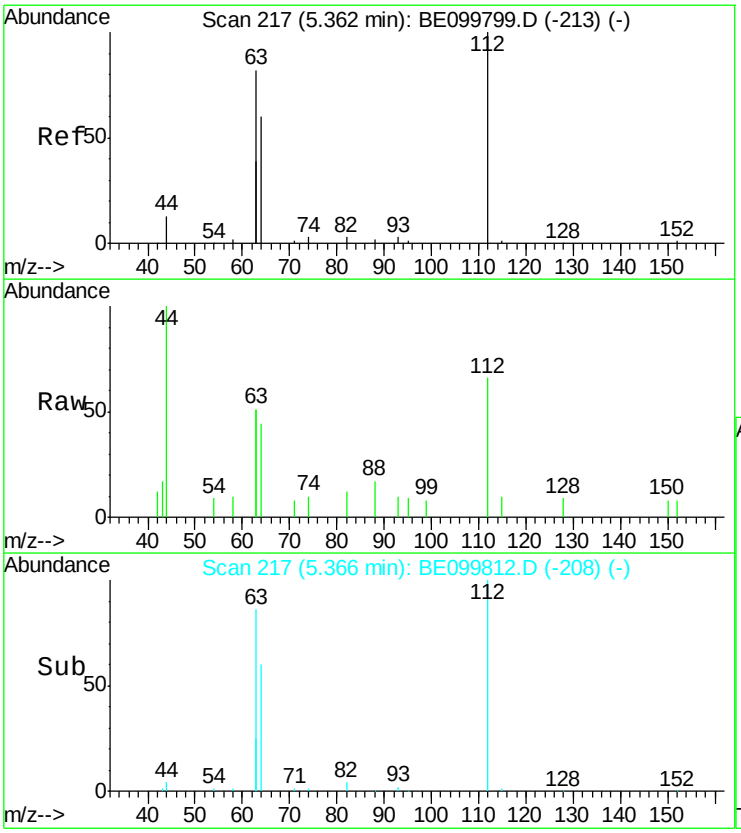
#3
n-Nitrosodimethylamine
Concen: 0.263 ng
RT: 3.63 min Scan# 66
Delta R.T. 0.02 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 215

Ion	Ratio	Lower	Upper
42	100		
74	169.8	132.6	198.8
44	32.6	13.4	20.0#

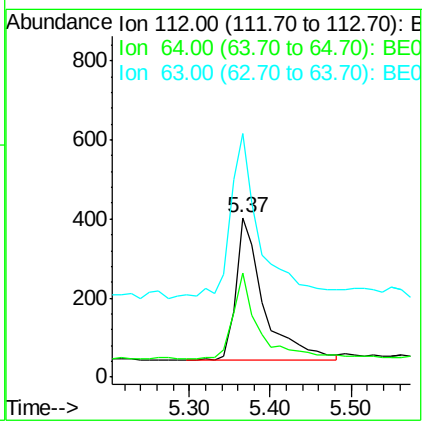


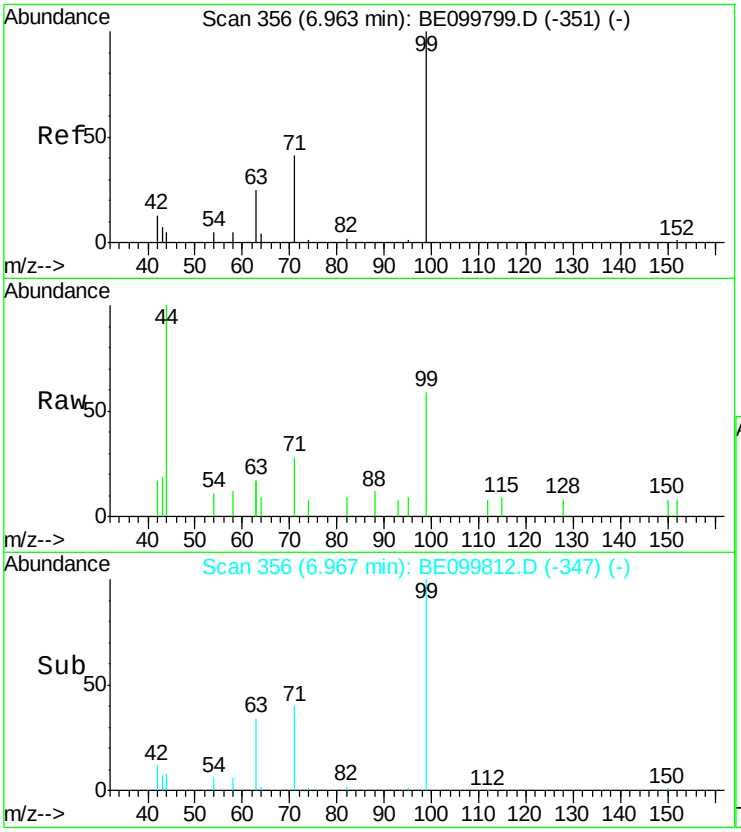


#4
2-Fluorophenol
Concen: 0.326 ng
RT: 5.37 min Scan# 217
Delta R.T. 0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion:112 Resp: 843

Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.2	70.8
63	119.0	90.7	136.1



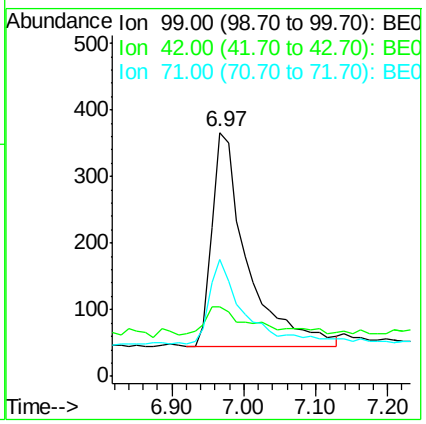


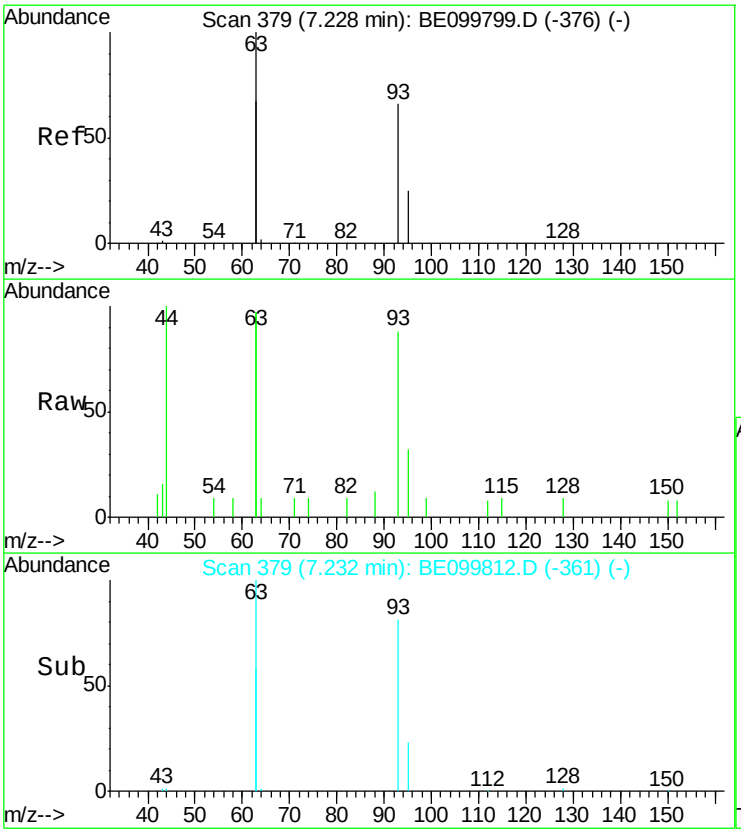
#5
Phenol-d6
Concen: 0.328 ng
RT: 6.97 min Scan# 356
Delta R.T. 0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 1089

Ion	Ratio	Lower	Upper
99	100		
42	16.3	11.0	16.4
71	37.6	26.1	39.1

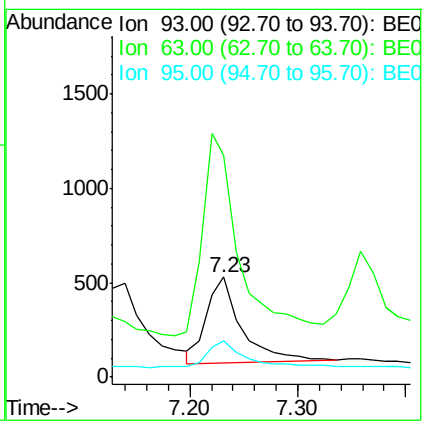


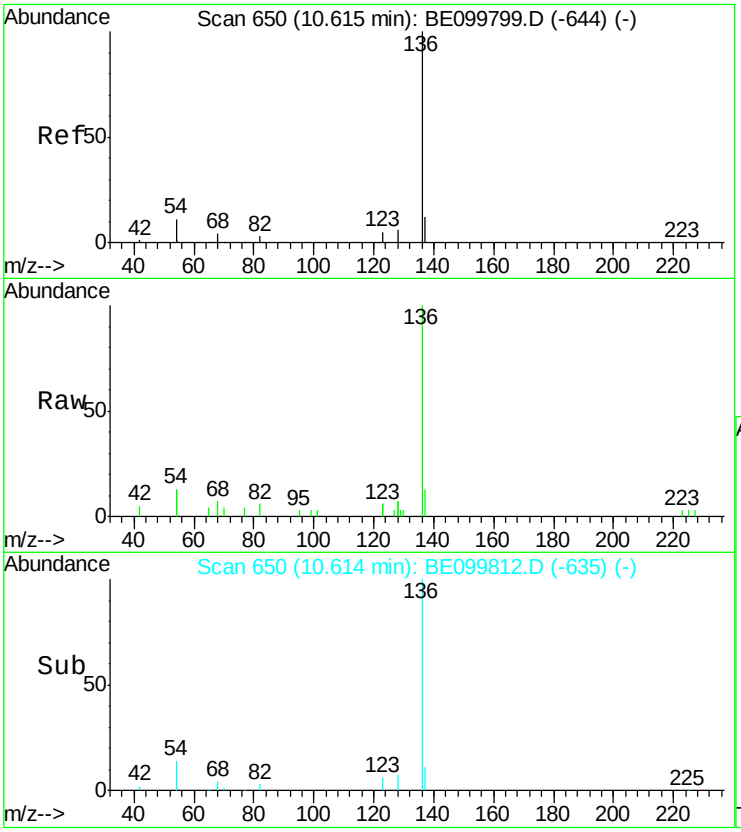


#6
bis(2-Chloroethyl)ether
Concen: 0.361 ng
RT: 7.23 min Scan# 379
Delta R.T. 0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion: 93 Resp: 1052

Ion	Ratio	Lower	Upper
93	100		
63	244.6	208.8	313.2
95	31.8	27.6	41.4



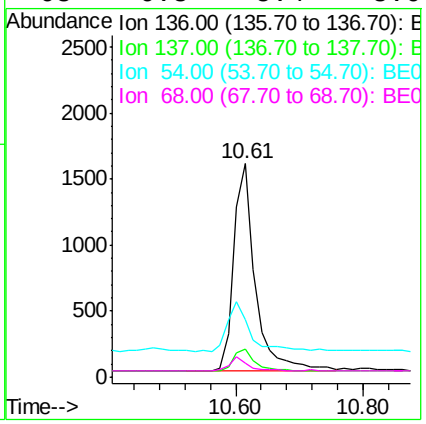


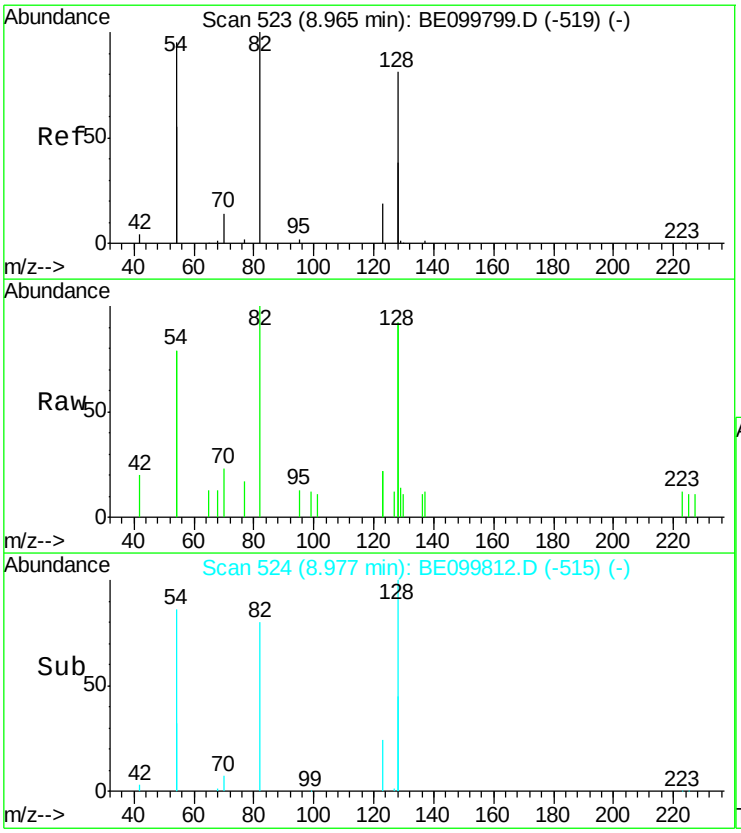
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. -0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 3719

Ion	Ratio	Lower	Upper
136	100		
137	13.3	11.1	16.7
54	26.8	17.9	26.9
68	6.8	5.4	8.0

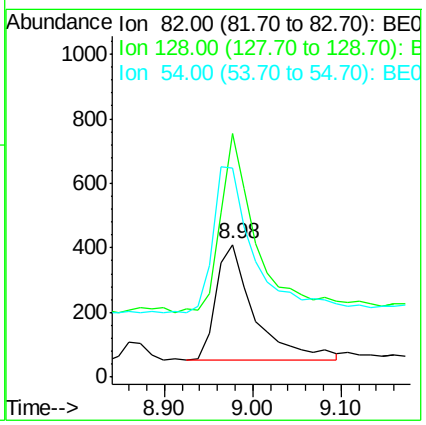


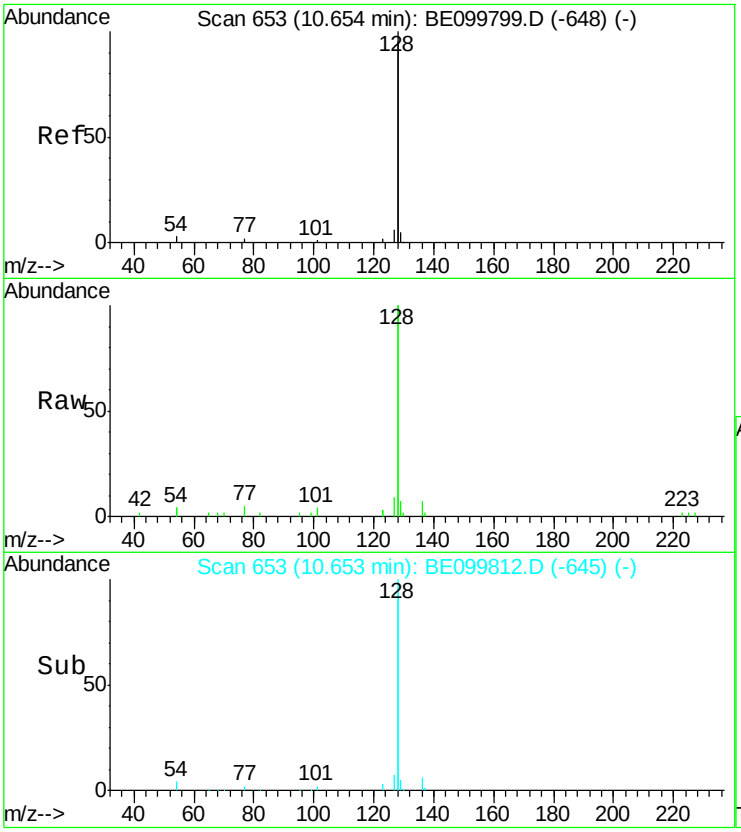


#8
Nitrobenzene-d5
Concen: 0.329 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.01 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion: 82 Resp: 1075

Ion	Ratio	Lower	Upper
82	100		
128	183.9	116.6	175.0#
54	158.0	136.2	204.4



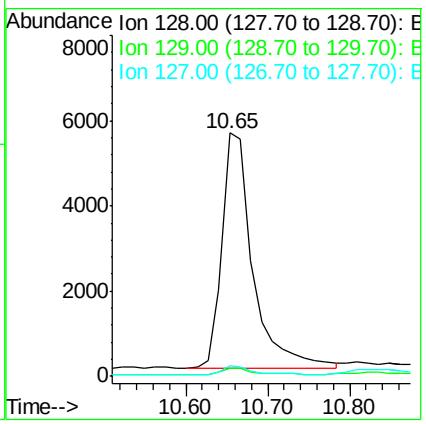


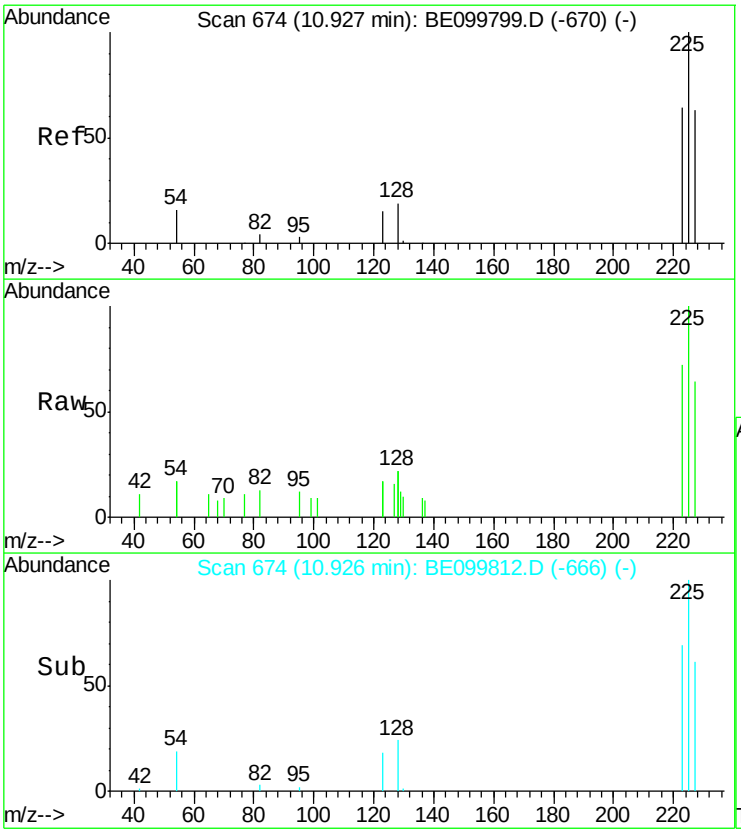
#9
Naphthalene
Concen: 0.363 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 14430

Ion	Ratio	Lower	Upper
128	100		
129	3.5	2.6	4.0
127	4.3	3.0	4.6

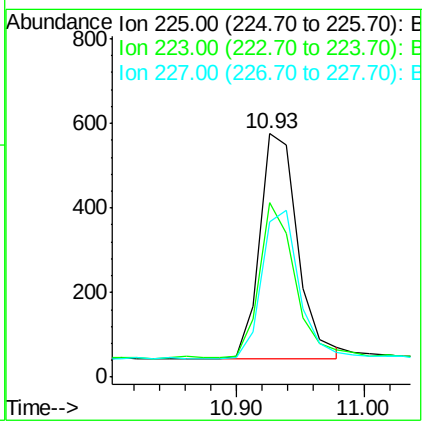


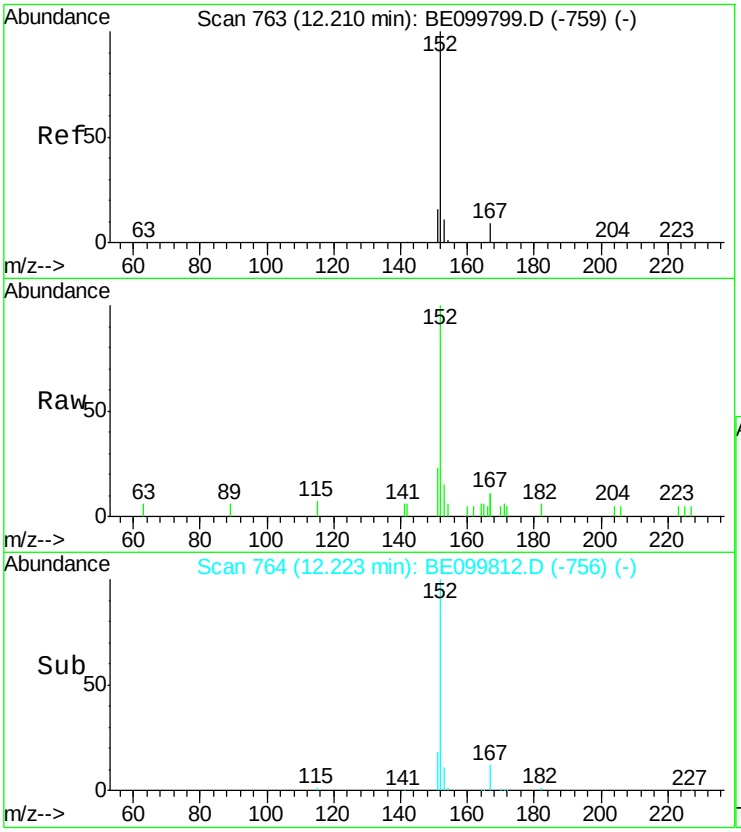


#10
Hexachlorobutadiene
Concen: 0.363 ng
RT: 10.93 min Scan# 674
Delta R.T. -0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion:225 Resp: 1097

Ion	Ratio	Lower	Upper
225	100		
223	64.0	48.6	72.8
227	64.3	51.6	77.4



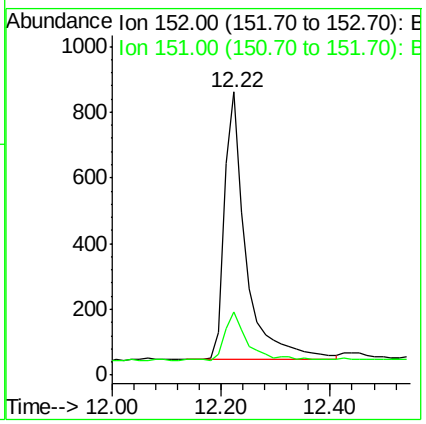


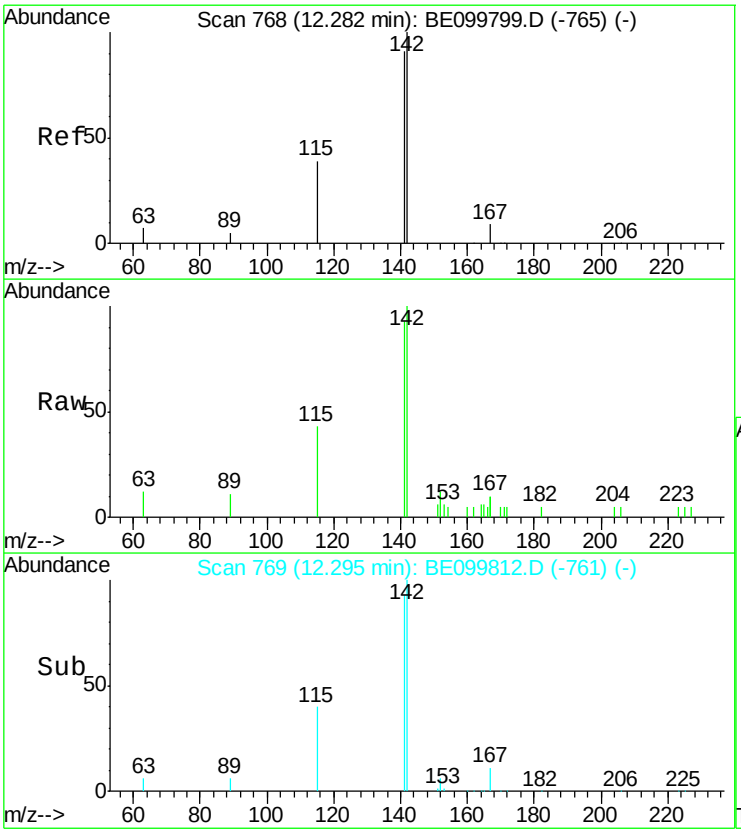
#11
2-Methylnaphthalene-d10
Concen: 0.354 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.01 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 2263

Ion	Ratio	Lower	Upper
152	100		
151	17.7	15.8	23.8

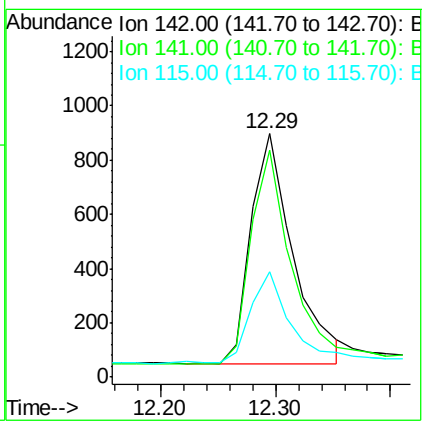


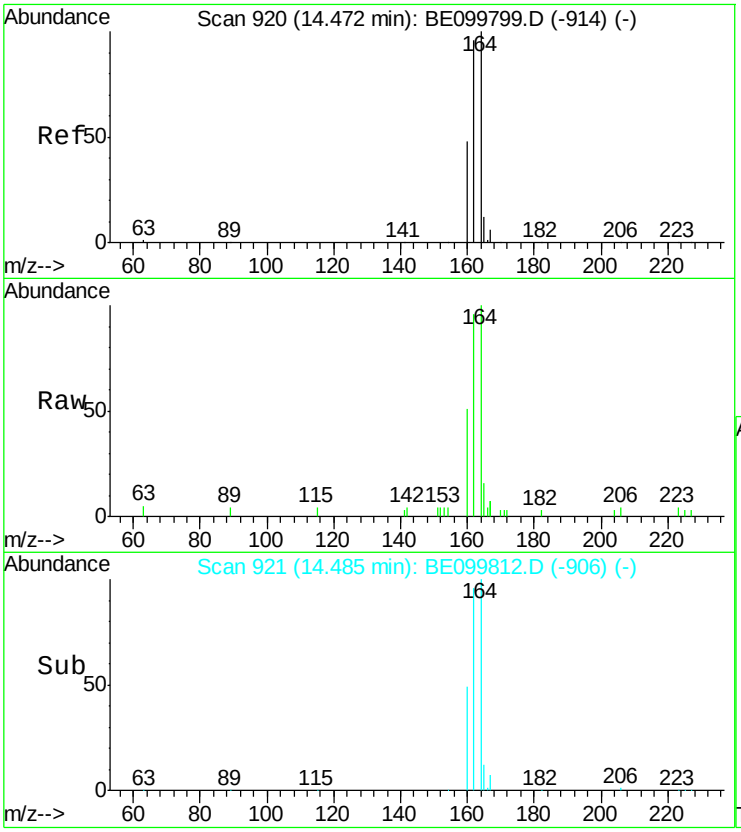


#12
2-Methylnaphthalene
Concen: 0.337 ng
RT: 12.29 min Scan# 769
Delta R.T. 0.01 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion:142 Resp: 2134

Ion	Ratio	Lower	Upper
142	100		
141	93.0	73.3	109.9
115	43.2	33.4	50.2



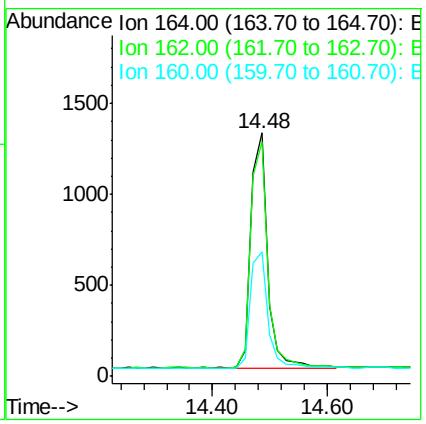


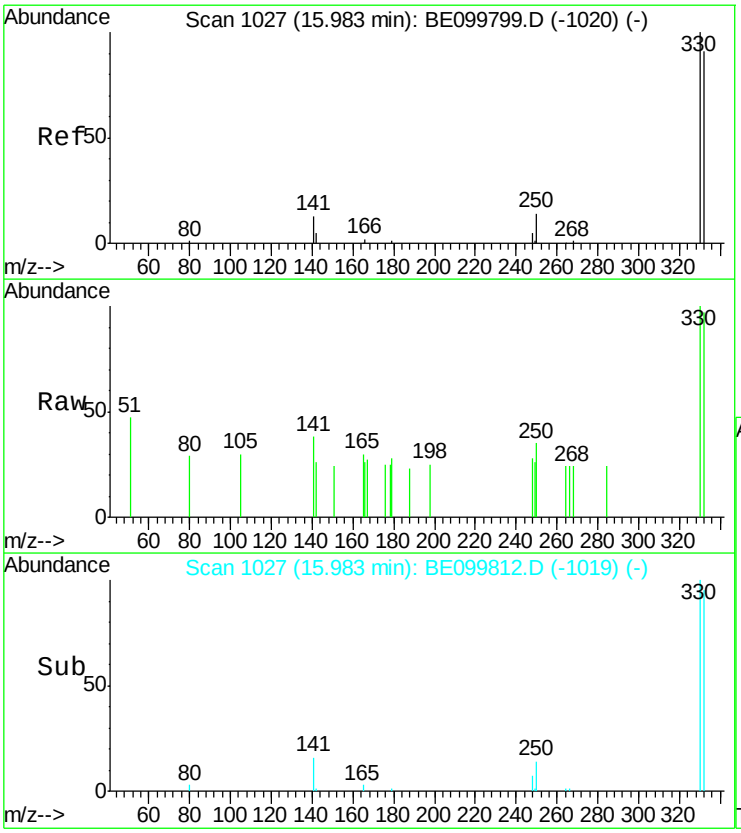
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. 0.01 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 2624

Ion	Ratio	Lower	Upper
164	100		
162	96.2	77.2	115.8
160	51.2	39.4	59.2

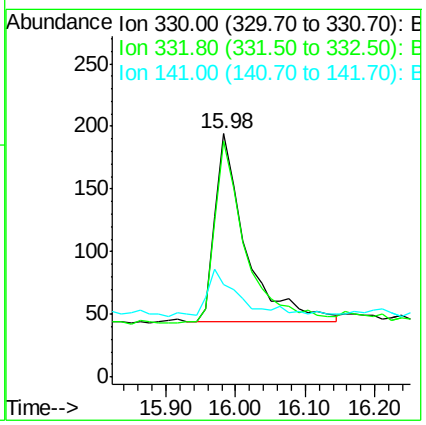


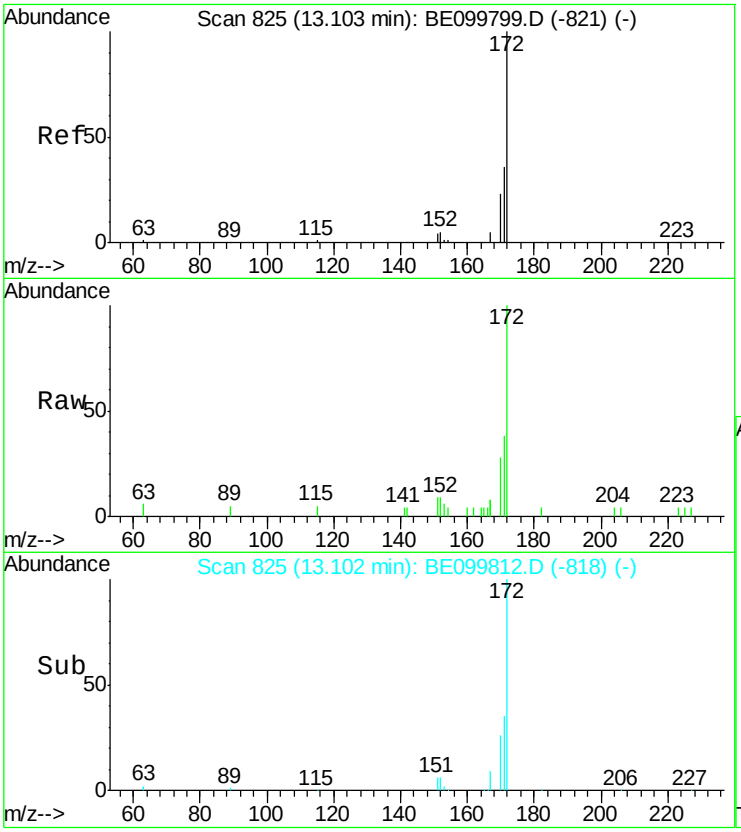


#14
2,4,6-Tribromophenol
Concen: 0.367 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion:330 Resp: 463

Ion	Ratio	Lower	Upper
330	100		
332	96.1	74.9	112.3
141	23.3	16.0	24.0



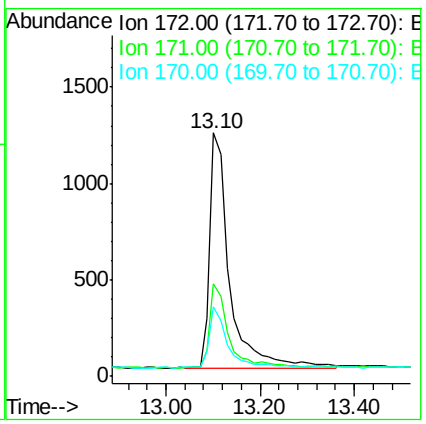


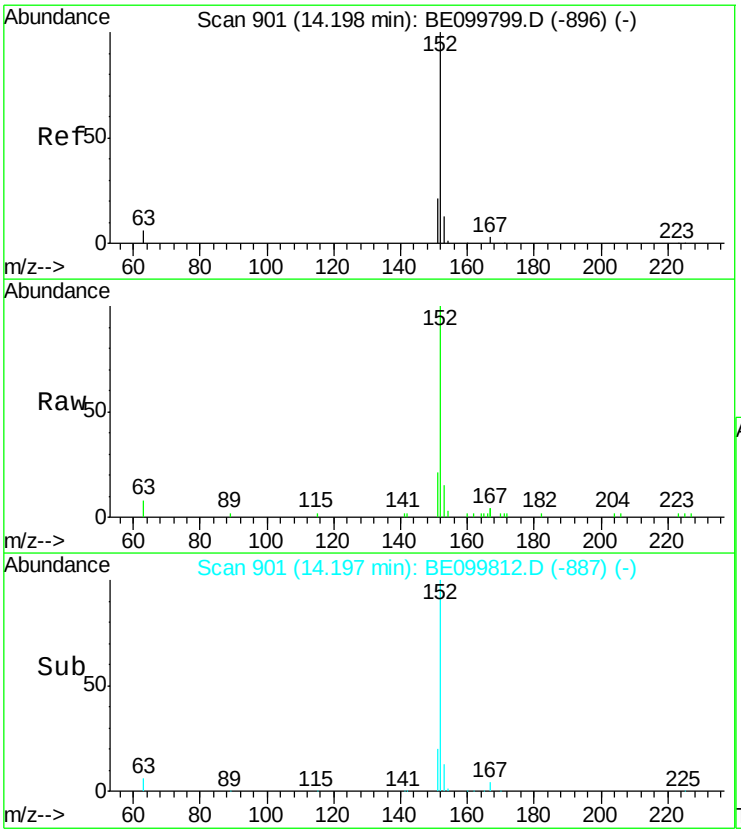
#15
2-Fluorobiphenyl
Concen: 0.361 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 3521

Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.2	45.4
170	28.4	20.1	30.1

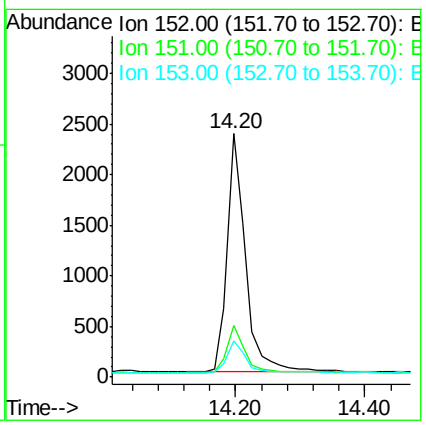


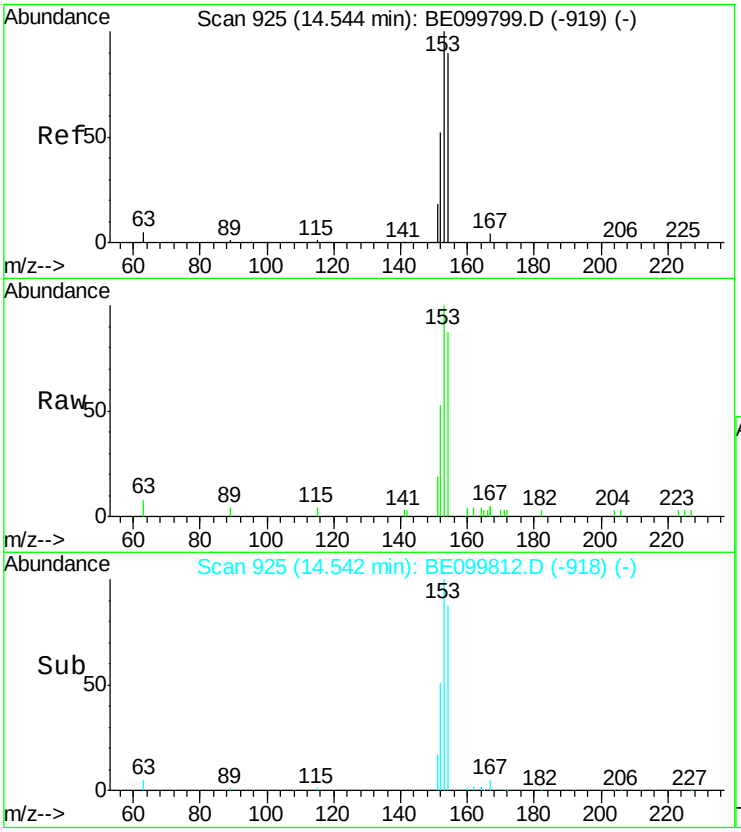


#16
Acenaphthylene
Concen: 0.368 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion:152 Resp: 4653

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.9	23.9
153	13.3	10.8	16.2



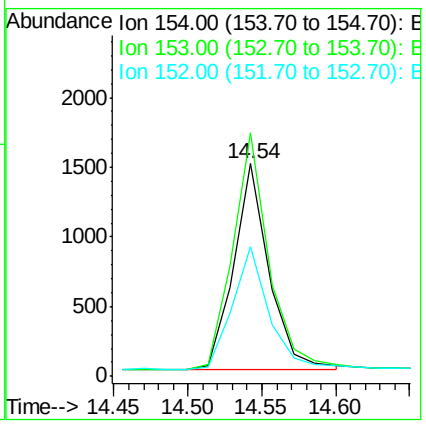


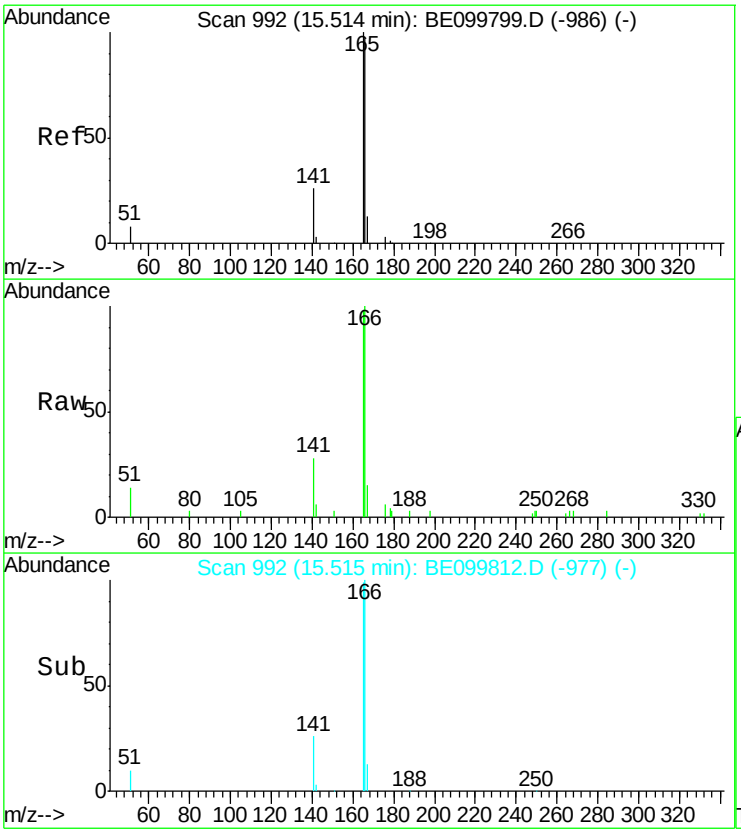
#17
Acenaphthene
Concen: 0.356 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 2469

Ion	Ratio	Lower	Upper
154	100		
153	117.5	93.8	140.6
152	61.7	48.3	72.5

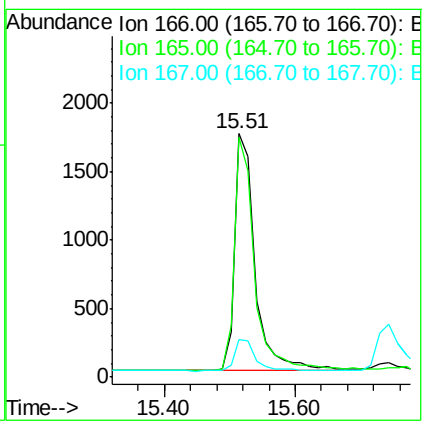


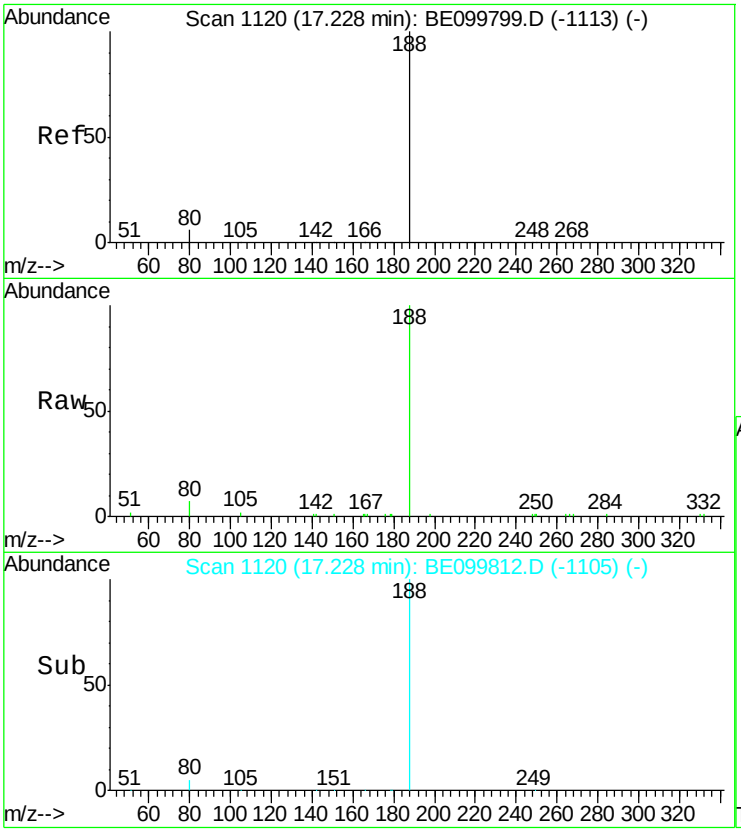


#18
Fluorene
Concen: 0.370 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion:166 Resp: 3776

Ion	Ratio	Lower	Upper
166	100		
165	96.6	80.4	120.6
167	14.1	10.7	16.1



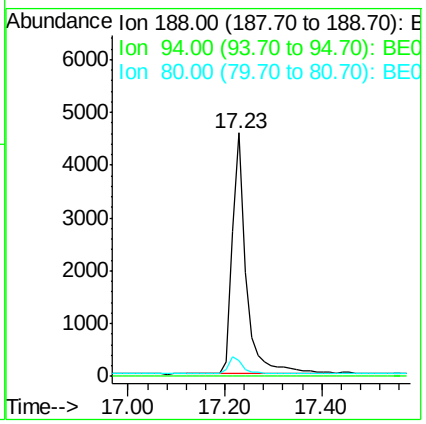


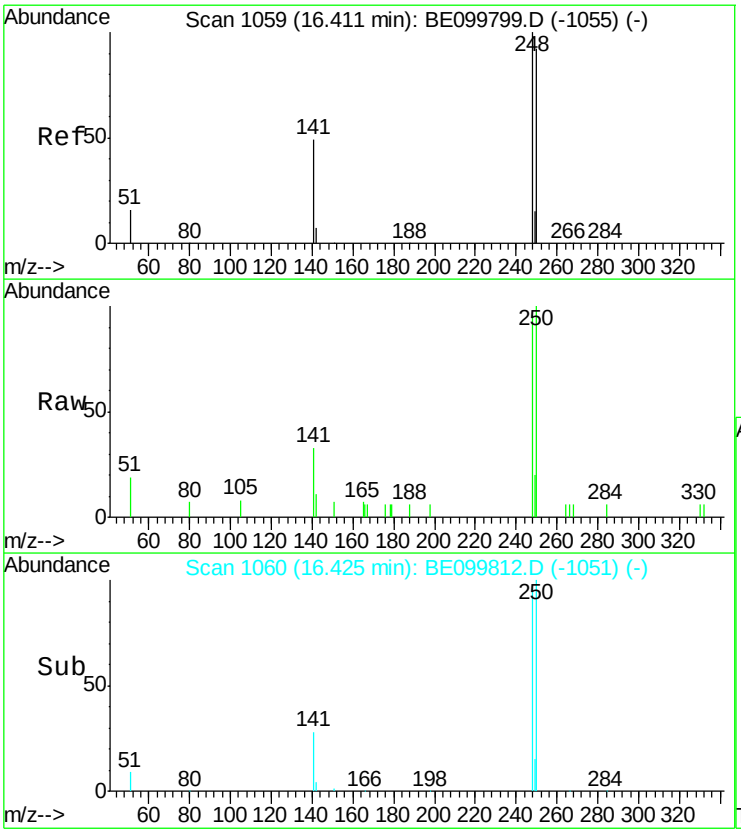
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 9251

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.6	5.2	7.8

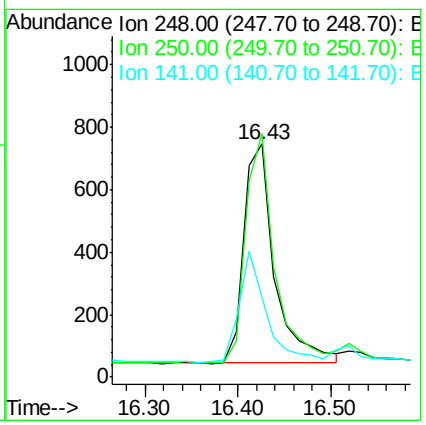


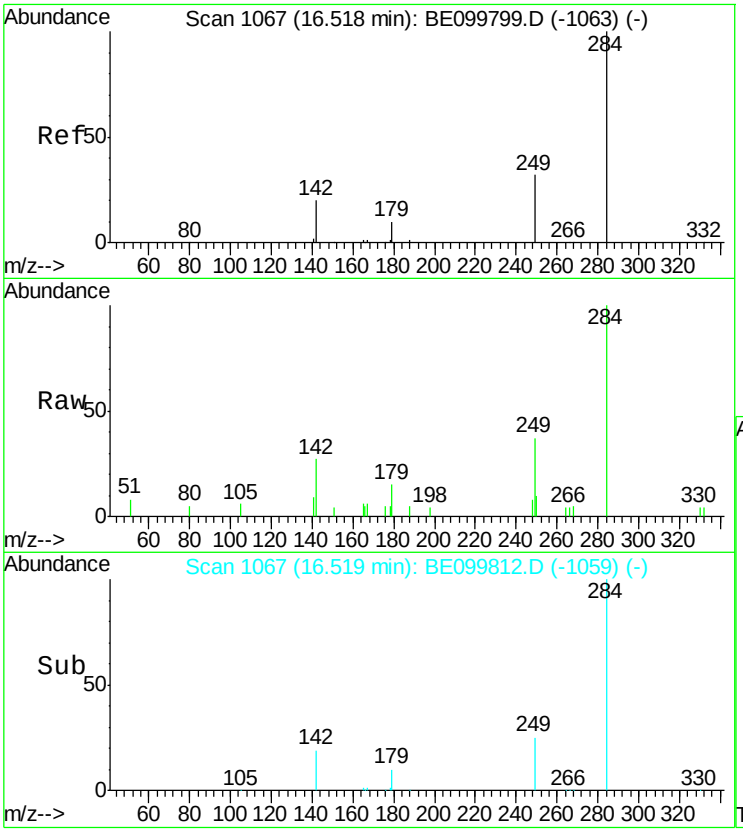


#20
4-Bromophenyl-phenylether
Concen: 0.314 ng
RT: 16.43 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion:248 Resp: 1622

Ion	Ratio	Lower	Upper
248	100		
250	104.4	73.7	110.5
141	34.2	40.9	61.3#



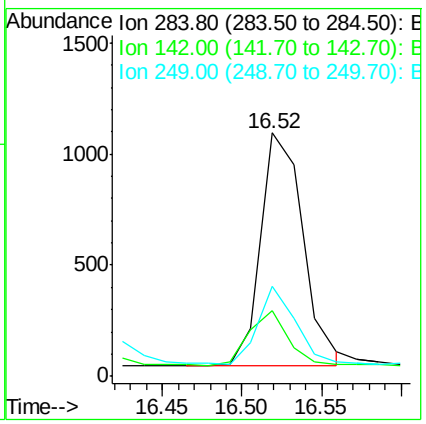


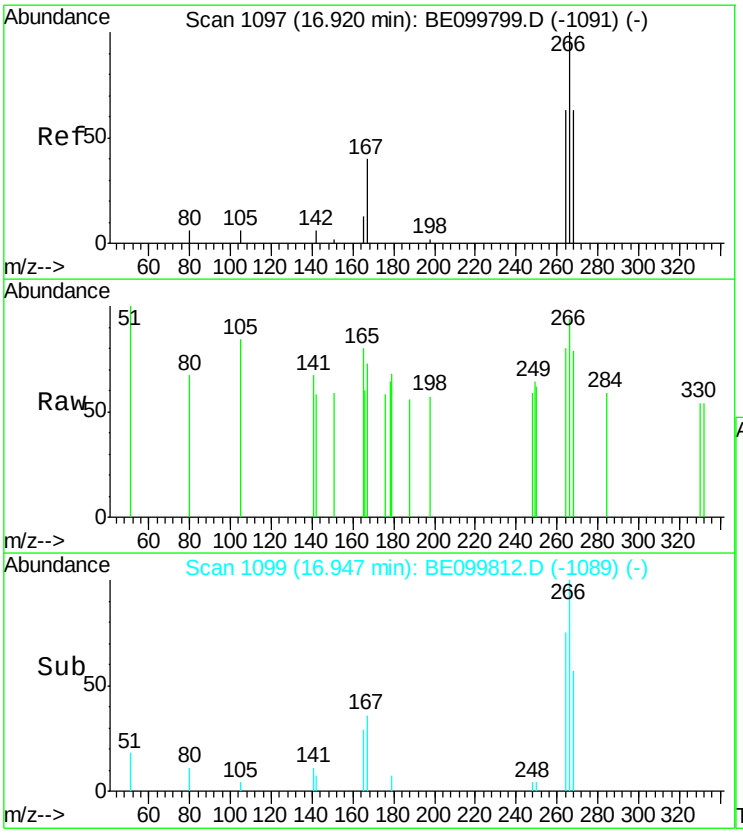
#21
Hexachlorobenzene
Concen: 0.343 ng
RT: 16.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 1940

Ion	Ratio	Lower	Upper
284	100		
142	21.6	16.2	24.4
249	28.5	23.1	34.7

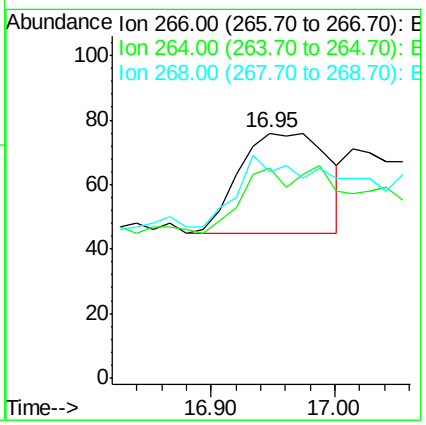


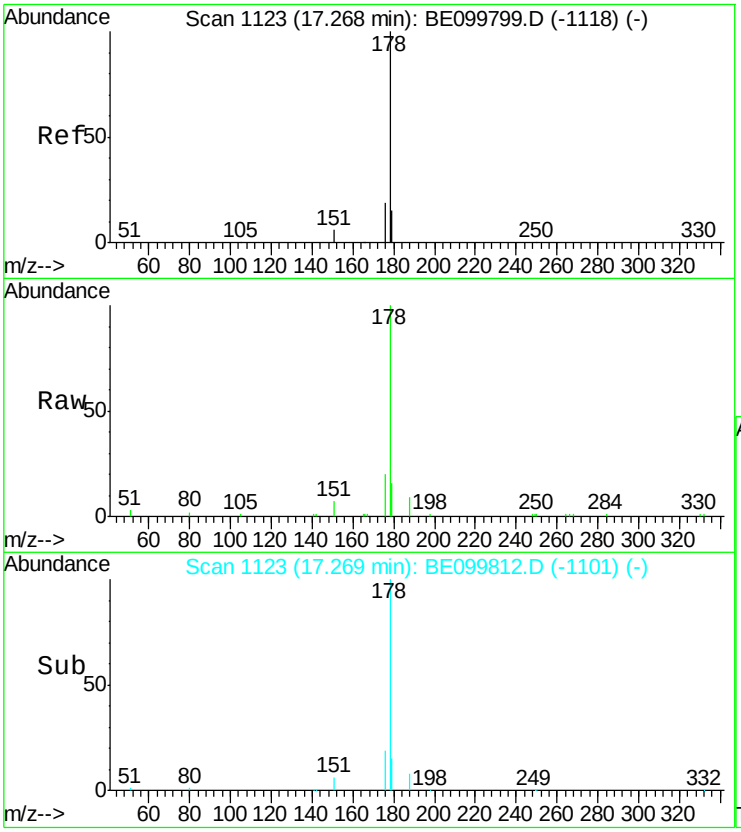


#22
Pentachlorophenol
Concen: 0.363 ng
RT: 16.95 min Scan# 1099
Delta R.T. 0.03 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion:266 Resp: 154

Ion	Ratio	Lower	Upper
266	100		
264	85.5	64.9	97.3
268	84.2	64.0	96.0



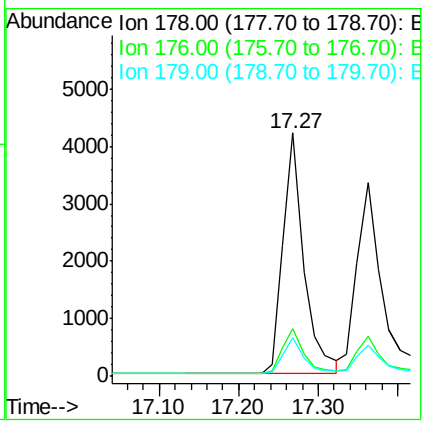


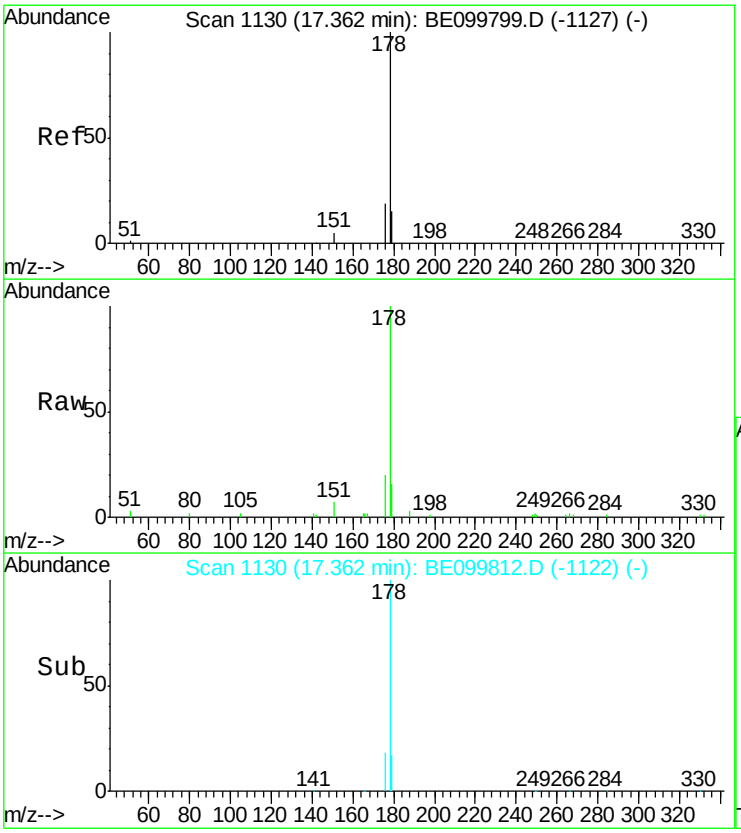
#23
Phenanthrene
Concen: 0.347 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 7663

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.1	12.5	18.7

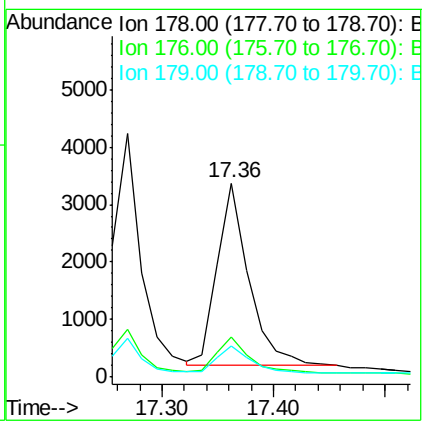


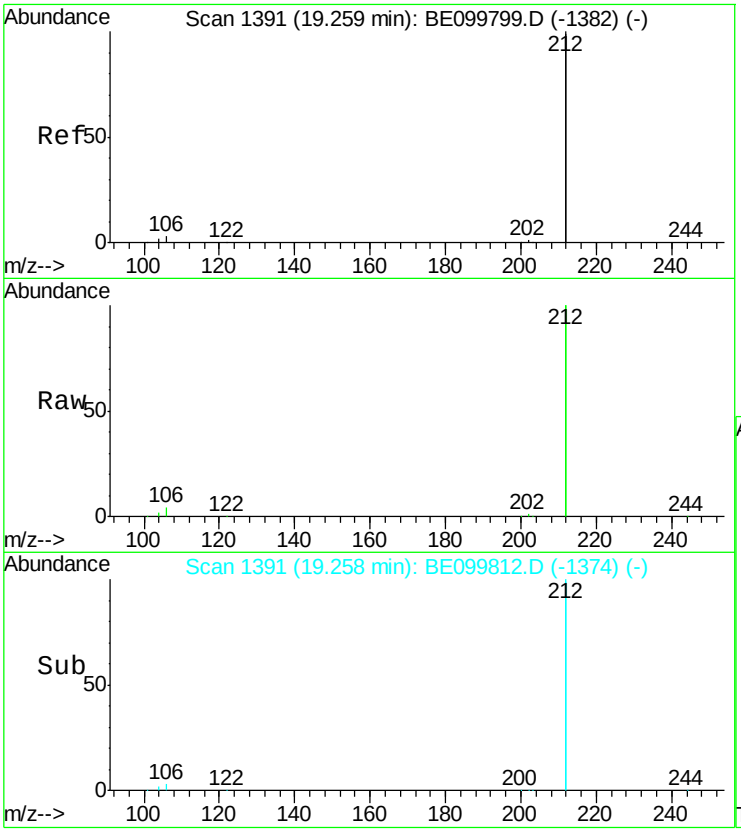


#24
Anthracene
Concen: 0.318 ng
RT: 17.36 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion:178 Resp: 6345

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.1	12.1	18.1



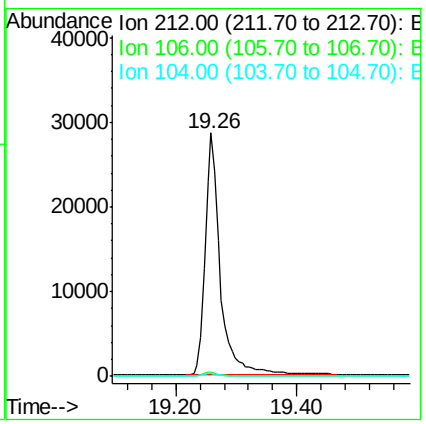


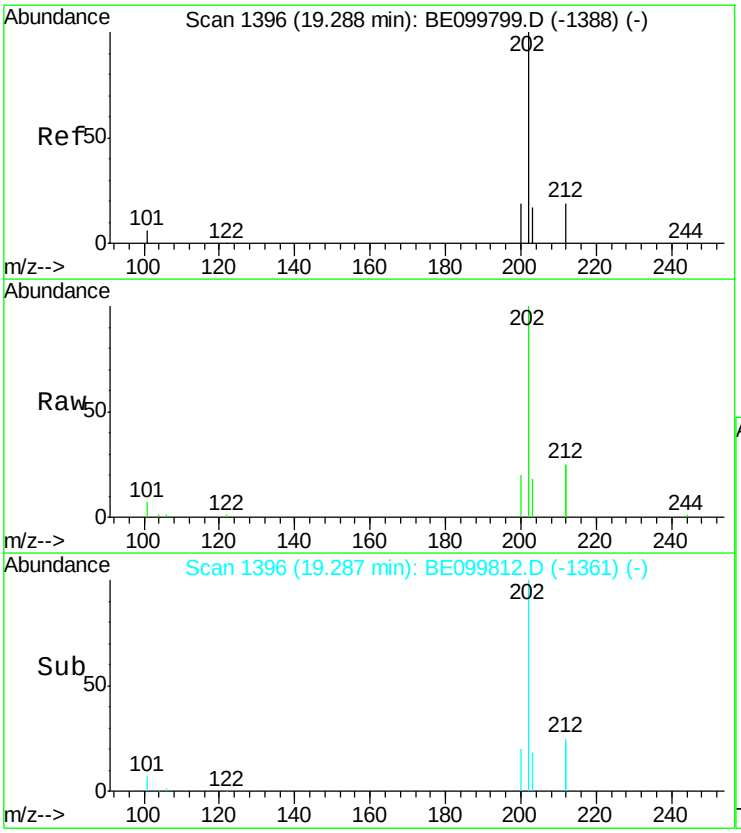
#25
Fluoranthene-d10
Concen: 0.362 ng
RT: 19.26 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 49745

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.0
104	1.0	0.8	1.2

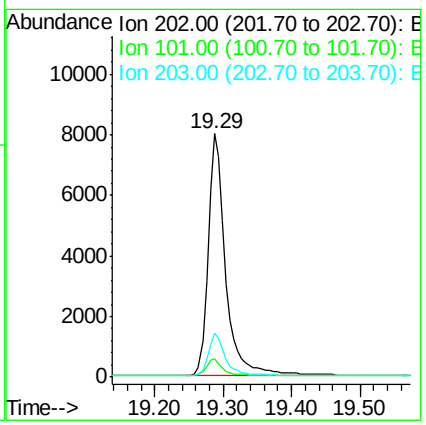


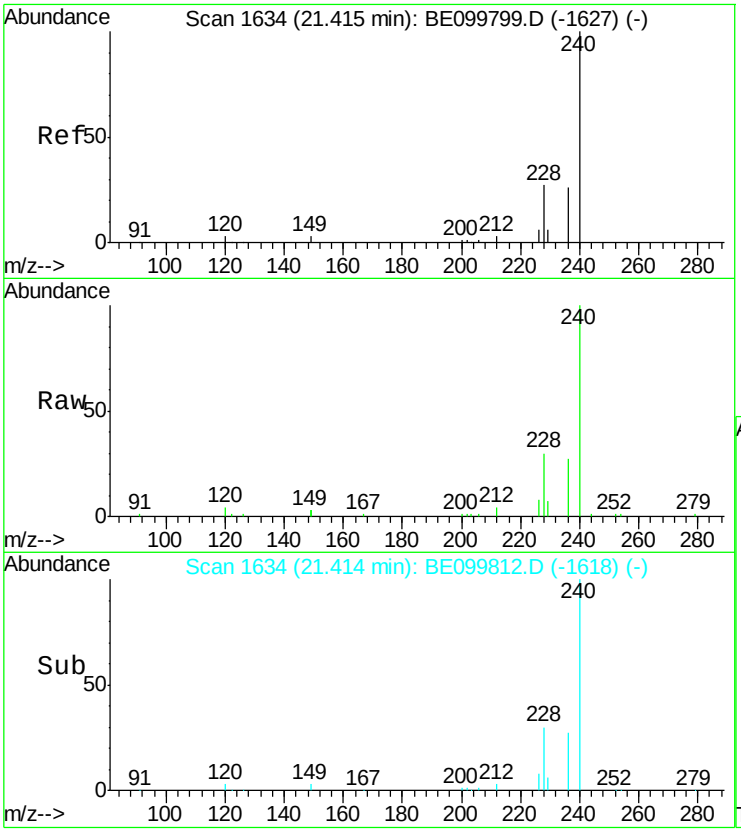


#26
Fluoranthene
Concen: 0.368 ng
RT: 19.29 min Scan# 1396
Delta R.T. -0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion:202 Resp: 14249

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.2	7.8
203	16.8	13.6	20.4



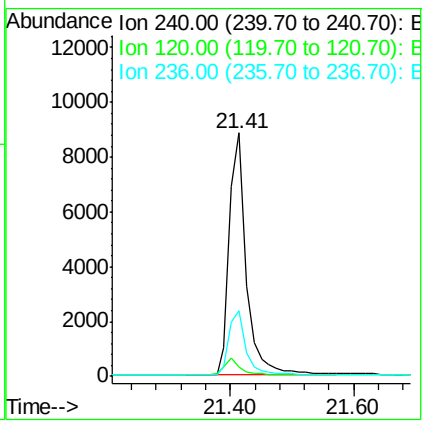


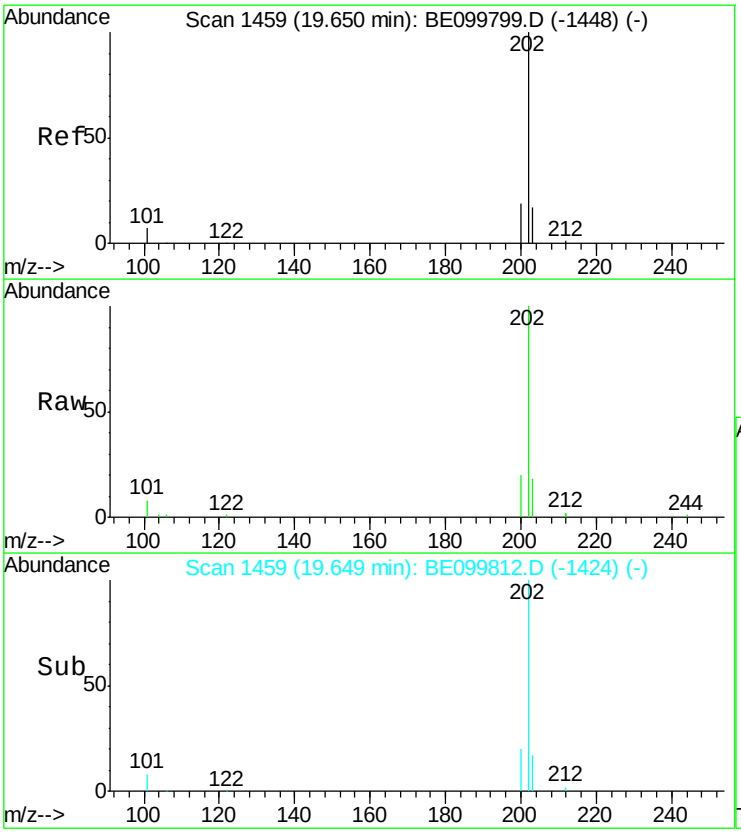
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 16832

Ion	Ratio	Lower	Upper
240	100		
120	3.9	2.8	4.2
236	27.2	20.9	31.3

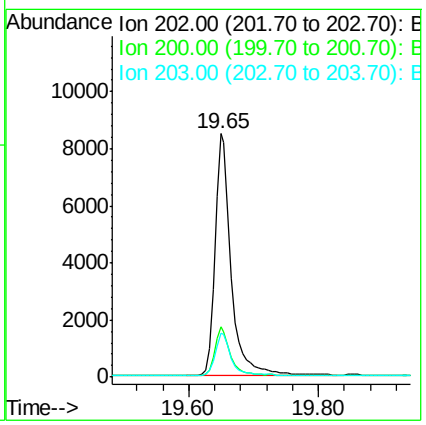


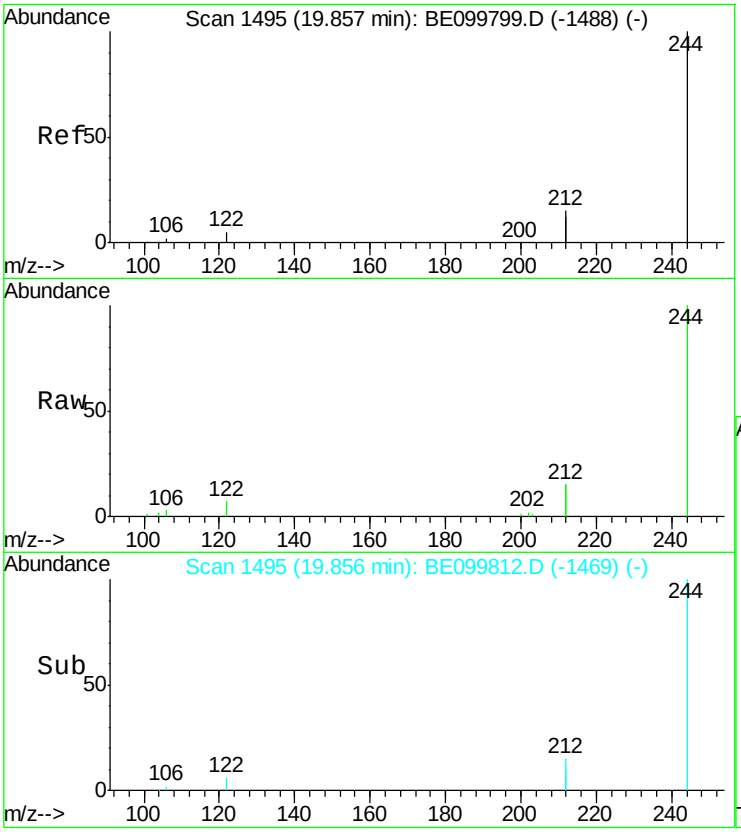


#28
Pyrene
Concen: 0.368 ng
RT: 19.65 min Scan# 1459
Delta R.T. -0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion:202 Resp: 14949

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.6	23.4
203	17.1	14.1	21.1



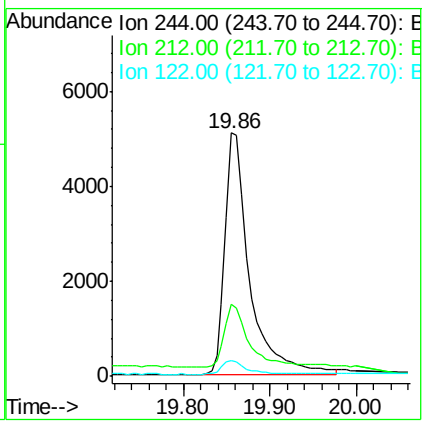


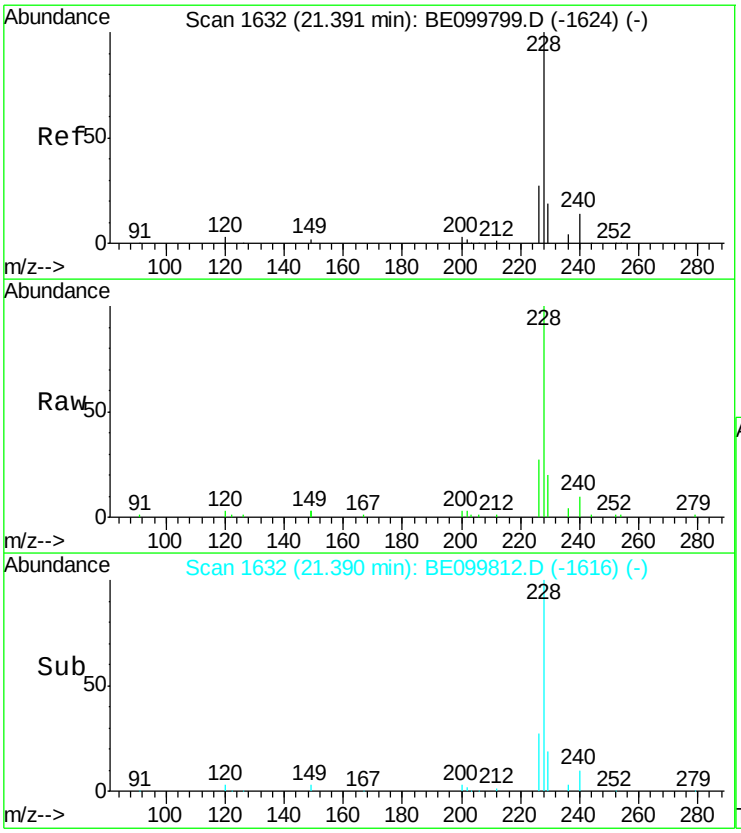
#29
Terphenyl-d14
Concen: 0.361 ng
RT: 19.86 min Scan# 1495
Delta R.T. -0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 9967

Ion	Ratio	Lower	Upper
244	100		
212	29.5	23.7	35.5
122	6.6	4.8	7.2

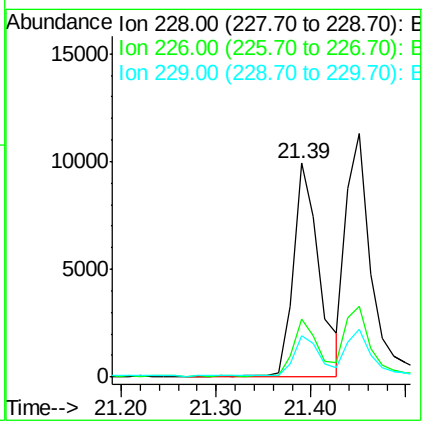


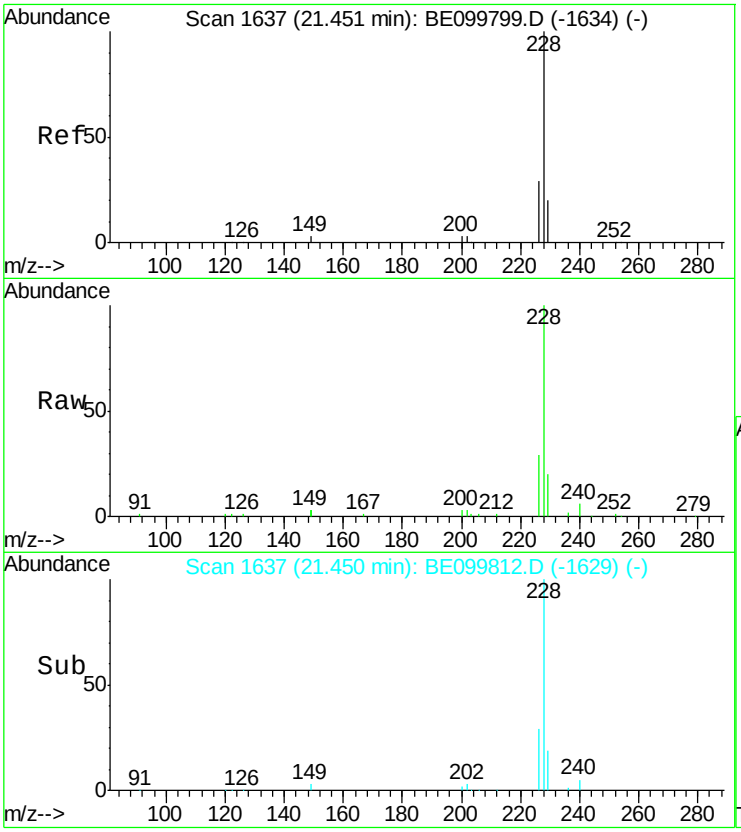


#30
Benzo(a)anthracene
Concen: 0.396 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion:228 Resp: 18399

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.6	32.4
229	19.5	15.8	23.6



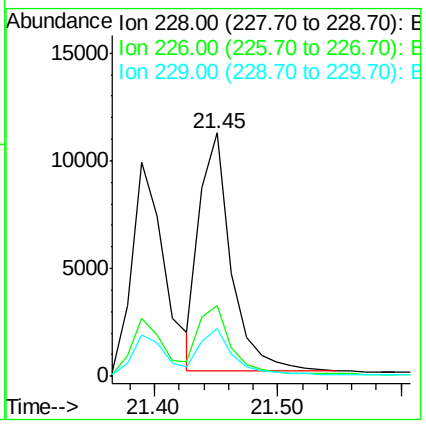


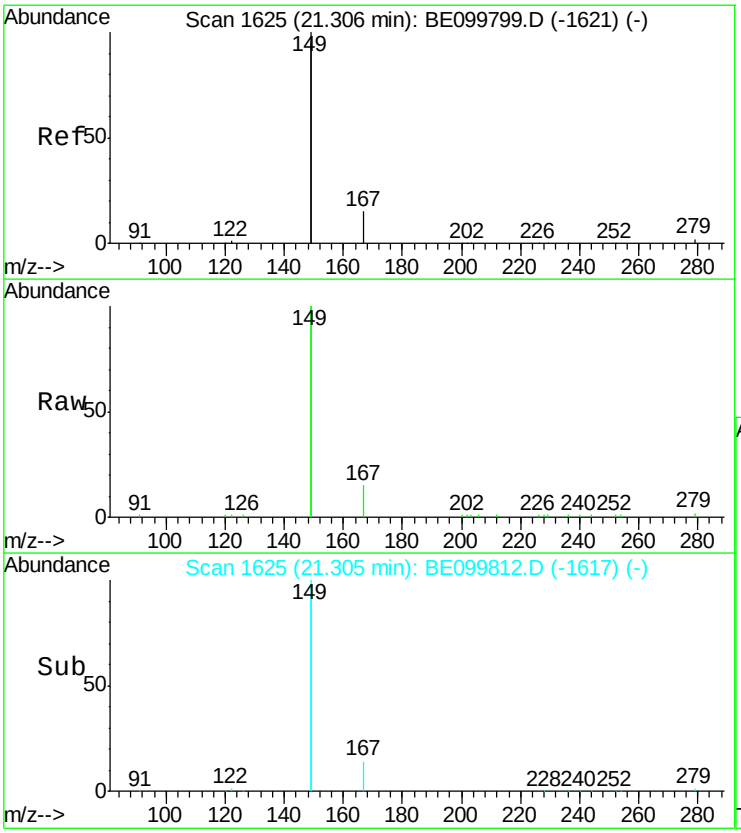
#31
Chrysene
Concen: 0.382 ng
RT: 21.45 min Scan# 1637
Delta R.T. -0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 19626

Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.9	34.3
229	19.8	16.4	24.6

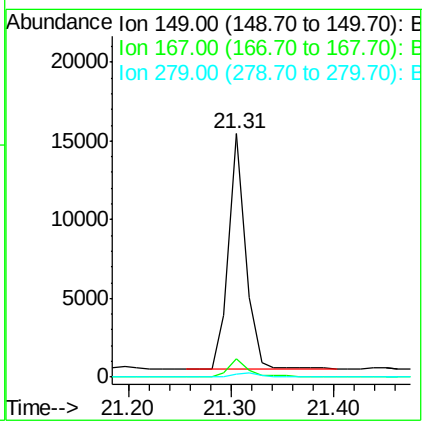


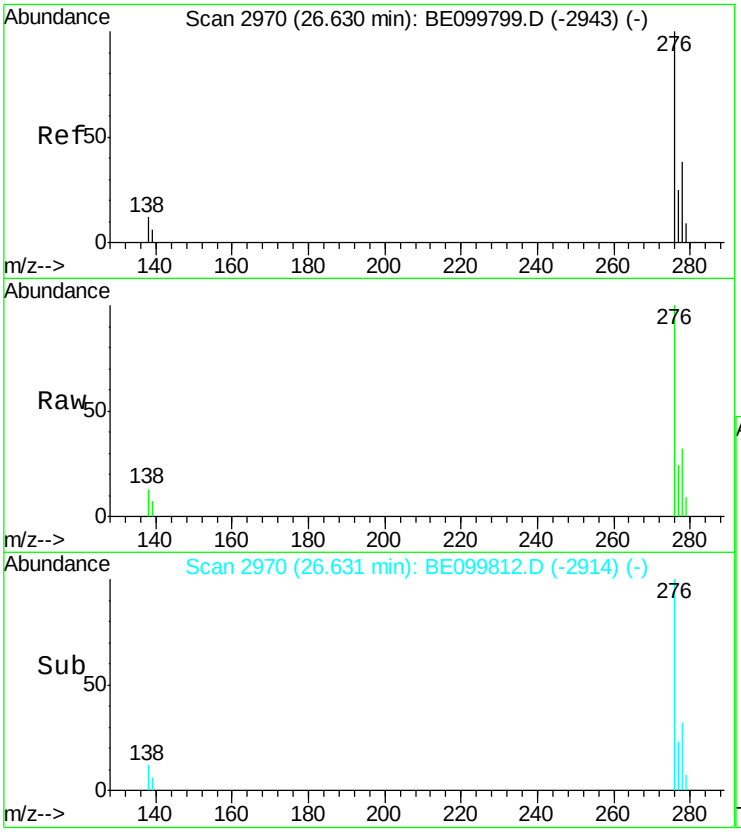


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.328 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion:149 Resp: 17506

Ion	Ratio	Lower	Upper
149	100		
167	7.4	6.0	9.0
279	1.6	1.2	1.8



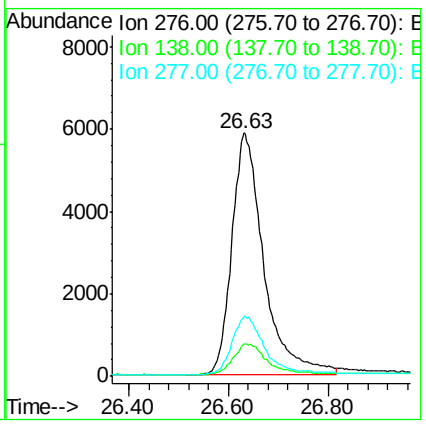


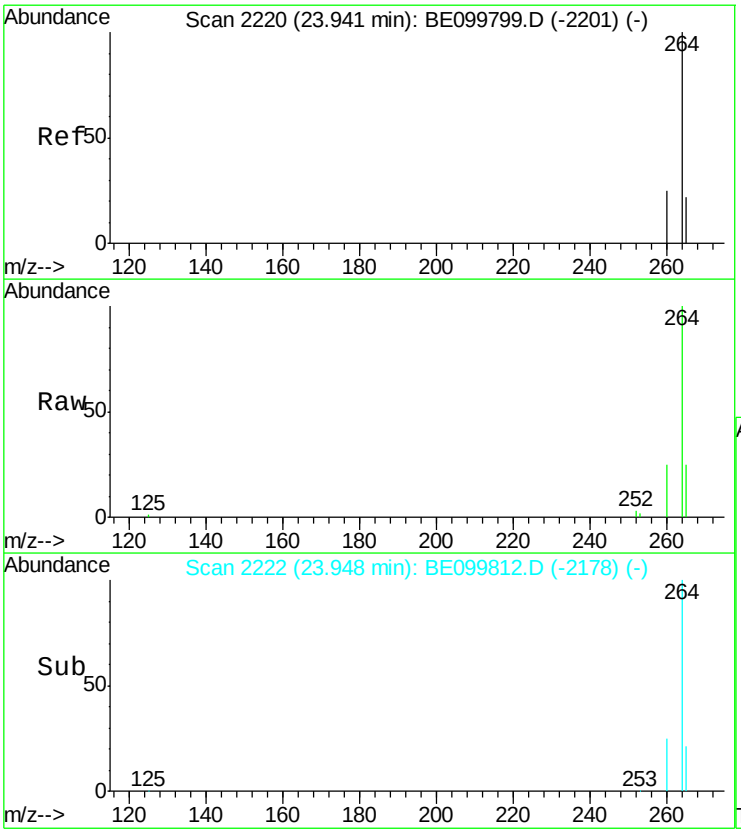
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.423 ng
RT: 26.63 min Scan# 2970
Delta R.T. 0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 26022

Ion	Ratio	Lower	Upper
276	100		
138	12.8	10.3	15.5
277	23.8	19.4	29.2

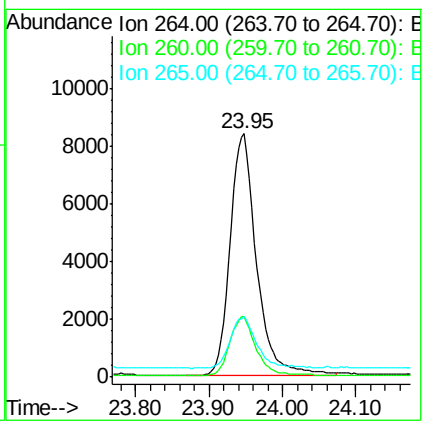


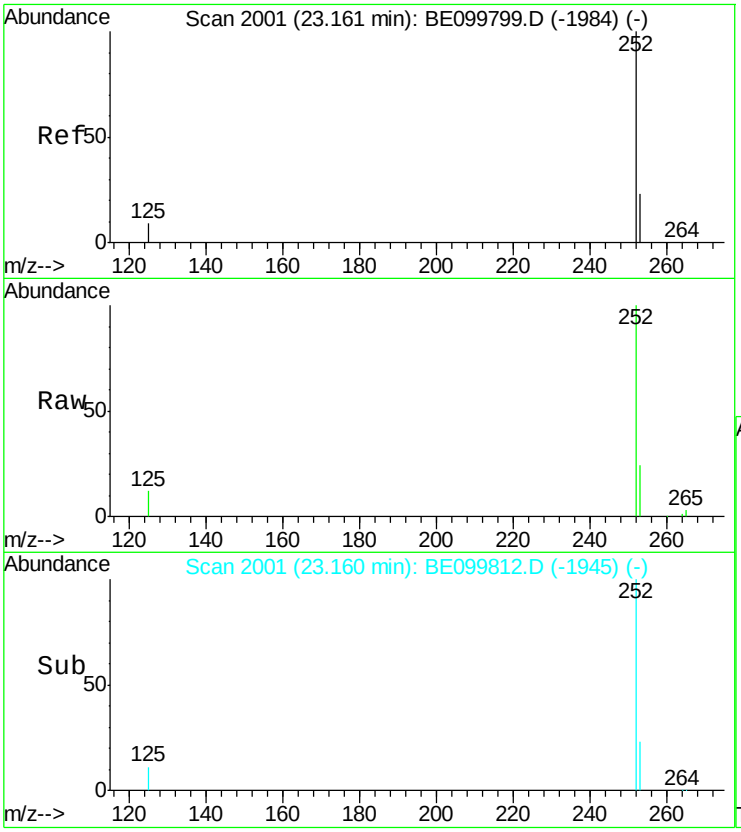


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.95 min Scan# 2222
Delta R.T. 0.01 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion:264 Resp: 21110

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.0	30.0
265	25.1	20.7	31.1



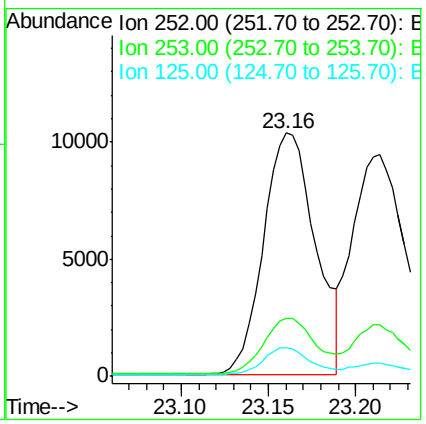


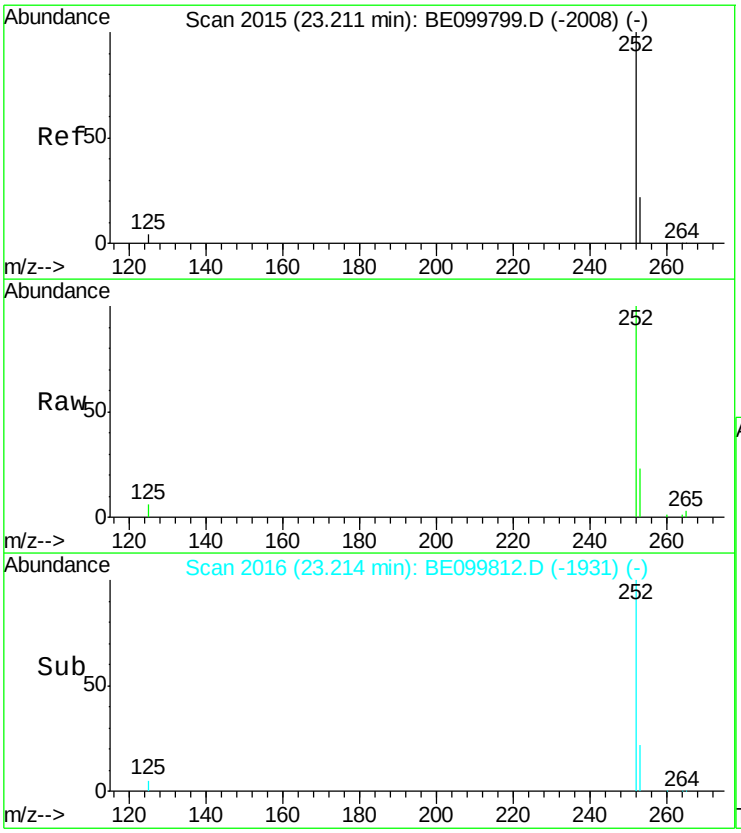
#35
Benzo(b)fluoranthene
Concen: 0.365 ng
RT: 23.16 min Scan# 2001
Delta R.T. -0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 21352

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.9	28.3
125	11.5	7.6	11.4#

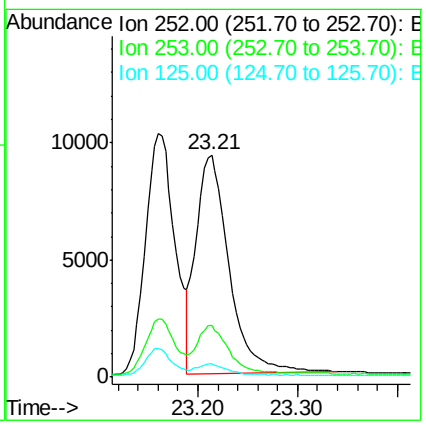


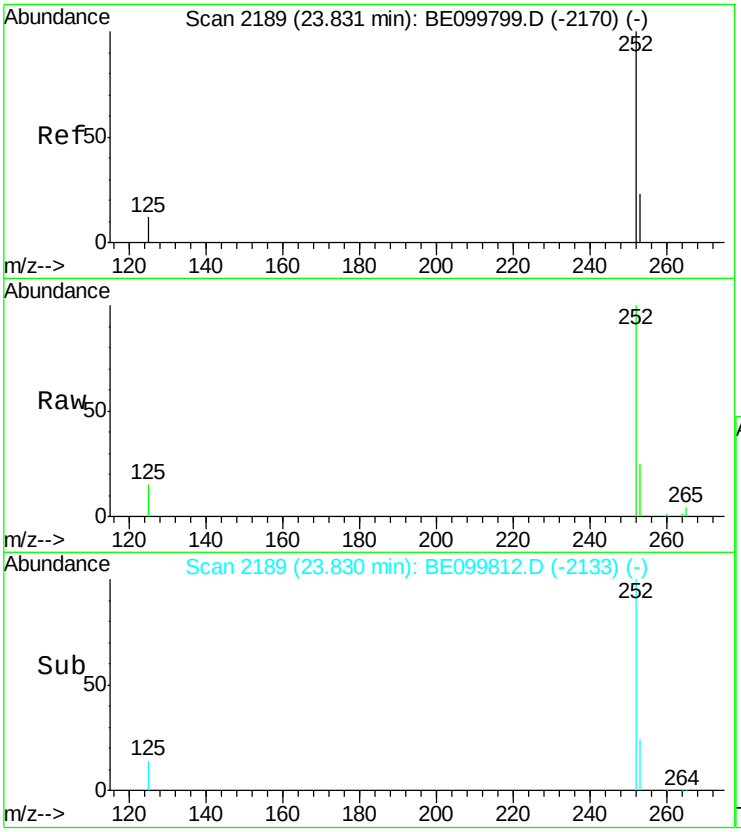


#36
Benzo(k)fluoranthene
Concen: 0.347 ng
RT: 23.21 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion:252 Resp: 21532

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	5.8	4.6	7.0



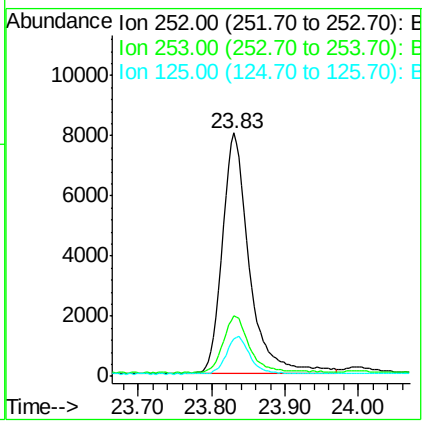


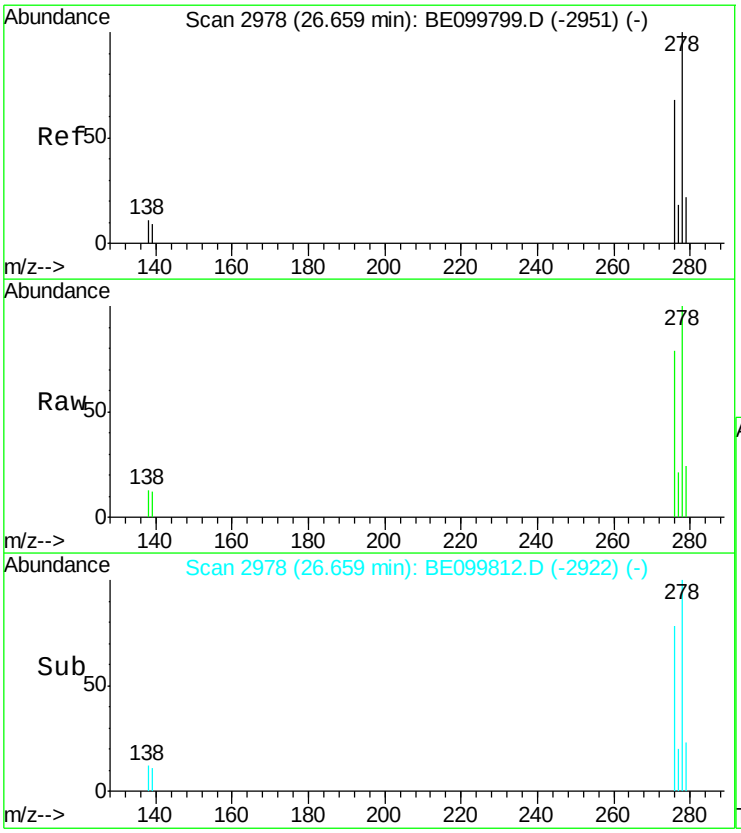
#37
Benzo(a)pyrene
Concen: 0.365 ng
RT: 23.83 min Scan# 2189
Delta R.T. -0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 20671

Ion	Ratio	Lower	Upper
252	100		
253	24.8	19.3	28.9
125	15.2	10.2	15.4

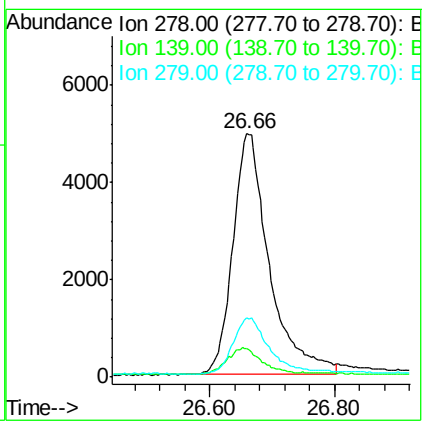


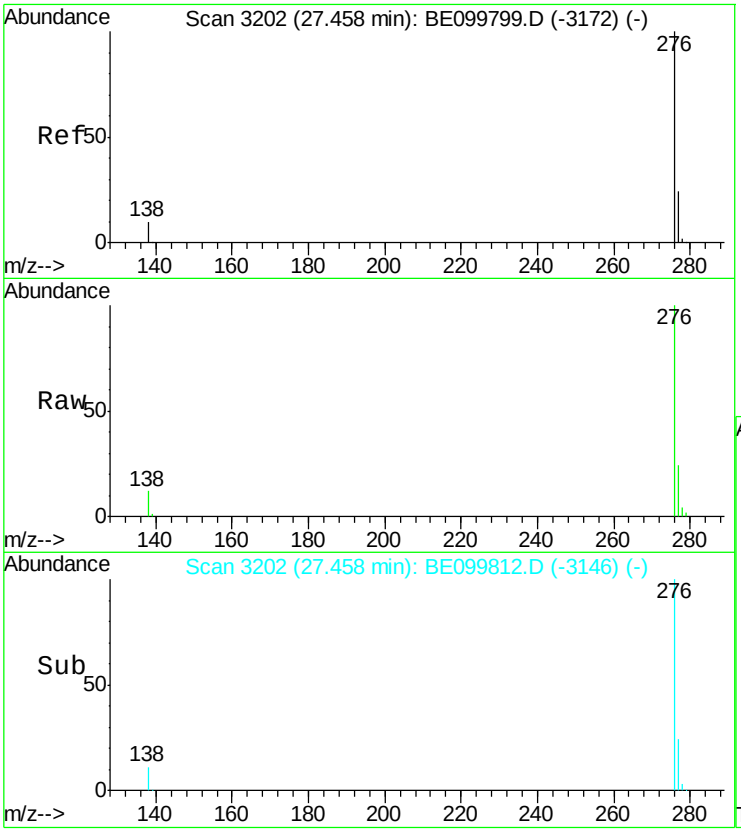


#38
Dibenzo(a,h)anthracene
Concen: 0.351 ng
RT: 26.66 min Scan# 2978
Delta R.T. 0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Tgt Ion:278 Resp: 20236

Ion	Ratio	Lower	Upper
278	100		
139	11.7	7.9	11.9
279	24.1	18.5	27.7





#39
Benzo(g,h,i)perylene
Concen: 0.356 ng
RT: 27.46 min Scan# 3202
Delta R.T. 0.00 min
Lab File: BE099812.D
Acq: 5 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 21530

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.6	29.4
138	12.1	9.0	13.4