Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052019\
Data File : BE099670.D
Acq On : 20 May 2019 21:07
Operator : JU/SJ
Sample : PB119824BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB119824BSD

Quant Time: May 21 07:02:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 19:29:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1732	0.40	ng		0.00
7) Naphthalene-d8	10.61	136	5729	0.40	ng		0.00
13) Acenaphthene-d10	14.49	164	3551	0.40	ng		0.00
19) Phenanthrene-d10	17.23	188	9683	0.40	ng		0.00
27) Chrysene-d12	21.41	240	15008	0.40	ng		0.00
34) Perylene-d12	23.96	264	18137	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	1576	0.36	ng		0.01
5) Phenol-d6	6.98	99	1938	0.33	ng		0.00
8) Nitrobenzene-d5	8.98	82	1795	0.36	ng		0.00
11) 2-Methylnaphthalene-d10	12.22	152	3791m	0.38	ng		0.00
14) 2,4,6-Tribromophenol	15.98	330	454	0.30	ng		0.00
15) 2-Fluorobiphenyl	13.10	172	5402	0.40	ng		0.00
25) Fluoranthene-d10	19.26	212	47442	0.36	ng		0.00
29) Terphenyl-d14	19.87	244	10608	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	701	0.273	ng	#	43
3) n-Nitrosodimethylamine	3.64	42	440	0.311	ng	#	67
6) bis(2-Chloroethyl)ether	7.24	93	1730	0.336	ng		100
9) Naphthalene	10.67	128	22791	0.372	ng		100
10) Hexachlorobutadiene	10.94	225	1633	0.362	ng		99
12) 2-Methylnaphthalene	12.30	142	3551	0.356	ng		98
16) Acenaphthylene	14.21	152	5823	0.352	ng		99
17) Acenaphthene	14.54	154	3349	0.361	ng		97
18) Fluorene	15.53	166	4687	0.343	ng		98
20) 4-Bromophenyl-phenylether	16.42	248	1973	0.353	ng	#	93
21) Hexachlorobenzene	16.53	284	2197	0.385	ng		98
22) Pentachlorophenol	16.96	266	463m	0.443	ng		
23) Phenanthrene	17.27	178	8515	0.360	ng		98
24) Anthracene	17.36	178	7098	0.331	ng		99
26) Fluoranthene	19.29	202	12980	0.347	ng		100
28) Pyrene	19.66	202	13357	0.354	ng		99
30) Benzo(a)anthracene	21.40	228	16807	0.394	ng		100
31) Chrysene	21.45	228	18935	0.415	ng		99
32) Bis(2-ethylhexyl)phthalate	21.32	149	15361	0.313	ng		99
33) Indeno(1,2,3-cd)pyrene	26.65	276	22874	0.416	ng		99
35) Benzo(b)fluoranthene	23.17	252	18976m	0.382	ng		
36) Benzo(k)fluoranthene	23.23	252	20800	0.401	ng		100
37) Benzo(a)pyrene	23.84	252	18688	0.391	ng		98
38) Dibenzo(a,h)anthracene	26.68	278	18982	0.378	ng		98
39) Benzo(g,h,i)perylene	27.48	276	19991	0.394	ng		98

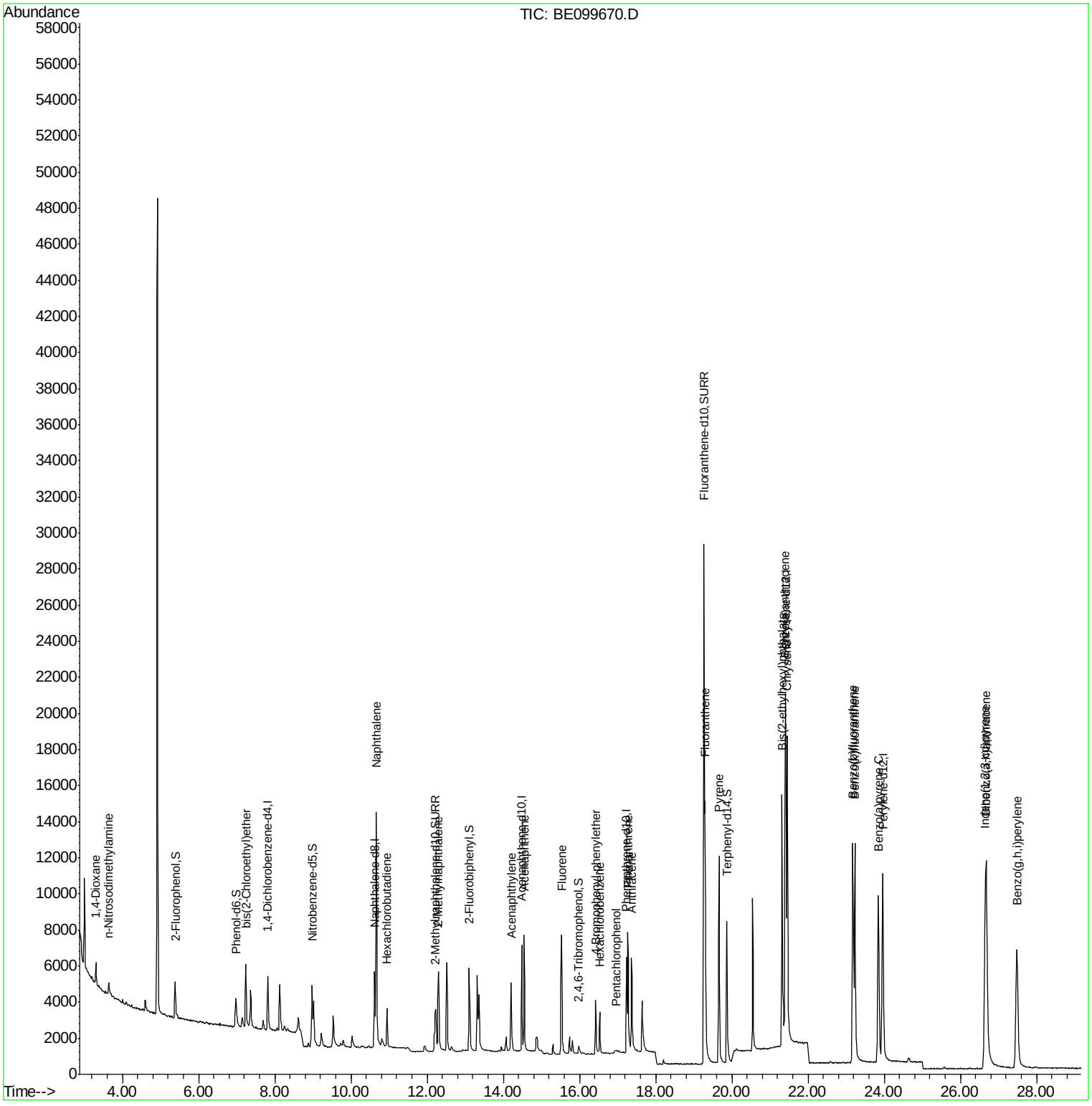
(#) = qualifier out of range (m) = manual integration (+) = signals summed

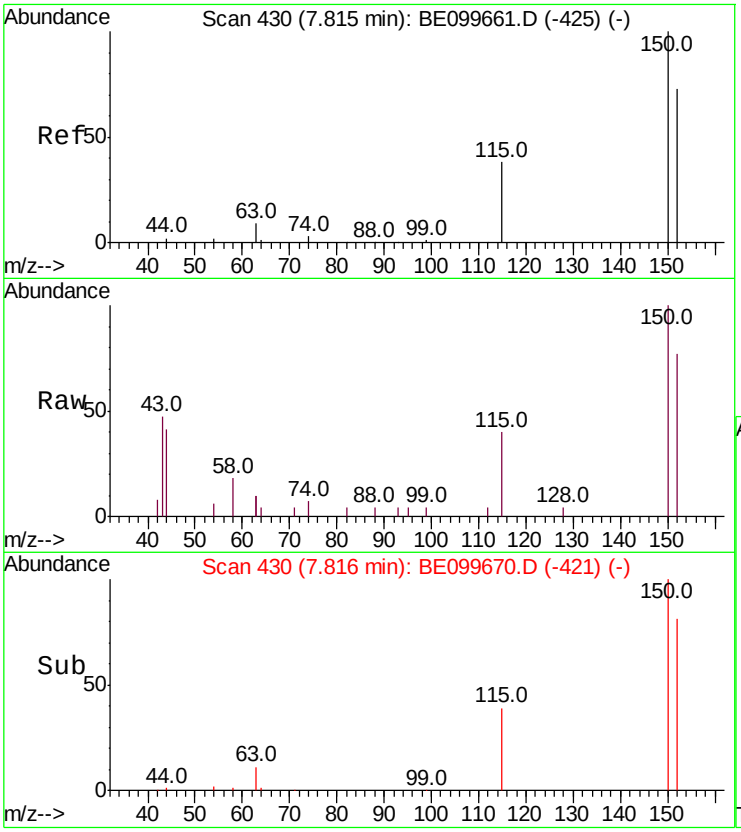
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052019\
Data File : BE099670.D
Acq On : 20 May 2019 21:07
Operator : JU/SJ
Sample : PB119824BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Quant Time: May 21 07:02:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 19:29:40 2019
Response via : Initial Calibration



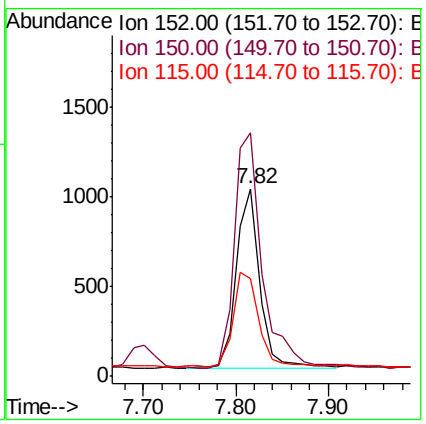


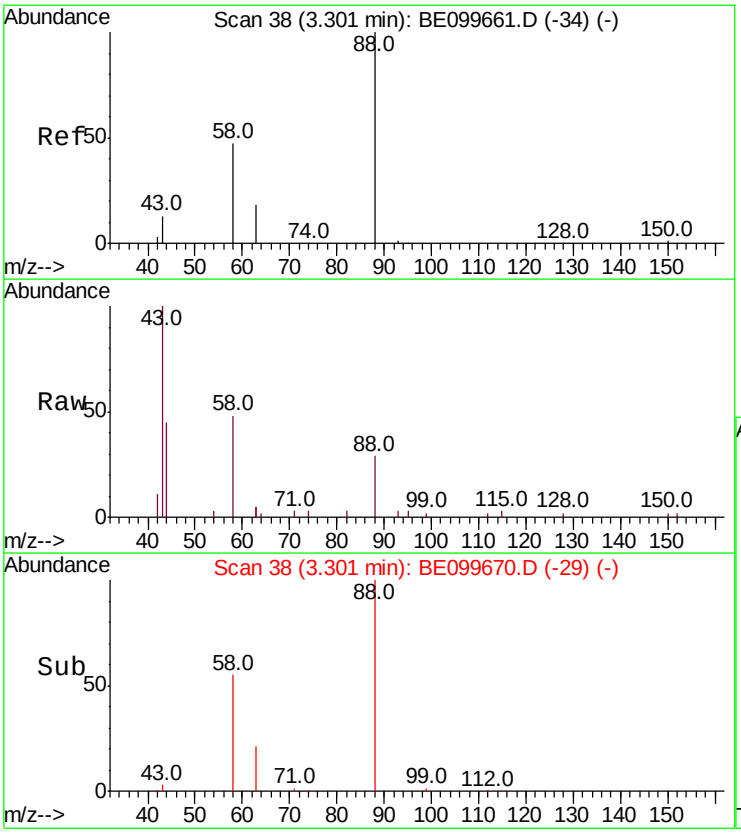
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:152 Resp: 1732

Ion	Ratio	Lower	Upper
152	100		
150	129.6	109.2	163.8
115	52.2	43.7	65.5

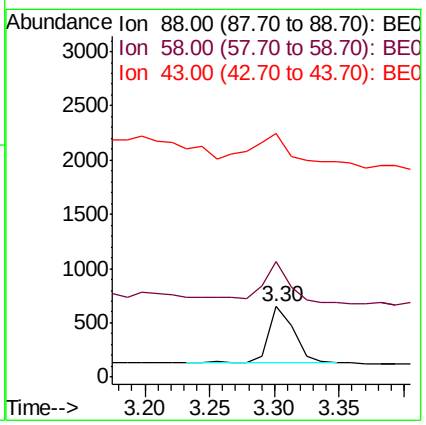


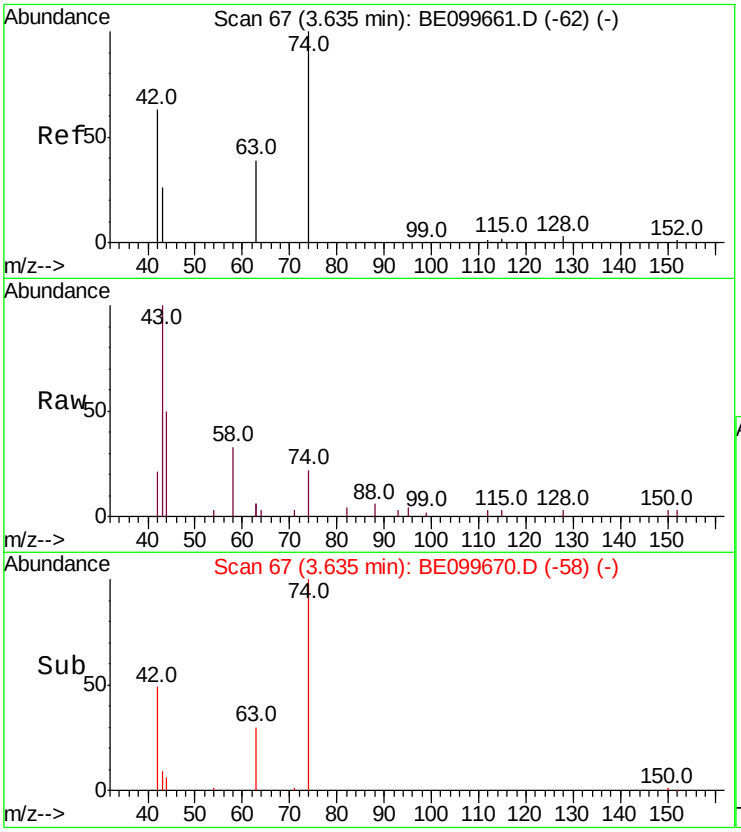


#2
1,4-Dioxane
Concen: 0.273 ng
RT: 3.30 min Scan# 38
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion: 88 Resp: 701

Ion	Ratio	Lower	Upper
88	100		
58	78.0	41.8	62.8#
43	70.0	15.0	22.4#



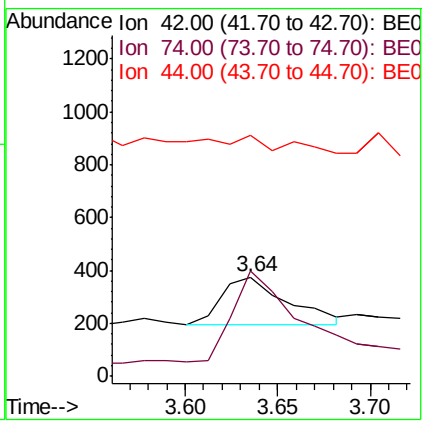


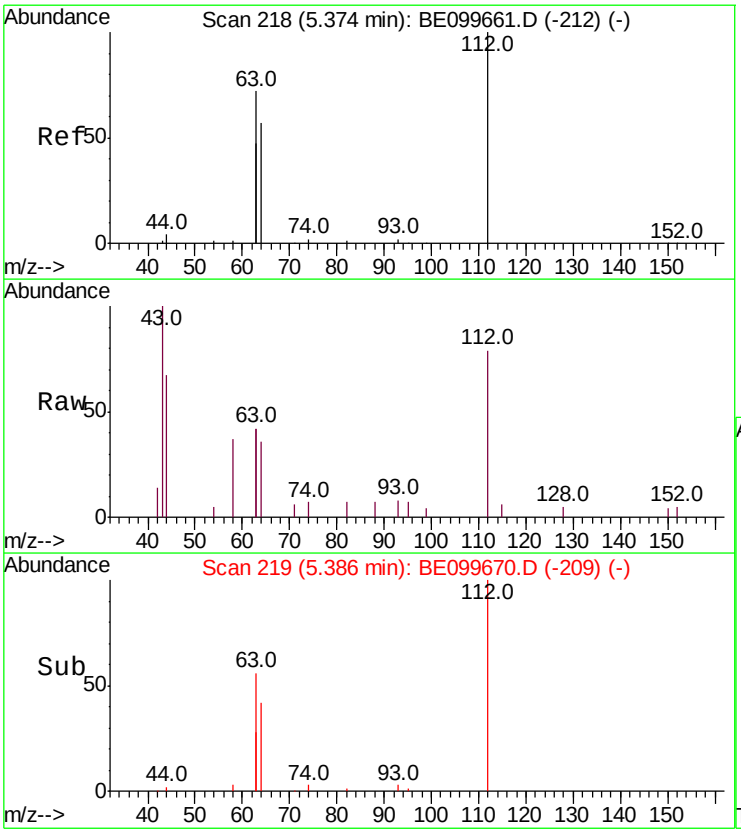
#3
n-Nitrosodimethylamine
Concen: 0.311 ng
RT: 3.64 min Scan# 67
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion: 42 Resp: 440

Ion	Ratio	Lower	Upper
42	100		
74	204.8	129.2	193.8#
44	0.0	0.0	0.0

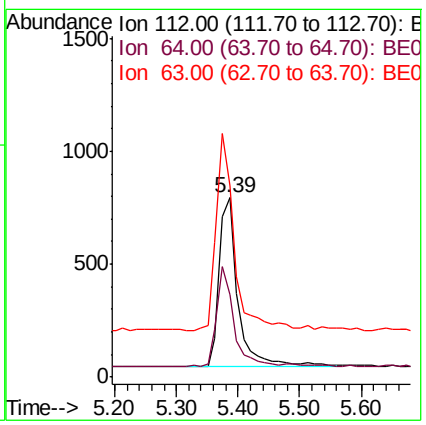


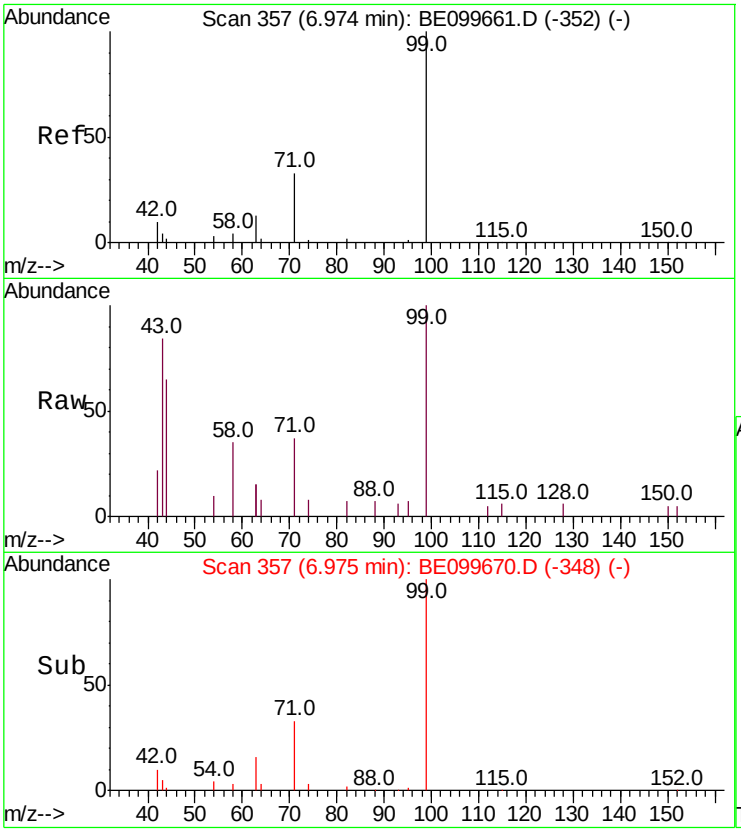


#4
2-Fluorophenol
Concen: 0.360 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.01 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion:112 Resp: 1576

Ion	Ratio	Lower	Upper
112	100		
64	52.7	43.4	65.2
63	110.2	96.9	145.3



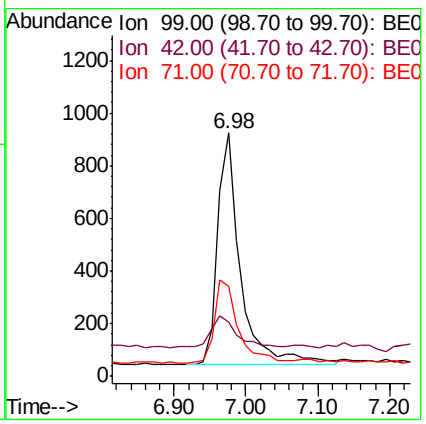


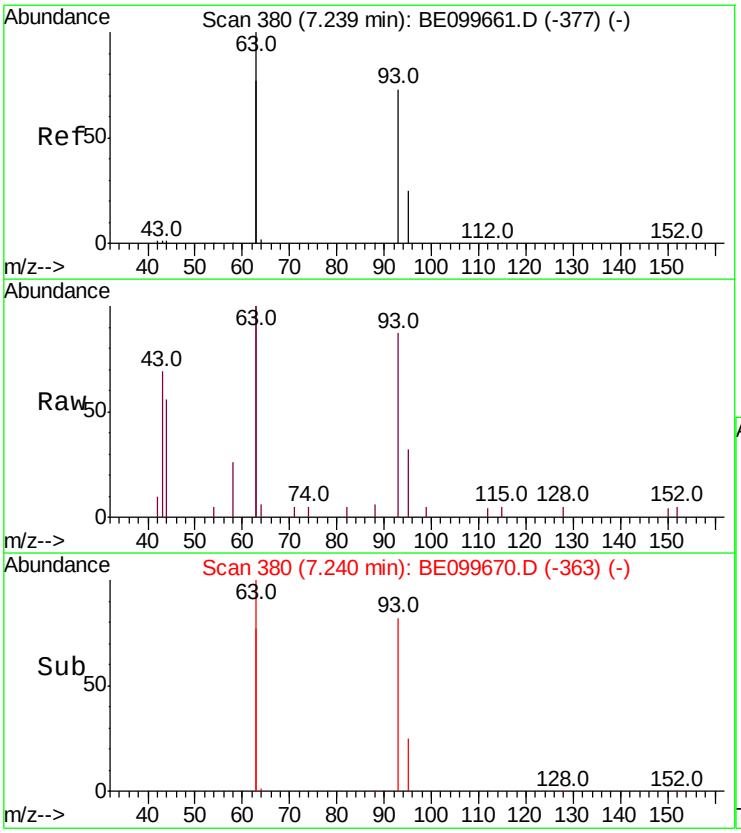
#5
Phenol-d6
Concen: 0.334 ng
RT: 6.98 min Scan# 357
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion: 99 Resp: 1938

Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.2	18.2
71	37.3	28.9	43.3

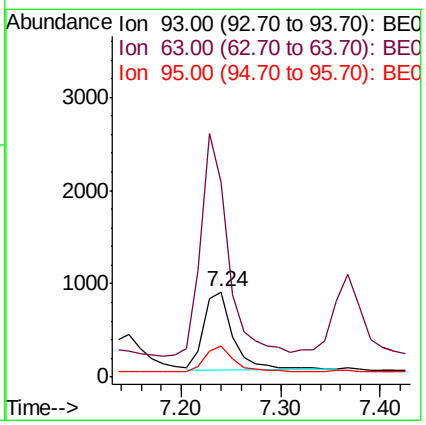


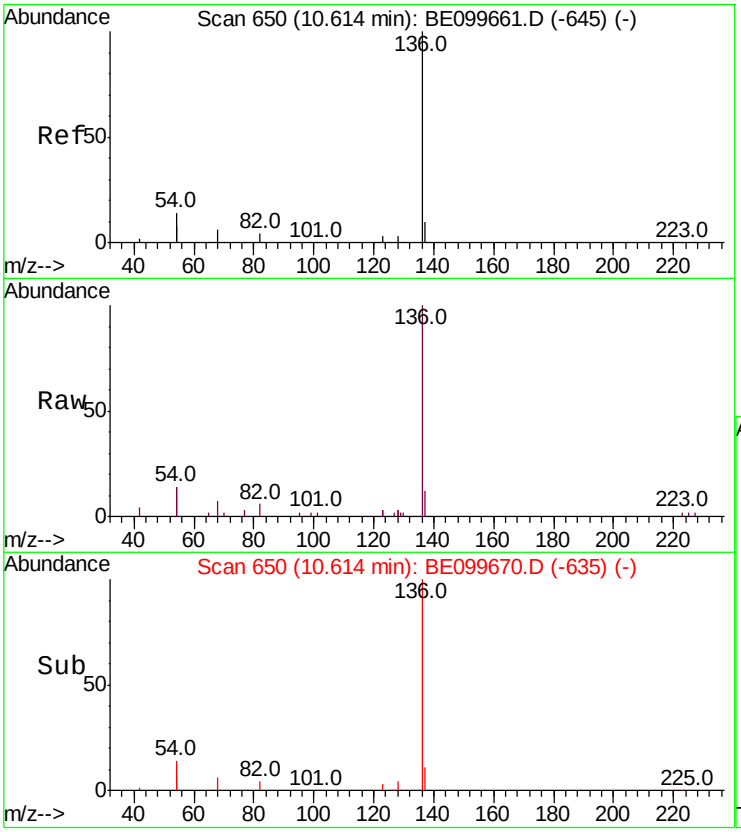


#6
bis(2-Chloroethyl)ether
Concen: 0.336 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion: 93 Resp: 1730

Ion	Ratio	Lower	Upper
93	100		
63	260.3	207.8	311.6
95	33.4	25.9	38.9



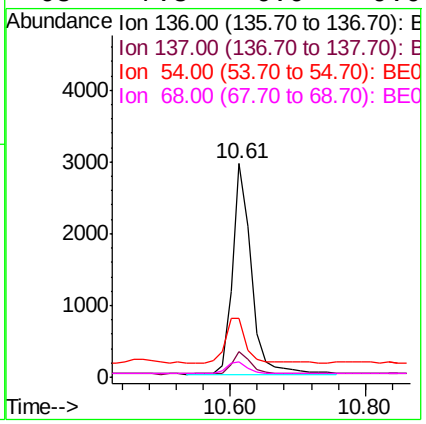


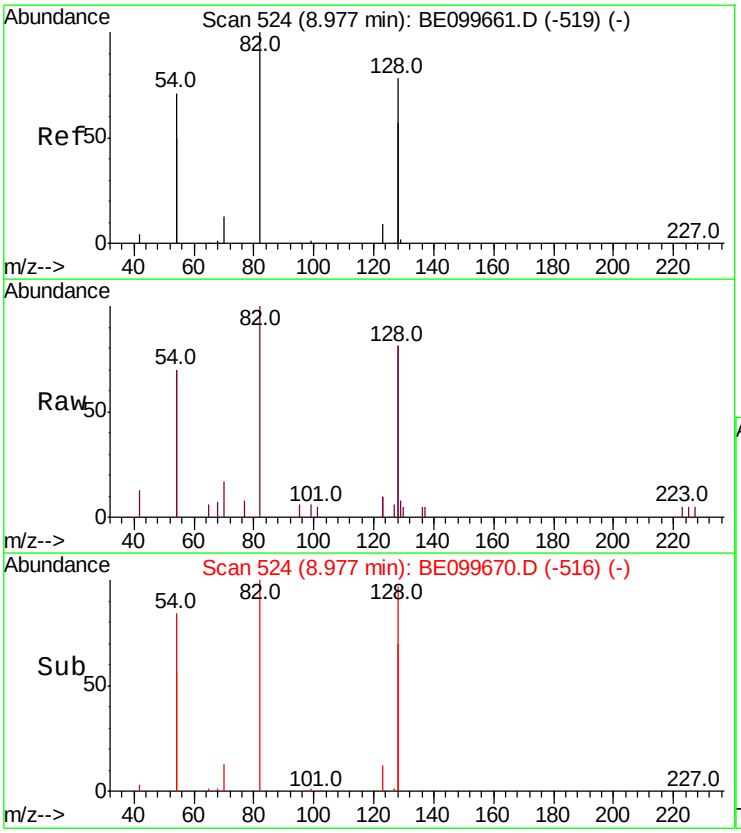
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. -0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:136 Resp: 5729

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.0	13.6
54	27.6	22.3	33.5
68	7.3	6.0	9.0

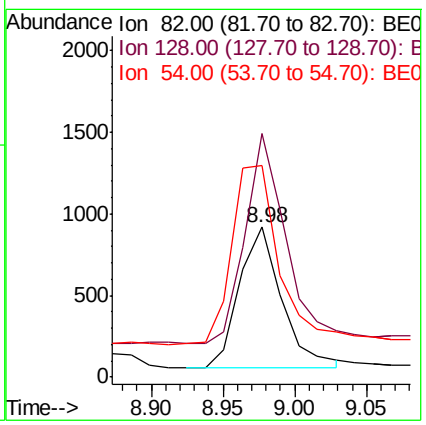


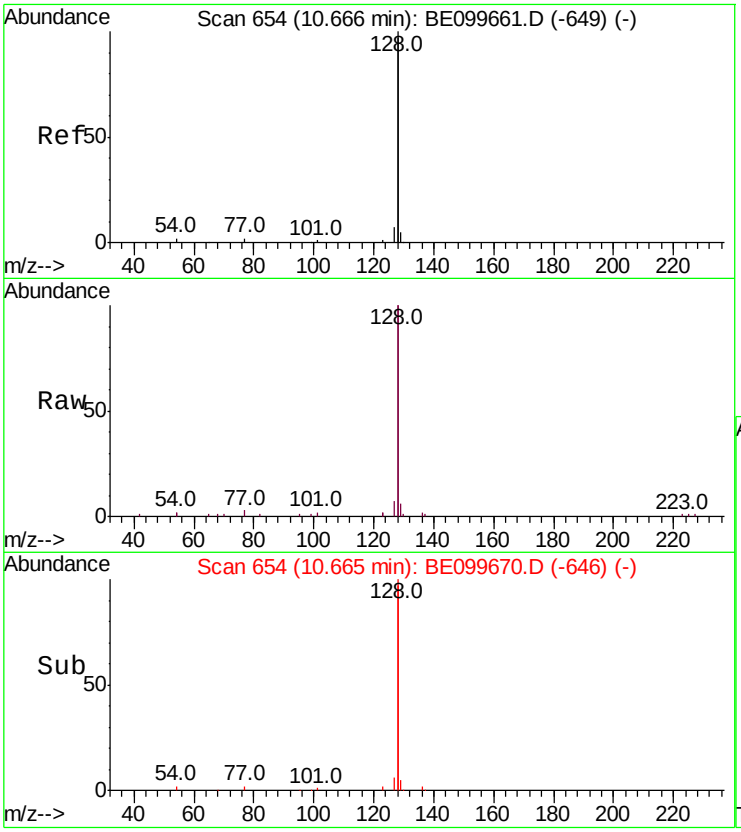


#8
Nitrobenzene-d5
Concen: 0.362 ng
RT: 8.98 min Scan# 524
Delta R.T. -0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion: 82 Resp: 1795

Ion	Ratio	Lower	Upper
82	100		
128	162.4	117.7	176.5
54	140.8	106.6	160.0



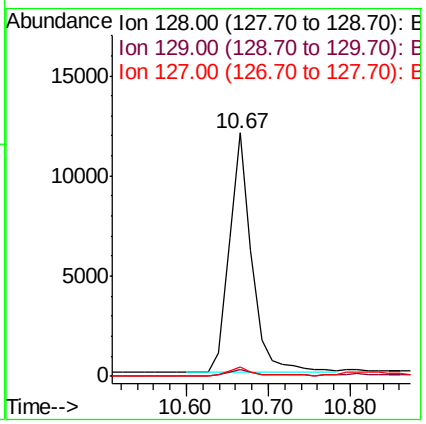


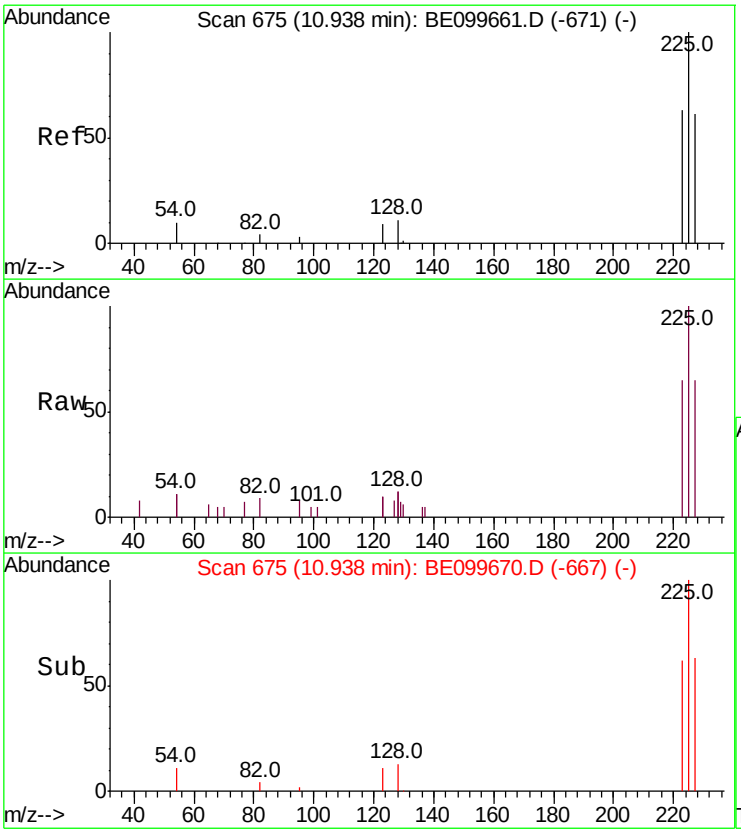
#9
Naphthalene
Concen: 0.372 ng
RT: 10.67 min Scan# 654
Delta R.T. -0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:128 Resp: 22791

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.4	3.6
127	3.6	2.9	4.3

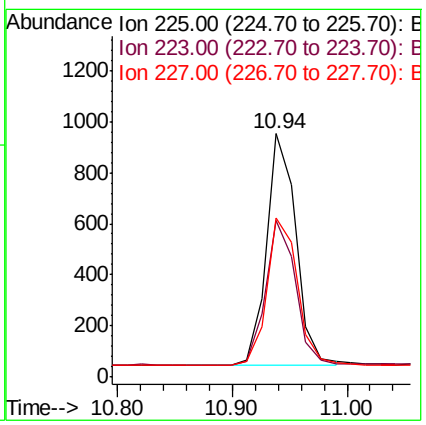


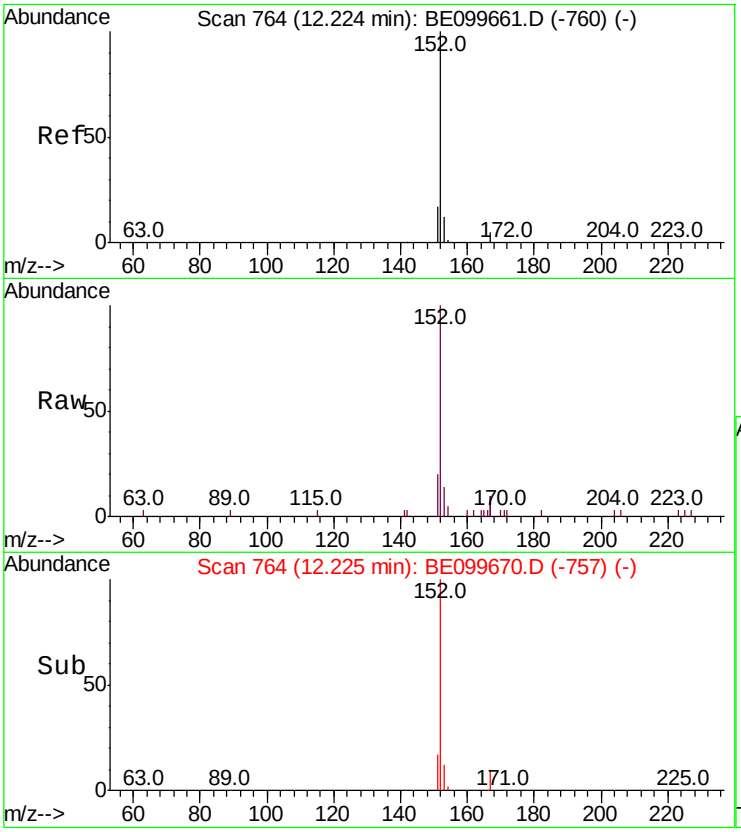


#10
Hexachlorobutadiene
Concen: 0.362 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion:225 Resp: 1633

Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.8	77.6
227	65.5	52.6	79.0



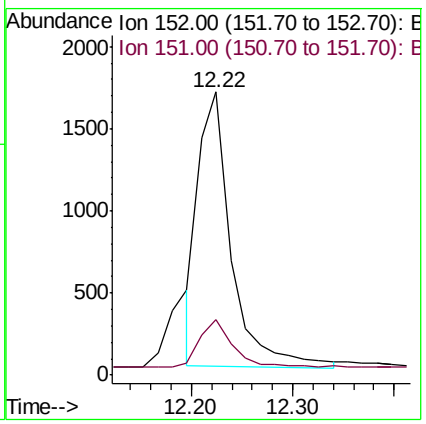


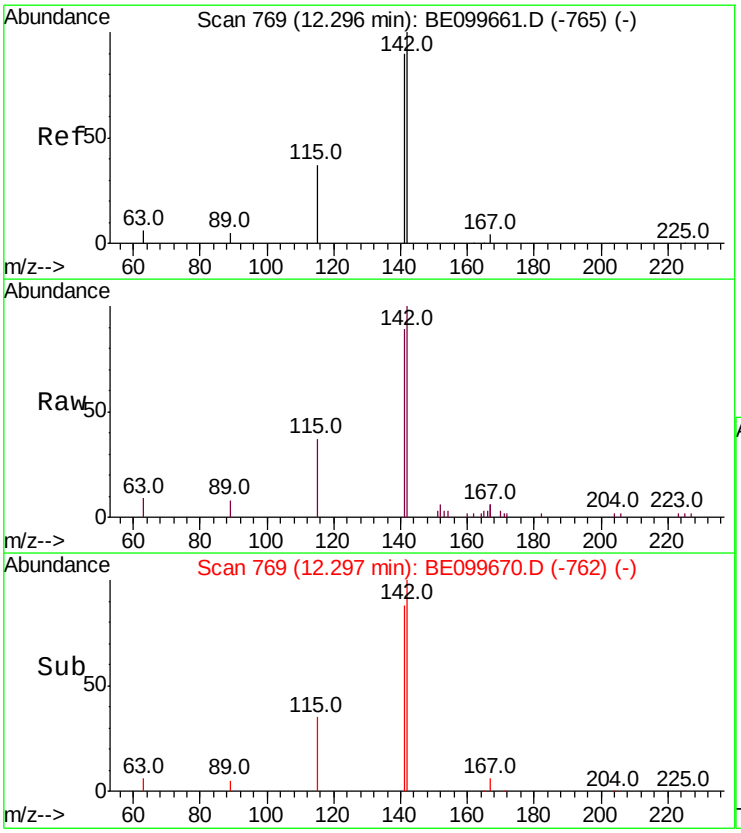
#11
2-Methylnaphthalene-d10
Concen: 0.383 ng m
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:152 Resp: 3791

Ion	Ratio	Lower	Upper
152	100		
151	18.3	15.0	22.4

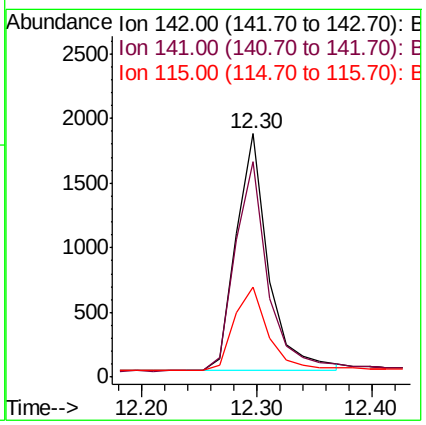


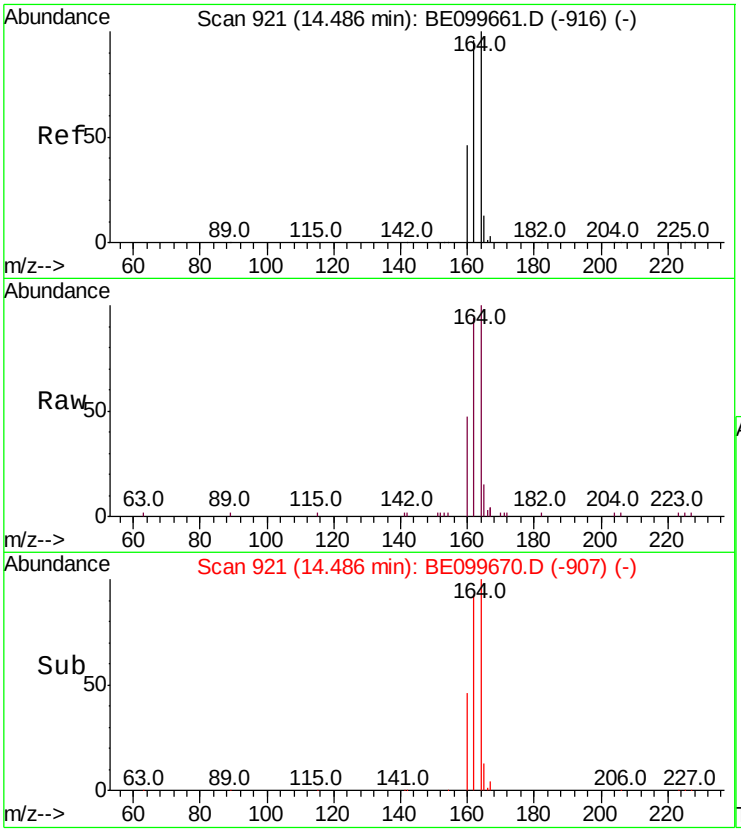


#12
2-Methylnaphthalene
Concen: 0.356 ng
RT: 12.30 min Scan# 769
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion:142 Resp: 3551

Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.0	108.0
115	37.2	31.0	46.4



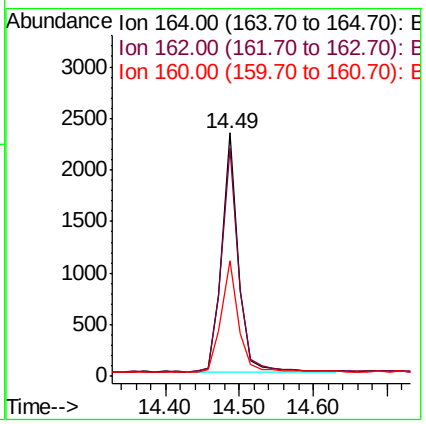


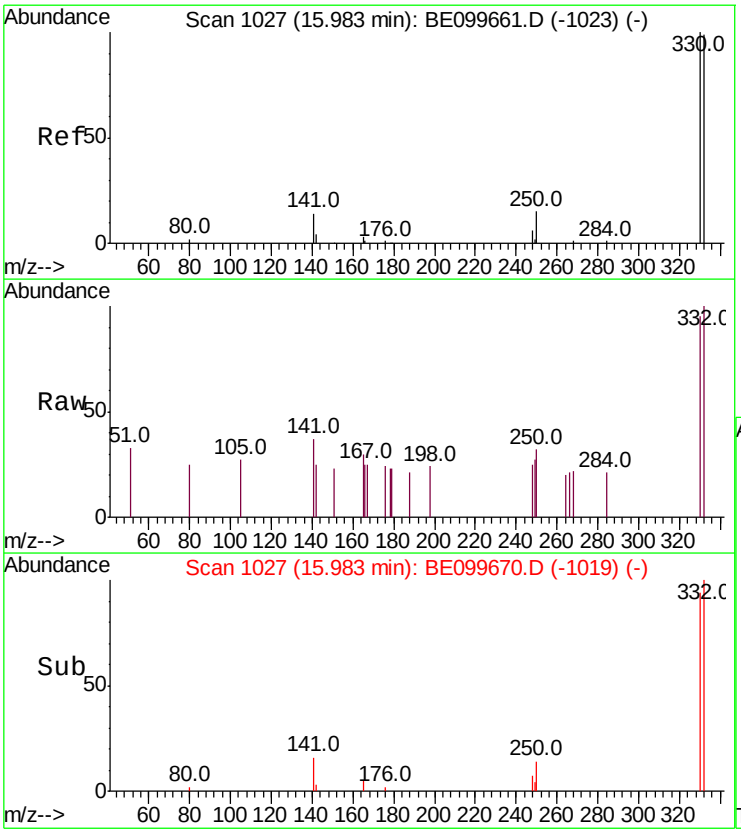
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:164 Resp: 3551

Ion	Ratio	Lower	Upper
164	100		
162	93.5	76.5	114.7
160	47.2	37.4	56.2

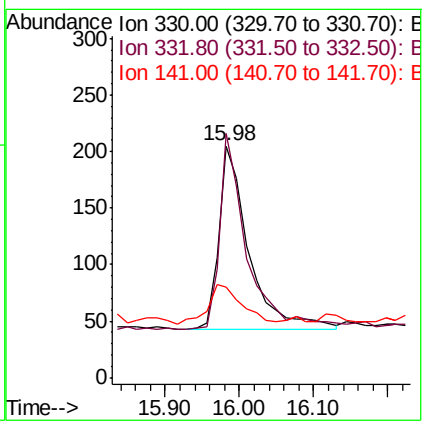


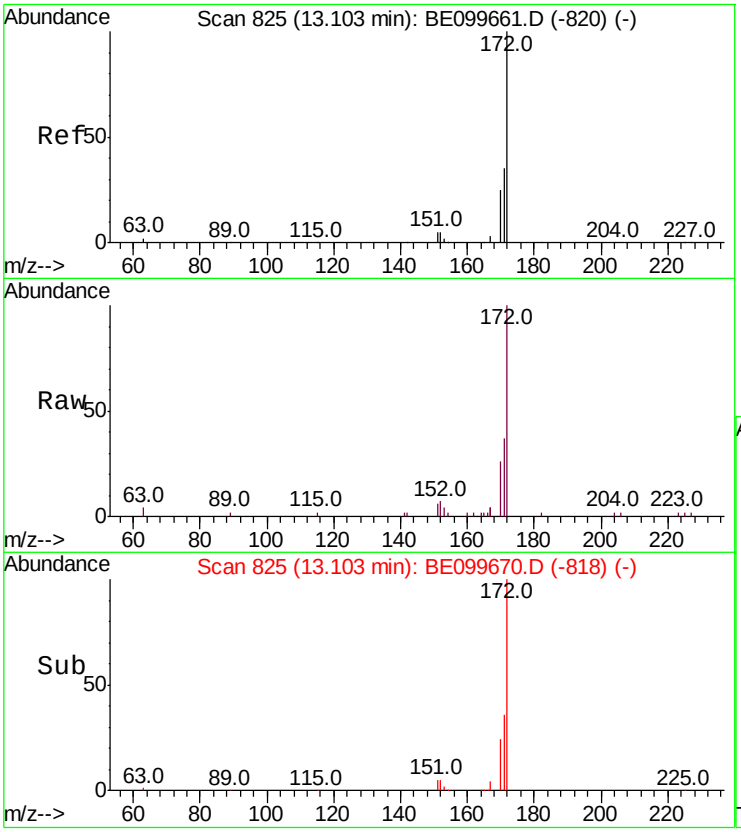


#14
2,4,6-Tribromophenol
Concen: 0.304 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion:330 Resp: 454

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.3	115.9
141	25.6	18.9	28.3



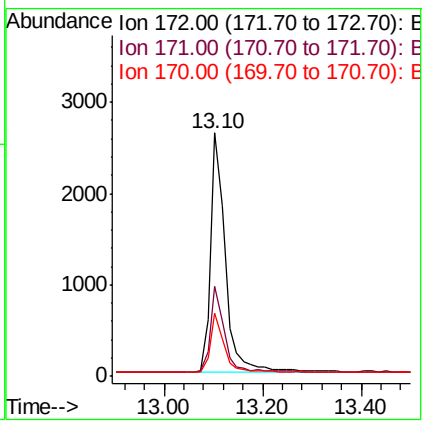


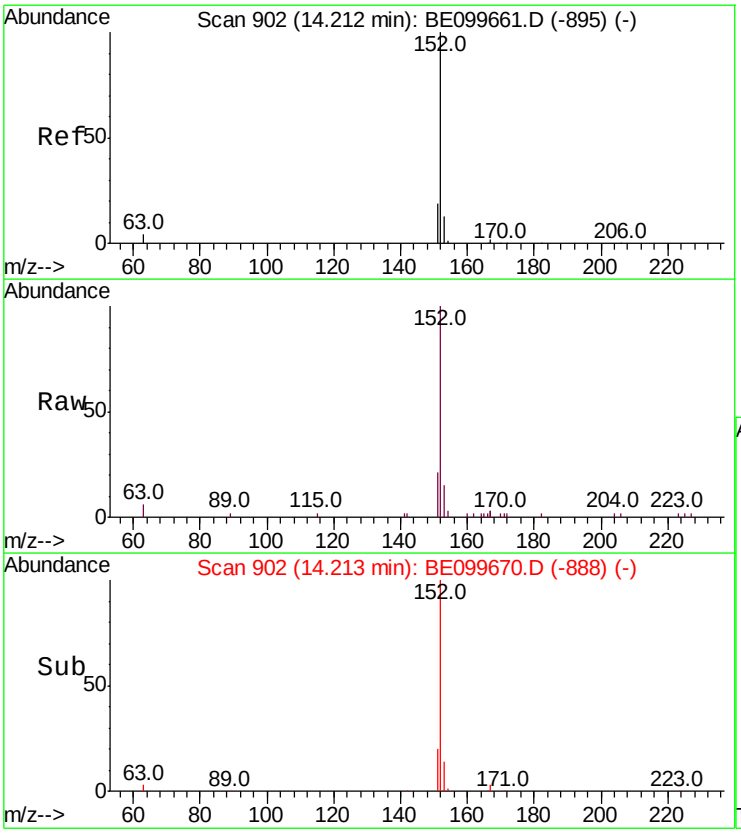
#15
2-Fluorobiphenyl
Concen: 0.401 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:172 Resp: 5402

Ion	Ratio	Lower	Upper
172	100		
171	37.0	28.7	43.1
170	25.8	20.9	31.3

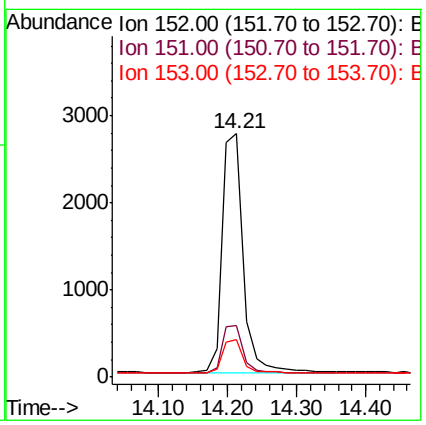


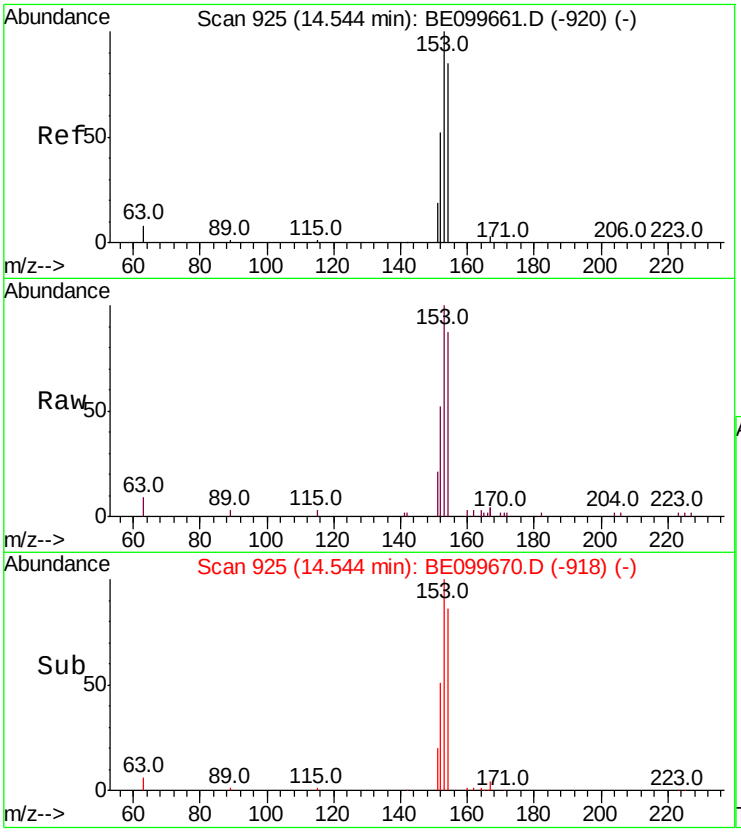


#16
Acenaphthylene
Concen: 0.352 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion:152 Resp: 5823

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.8	10.6	16.0



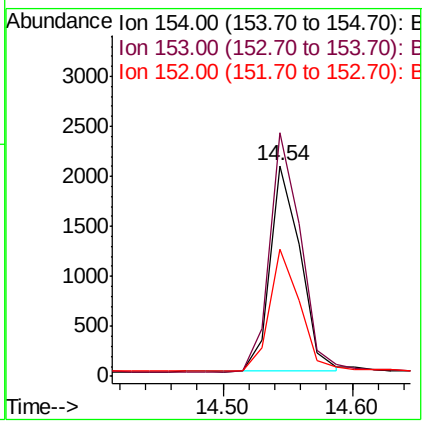


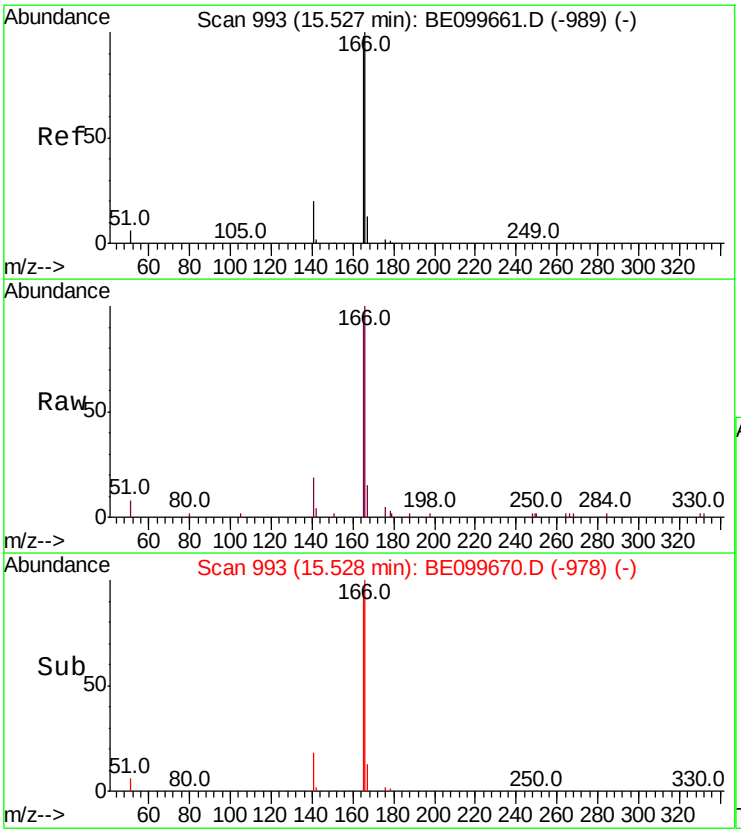
#17
Acenaphthene
Concen: 0.361 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:154 Resp: 3349

Ion	Ratio	Lower	Upper
154	100		
153	118.5	91.8	137.6
152	59.5	46.0	69.0

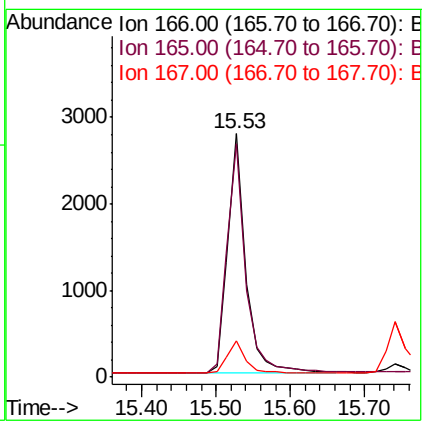


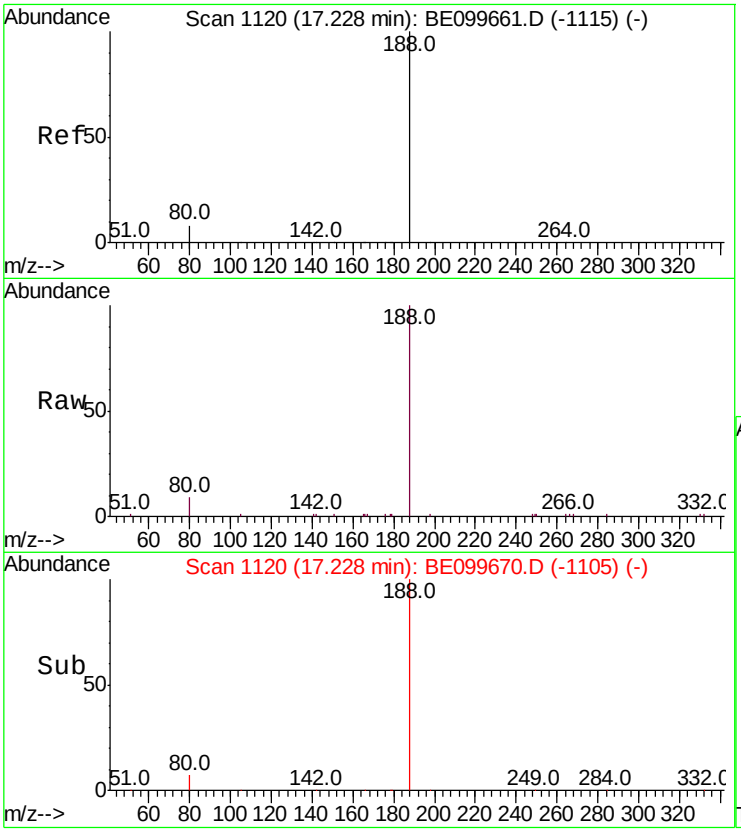


#18
Fluorene
Concen: 0.343 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion:166 Resp: 4687

Ion	Ratio	Lower	Upper
166	100		
165	98.2	80.3	120.5
167	13.2	10.6	16.0



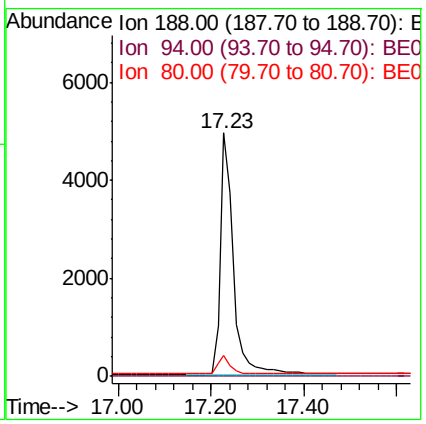


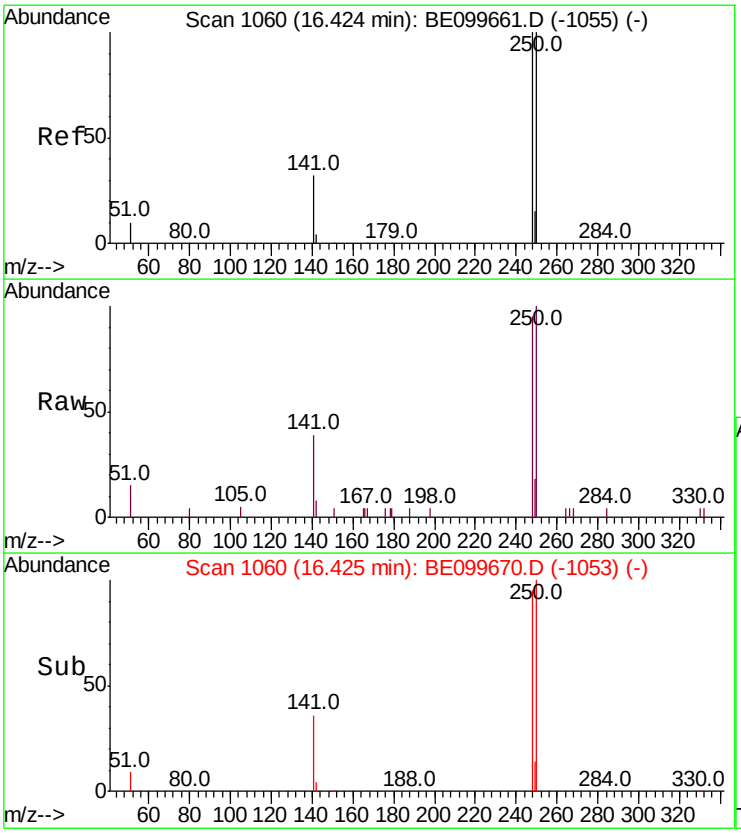
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:188 Resp: 9683

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	6.7	10.1

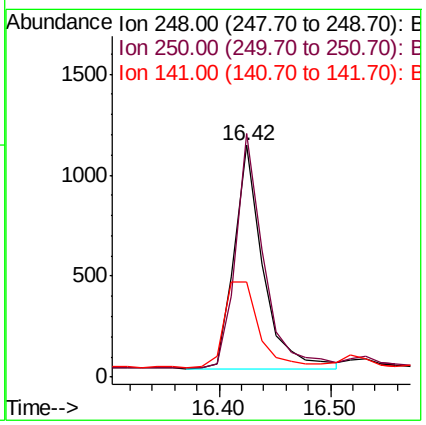


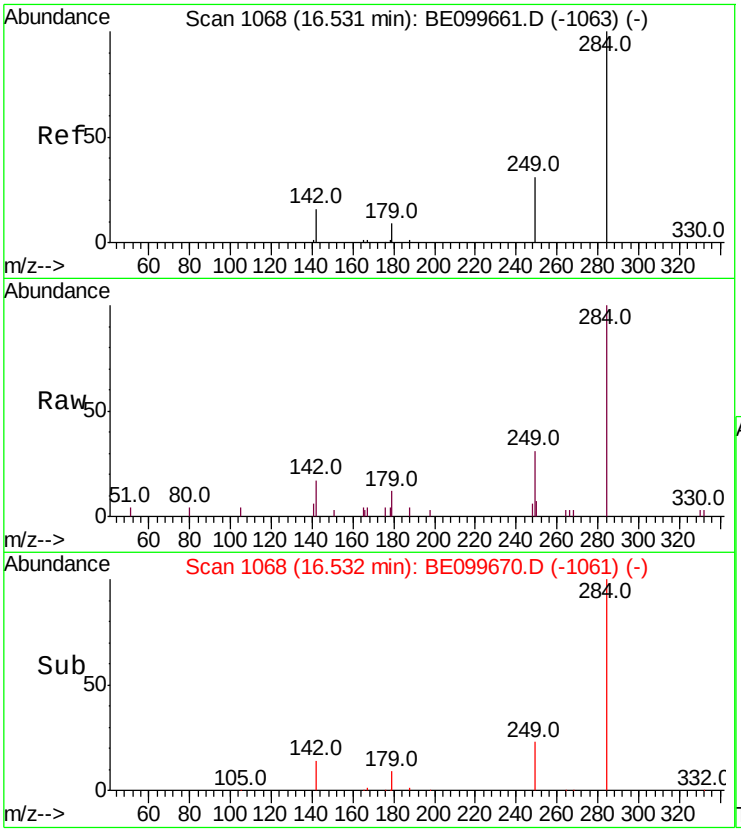


#20
4-Bromophenyl-phenylether
Concen: 0.353 ng
RT: 16.42 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion:248 Resp: 1973

Ion	Ratio	Lower	Upper
248	100		
250	105.1	79.8	119.8
141	41.1	27.0	40.6#



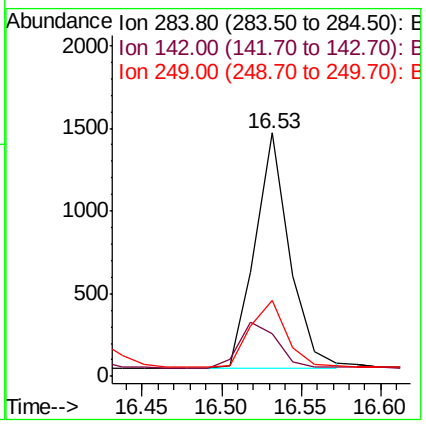


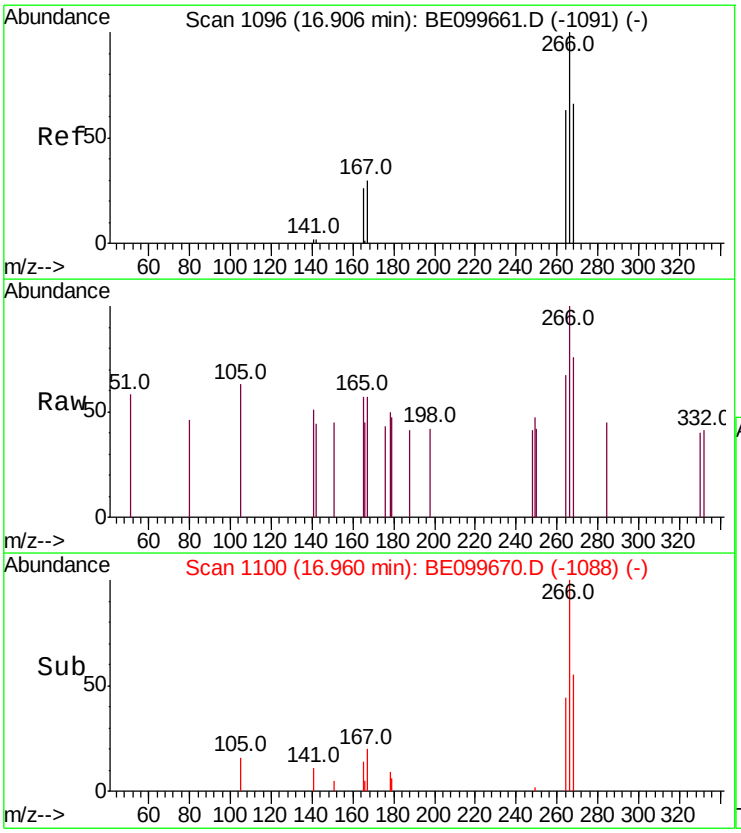
#21
Hexachlorobenzene
Concen: 0.385 ng
RT: 16.53 min Scan# 1068
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:284 Resp: 2197

Ion	Ratio	Lower	Upper
284	100		
142	22.1	17.8	26.6
249	29.4	24.8	37.2

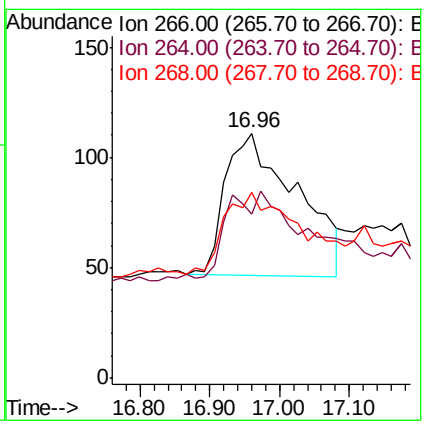


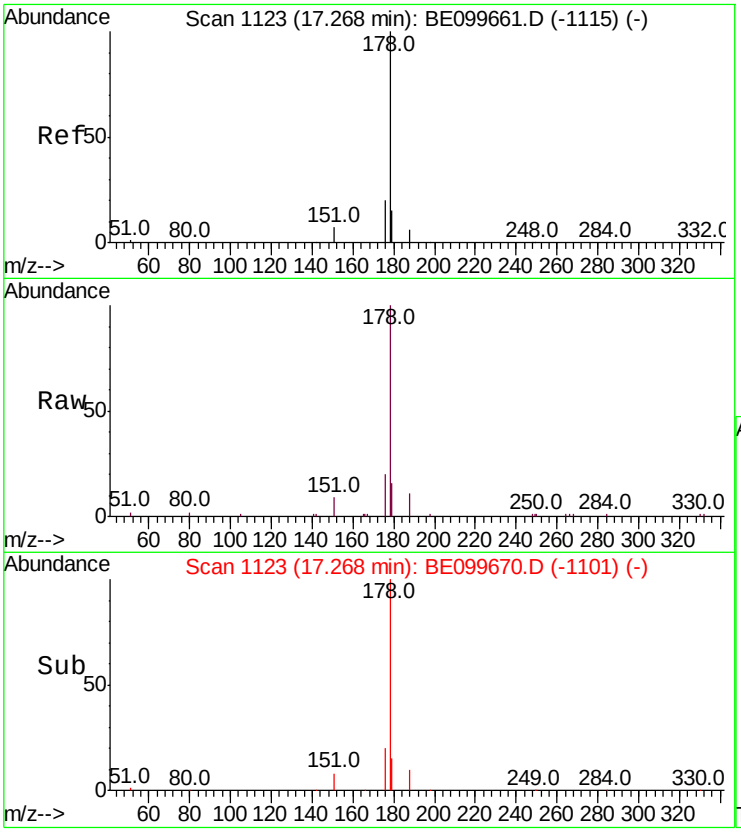


#22
Pentachlorophenol
Concen: 0.443 ng m
RT: 16.96 min Scan# 1100
Delta R.T. 0.05 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion:266 Resp: 463

Ion	Ratio	Lower	Upper
266	100		
264	66.7	57.2	85.8
268	75.7	60.5	90.7



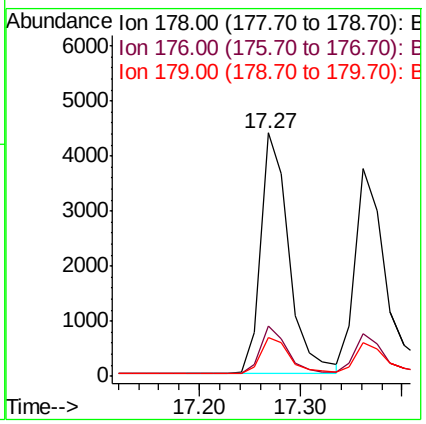


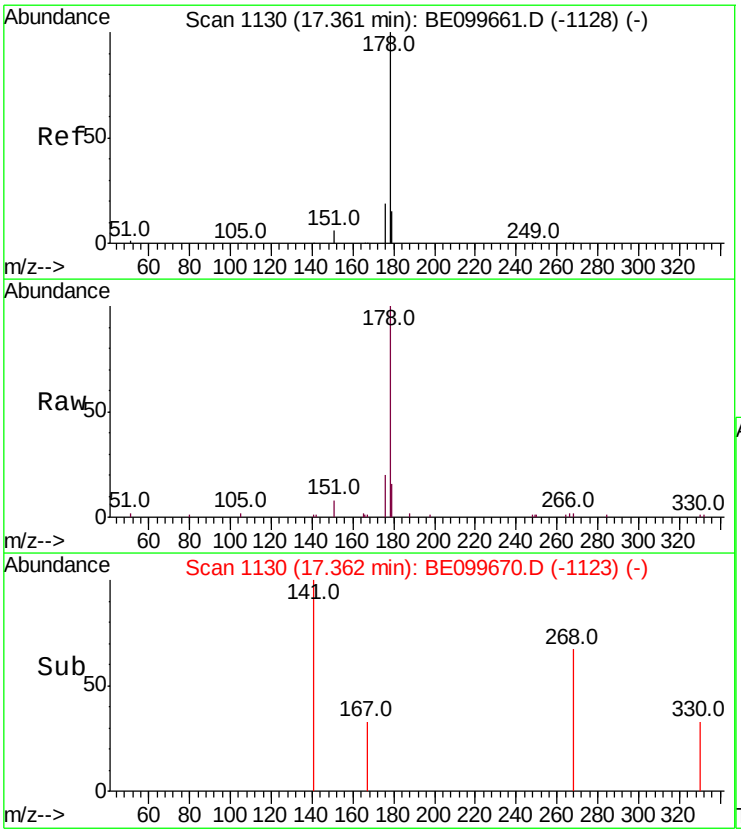
#23
Phenanthrene
Concen: 0.360 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:178 Resp: 8515

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.6	23.4
179	15.5	12.2	18.4

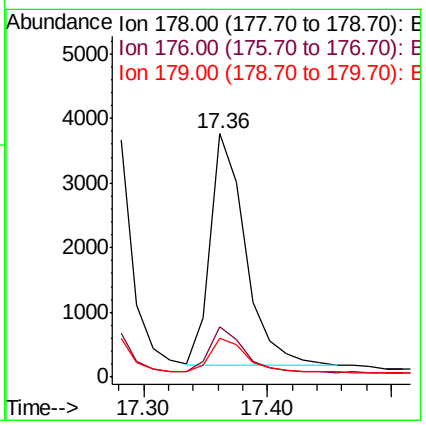


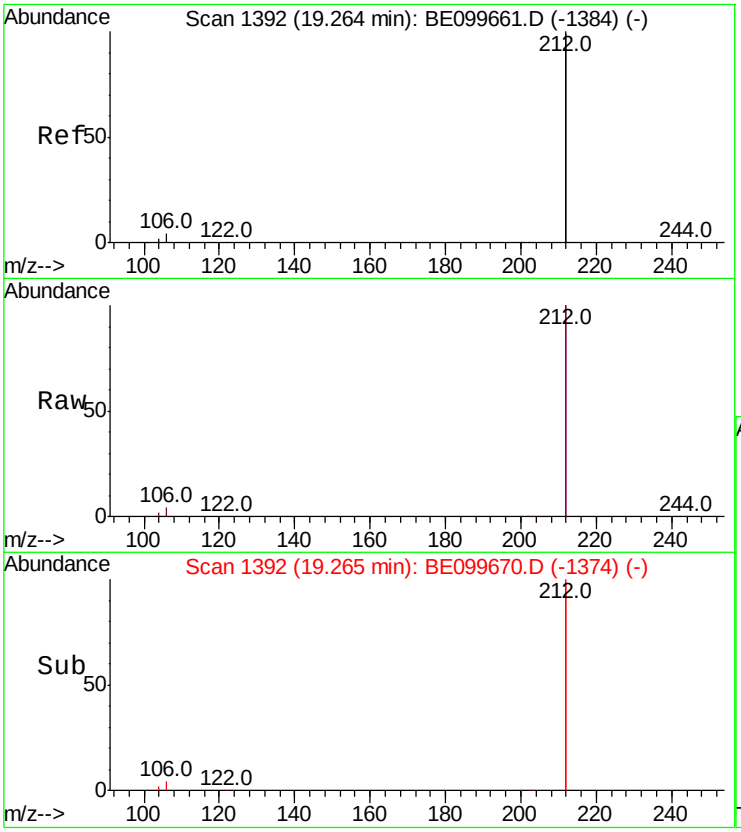


#24
Anthracene
Concen: 0.331 ng
RT: 17.36 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion:178 Resp: 7098

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	14.8	12.0	18.0



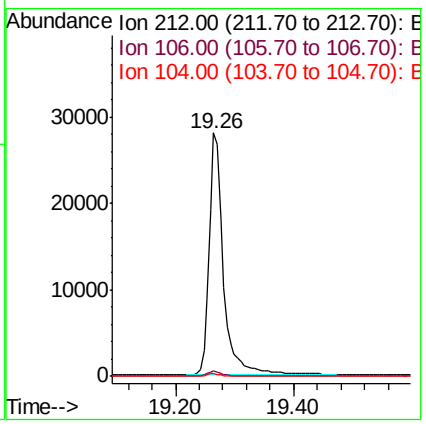


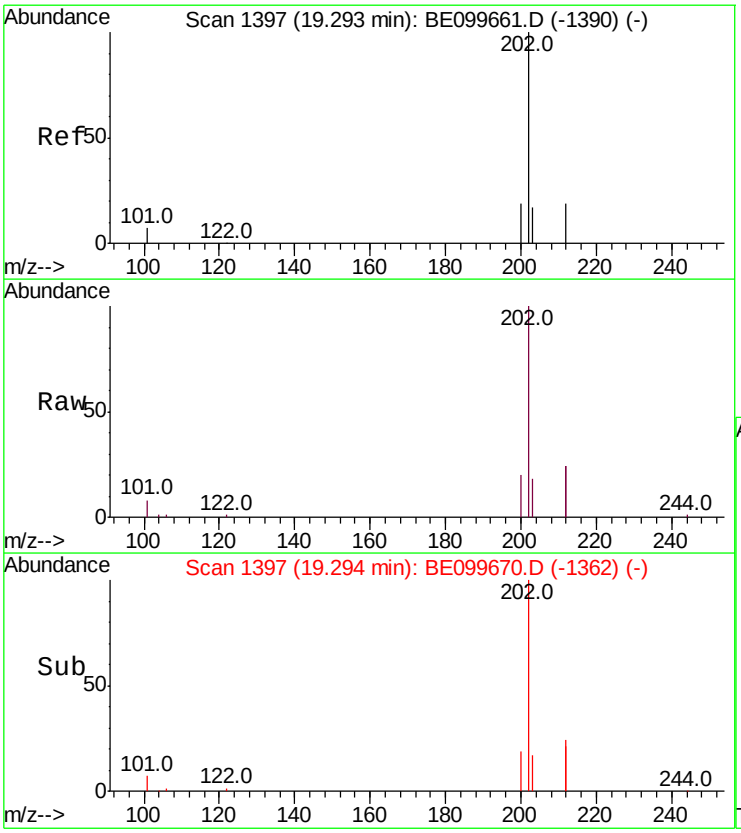
#25
Fluoranthene-d10
Concen: 0.359 ng
RT: 19.26 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:212 Resp: 47442

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.2
104	1.0	0.8	1.2

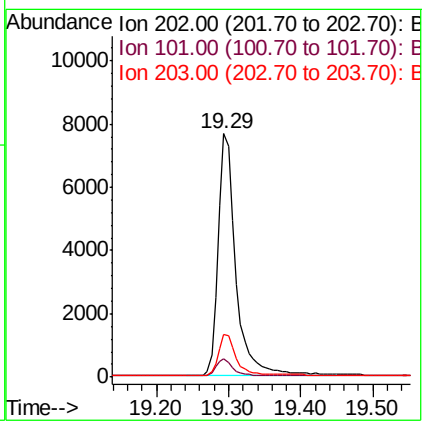


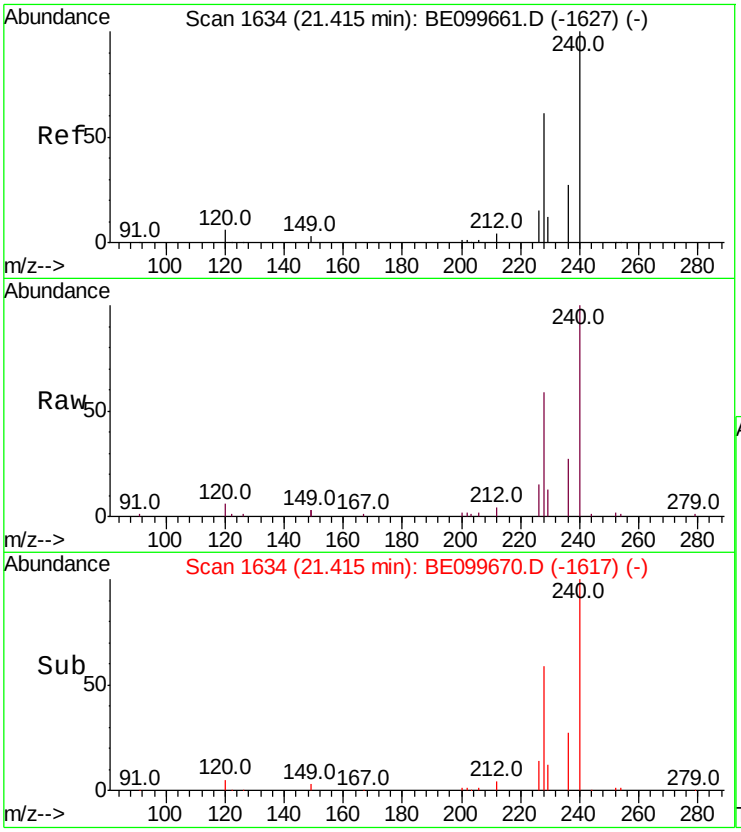


#26
Fluoranthene
Concen: 0.347 ng
RT: 19.29 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion:202 Resp: 12980

Ion	Ratio	Lower	Upper
202	100		
101	6.6	5.2	7.8
203	17.1	13.8	20.6



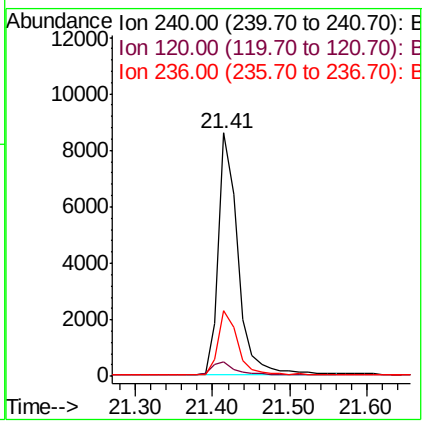


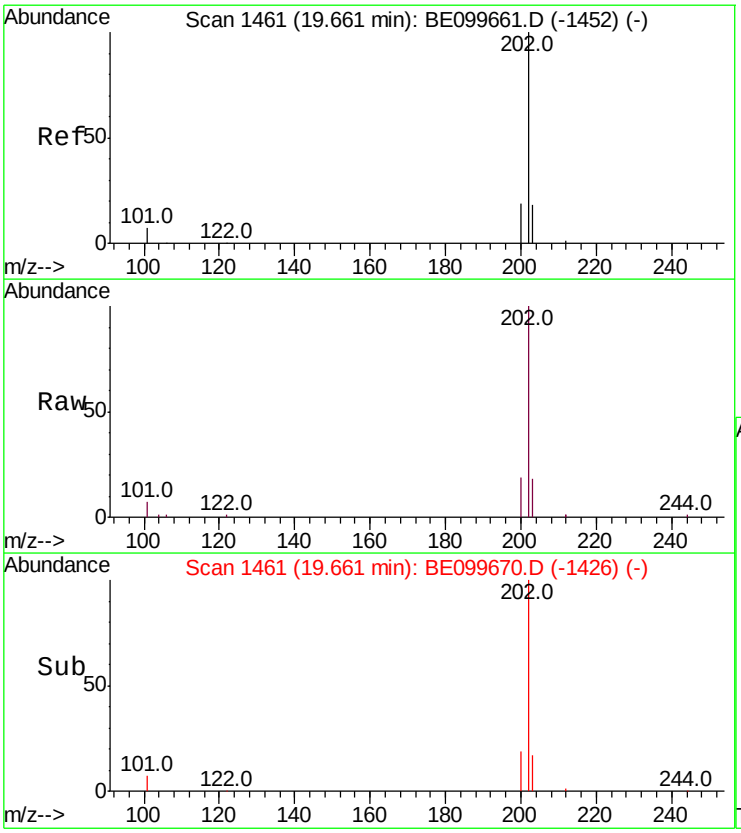
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:240 Resp: 15008

Ion	Ratio	Lower	Upper
240	100		
120	6.0	5.4	8.0
236	27.0	21.7	32.5

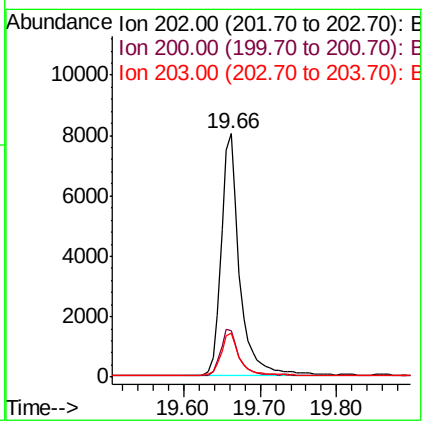


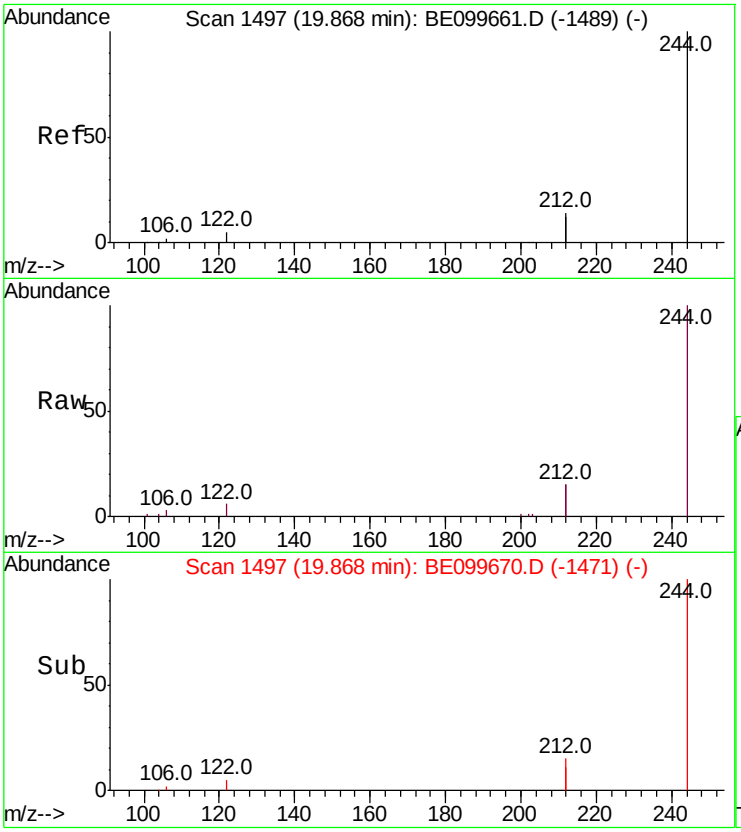


#28
Pyrene
Concen: 0.354 ng
RT: 19.66 min Scan# 1461
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion:202 Resp: 13357

Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.4	23.2
203	18.0	13.8	20.8



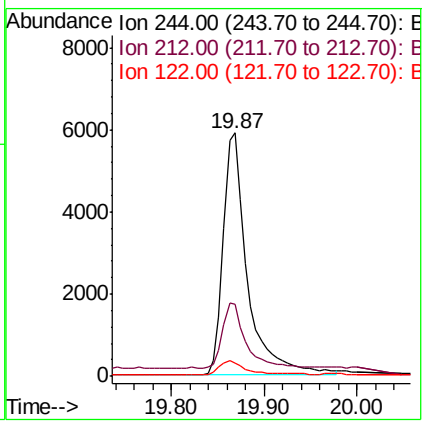


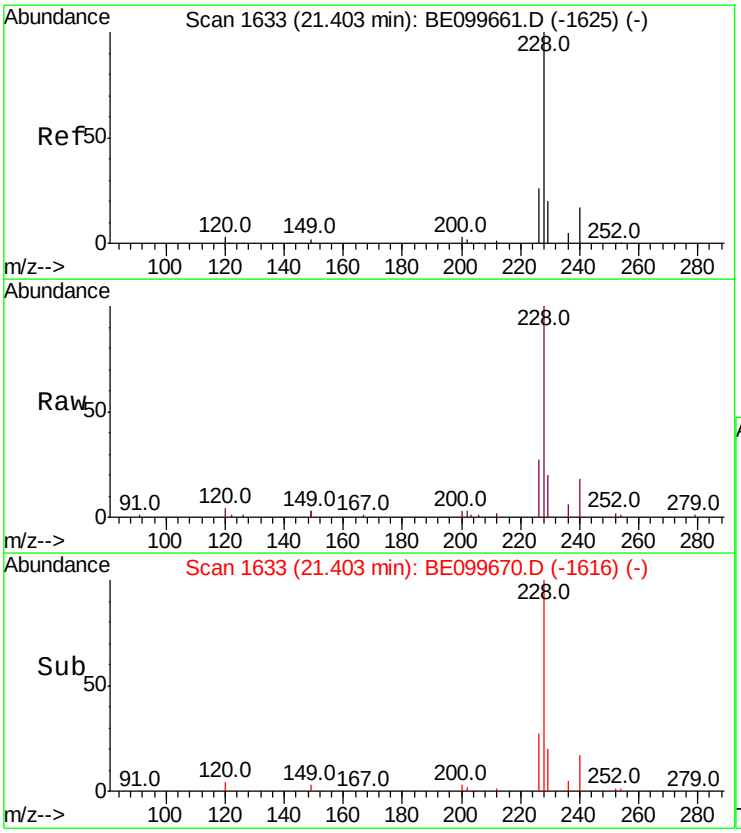
#29
Terphenyl-d14
Concen: 0.396 ng
RT: 19.87 min Scan# 1497
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:244 Resp: 10608

Ion	Ratio	Lower	Upper
244	100		
212	29.6	22.5	33.7
122	5.7	4.3	6.5

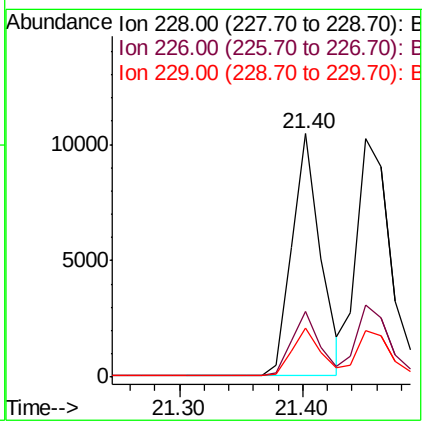


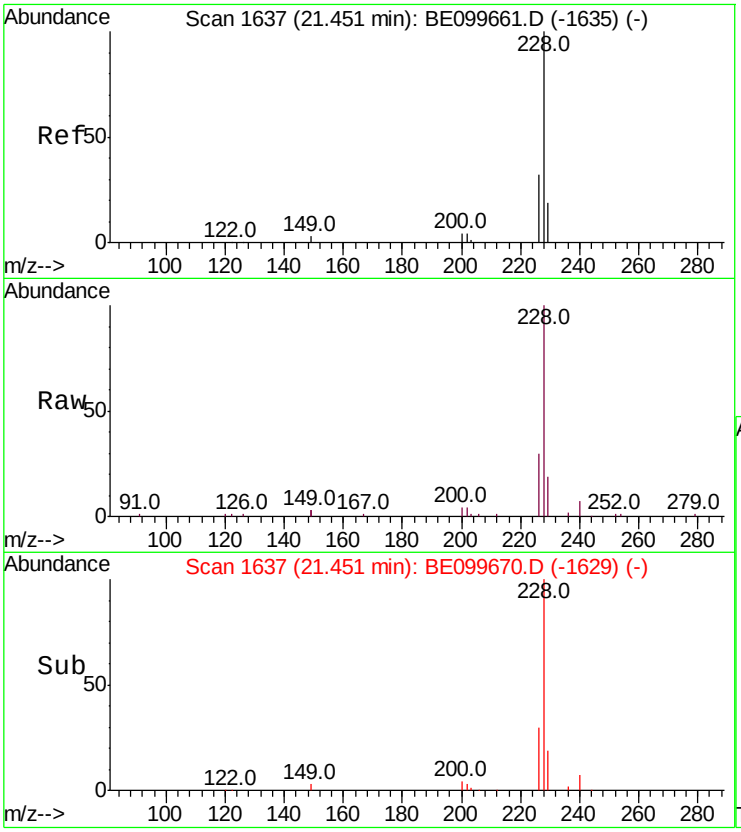


#30
Benzo(a)anthracene
Concen: 0.394 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion:228 Resp: 16807

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.3	31.9
229	20.2	16.1	24.1



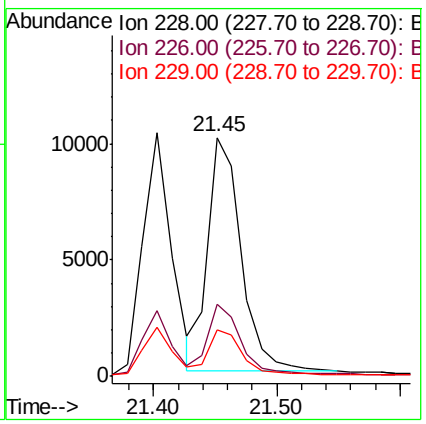


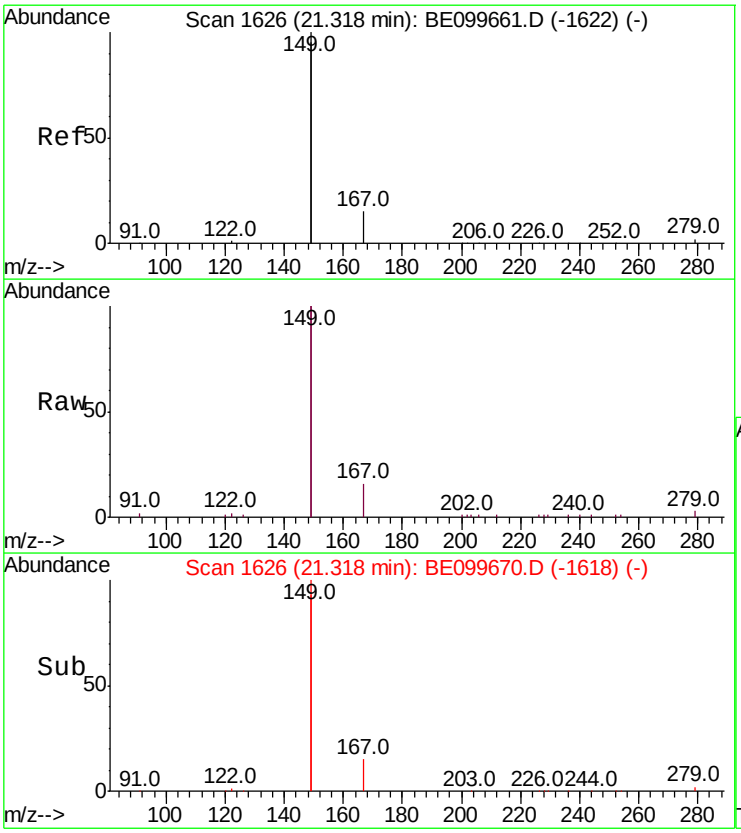
#31
Chrysene
Concen: 0.415 ng
RT: 21.45 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:228 Resp: 18935

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.7	37.1
229	19.3	15.8	23.6

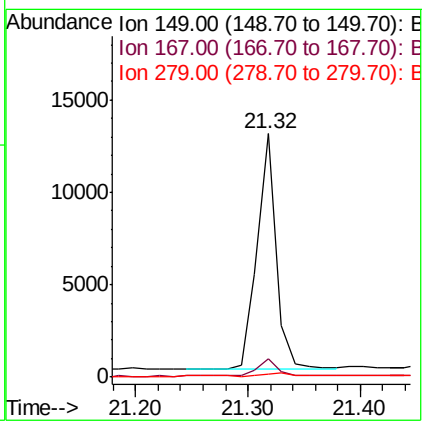


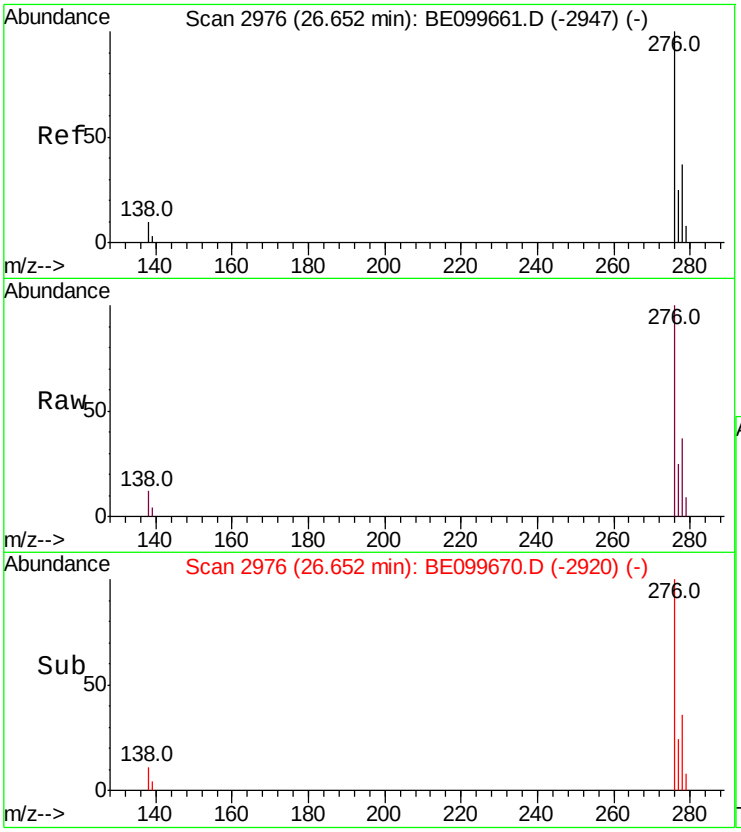


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.313 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion:149 Resp: 15361

Ion	Ratio	Lower	Upper
149	100		
167	7.4	6.2	9.4
279	1.4	1.2	1.8



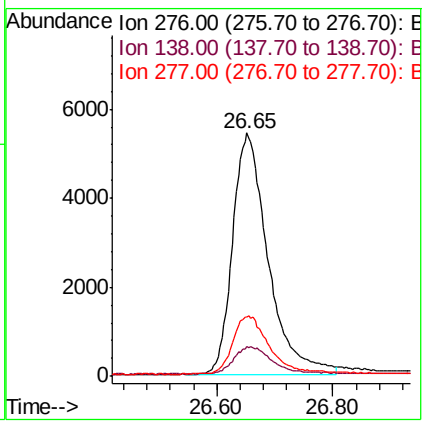


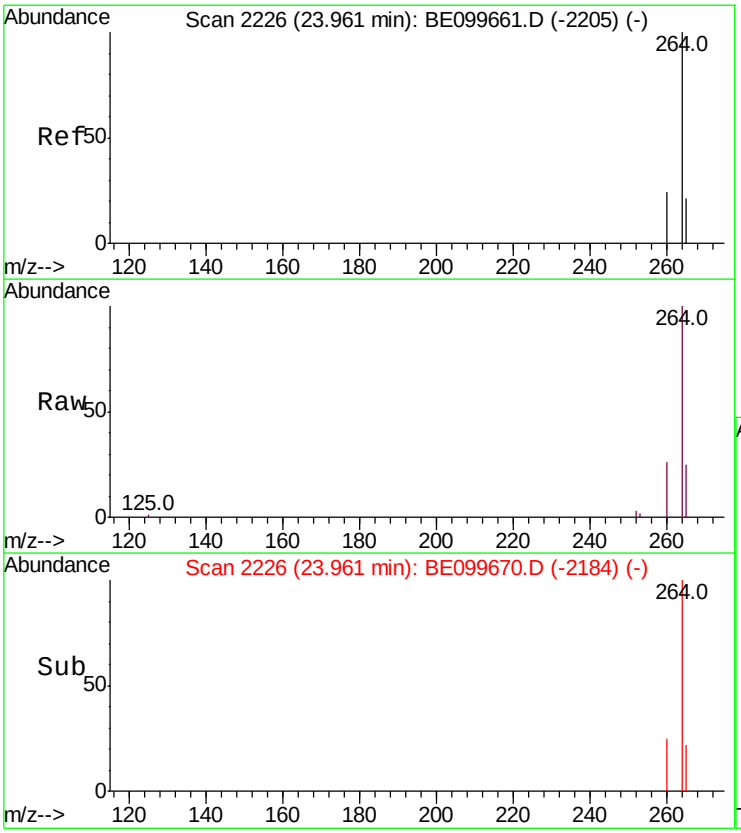
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.416 ng
RT: 26.65 min Scan# 2976
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:276 Resp: 22874

Ion	Ratio	Lower	Upper
276	100		
138	12.1	9.6	14.4
277	24.3	19.2	28.8

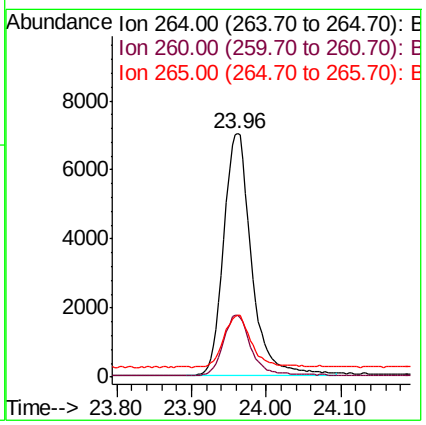


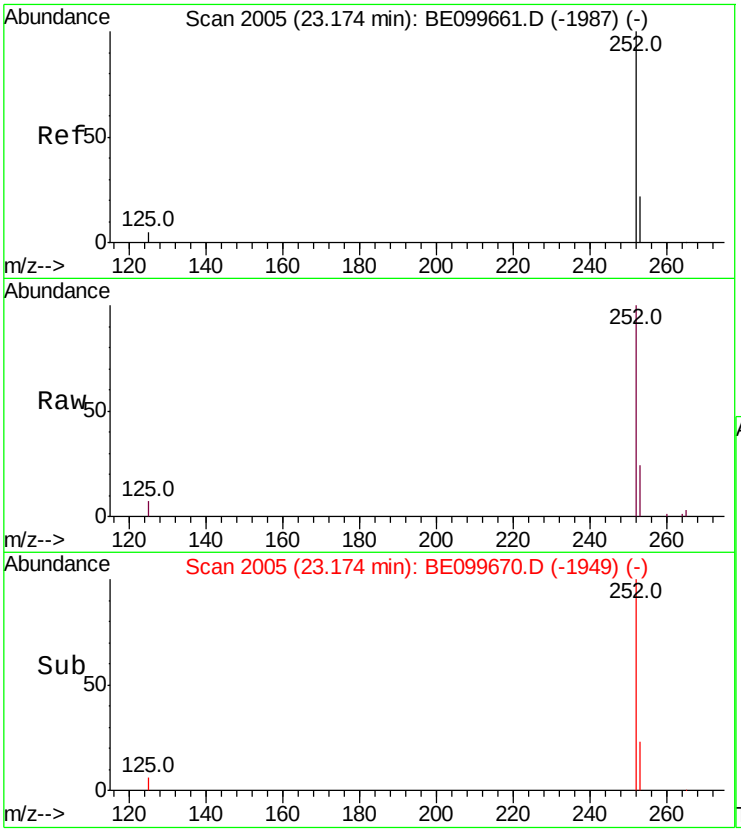


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2226
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion:264 Resp: 18137

Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.6	29.4
265	25.4	19.1	28.7



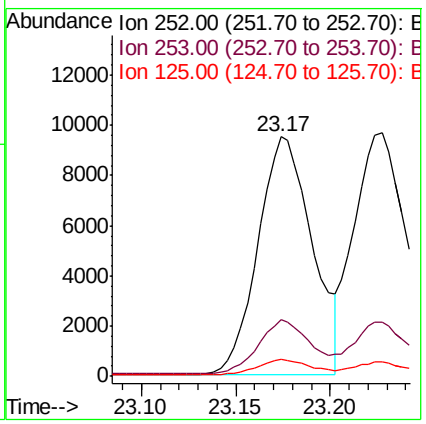


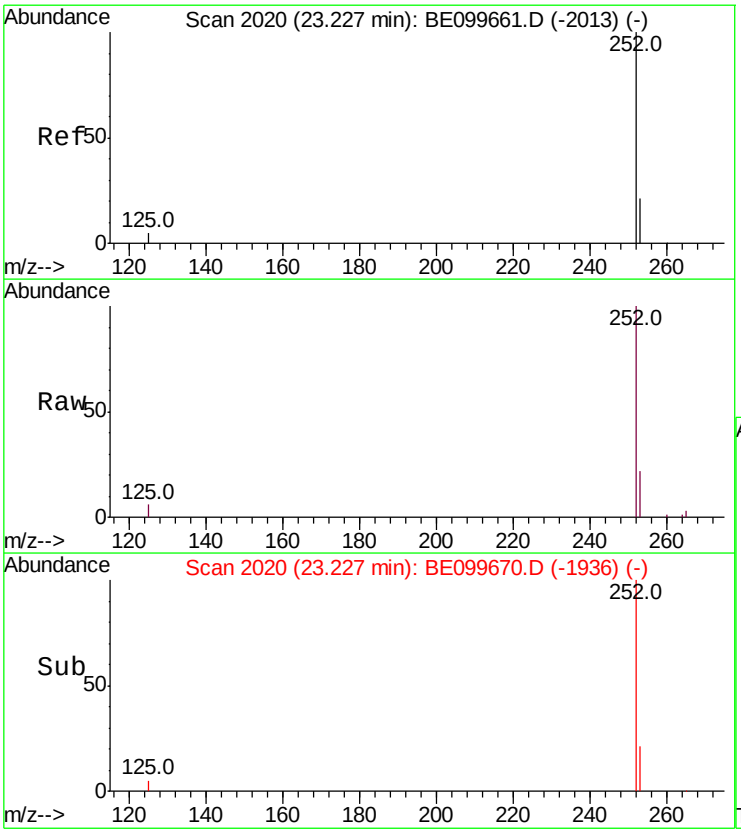
#35
Benzo(b)fluoranthene
Concen: 0.382 ng m
RT: 23.17 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:252 Resp: 18976

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.4
125	6.9	4.5	6.7#

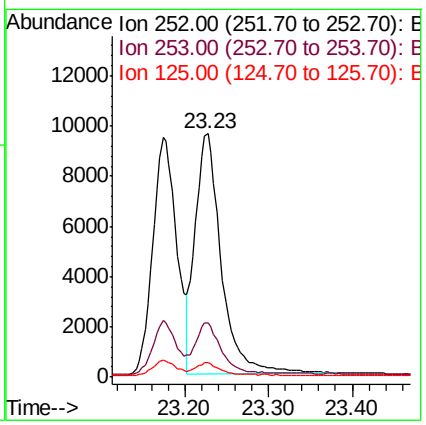


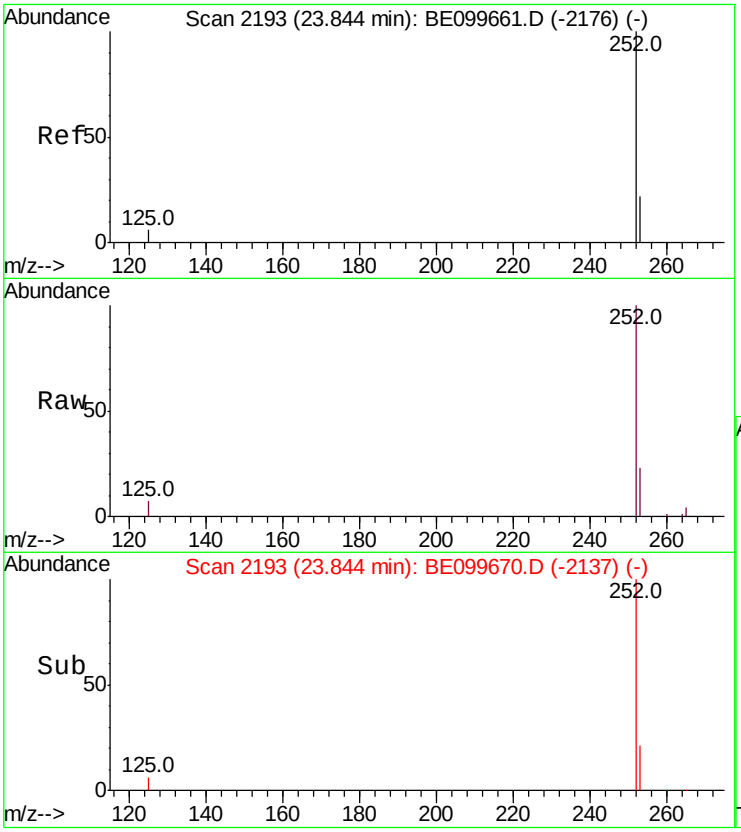


#36
Benzo(k)fluoranthene
Concen: 0.401 ng
RT: 23.23 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion:252 Resp: 20800

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	5.8	4.6	6.8



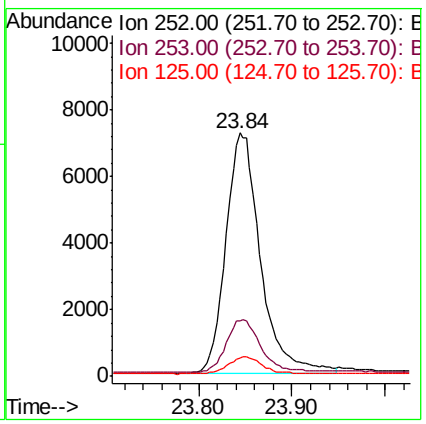


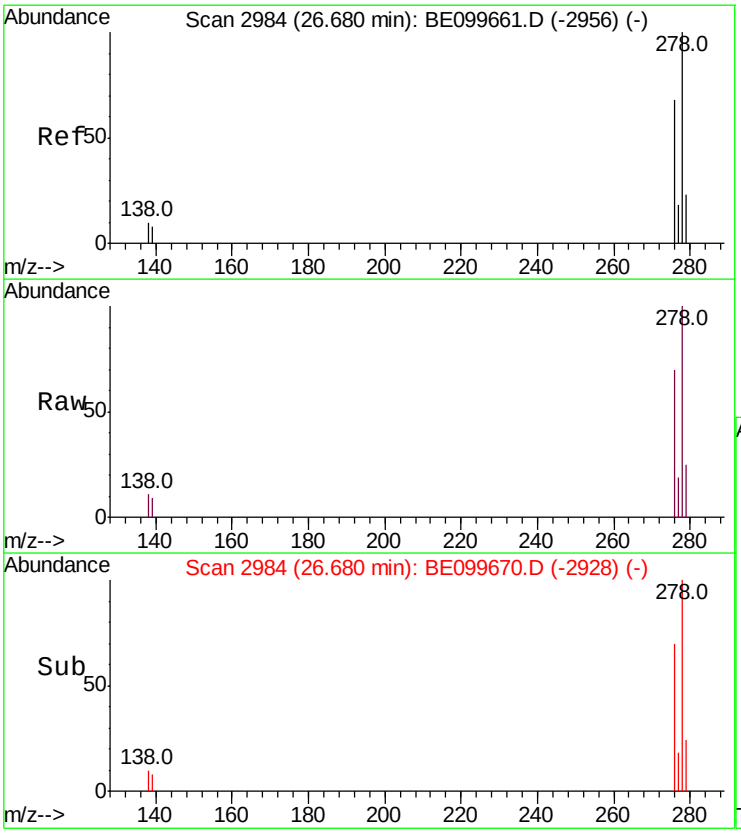
#37
Benzo(a)pyrene
Concen: 0.391 ng
RT: 23.84 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:252 Resp: 18688

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.9	28.3
125	7.4	5.4	8.0

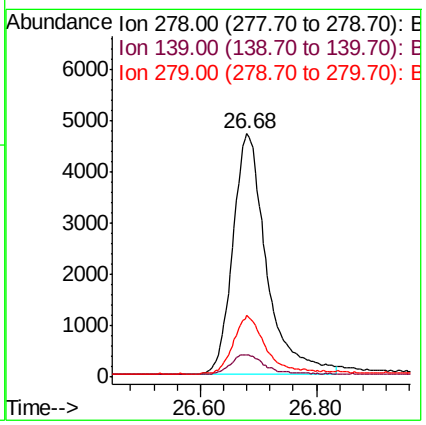


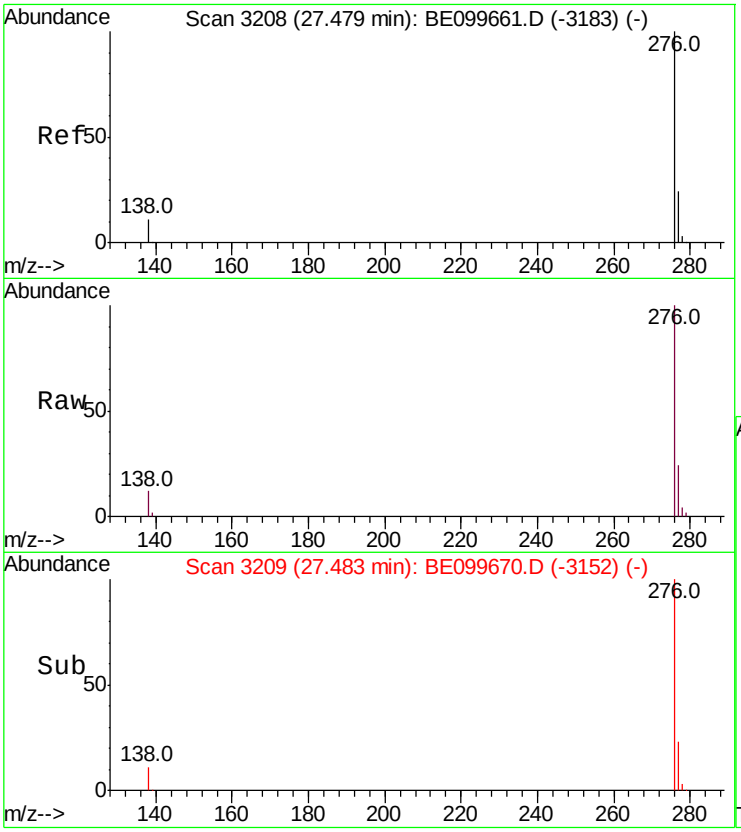


#38
Dibenzo(a,h)anthracene
Concen: 0.378 ng
RT: 26.68 min Scan# 2984
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Tgt Ion:278 Resp: 18982

Ion	Ratio	Lower	Upper
278	100		
139	9.3	6.9	10.3
279	25.1	19.2	28.8





#39
Benzo(g,h,i)perylene
Concen: 0.394 ng
RT: 27.48 min Scan# 3209
Delta R.T. 0.00 min
Lab File: BE099670.D
Acq: 20 May 2019 21:07

Instrument :
BNA_E
ClientSampleId :
PB119824BSD

Tgt Ion:276 Resp: 19991

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.8	29.6
138	11.7	9.2	13.8