Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE042919\
Data File : BE099413.D
Acq On : 29 Apr 2019 17:54
Operator : JU/SJ
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC5.0

Quant Time: Apr 29 18:28:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 16:46:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	2100	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	8505	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	6690	0.40	ng		0.00
19) Phenanthrene-d10	17.19	188	19513	0.40	ng		0.00
27) Chrysene-d12	21.37	240	29355	0.40	ng		0.00
34) Perylene-d12	23.87	264	30121	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	29946	5.84	ng		0.00
5) Phenol-d6	6.97	99	42626	5.82	ng		0.00
8) Nitrobenzene-d5	8.96	82	42972	6.51	ng		0.00
11) 2-Methylnaphthalene-d10	12.19	152	79543	5.30	ng		0.00
14) 2,4,6-Tribromophenol	15.94	330	24202	10.89	ng		0.00
15) 2-Fluorobiphenyl	13.09	172	125296	4.76	ng		0.00
25) Fluoranthene-d10	19.22	212	1361339	5.81	ng		0.00
29) Terphenyl-d14	19.82	244	279943	4.85	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	13879	4.721	ng		95
3) n-Nitrosodimethylamine	3.63	42	10414	6.583	ng	#	94
6) bis(2-Chloroethyl)ether	7.23	93	35422	5.185	ng		99
9) Naphthalene	10.65	128	466811	5.031	ng		99
10) Hexachlorobutadiene	10.93	225	31461	5.341	ng		99
12) 2-Methylnaphthalene	12.27	142	83853	5.311	ng		97
16) Acenaphthylene	14.18	152	173443	5.736	ng		99
17) Acenaphthene	14.51	154	96227	5.164	ng		97
18) Fluorene	15.49	166	139671	5.217	ng		99
20) 4-Bromophenyl-phenylether	16.38	248	59461	5.499	ng		93
21) Hexachlorobenzene	16.49	284	57356	5.520	ng		99
22) Pentachlorophenol	16.84	266	32070	11.448	ng		100
23) Phenanthrene	17.23	178	261597	5.063	ng		99
24) Anthracene	17.32	178	256655	5.584	ng		99
26) Fluoranthene	19.25	202	391497	5.661	ng		100
28) Pyrene	19.62	202	402000	4.648	ng		99
30) Benzo(a)anthracene	21.35	228	467961	5.423	ng		99
31) Chrysene	21.40	228	450576	4.906	ng		99
32) Bis(2-ethylhexyl)phthalate	21.27	149	665266	8.472	ng		99
33) Indeno(1,2,3-cd)pyrene	26.51	276	541416	5.970	ng		99
35) Benzo(b)fluoranthene	23.10	252	448663	4.865	ng	#	98
36) Benzo(k)fluoranthene	23.15	252	434032	4.721	ng		97
37) Benzo(a)pyrene	23.76	252	423688	5.128	ng	#	96
38) Dibenzo(a,h)anthracene	26.54	278	445720	5.281	ng		97
39) Benzo(g,h,i)perylene	27.33	276	439479	5.133	ng		98

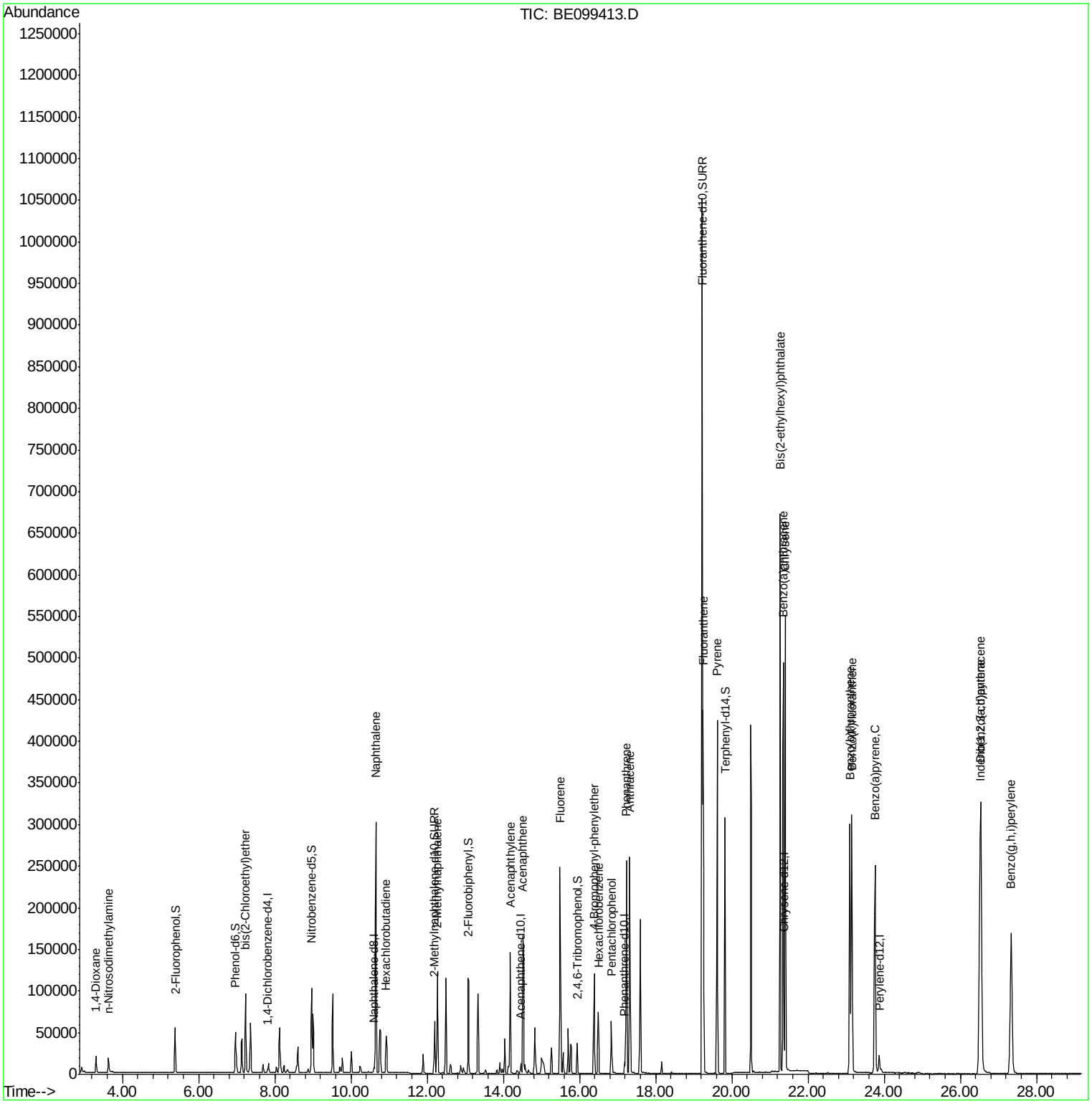
(#) = qualifier out of range (m) = manual integration (+) = signals summed

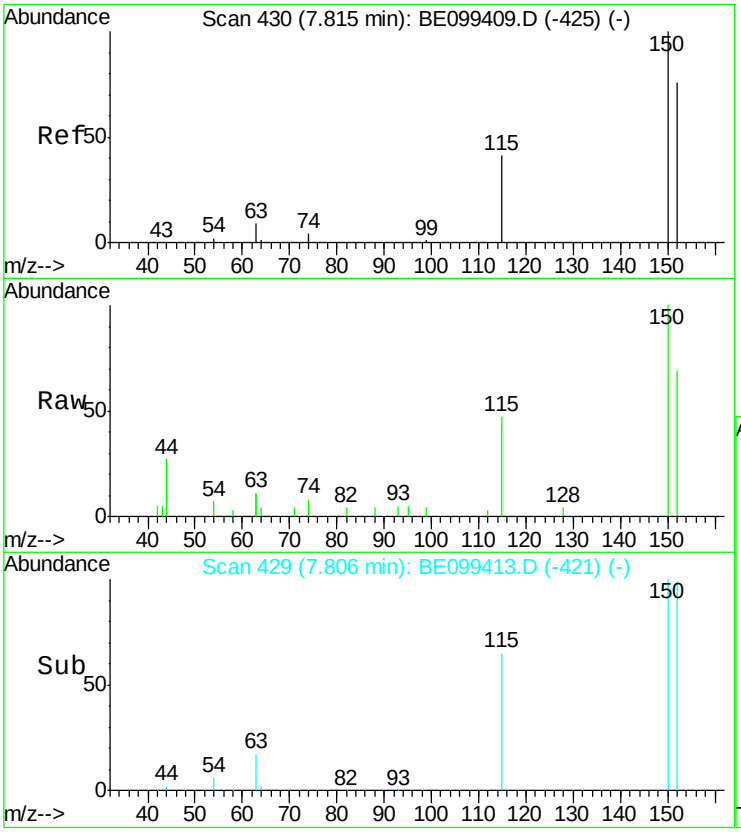
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE042919\
Data File : BE099413.D
Acq On : 29 Apr 2019 17:54
Operator : JU/SJ
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Quant Time: Apr 29 18:28:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 16:46:21 2019
Response via : Initial Calibration



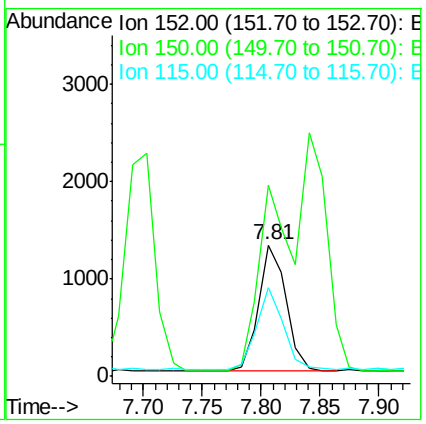


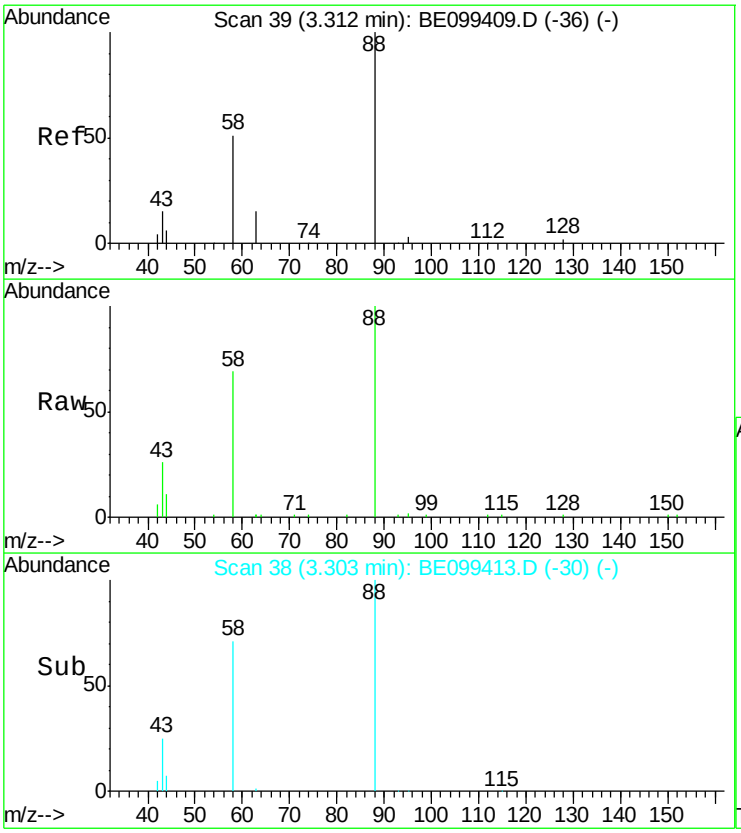
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 2100

Ion	Ratio	Lower	Upper
152	100		
150	145.1	104.8	157.2
115	68.0	46.6	69.8

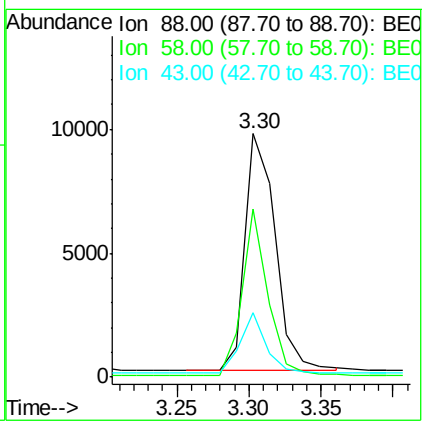


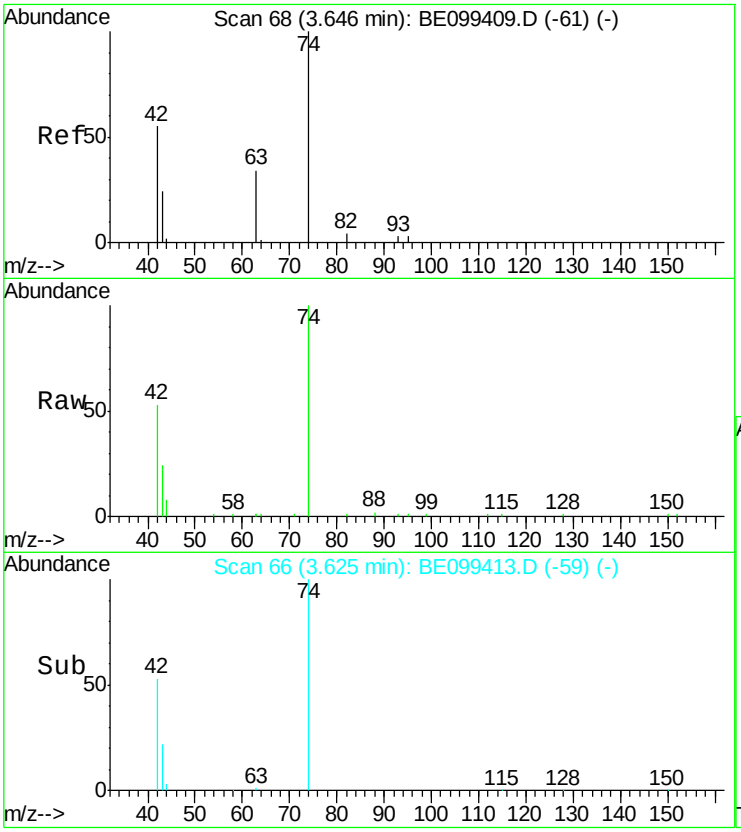


#2
1,4-Dioxane
Concen: 4.721 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.01 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion: 88 Resp: 13879

Ion	Ratio	Lower	Upper
88	100		
58	60.1	51.0	76.6
43	22.4	20.6	30.8



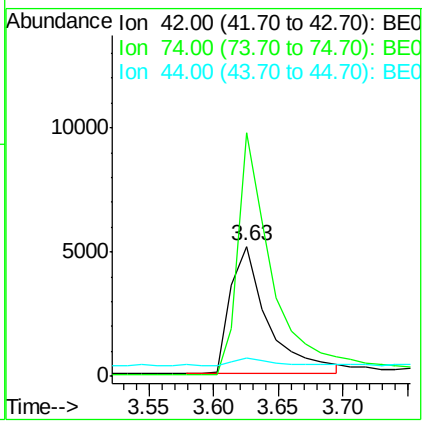


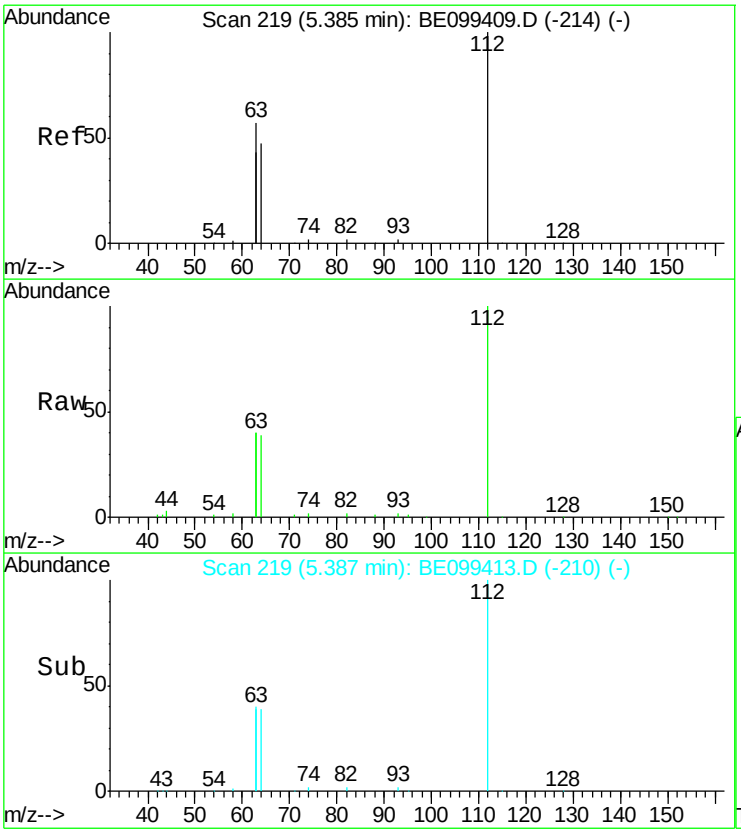
#3
n-Nitrosodimethylamine
Concen: 6.583 ng
RT: 3.63 min Scan# 66
Delta R.T. -0.02 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 10414

Ion	Ratio	Lower	Upper
42	100		
74	169.0	141.6	212.4
44	6.4	0.0	0.0#

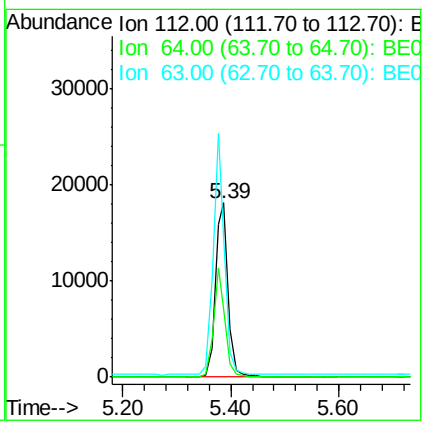


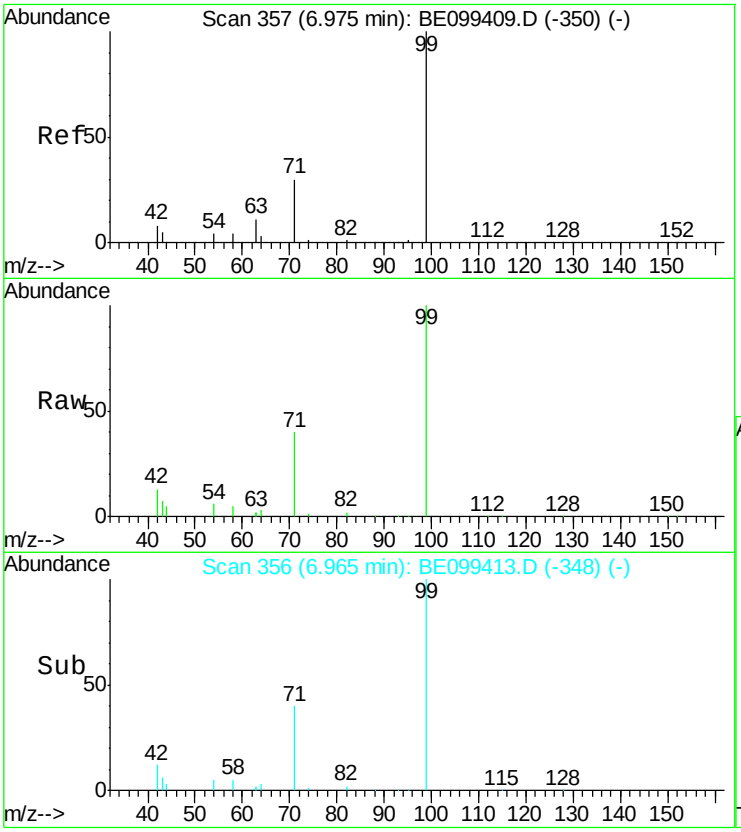


#4
2-Fluorophenol
Concen: 5.836 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion:112 Resp: 29946

Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.4	71.0
63	123.0	104.3	156.5



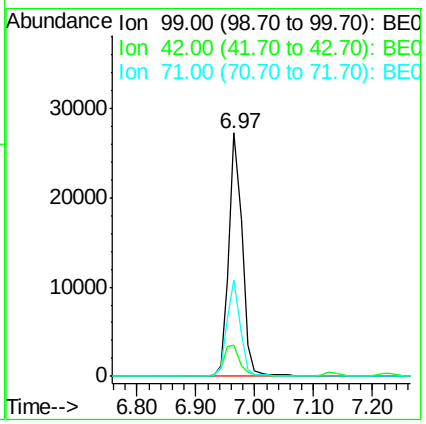


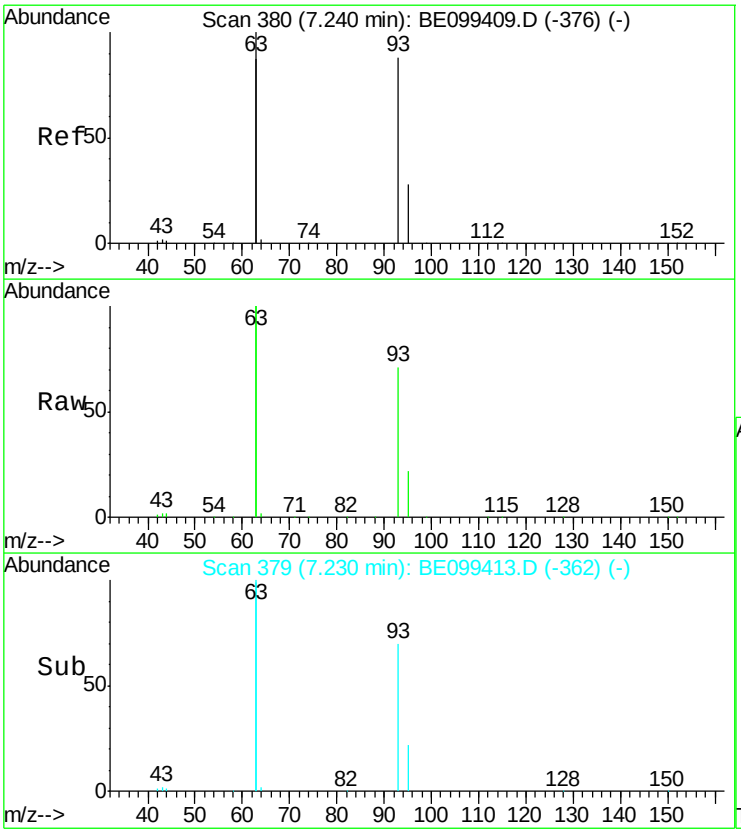
#5
Phenol-d6
Concen: 5.821 ng
RT: 6.97 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 42626

Ion	Ratio	Lower	Upper
99	100		
42	15.1	14.9	22.3
71	39.4	33.0	49.6

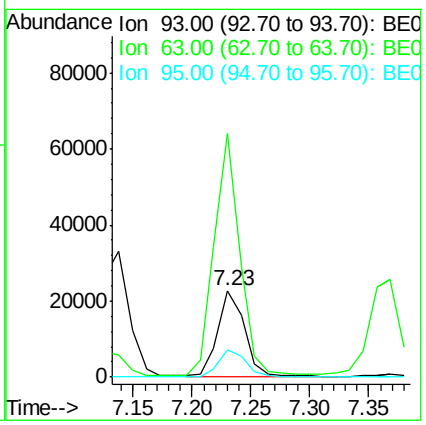


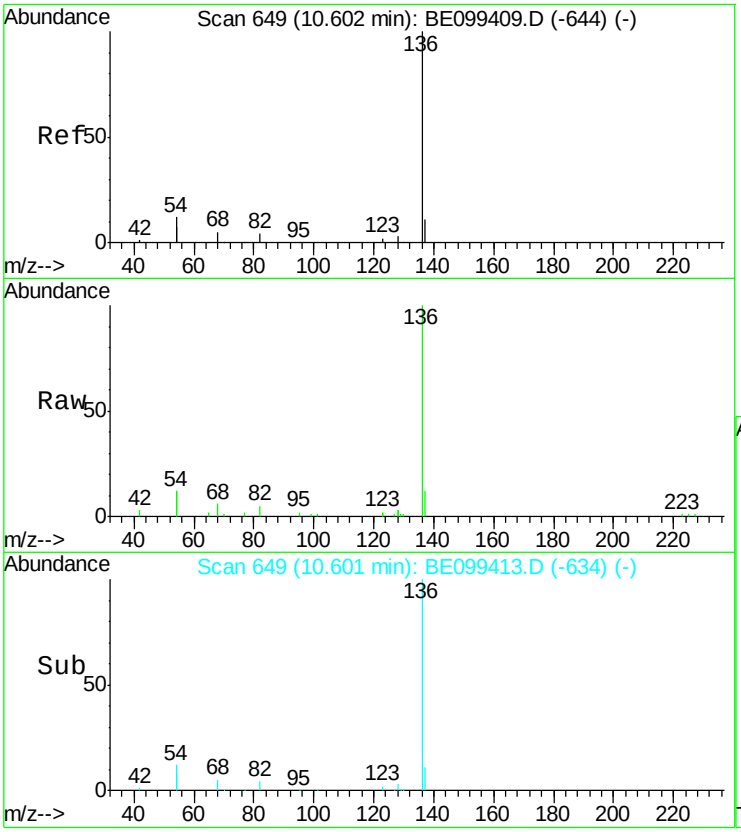


#6
bis(2-Chloroethyl)ether
Concen: 5.185 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion: 93 Resp: 35422

Ion	Ratio	Lower	Upper
93	100		
63	270.6	215.6	323.4
95	32.3	26.2	39.2



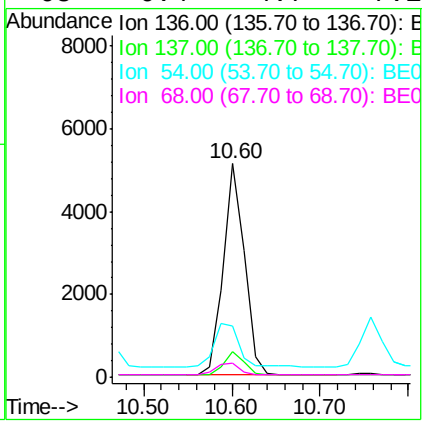


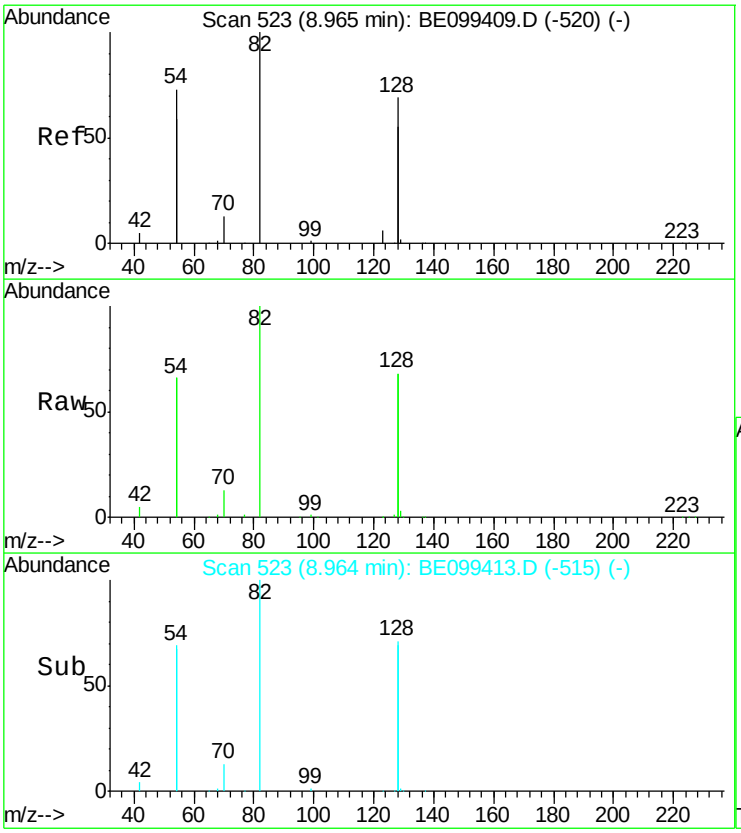
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 8505

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.8	14.8
54	24.0	18.5	27.7
68	6.4	4.7	7.1

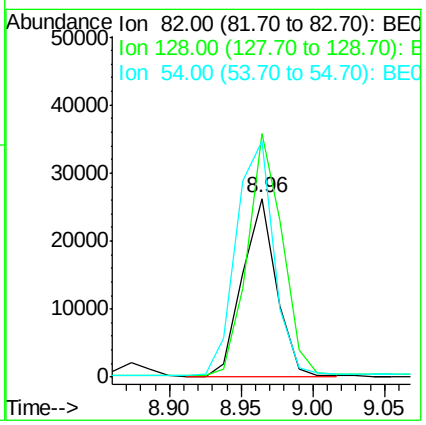


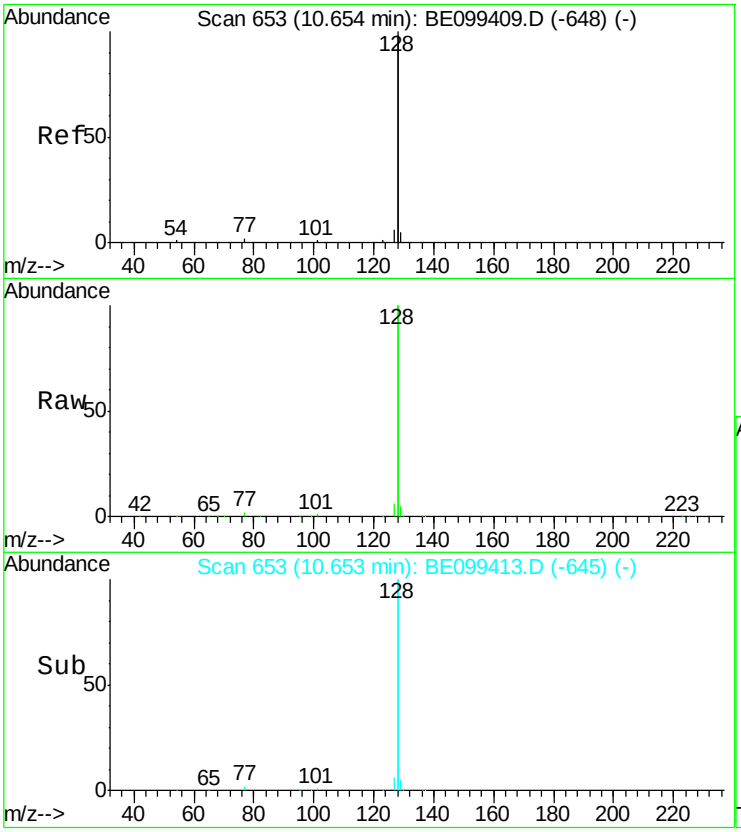


#8
Nitrobenzene-d5
Concen: 6.509 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion: 82 Resp: 42972

Ion	Ratio	Lower	Upper
82	100		
128	136.3	107.0	160.4
54	132.4	113.1	169.7



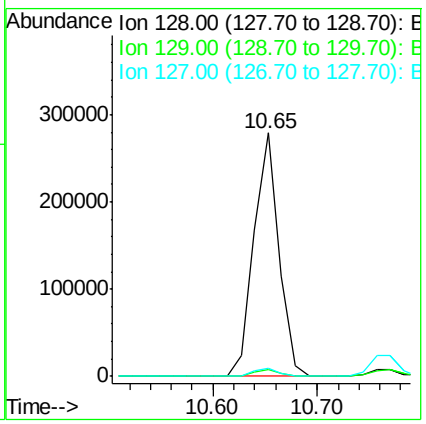


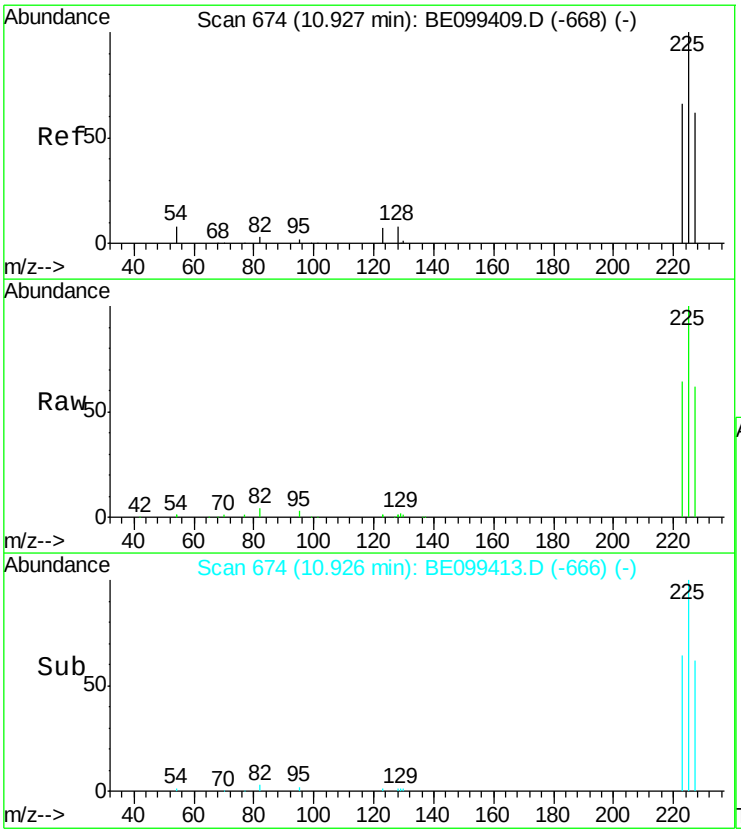
#9
Naphthalene
Concen: 5.031 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 466811

Ion	Ratio	Lower	Upper
128	100		
129	2.7	2.4	3.6
127	3.2	2.8	4.2

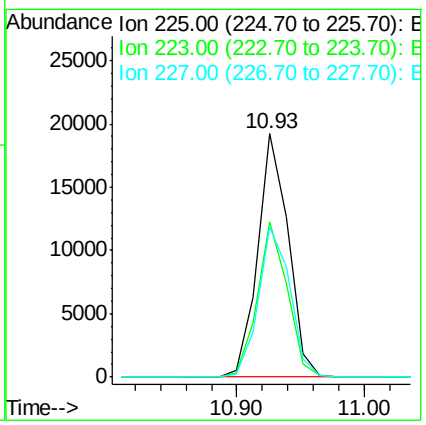


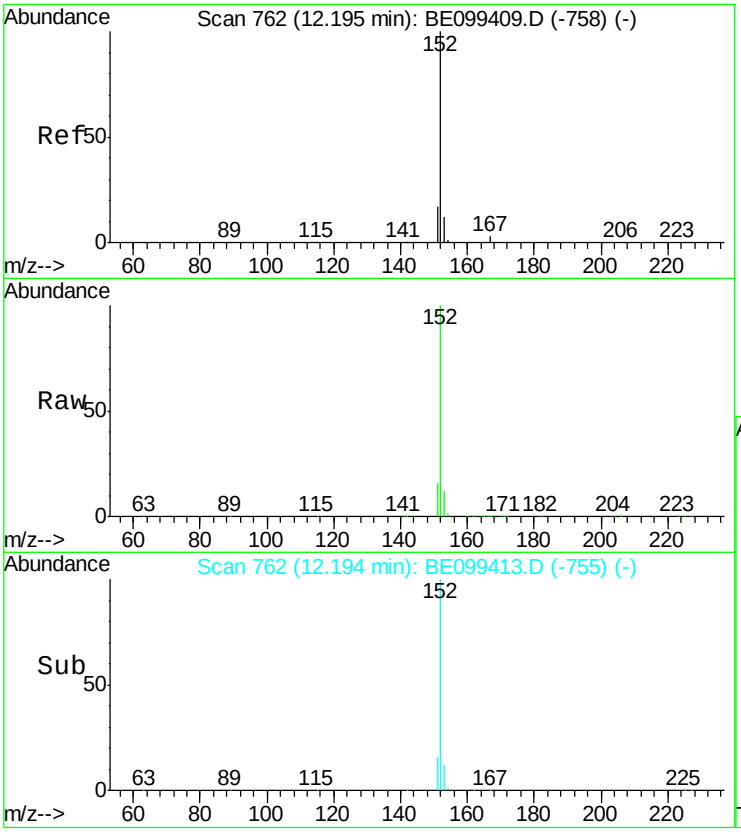


#10
Hexachlorobutadiene
Concen: 5.341 ng
RT: 10.93 min Scan# 674
Delta R.T. -0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion:225 Resp: 31461

Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.0	76.6
227	63.9	50.9	76.3



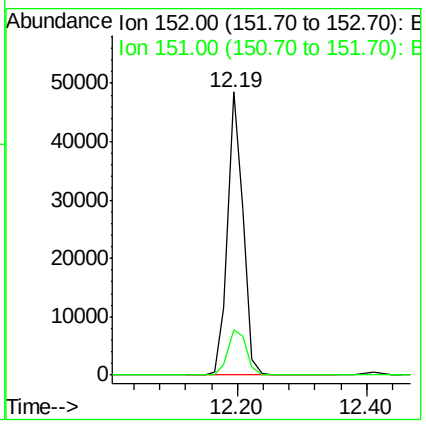


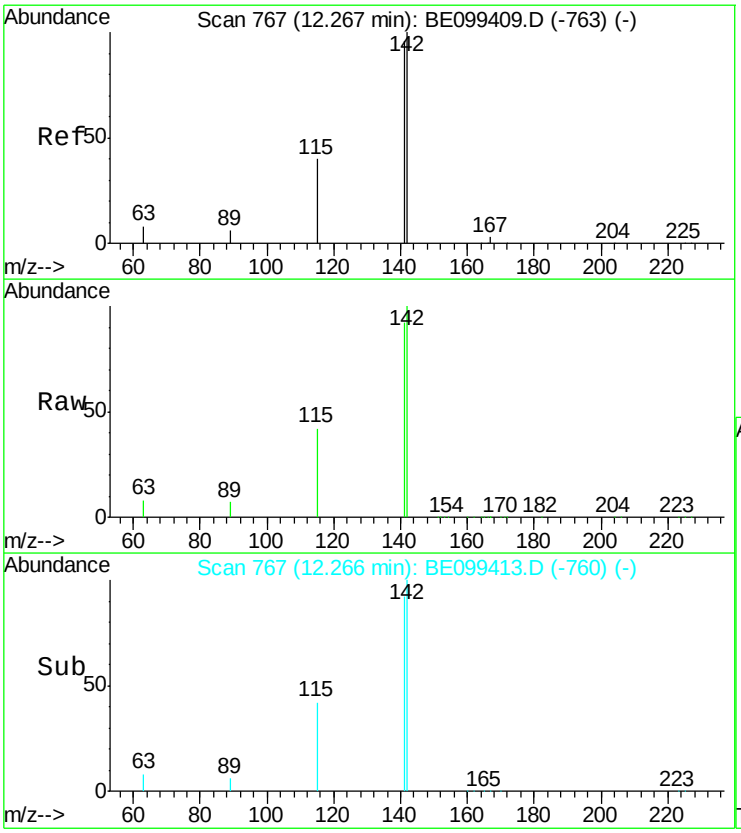
#11
2-Methylnaphthalene-d10
Concen: 5.300 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 79543

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.5	23.3

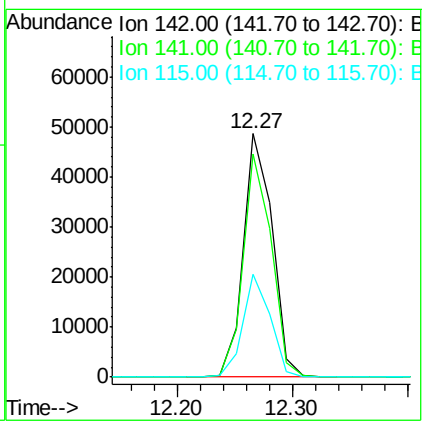


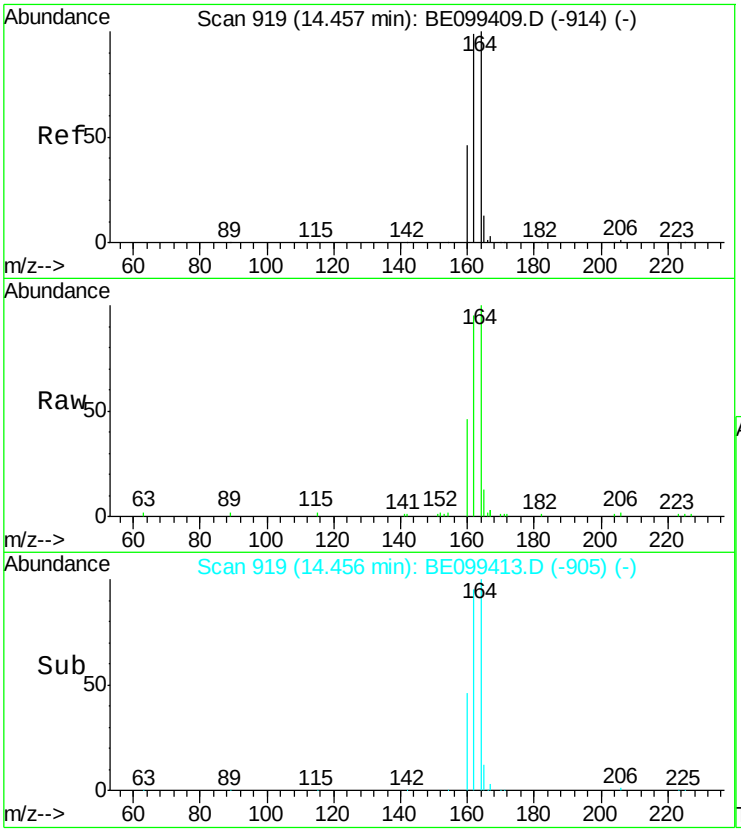


#12
2-Methylnaphthalene
Concen: 5.311 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion:142 Resp: 83853

Ion	Ratio	Lower	Upper
142	100		
141	91.6	77.0	115.4
115	42.2	33.4	50.0



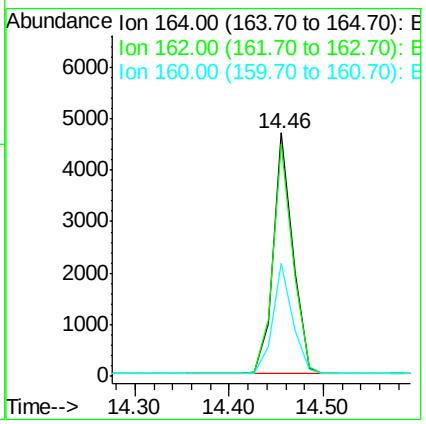


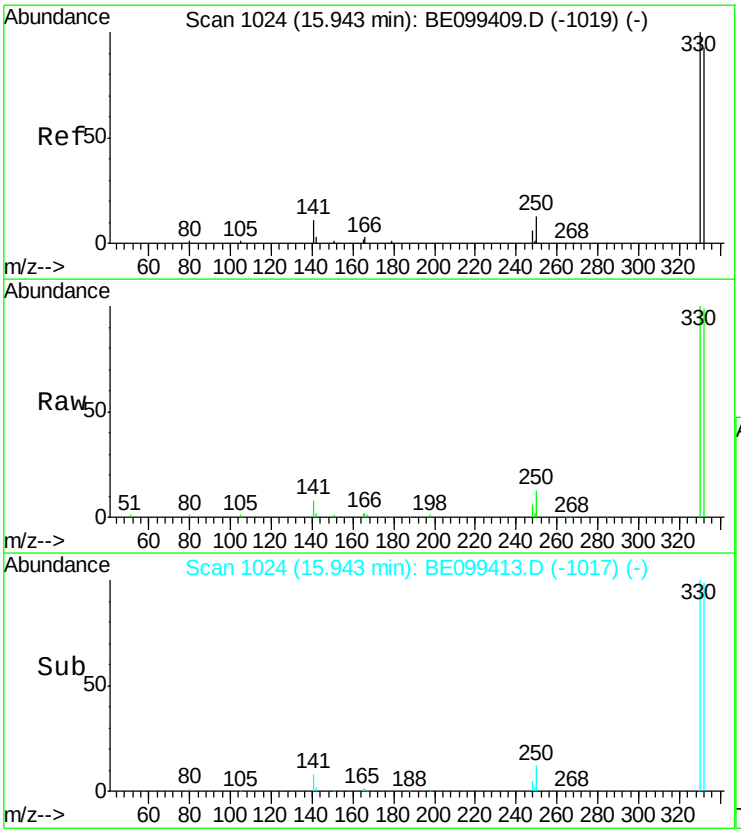
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 6690

Ion	Ratio	Lower	Upper
164	100		
162	95.1	79.0	118.4
160	46.5	37.0	55.4

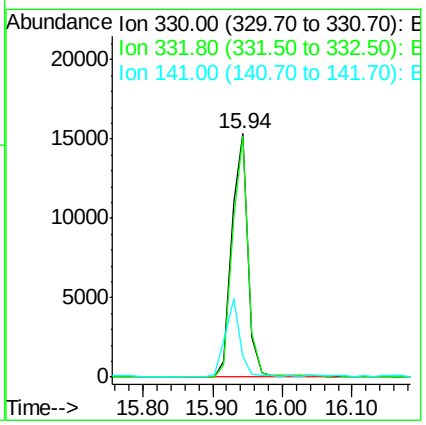


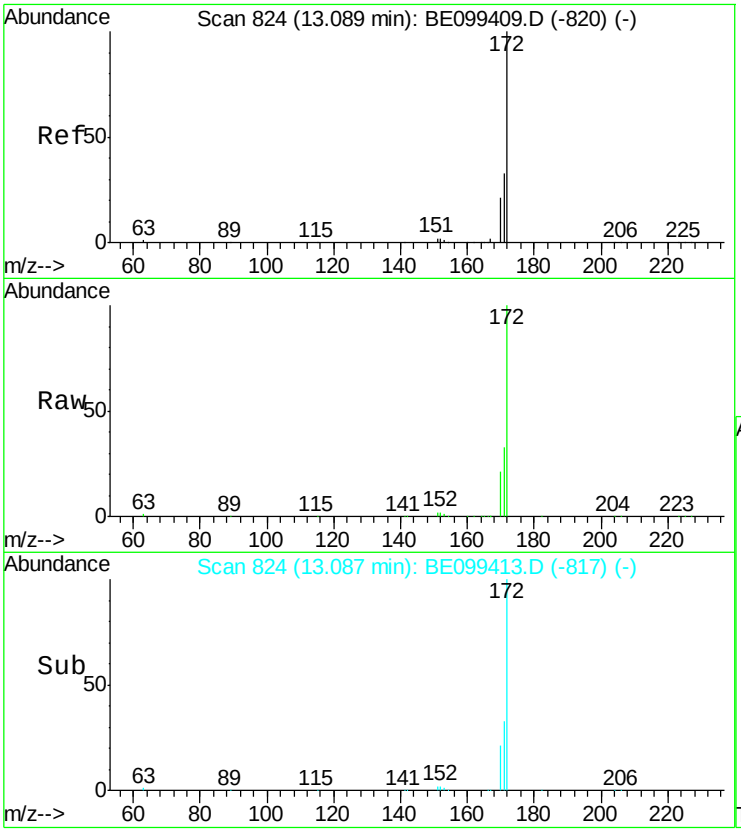


#14
2,4,6-Tribromophenol
Concen: 10.891 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion:330 Resp: 24202

Ion	Ratio	Lower	Upper
330	100		
332	97.0	71.5	107.3
141	28.5	24.0	36.0



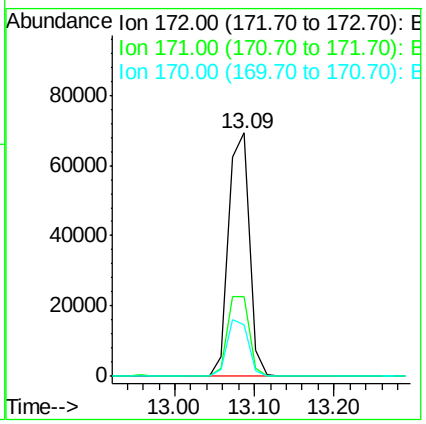


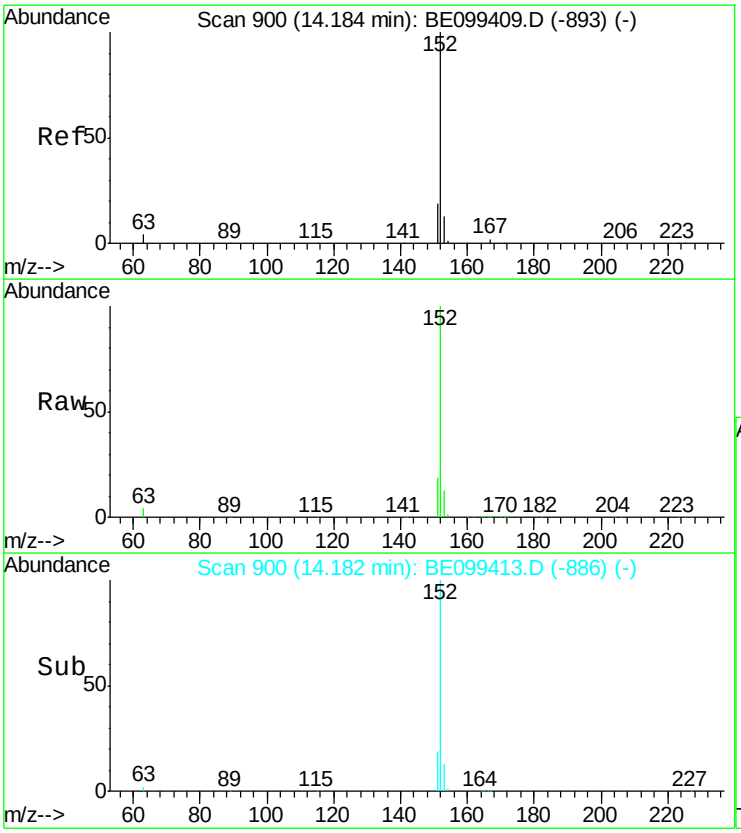
#15
2-Fluorobiphenyl
Concen: 4.765 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 125296

Ion	Ratio	Lower	Upper
172	100		
171	33.0	26.6	39.8
170	21.2	17.0	25.6

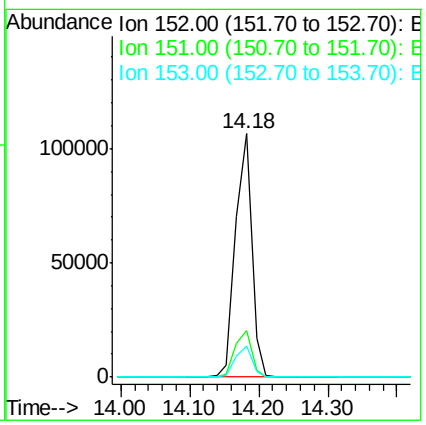


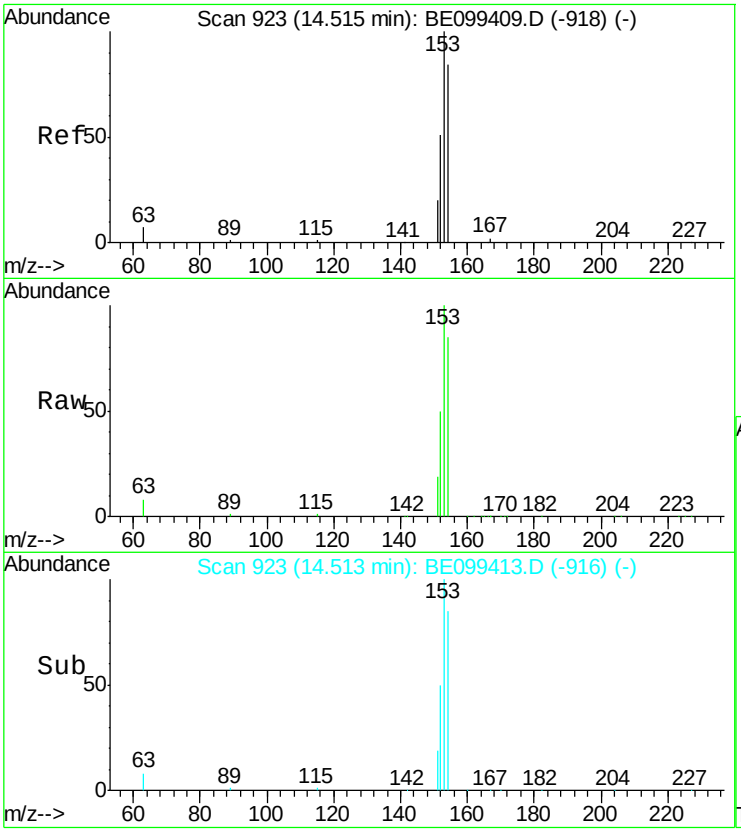


#16
Acenaphthylene
Concen: 5.736 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion:152 Resp: 173443

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.4	23.2
153	12.9	9.8	14.6



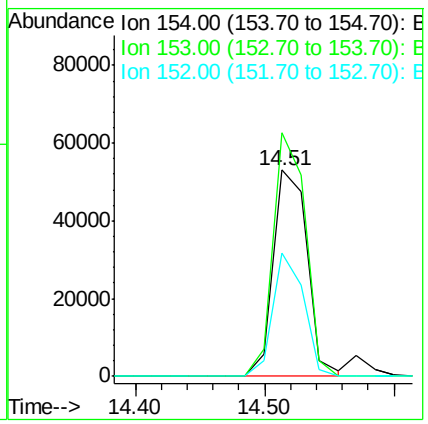


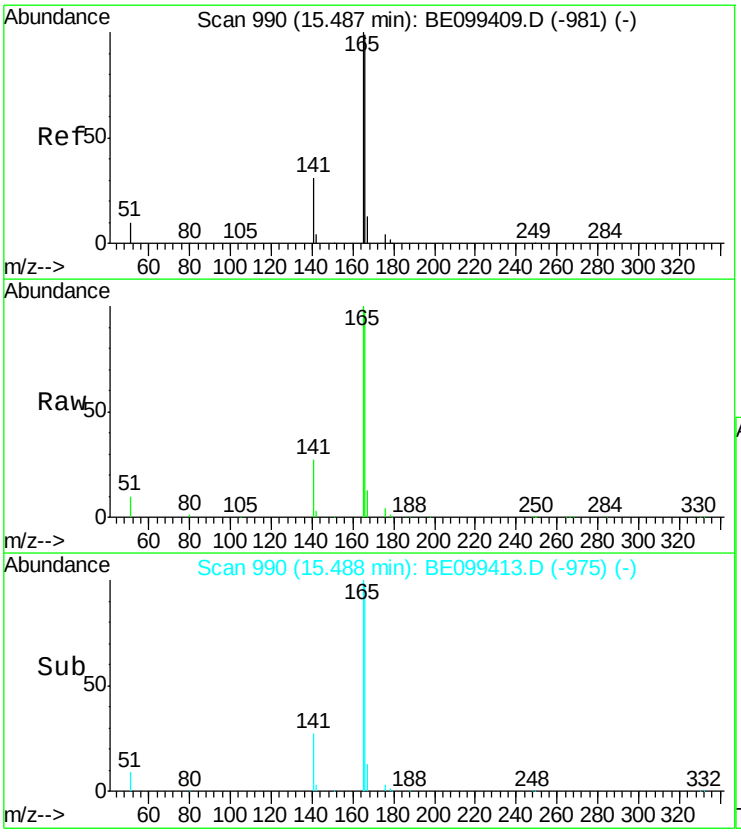
#17
Acenaphthene
Concen: 5.164 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 96227

Ion	Ratio	Lower	Upper
154	100		
153	113.0	92.6	138.8
152	54.7	45.8	68.8

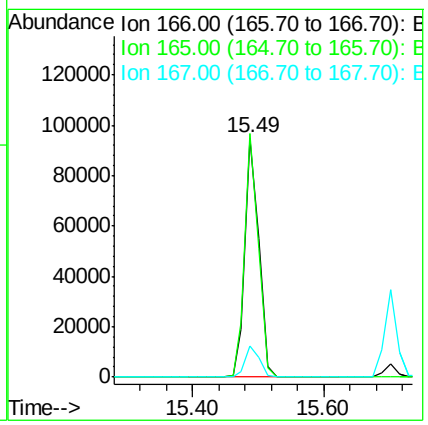


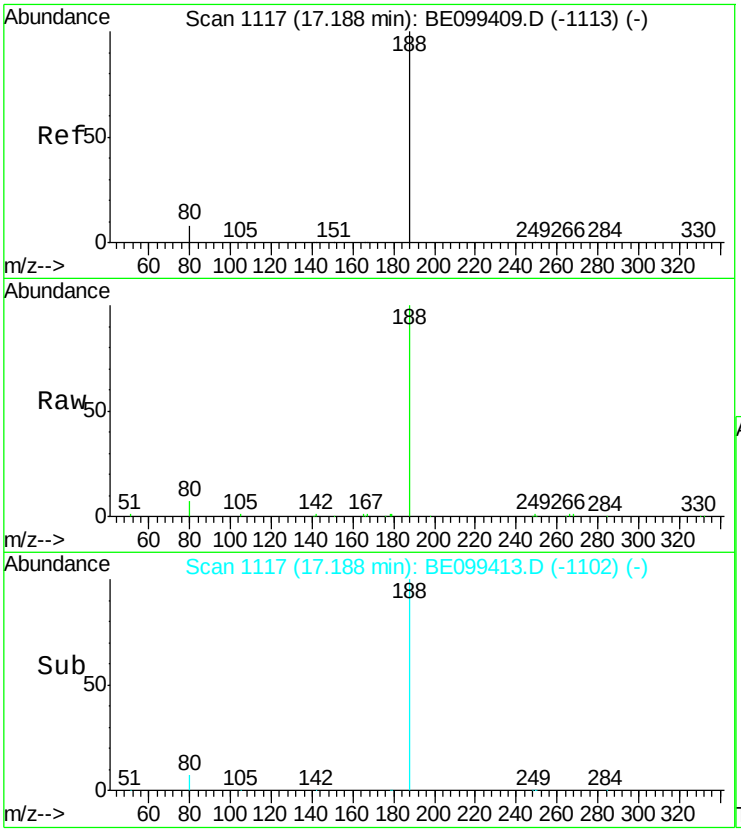


#18
Fluorene
Concen: 5.217 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion:166 Resp: 139671

Ion	Ratio	Lower	Upper
166	100		
165	99.6	80.3	120.5
167	13.3	10.7	16.1



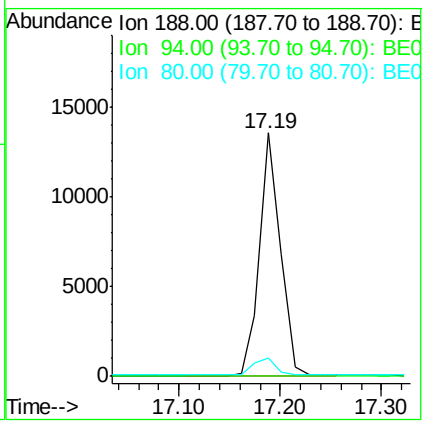


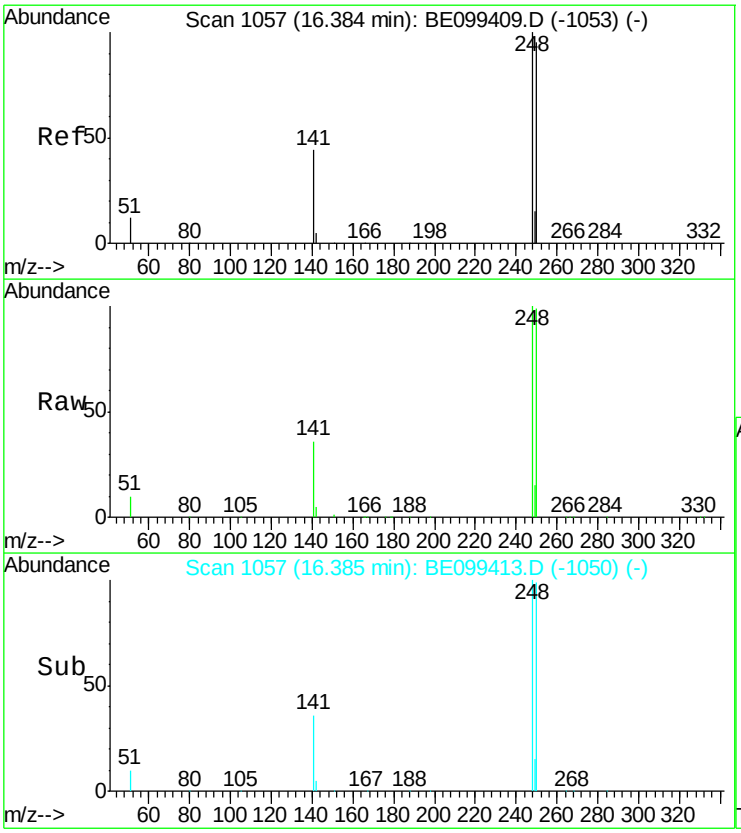
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 19513

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.3	6.7	10.1

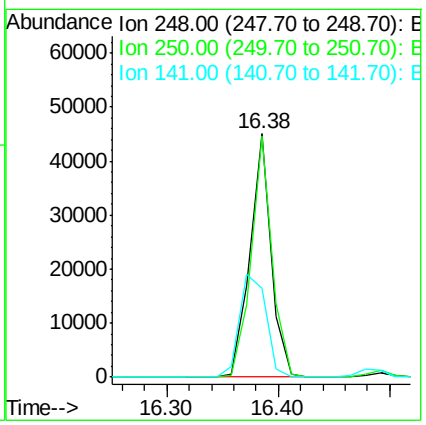


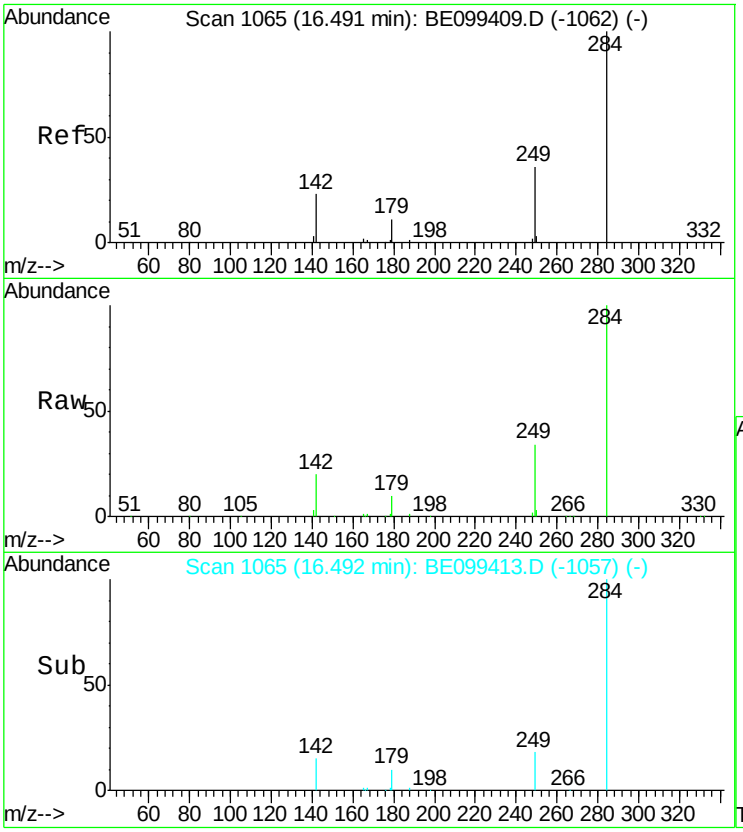


#20
4-Bromophenyl-phenylether
Concen: 5.499 ng
RT: 16.38 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion:248 Resp: 59461

Ion	Ratio	Lower	Upper
248	100		
250	99.2	75.8	113.8
141	36.2	35.7	53.5



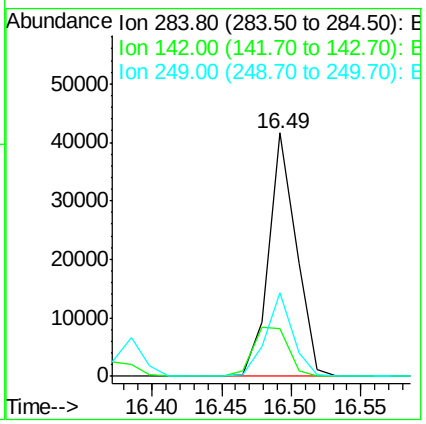


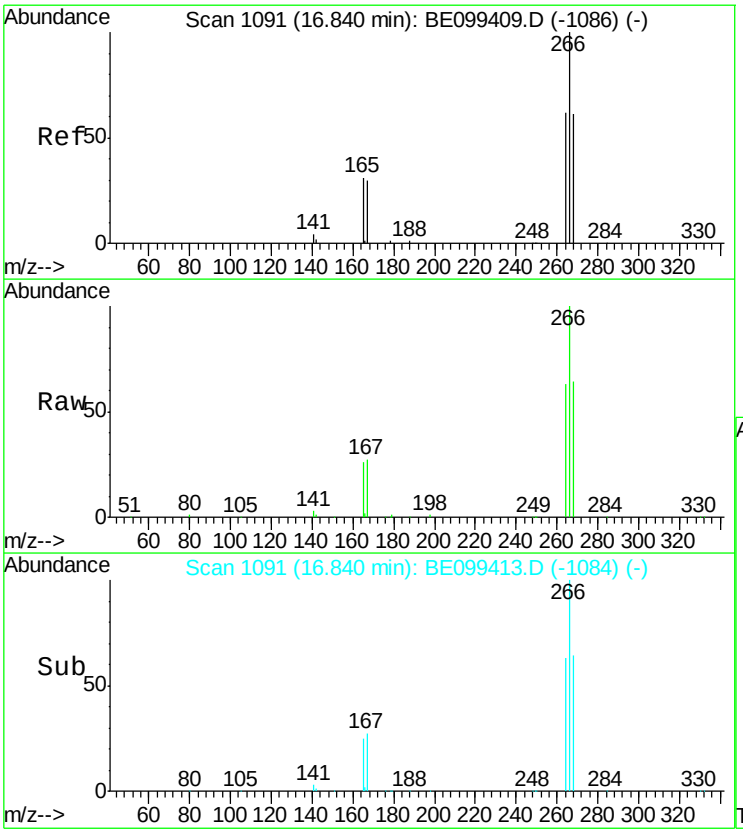
#21
Hexachlorobenzene
Concen: 5.520 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:284 Resp: 57356

Ion	Ratio	Lower	Upper
284	100		
142	25.9	21.0	31.6
249	33.0	26.7	40.1

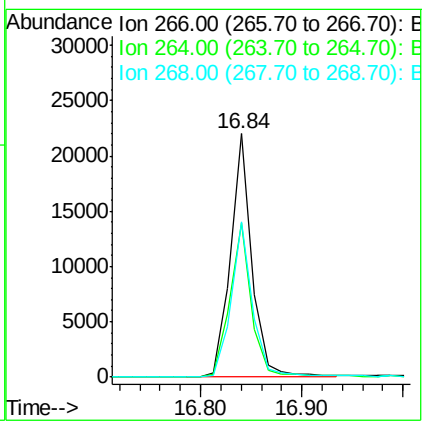


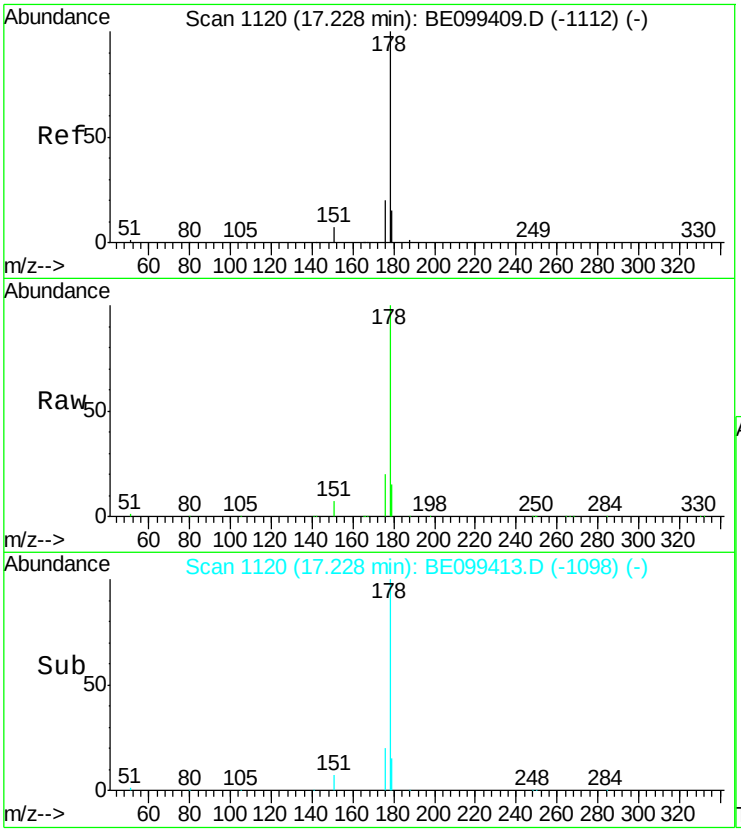


#22
Pentachlorophenol
Concen: 11.448 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion:266 Resp: 32070

Ion	Ratio	Lower	Upper
266	100		
264	63.3	50.8	76.2
268	63.7	50.5	75.7



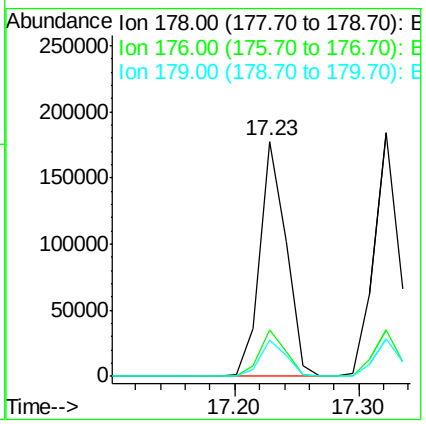


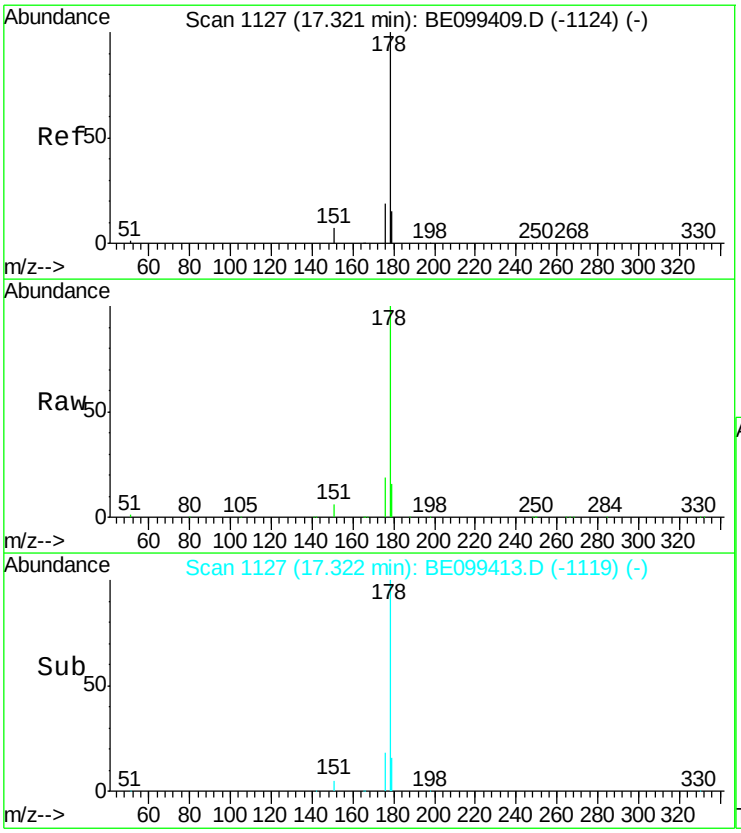
#23
Phenanthrene
Concen: 5.063 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 261597

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	15.3	12.0	18.0

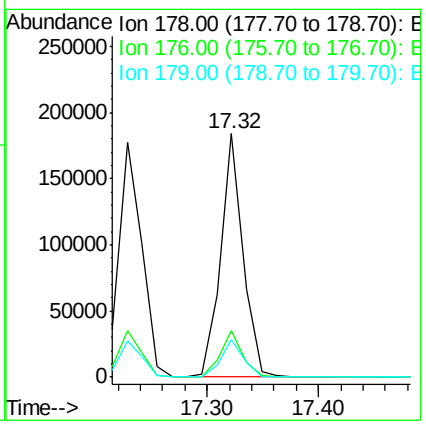


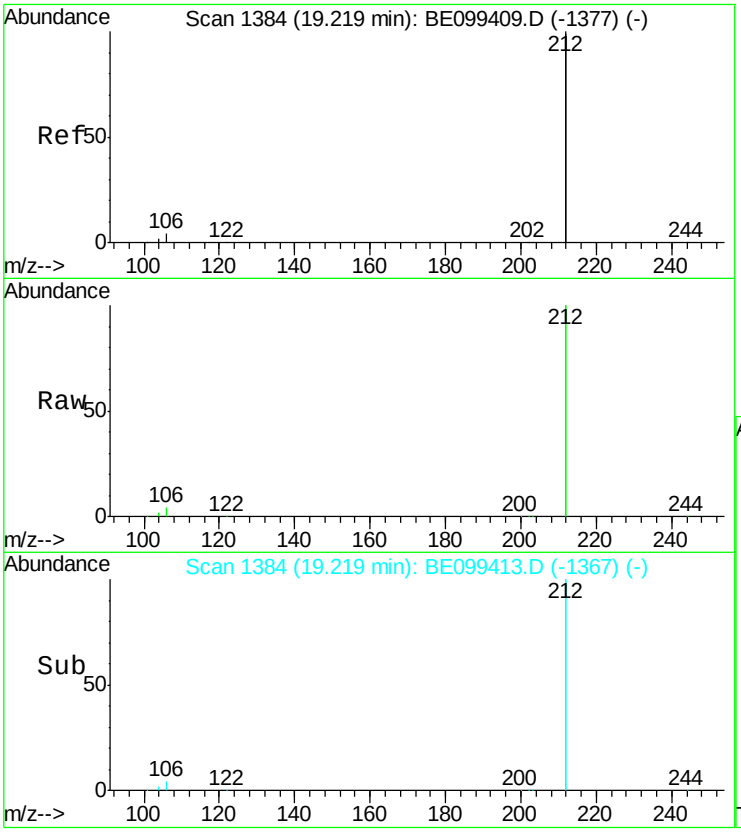


#24
Anthracene
Concen: 5.584 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion:178 Resp: 256655

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.4	11.9	17.9



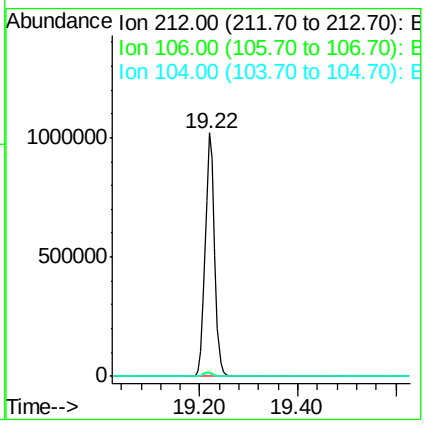


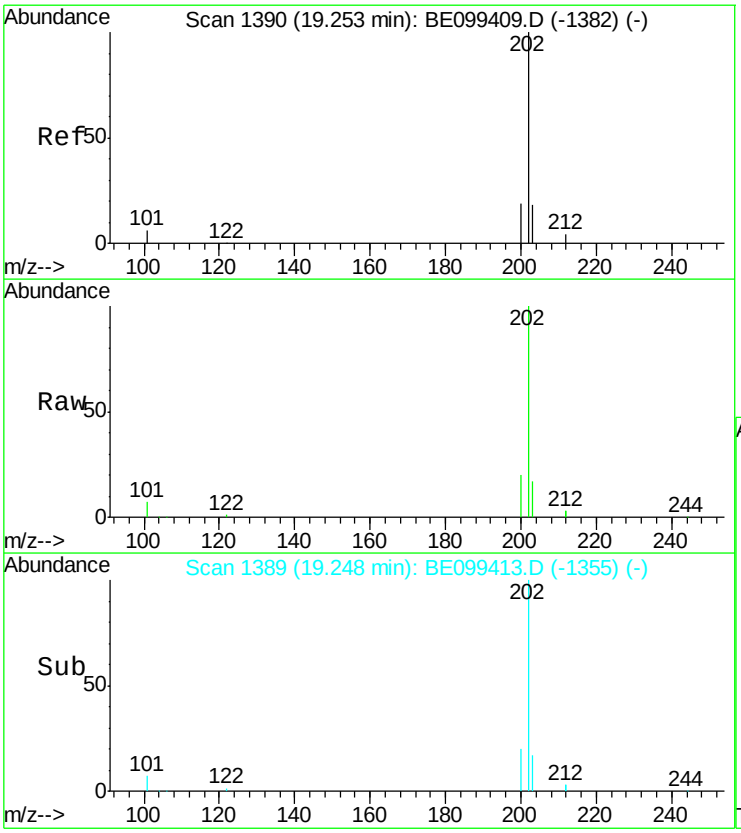
#25
Fluoranthene-d10
Concen: 5.807 ng
RT: 19.22 min Scan# 1384
Delta R.T. 0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:212 Resp: 1361339

Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.5	2.3
104	1.1	0.9	1.3

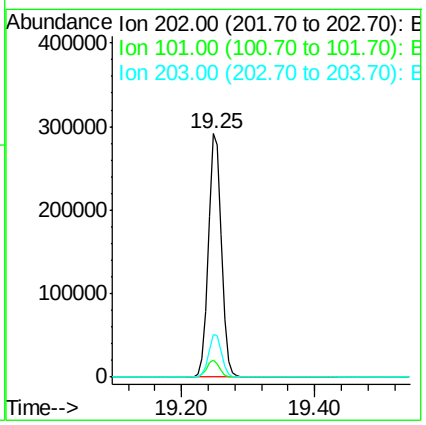


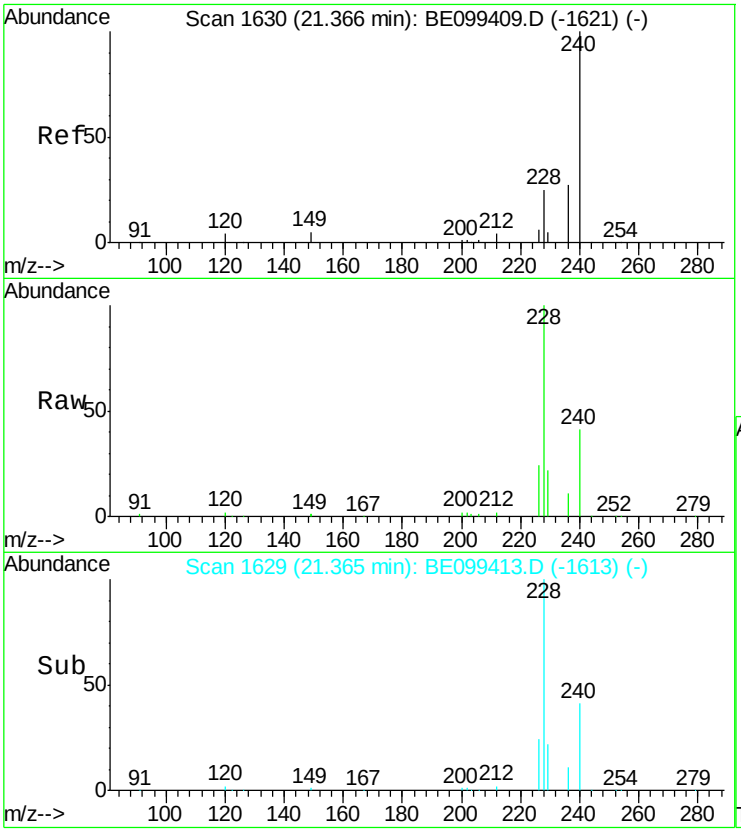


#26
Fluoranthene
Concen: 5.661 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion:202 Resp: 391497

Ion	Ratio	Lower	Upper
202	100		
101	6.8	5.4	8.0
203	17.5	13.9	20.9



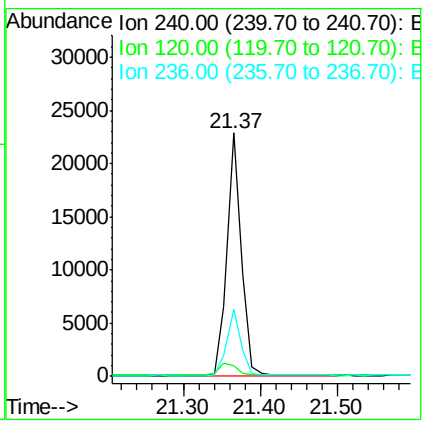


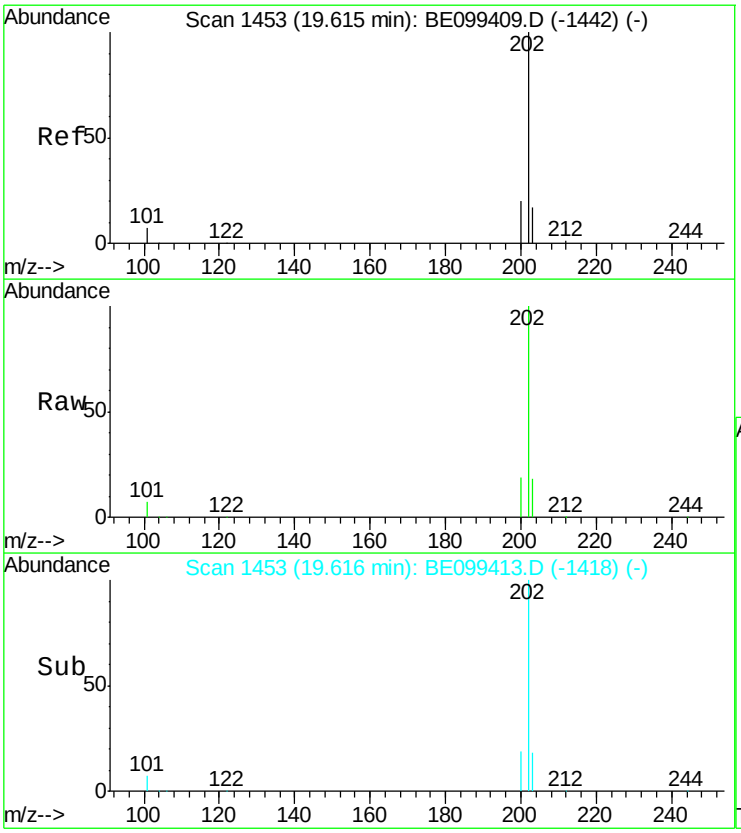
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:240 Resp: 29355

Ion	Ratio	Lower	Upper
240	100		
120	4.6	4.0	6.0
236	27.3	22.0	33.0

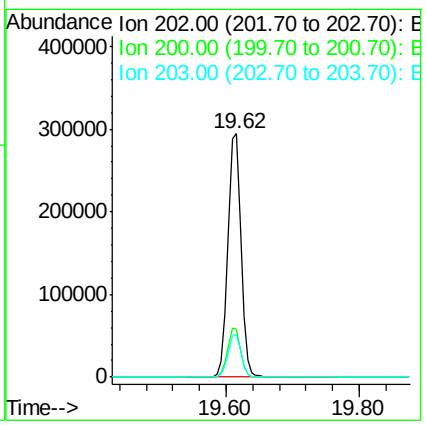


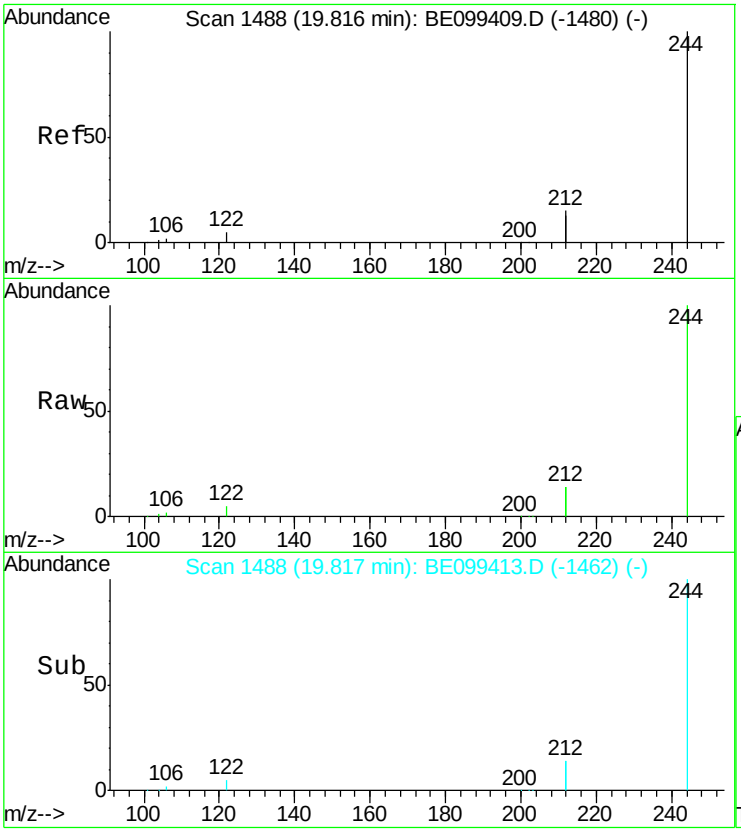


#28
Pyrene
Concen: 4.648 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion:202 Resp: 402000

Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.7	23.5
203	17.6	13.9	20.9



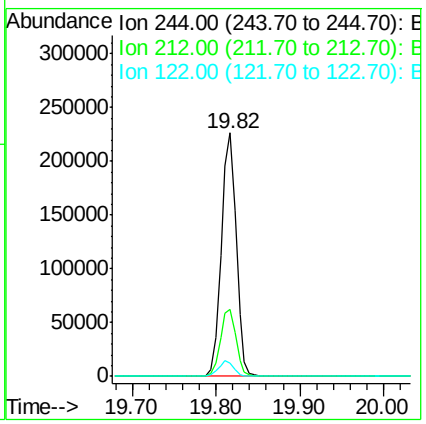


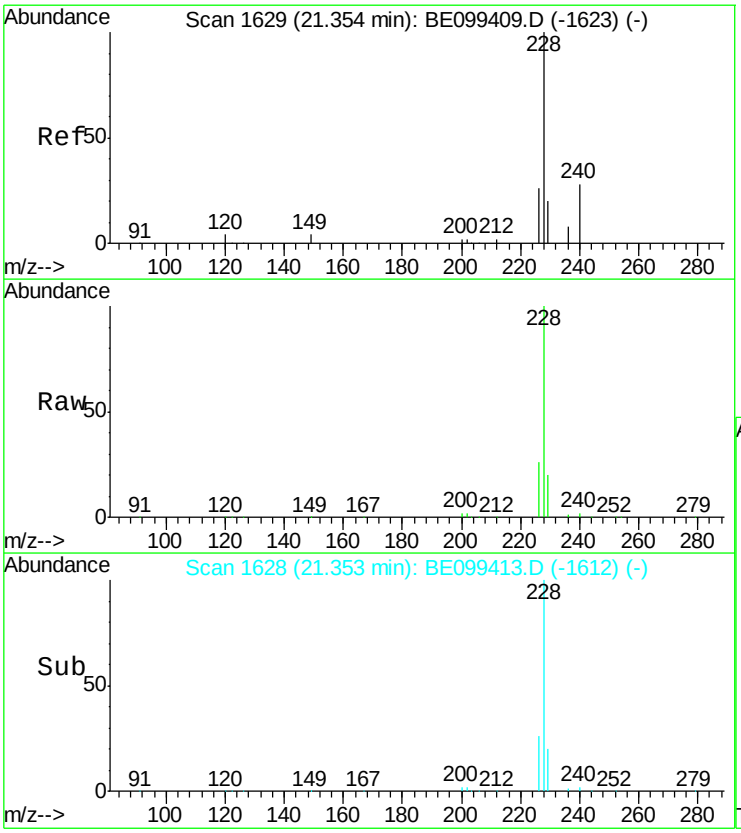
#29
Terphenyl-d14
Concen: 4.845 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:244 Resp: 279943

Ion	Ratio	Lower	Upper
244	100		
212	27.7	23.2	34.8
122	5.3	4.2	6.4

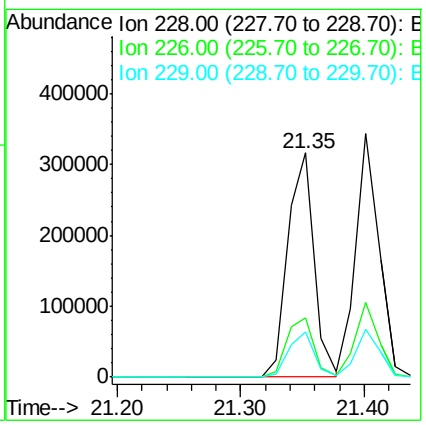


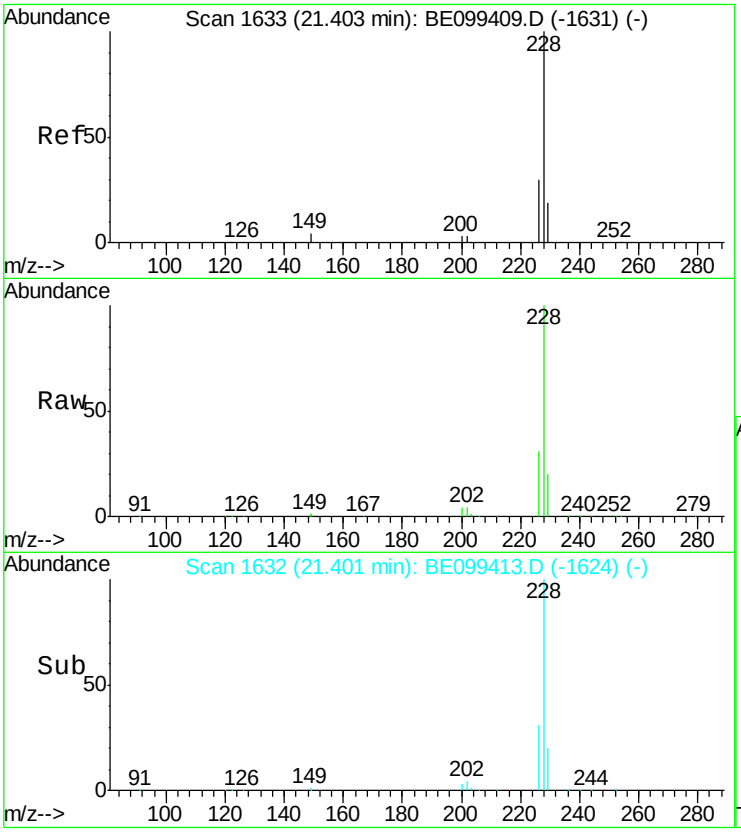


#30
Benzo(a)anthracene
Concen: 5.423 ng
RT: 21.35 min Scan# 1628
Delta R.T. -0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion:228 Resp: 467961

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.0	31.6
229	20.3	16.6	25.0



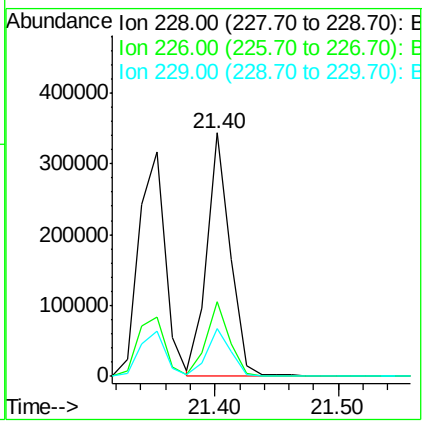


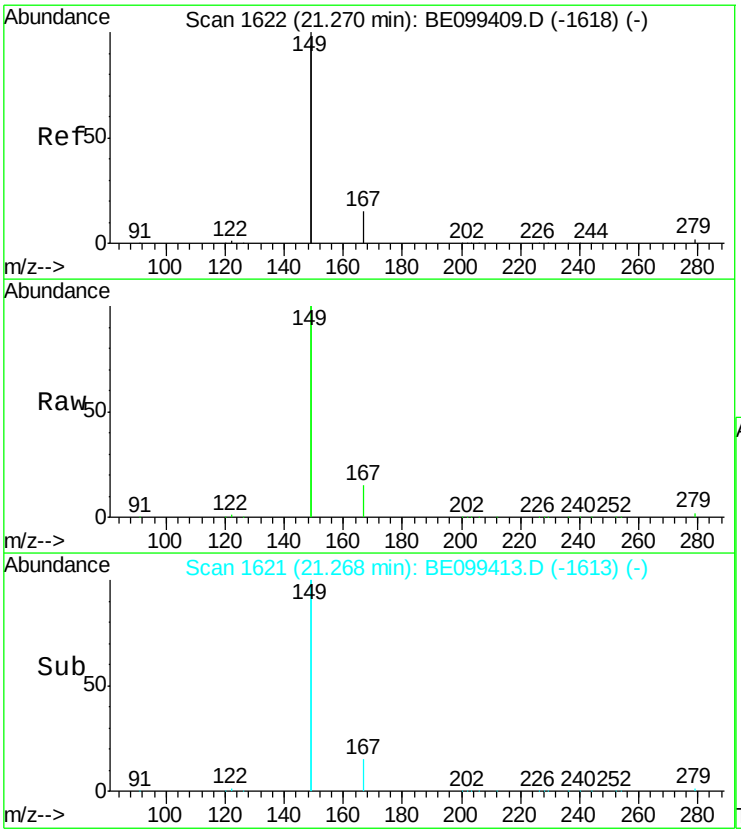
#31
Chrysene
Concen: 4.906 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 450576

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	19.8	15.8	23.8

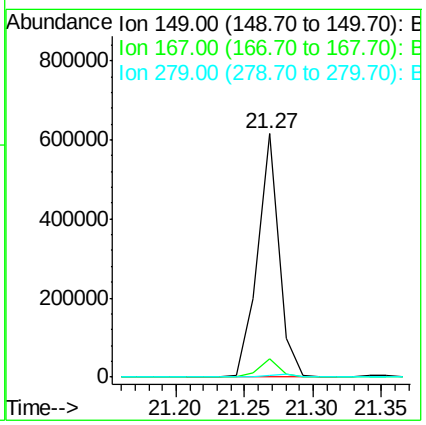


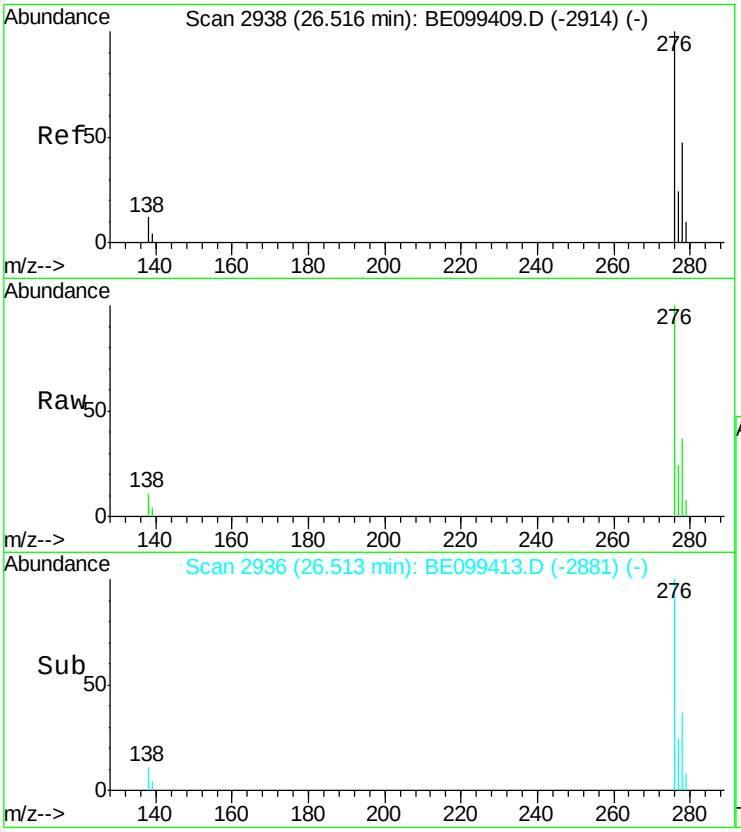


#32
Bis(2-ethylhexyl)phthalate
Concen: 8.472 ng
RT: 21.27 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion:149 Resp: 665266

Ion	Ratio	Lower	Upper
149	100		
167	7.6	5.8	8.6
279	1.4	1.0	1.6



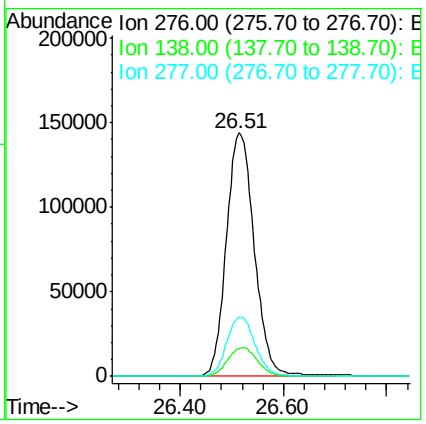


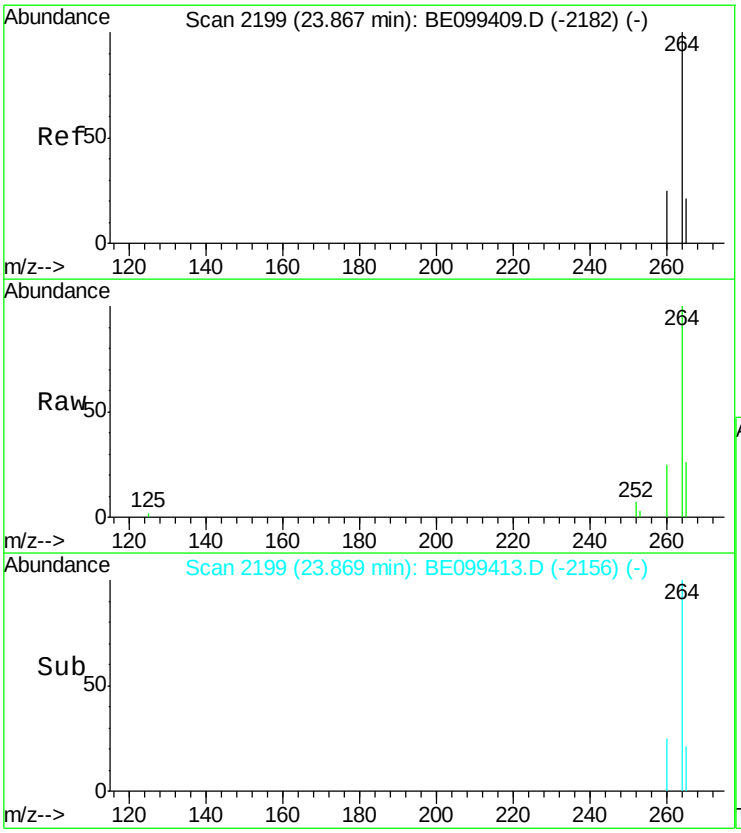
#33
Indeno(1,2,3-cd)pyrene
Concen: 5.970 ng
RT: 26.51 min Scan# 2936
Delta R.T. -0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 541416

Ion	Ratio	Lower	Upper
276	100		
138	12.5	10.2	15.2
277	24.9	19.2	28.8

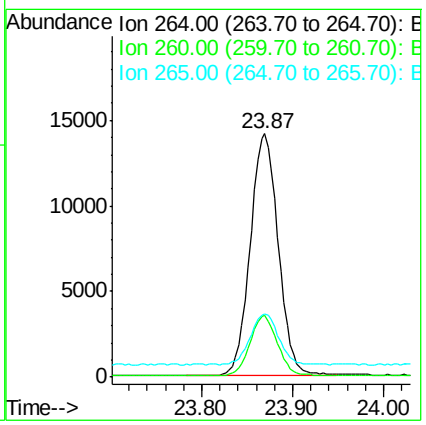


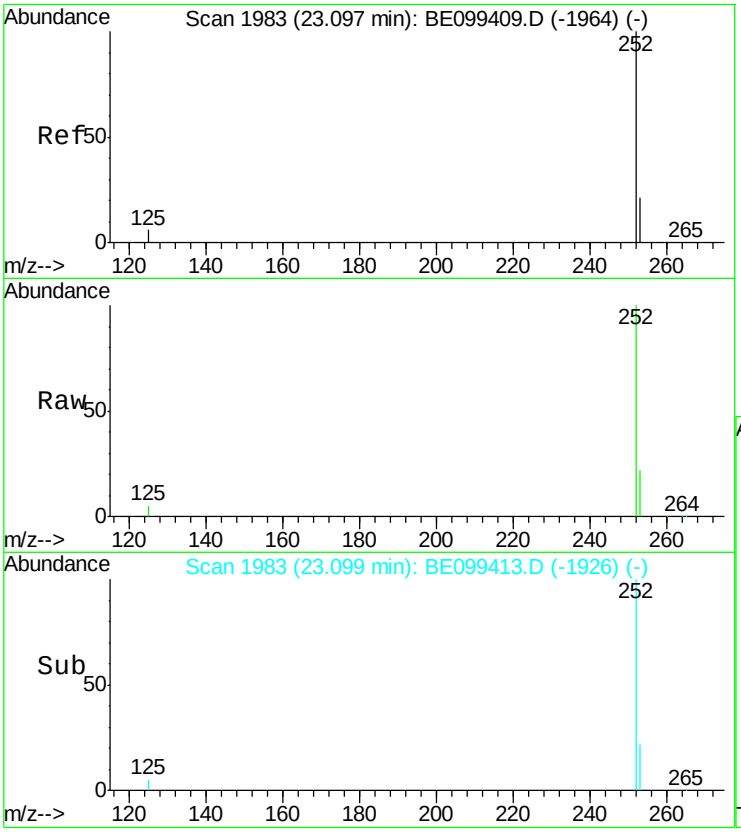


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2199
Delta R.T. 0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion:264 Resp: 30121

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.2	30.2
265	25.9	21.3	31.9



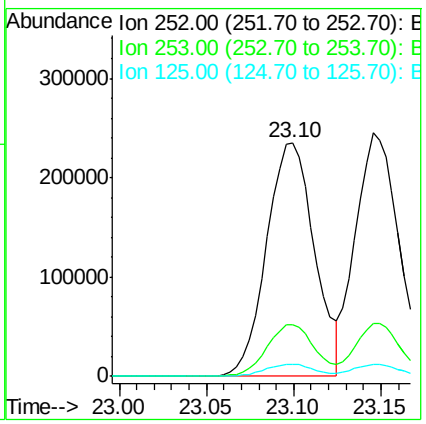


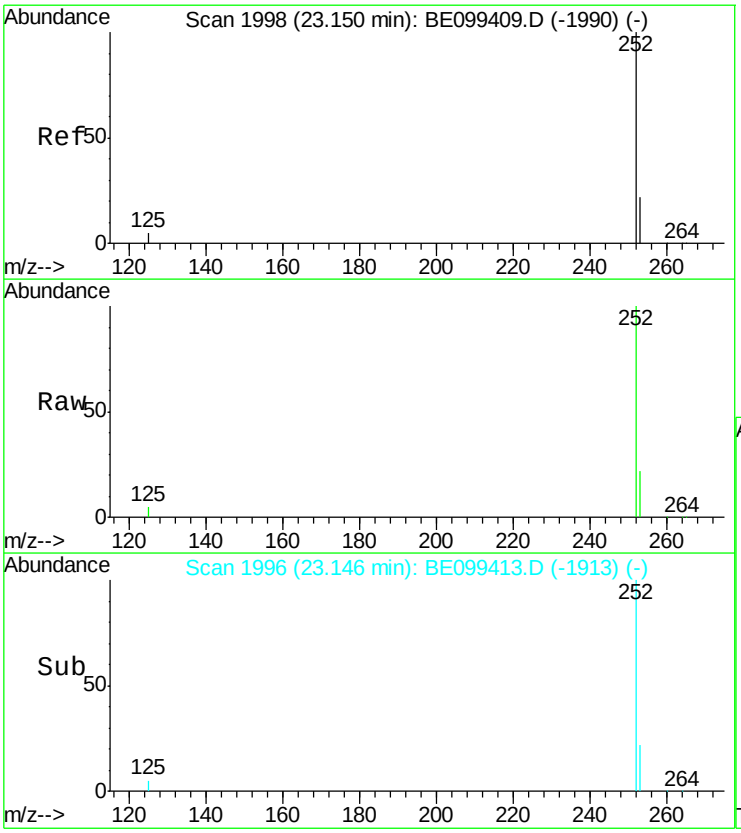
#35
Benzo(b)fluoranthene
Concen: 4.865 ng
RT: 23.10 min Scan# 1983
Delta R.T. 0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 448663

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	5.2	5.6	8.4#

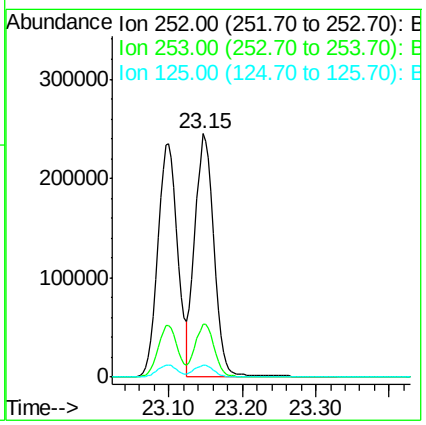


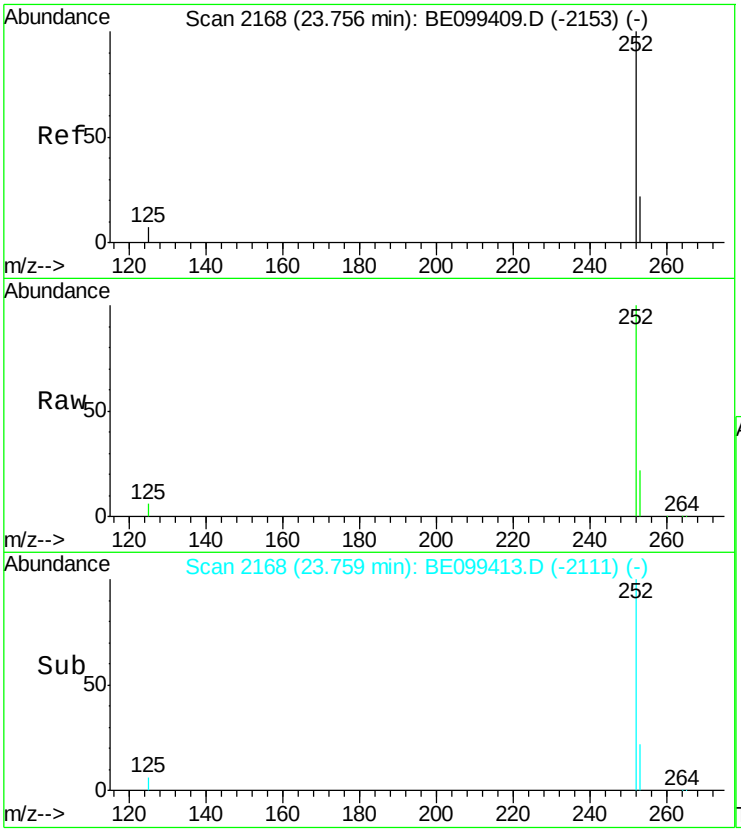


#36
Benzo(k)fluoranthene
Concen: 4.721 ng
RT: 23.15 min Scan# 1996
Delta R.T. -0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion:252 Resp: 434032

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.4	27.6
125	5.2	5.0	7.4



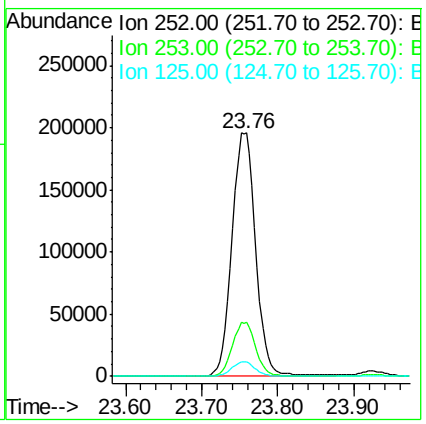


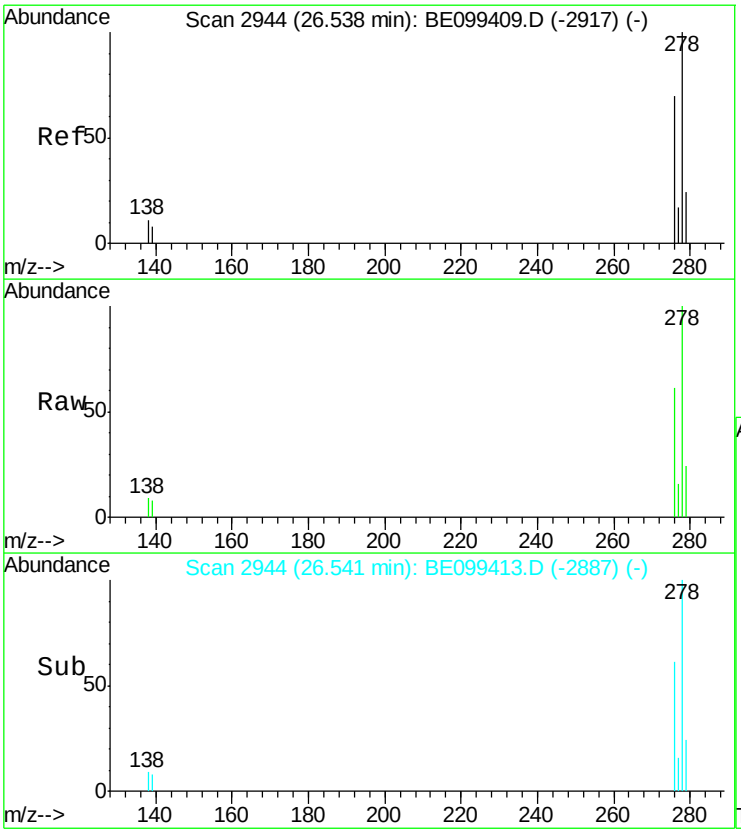
#37
Benzo(a)pyrene
Concen: 5.128 ng
RT: 23.76 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 423688

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.9	28.3
125	5.9	6.7	10.1#

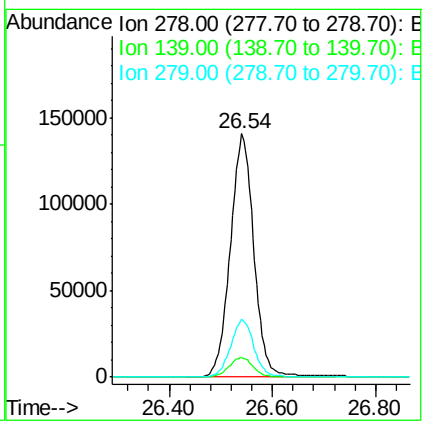


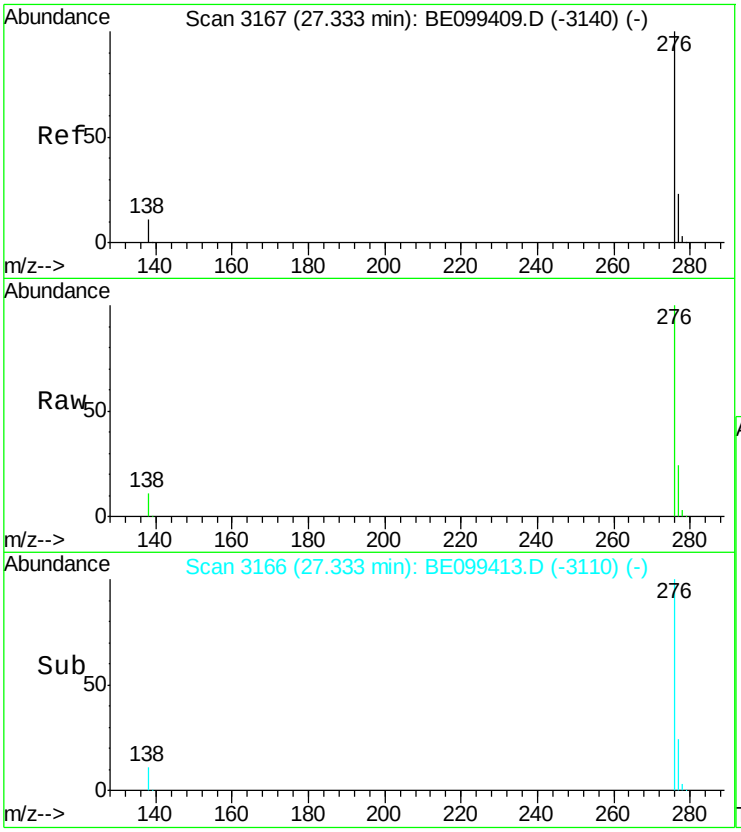


#38
Dibenzo(a,h)anthracene
Concen: 5.281 ng
RT: 26.54 min Scan# 2944
Delta R.T. 0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Tgt Ion:278 Resp: 445720

Ion	Ratio	Lower	Upper
278	100		
139	7.9	7.7	11.5
279	23.9	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 5.133 ng
RT: 27.33 min Scan# 3166
Delta R.T. -0.00 min
Lab File: BE099413.D
Acq: 29 Apr 2019 17:54

Instrument :
BNA_E
ClientSampleId :
SSTDICC5.0

Tgt Ion:276 Resp: 439479

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.5	29.3
138	10.9	9.6	14.4