Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
Data File : BE099527.D
Acq On : 3 May 2019 12:06
Operator : JU/SJ
Sample : SP4722
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SP4722

Quant Time: May 04 00:00:36 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 18:36:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	2908	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	9802	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6367	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	17719	0.40	ng	0.00
27) Chrysene-d12	21.37	240	29824	0.40	ng	0.00
34) Perylene-d12	23.87	264	35055	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.00	112	0d	0.00	ng	
5) Phenol-d6	0.00	99	0d	0.00	ng	
8) Nitrobenzene-d5	0.00	82	0d	0.00	ng	
11) 2-Methylnaphthalene-d10	0.00	152	0d	0.00	ng	
14) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng	
15) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng	
25) Fluoranthene-d10	0.00	212	0d	0.00	ng	
29) Terphenyl-d14	0.00	244	0d	0.00	ng	
Target Compounds						Qvalue
2) 1,4-Dioxane	3.31	88	1192	0.298	ng	# 74
3) n-Nitrosodimethylamine	3.63	42	978	0.406	ng	# 92
6) bis(2-Chloroethyl)ether	7.23	93	2957	0.321	ng	98
9) Naphthalene	10.65	128	37515	0.351	ng	100
10) Hexachlorobutadiene	10.93	225	2657	0.358	ng	99
12) 2-Methylnaphthalene	12.27	142	6169	0.332	ng	97
16) Acenaphthylene	14.18	152	10528	0.338	ng	99
17) Acenaphthene	14.51	154	6139	0.345	ng	99
18) Fluorene	15.49	166	8632	0.329	ng	98
20) 4-Bromophenyl-phenylether	16.39	248	3528	0.342	ng	94
21) Hexachlorobenzene	16.49	284	3432	0.349	ng	100
22) Pentachlorophenol	16.84	266	3677	0.837	ng	96
23) Phenanthrene	17.23	178	15402	0.337	ng	99
24) Anthracene	17.32	178	14970	0.344	ng	99
26) Fluoranthene	19.25	202	24905	0.364	ng	100
28) Pyrene	19.61	202	26891	0.346	ng	99
30) Benzo(a)anthracene	21.35	228	35397	0.373	ng	99
31) Chrysene	21.40	228	33726	0.363	ng	99
32) Bis(2-ethylhexyl)phthalate	21.27	149	50566	0.305	ng	100
33) Indeno(1,2,3-cd)pyrene	26.52	276	40895	0.372	ng	98
35) Benzo(b)fluoranthene	23.10	252	34587	0.342	ng	99
36) Benzo(k)fluoranthene	23.15	252	34651	0.356	ng	100
37) Benzo(a)pyrene	23.76	252	34265	0.359	ng	99
38) Dibenzo(a,h)anthracene	26.55	278	34116	0.349	ng	98
39) Benzo(g,h,i)perylene	27.34	276	34733	0.355	ng	99

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

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Instrument :
BNA_E
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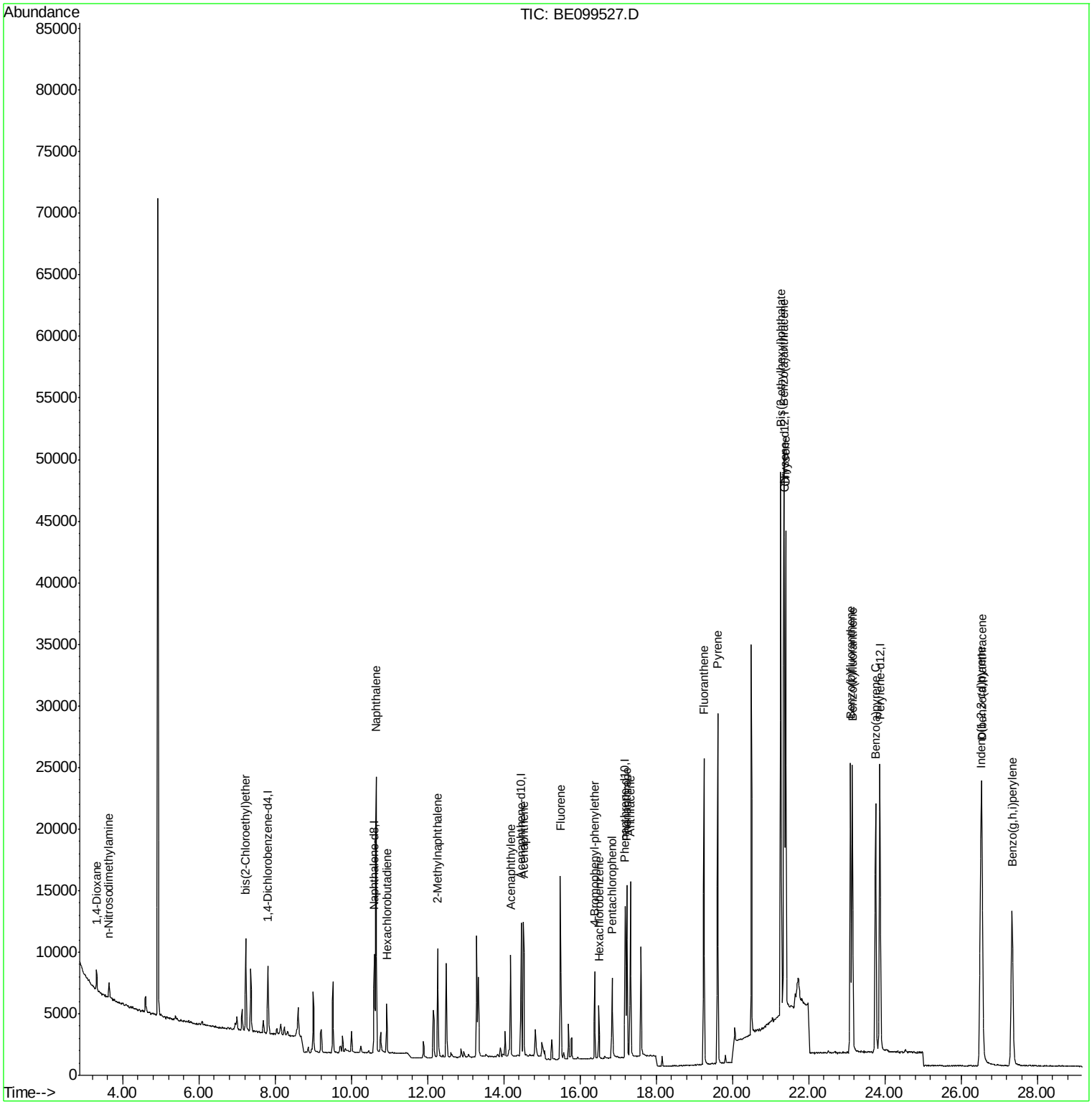
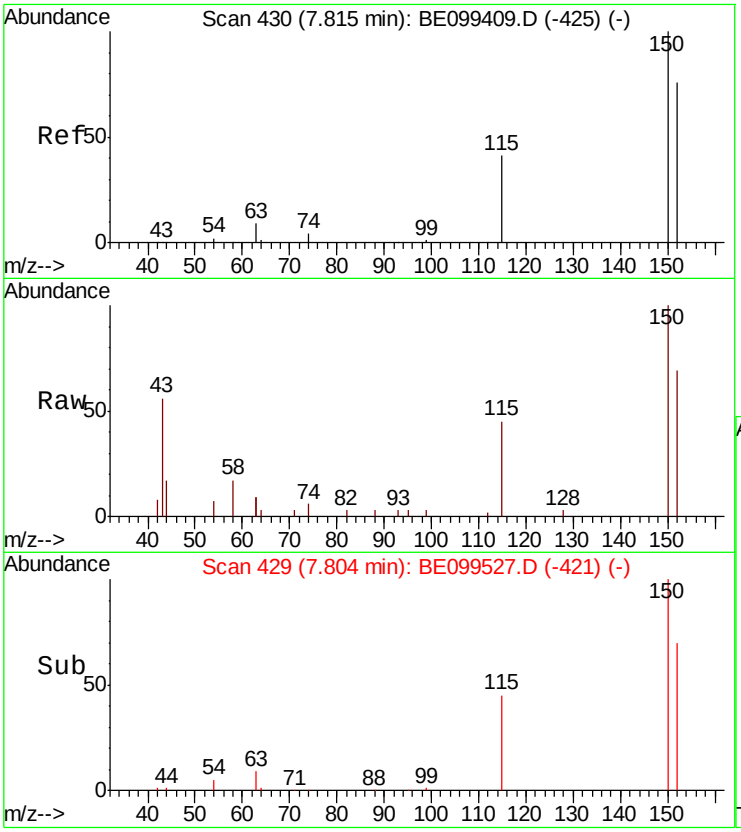
Quant Time: May 04 00:00:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 18:36:43 2019
Response via : Initial Calibration



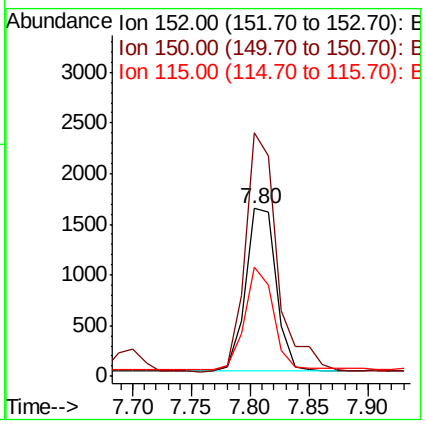


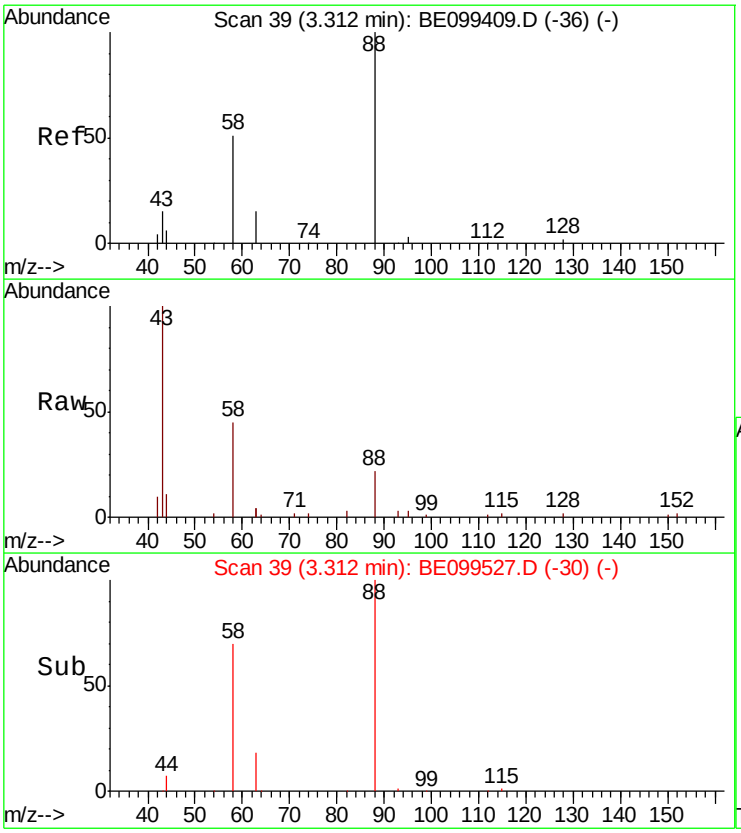
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Instrument :
BNA_E
ClientSampleId :
SP4722

Tgt Ion:152 Resp: 2908

Ion	Ratio	Lower	Upper
152	100		
150	144.9	104.8	157.2
115	65.3	46.6	69.8

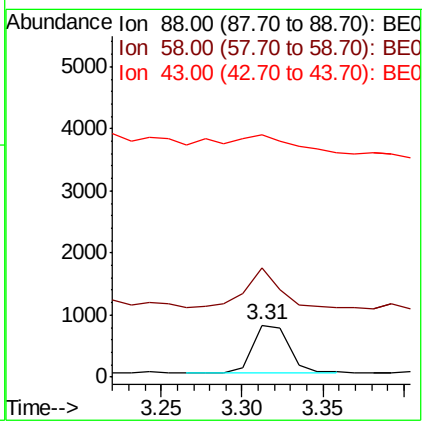


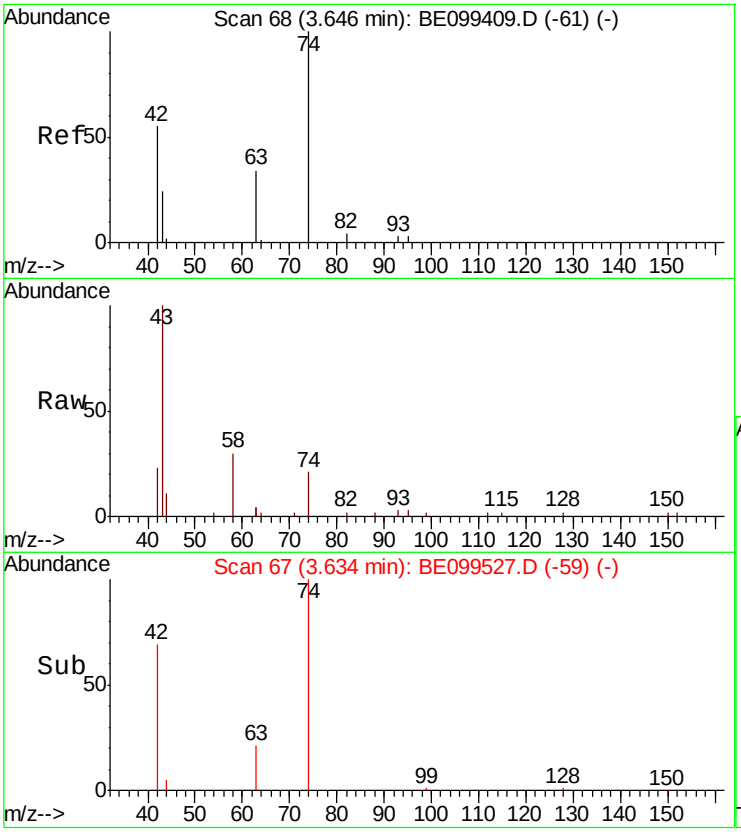


#2
1,4-Dioxane
Concen: 0.298 ng
RT: 3.31 min Scan# 39
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion: 88 Resp: 1192

Ion	Ratio	Lower	Upper
88	100		
58	75.8	51.0	76.6
43	51.9	20.6	30.8#



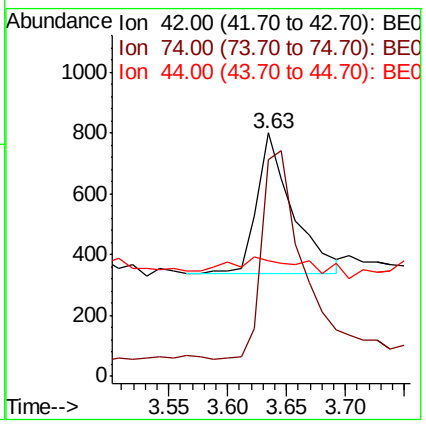


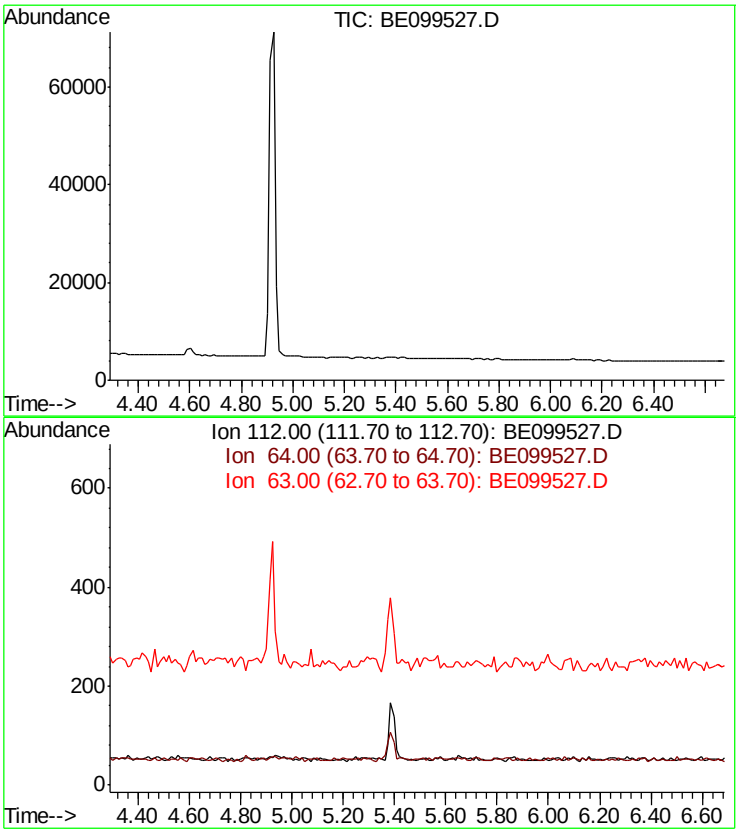
#3
n-Nitrosodimethylamine
Concen: 0.406 ng
RT: 3.63 min Scan# 67
Delta R.T. -0.01 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Instrument :
BNA_E
ClientSampleId :
SP4722

Tgt Ion: 42 Resp: 978

Ion	Ratio	Lower	Upper
42	100		
74	165.4	141.6	212.4
44	0.0	0.0	0.0



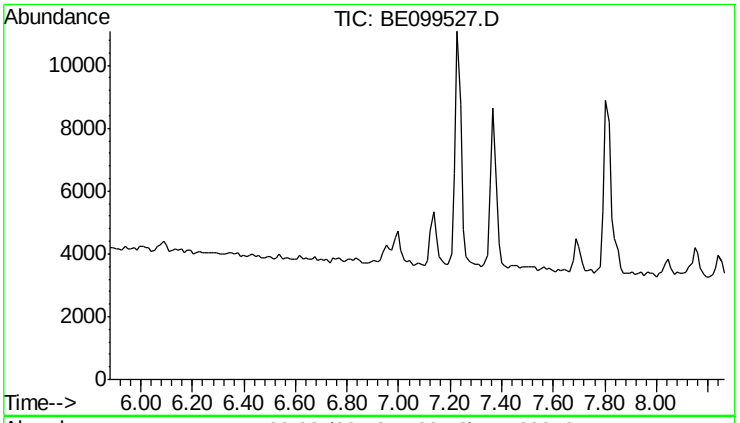


#4
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.39 min

Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	59.2
63	130.4



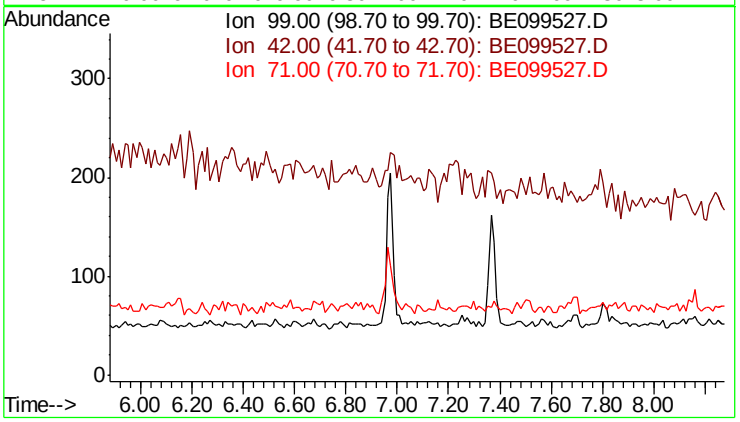
#5
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.97 min

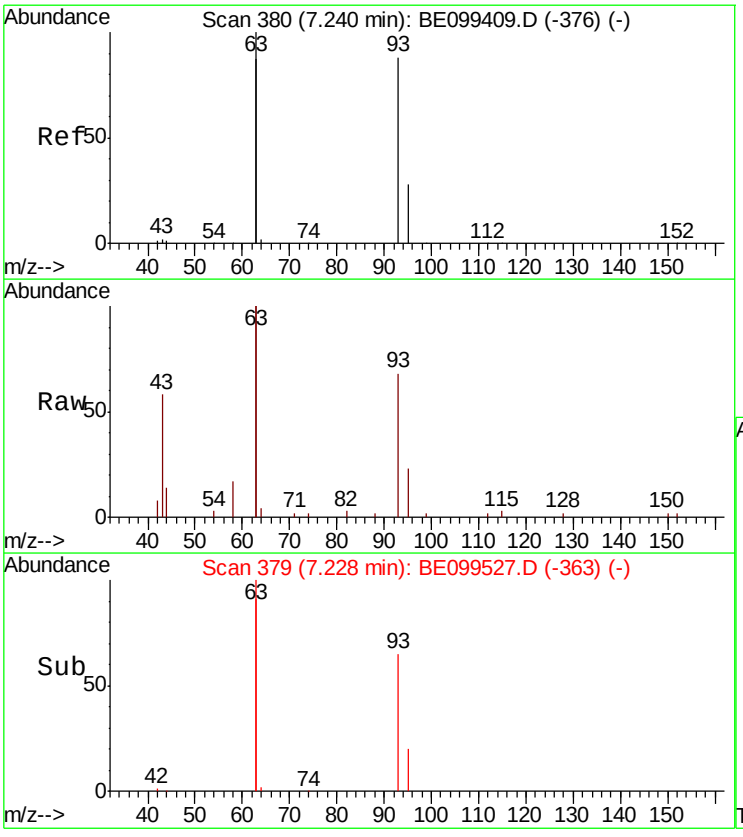
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Instrument :
BNA_E
ClientSampleId :
SP4722

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	18.6
71	41.3

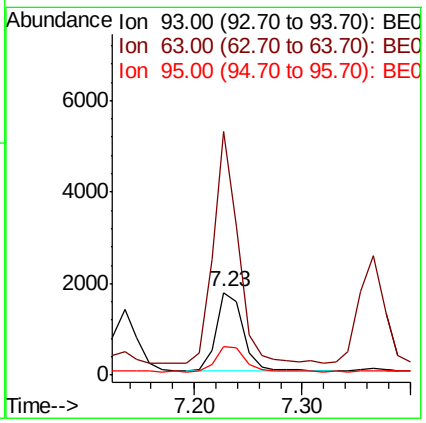


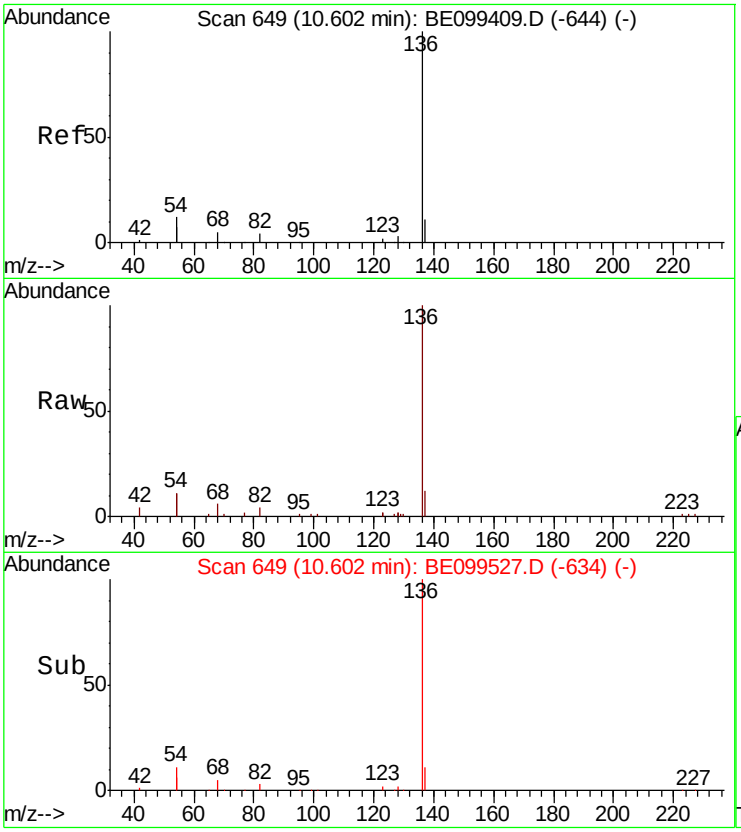


#6
bis(2-Chloroethyl)ether
Concen: 0.321 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion: 93 Resp: 2957

Ion	Ratio	Lower	Upper
93	100		
63	273.2	215.6	323.4
95	34.9	26.2	39.2



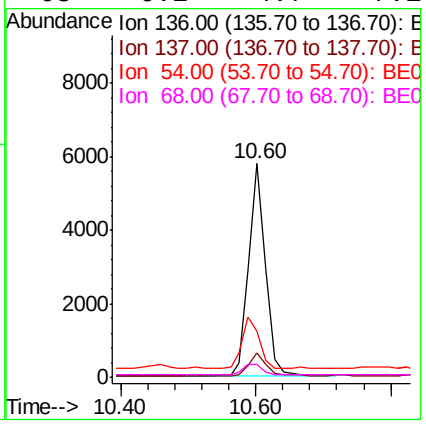


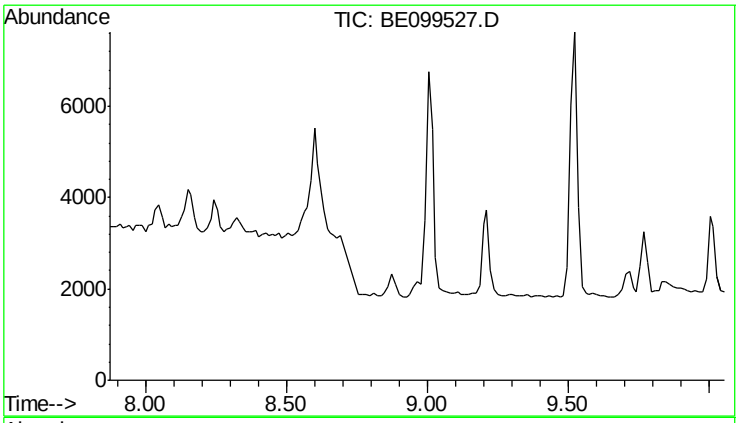
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Instrument :
BNA_E
ClientSampleId :
SP4722

Tgt Ion:136 Resp: 9802

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.8	14.8
54	21.4	18.5	27.7
68	6.2	4.7	7.1



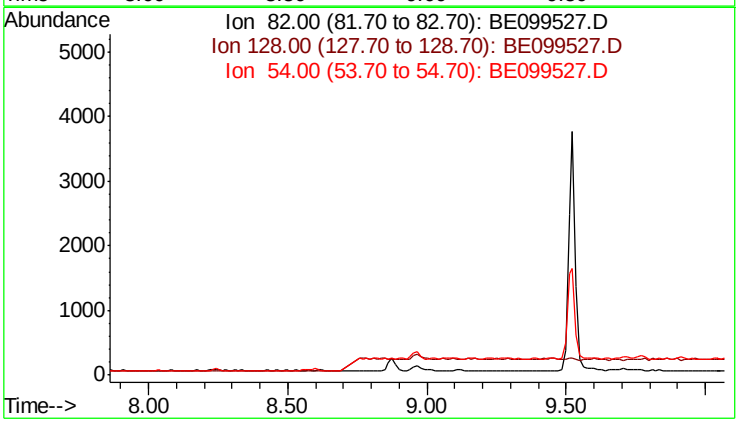


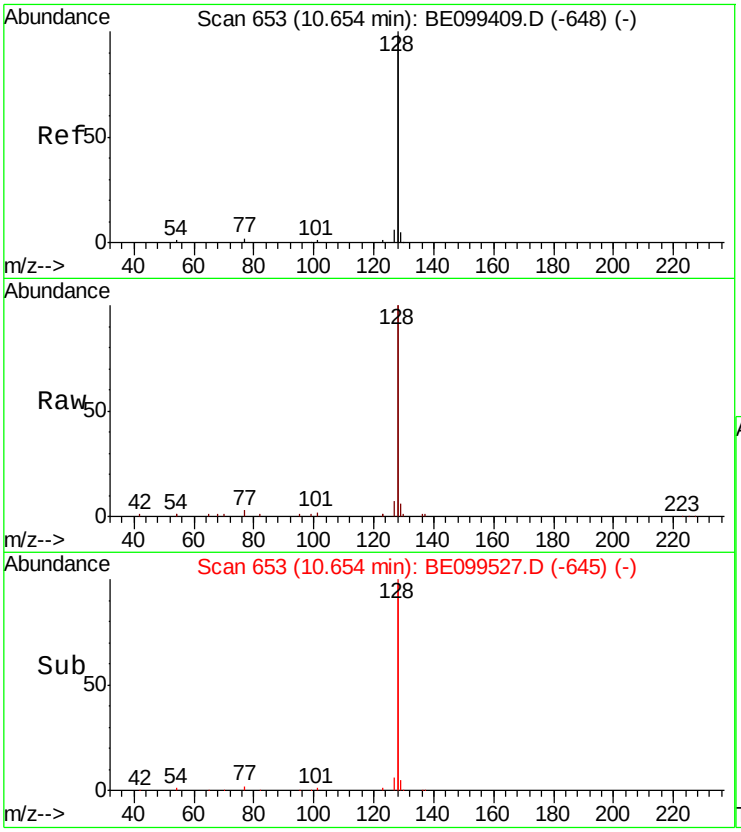
#8
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.96 min

Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	133.7
54	141.4



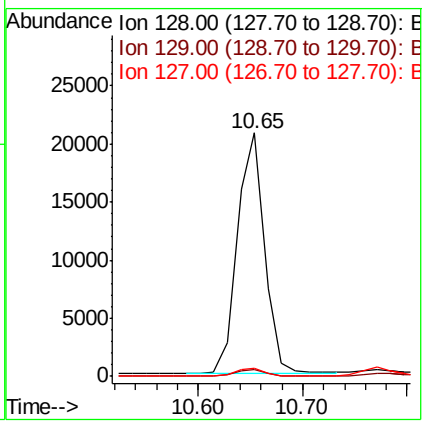


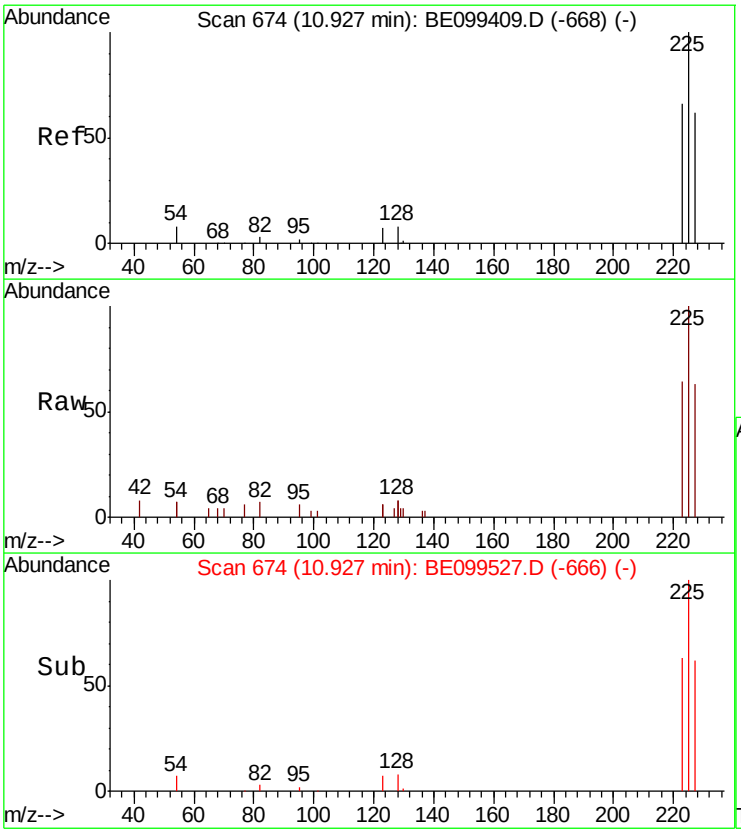
#9
Naphthalene
Concen: 0.351 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Instrument :
BNA_E
ClientSampleId :
SP4722

Tgt Ion:128 Resp: 37515

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.4	3.6
127	3.5	2.8	4.2

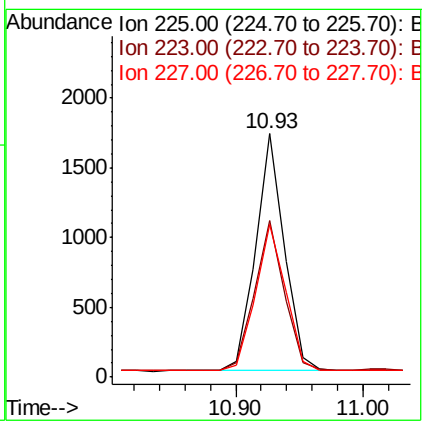


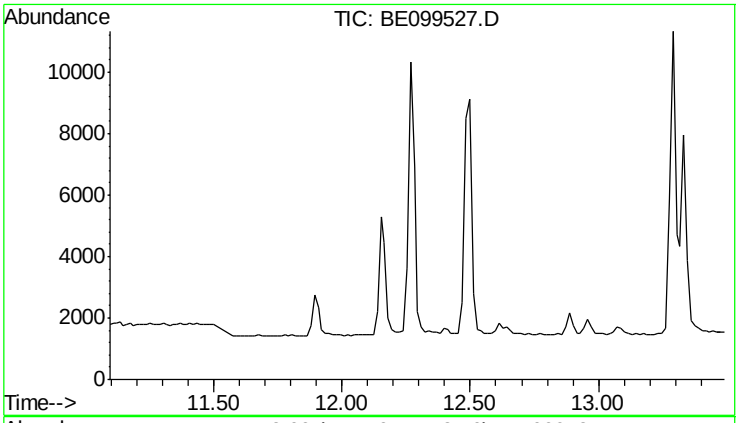


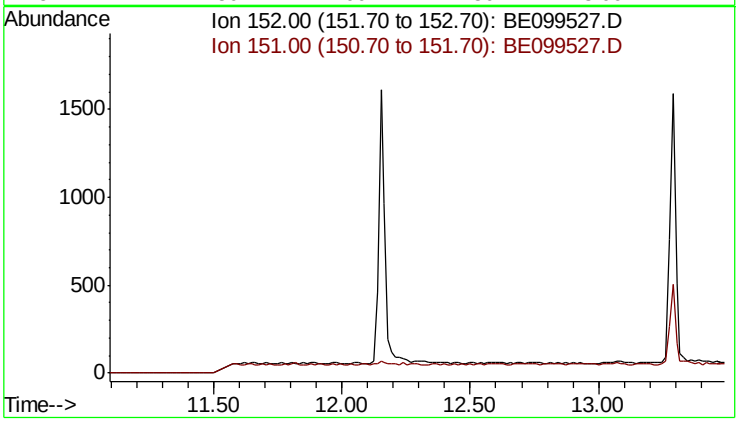
#10
Hexachlorobutadiene
Concen: 0.358 ng
RT: 10.93 min Scan# 674
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:225 Resp: 2657

Ion	Ratio	Lower	Upper
225	100		
223	65.1	51.0	76.6
227	64.6	50.9	76.3







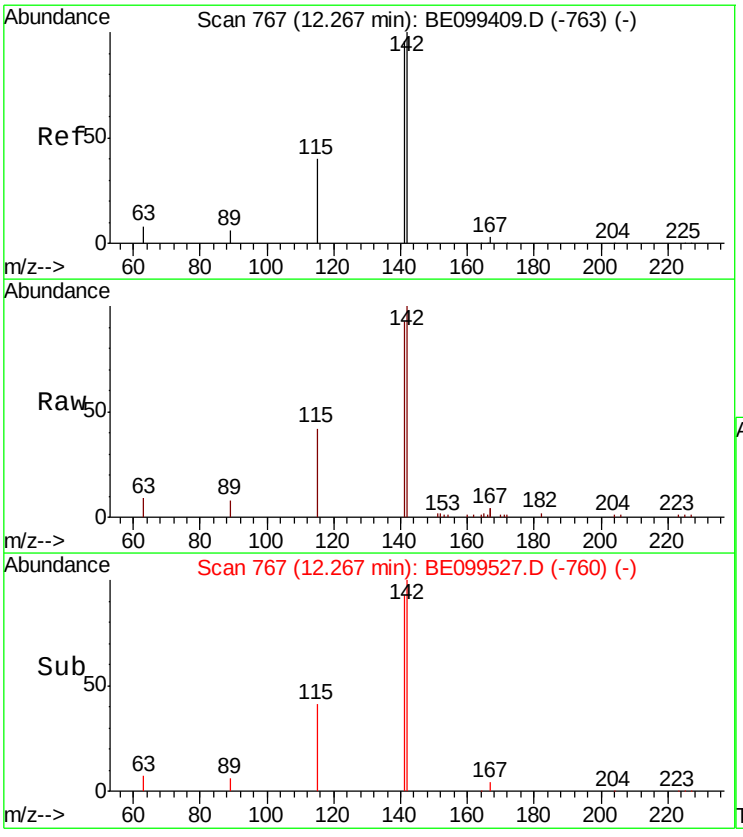
#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
Expected RT: 12.20 min

Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion: 152

Sig	Exp Ratio
152	100
151	19.4

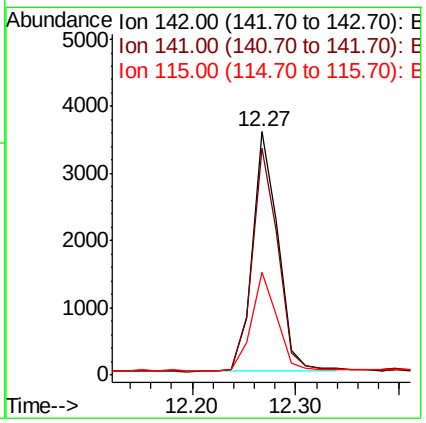
Instrument :
BNA_E
ClientSampleId :
SP4722

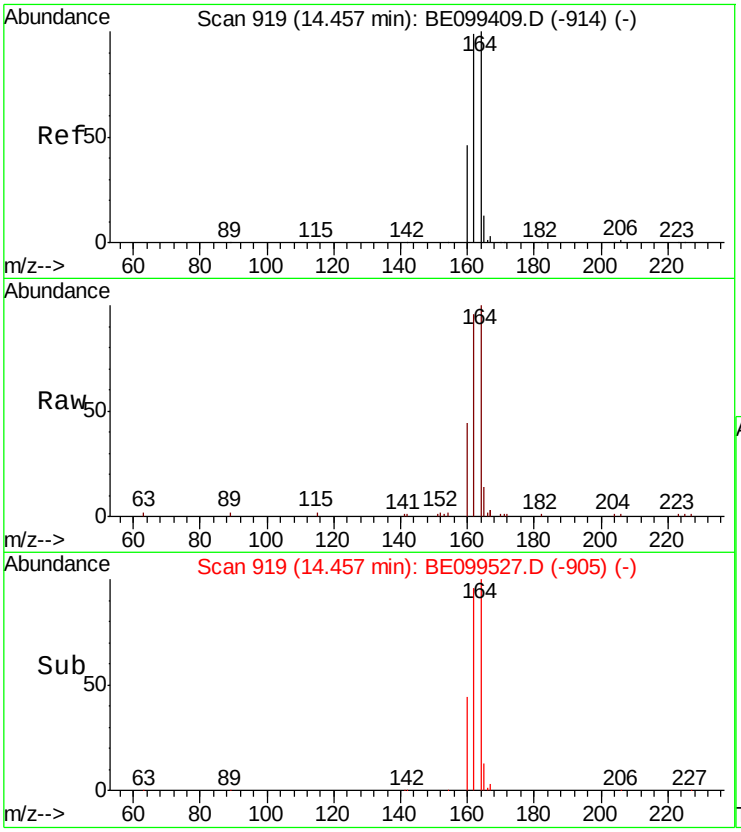


#12
2-Methylnaphthalene
Concen: 0.332 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:142 Resp: 6169

Ion	Ratio	Lower	Upper
142	100		
141	93.0	77.0	115.4
115	42.3	33.4	50.0



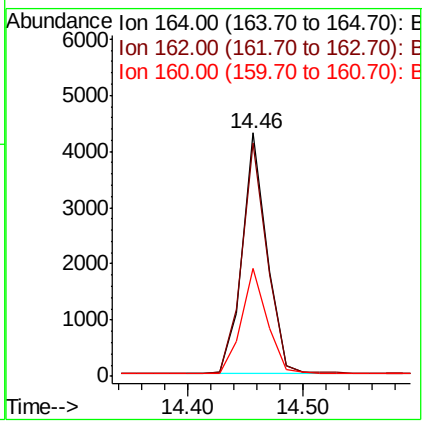


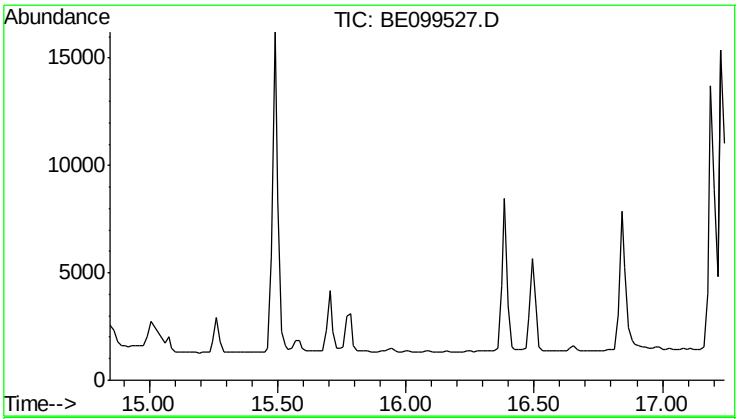
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

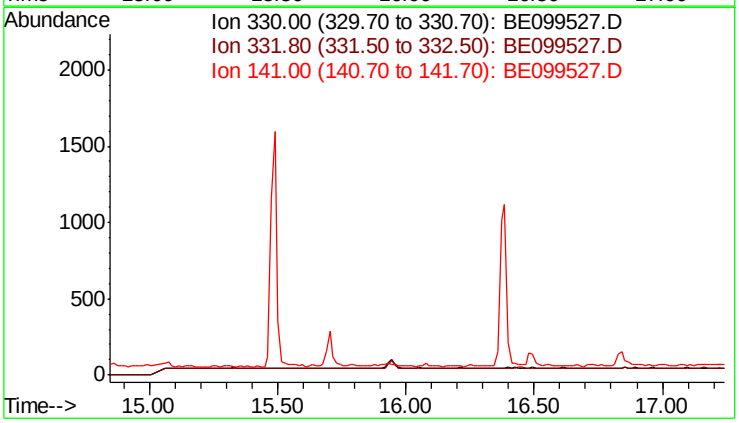
Instrument :
BNA_E
ClientSampleId :
SP4722

Tgt Ion:164 Resp: 6367

Ion	Ratio	Lower	Upper
164	100		
162	95.8	79.0	118.4
160	44.2	37.0	55.4





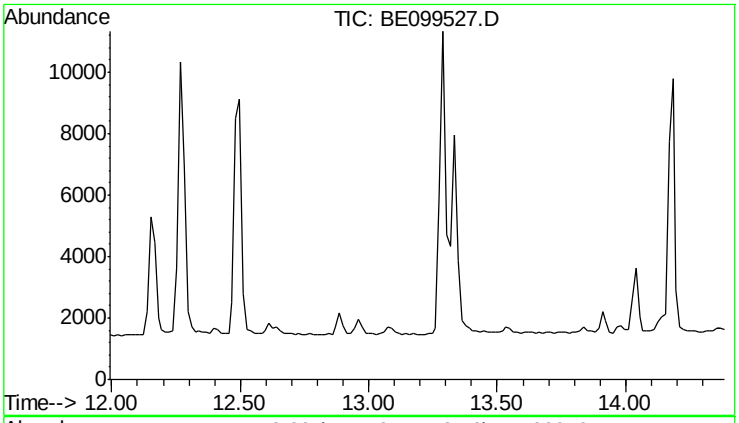


#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.94 min

Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	89.4
141	30.0



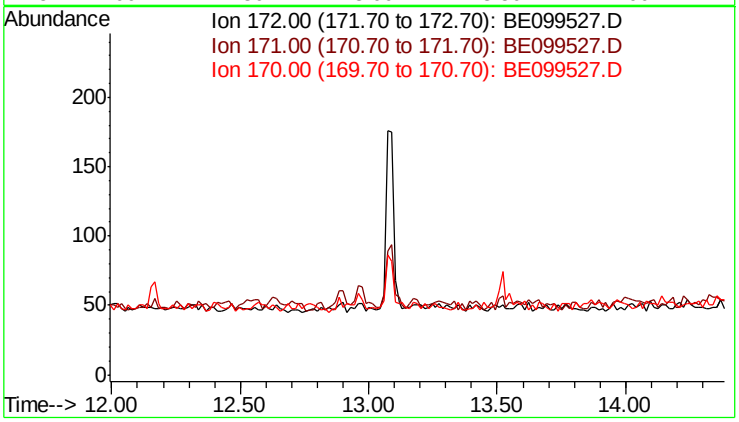
#15
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.09 min

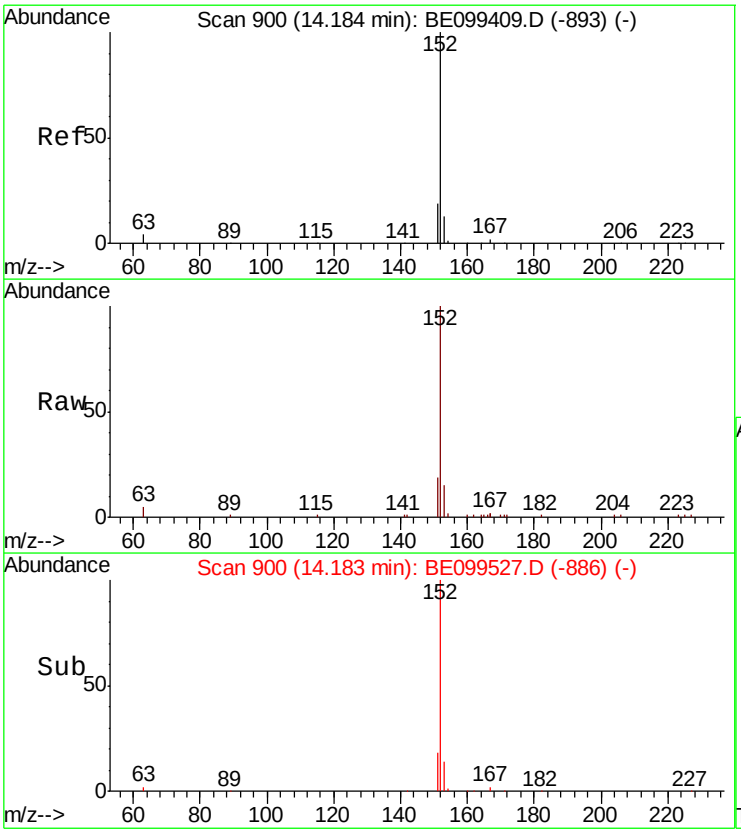
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	33.2
170	21.3

Instrument :
BNA_E
ClientSampleId :
SP4722

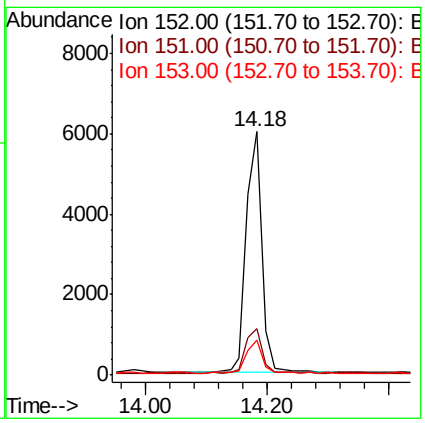


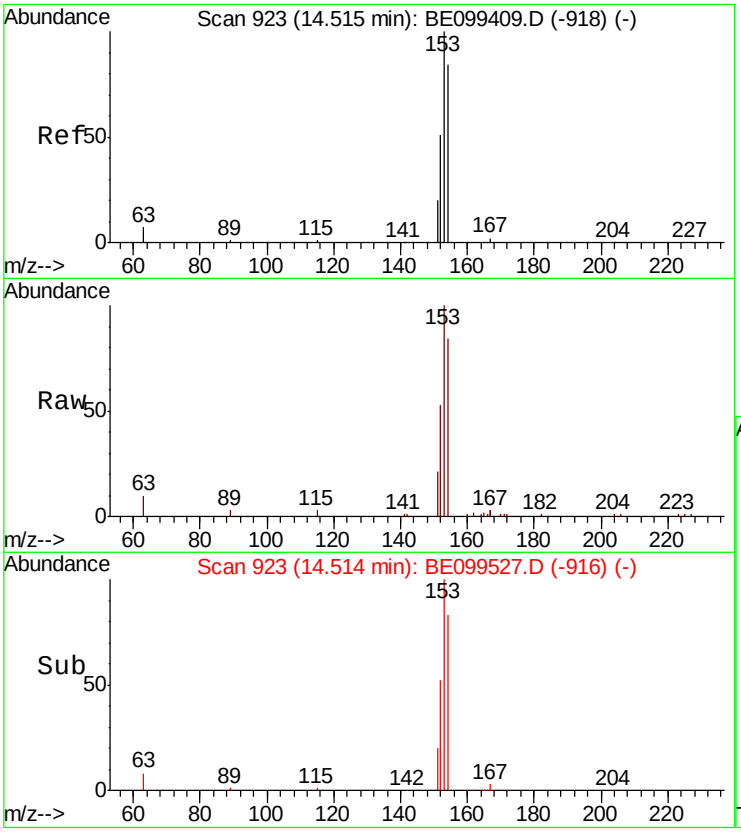


#16
Acenaphthylene
Concen: 0.338 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:152 Resp: 10528

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.2
153	13.4	9.8	14.6



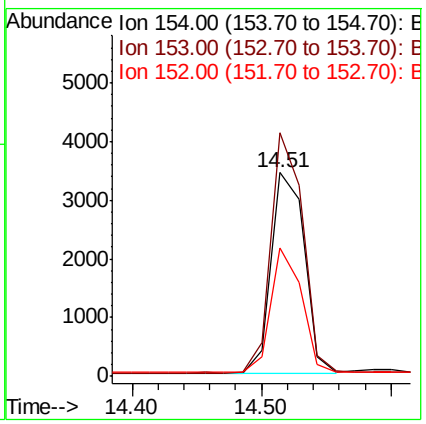


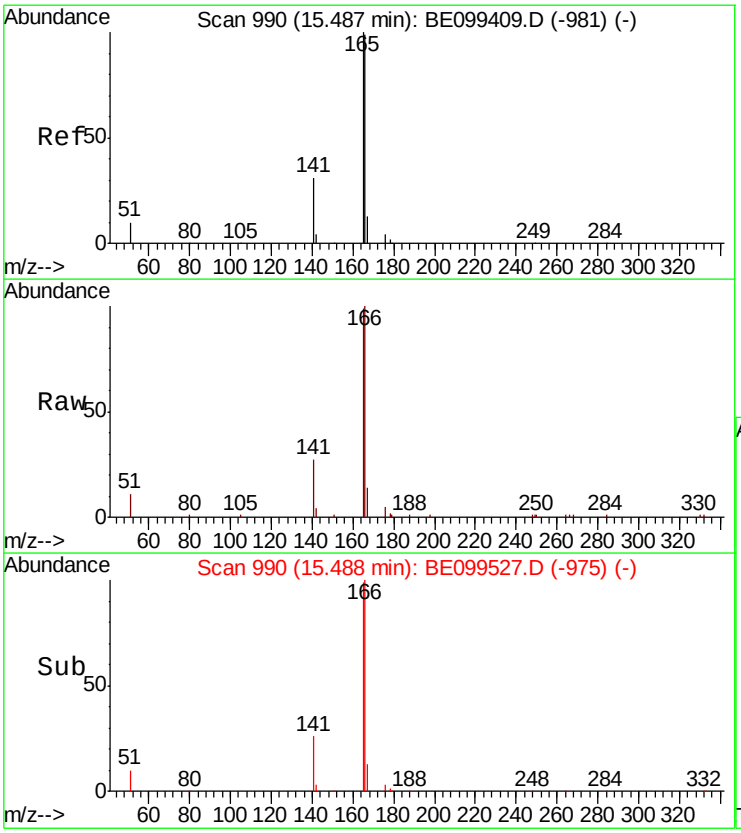
#17
Acenaphthene
Concen: 0.345 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Instrument :
BNA_E
ClientSampleId :
SP4722

Tgt Ion:154 Resp: 6139

Ion	Ratio	Lower	Upper
154	100		
153	115.0	92.6	138.8
152	57.5	45.8	68.8

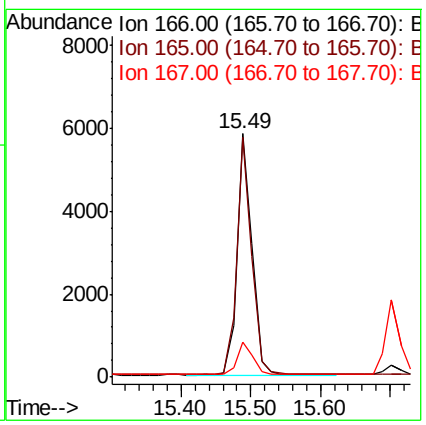


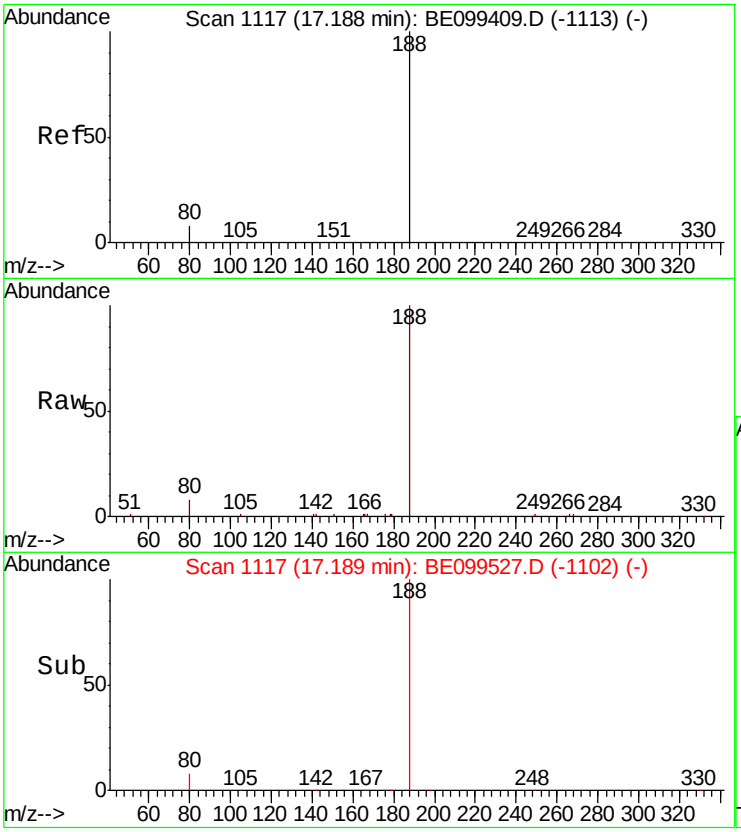


#18
Fluorene
Concen: 0.329 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:166 Resp: 8632

Ion	Ratio	Lower	Upper
166	100		
165	97.8	80.3	120.5
167	13.9	10.7	16.1



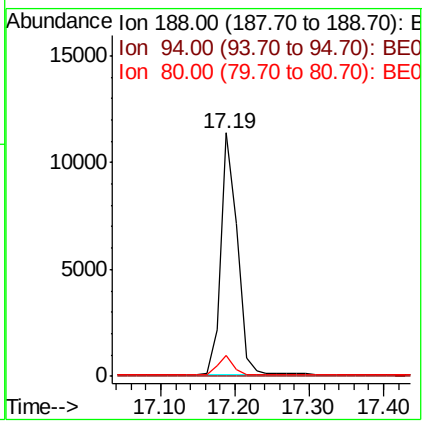


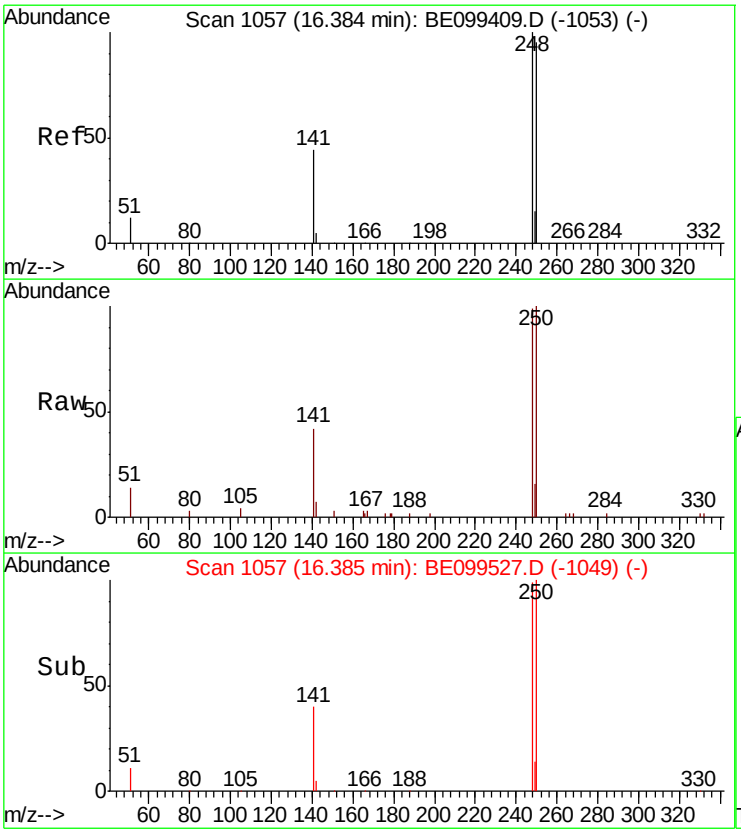
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Instrument :
BNA_E
ClientSampleId :
SP4722

Tgt Ion:188 Resp: 17719

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.4	6.7	10.1

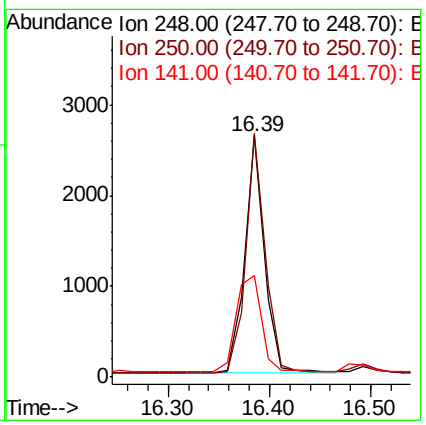


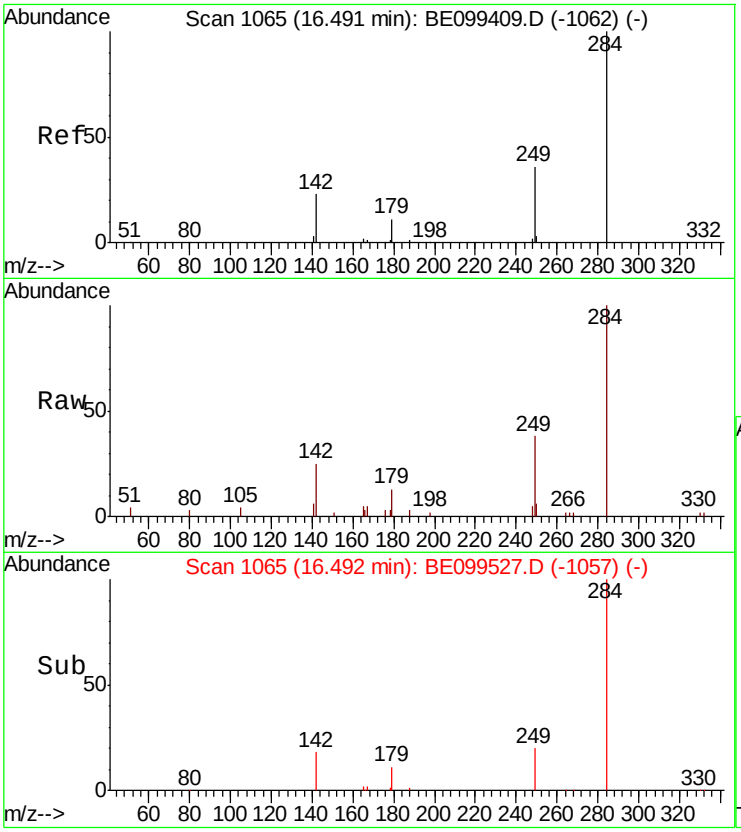


#20
4-Bromophenyl-phenylether
Concen: 0.342 ng
RT: 16.39 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:248 Resp: 3528

Ion	Ratio	Lower	Upper
248	100		
250	101.2	75.8	113.8
141	42.1	35.7	53.5



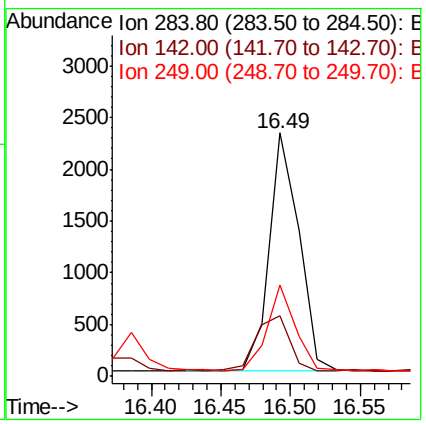


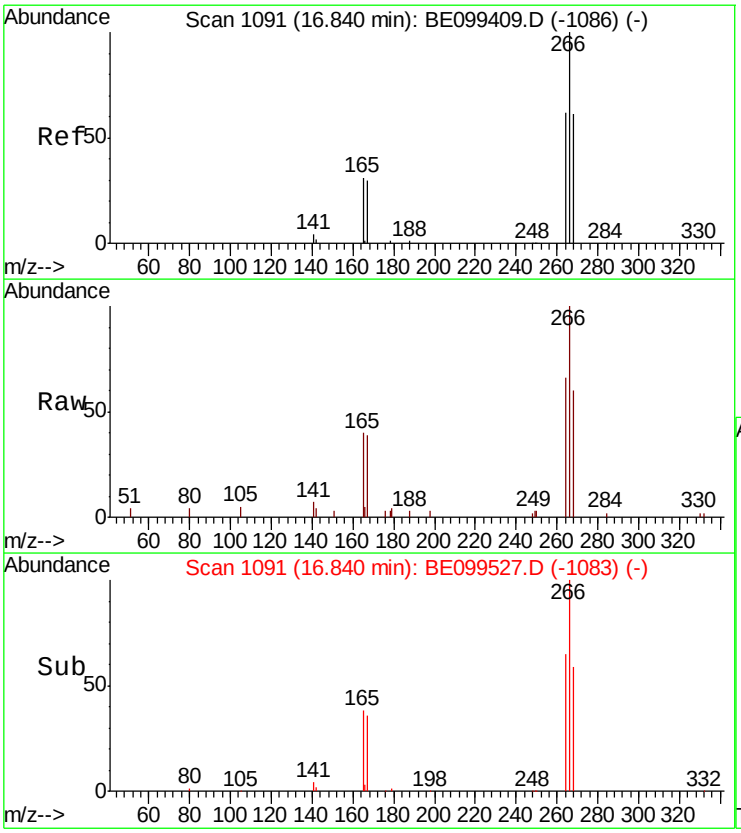
#21
Hexachlorobenzene
Concen: 0.349 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Instrument :
BNA_E
ClientSampleId :
SP4722

Tgt Ion:284 Resp: 3432

Ion	Ratio	Lower	Upper
284	100		
142	26.0	21.0	31.6
249	33.5	26.7	40.1

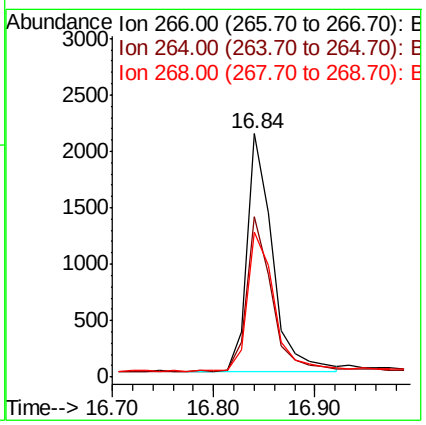


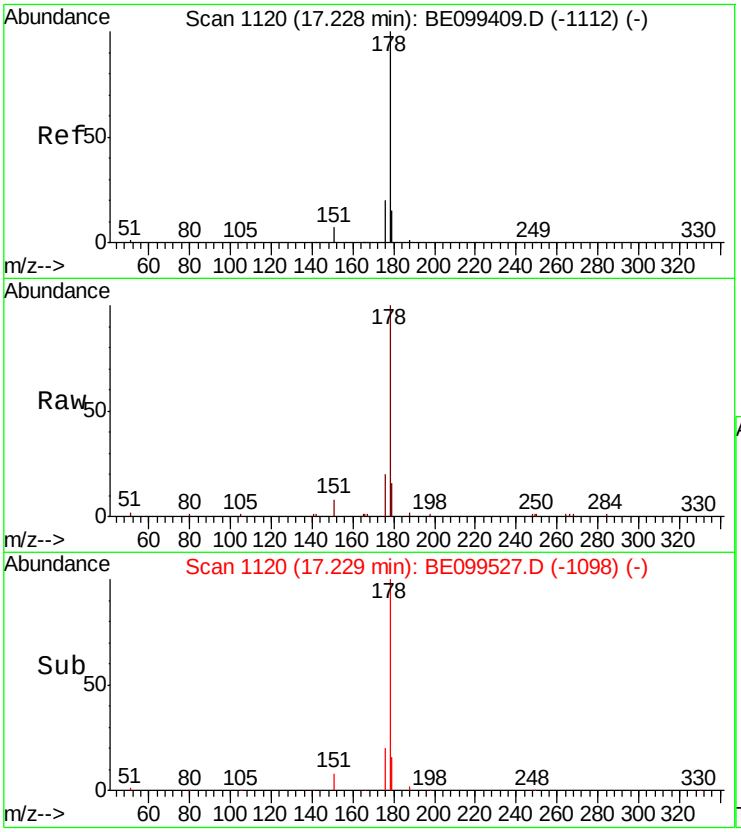


#22
Pentachlorophenol
Concen: 0.837 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:266 Resp: 3677

Ion	Ratio	Lower	Upper
266	100		
264	65.7	50.8	76.2
268	59.8	50.5	75.7



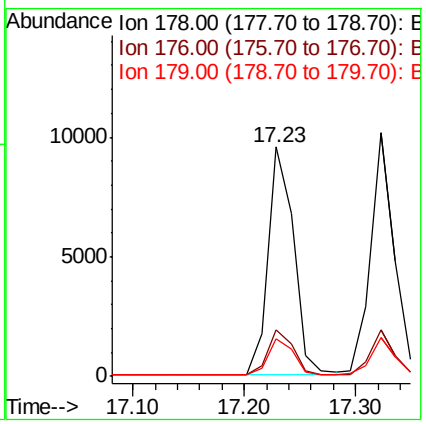


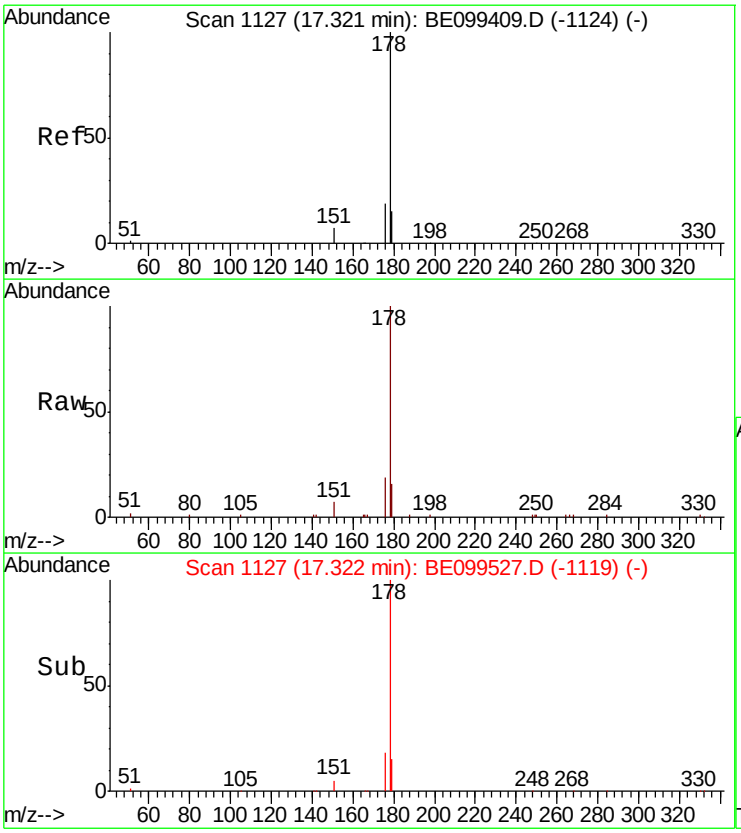
#23
Phenanthrene
Concen: 0.337 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Instrument :
BNA_E
ClientSampleId :
SP4722

Tgt Ion:178 Resp: 15402

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	16.0	12.0	18.0

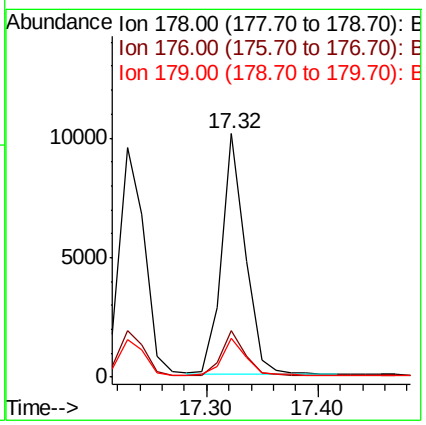


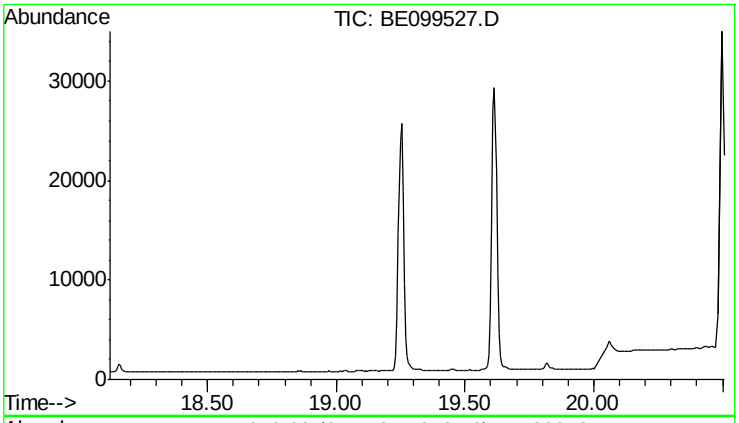


#24
Anthracene
Concen: 0.344 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:178 Resp: 14970

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.5	11.9	17.9





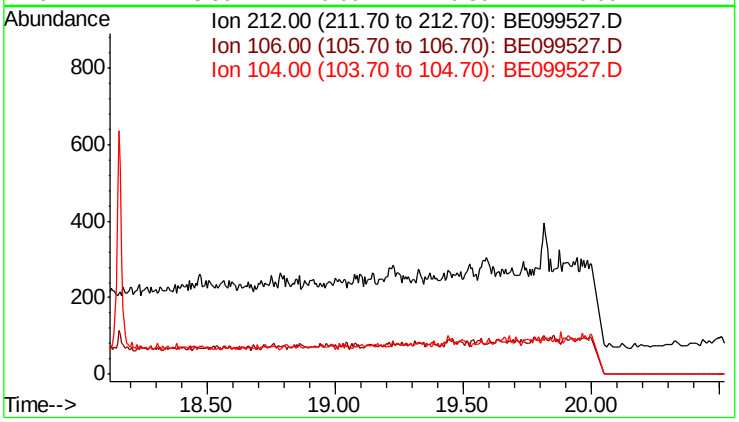
#25
Fluoranthene-d10
Concen: 0.000 ng
Expected RT: 19.22 min

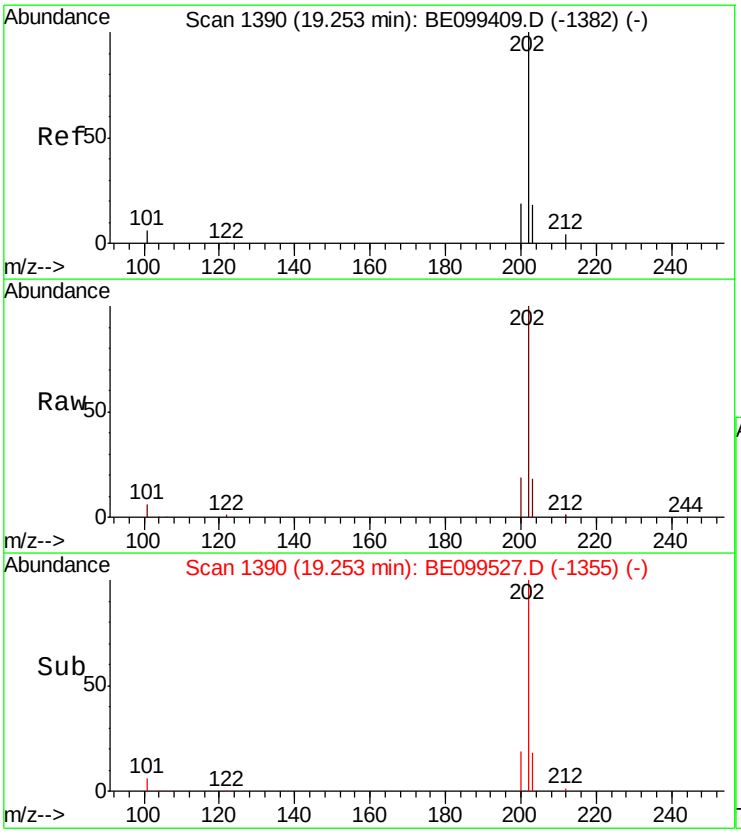
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion: 212

Sig	Exp Ratio
212	100
106	1.9
104	1.1

Instrument :
BNA_E
ClientSampleId :
SP4722

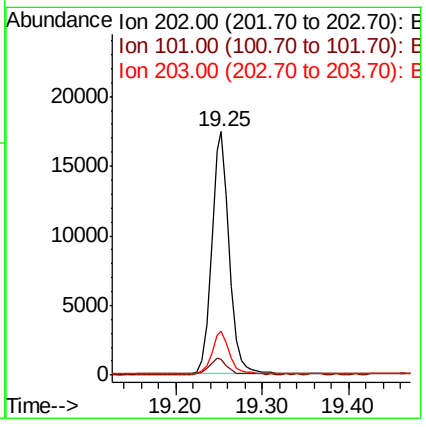


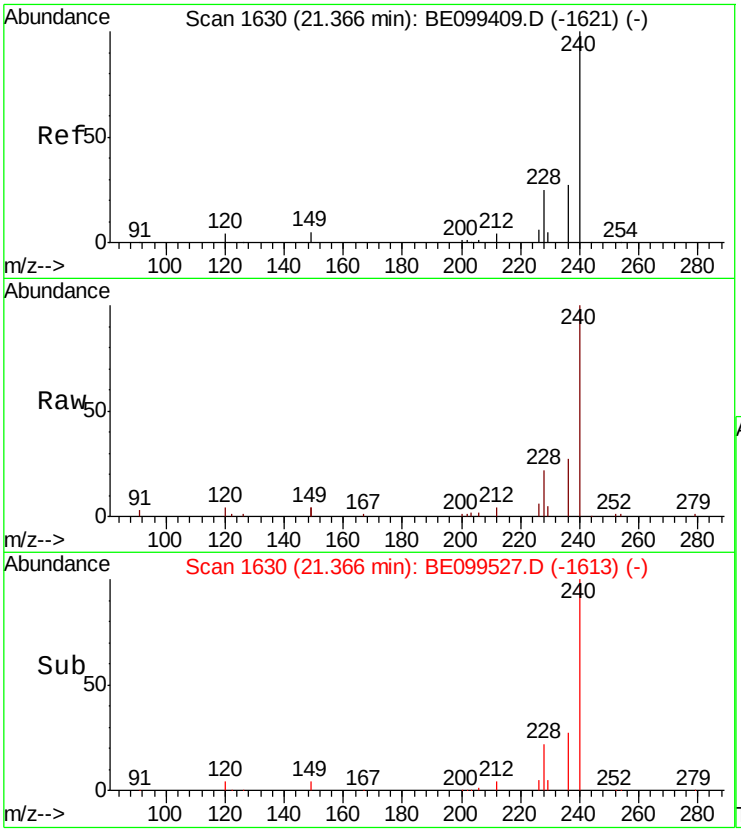


#26
Fluoranthene
Concen: 0.364 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:202 Resp: 24905

Ion	Ratio	Lower	Upper
202	100		
101	6.6	5.4	8.0
203	17.2	13.9	20.9



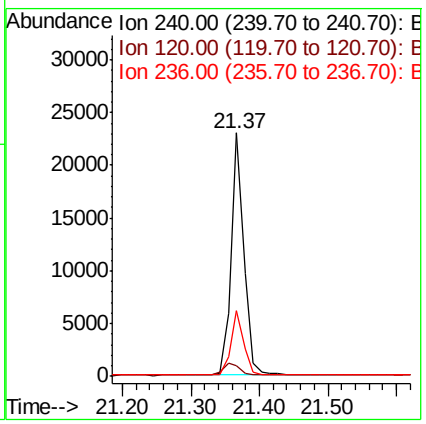


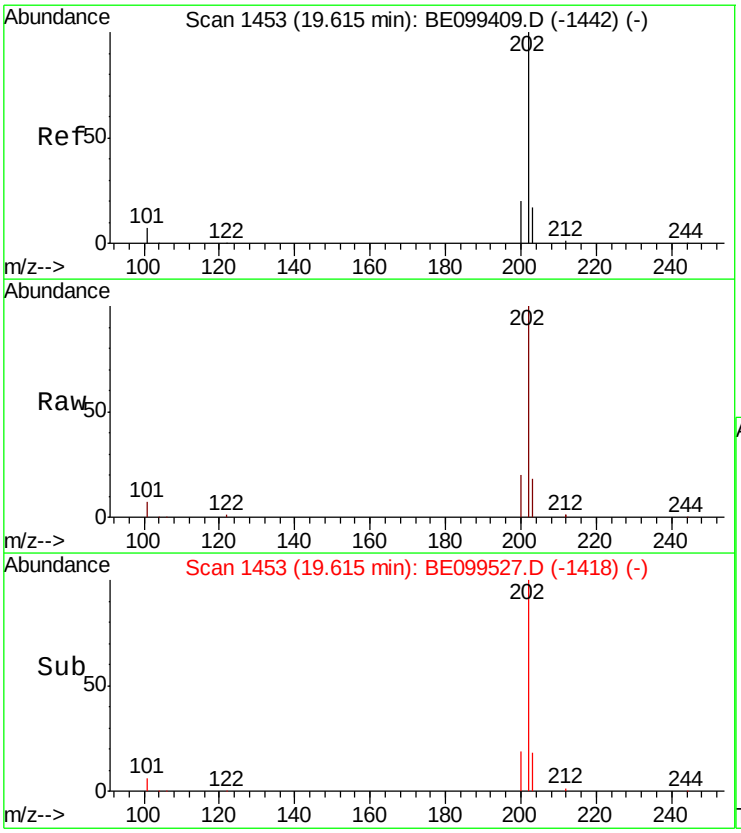
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Instrument :
BNA_E
ClientSampleId :
SP4722

Tgt Ion:240 Resp: 29824

Ion	Ratio	Lower	Upper
240	100		
120	4.3	4.0	6.0
236	27.2	22.0	33.0

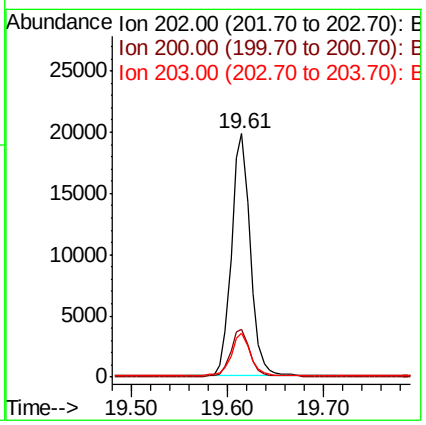


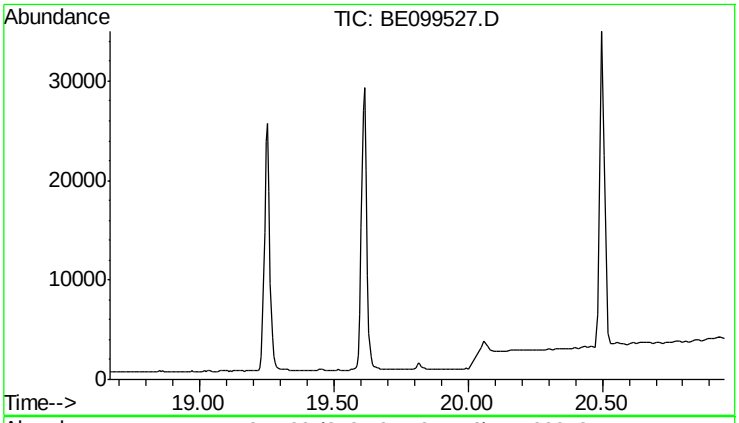


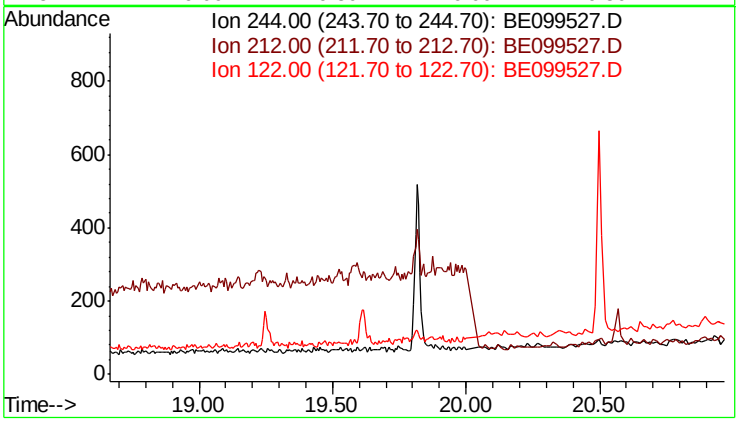
#28
Pyrene
Concen: 0.346 ng
RT: 19.61 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:202 Resp: 26891

Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.7	23.5
203	18.1	13.9	20.9







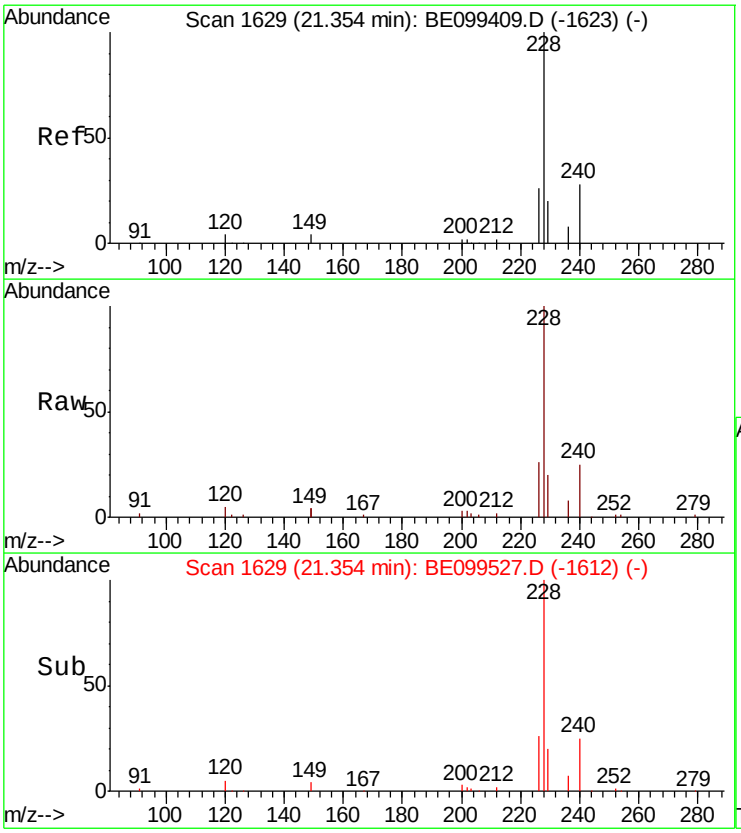
#29
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.82 min

Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	29.0
122	5.3

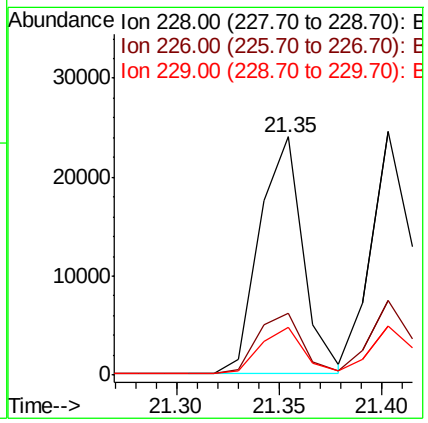
Instrument :
BNA_E
ClientSampleId :
SP4722

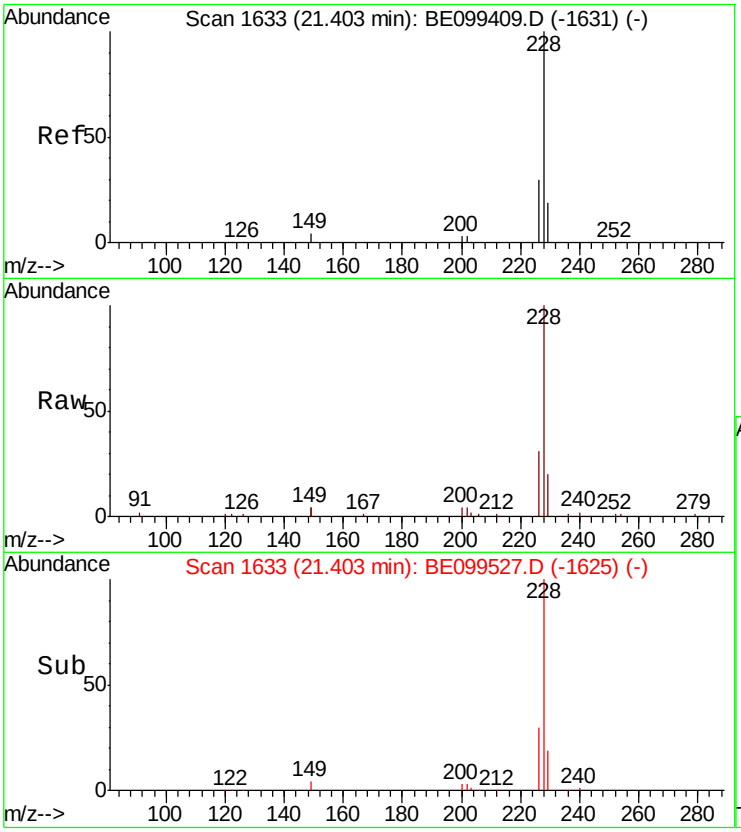


#30
Benzo(a)anthracene
Concen: 0.373 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:228 Resp: 35397

Ion	Ratio	Lower	Upper
228	100		
226	26.0	21.0	31.6
229	20.3	16.6	25.0



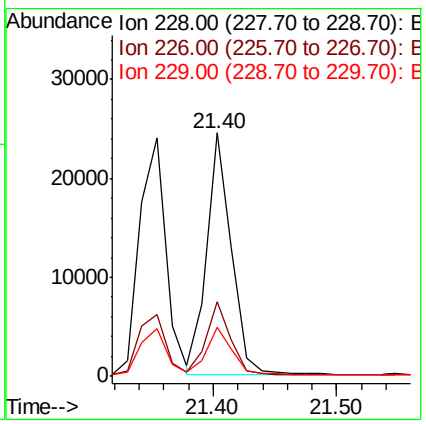


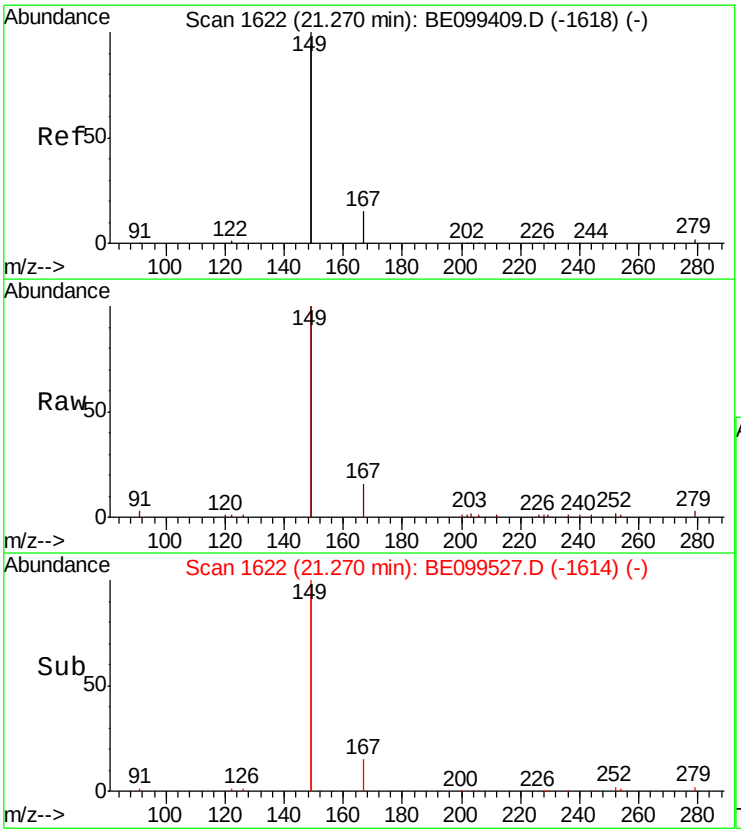
#31
Chrysene
Concen: 0.363 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Instrument :
BNA_E
ClientSampleId :
SP4722

Tgt Ion:228 Resp: 33726

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.0	36.0
229	19.9	15.8	23.8

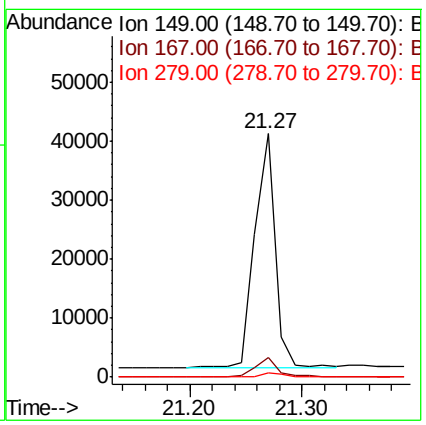


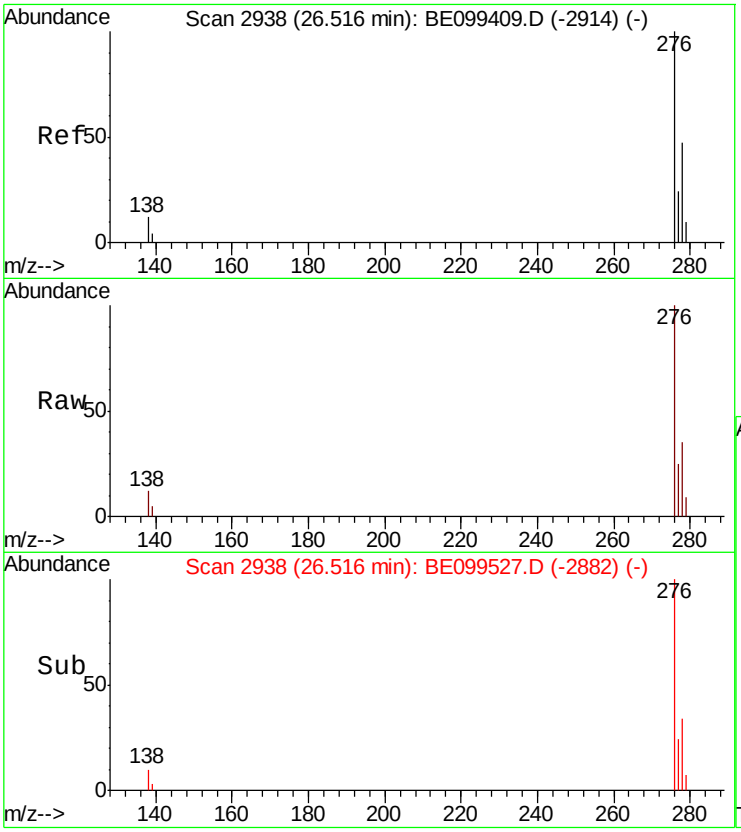


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.305 ng
RT: 21.27 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:149 Resp: 50566

Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.8	8.6
279	1.5	1.0	1.6



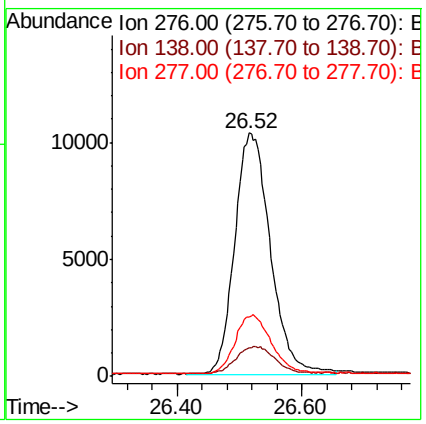


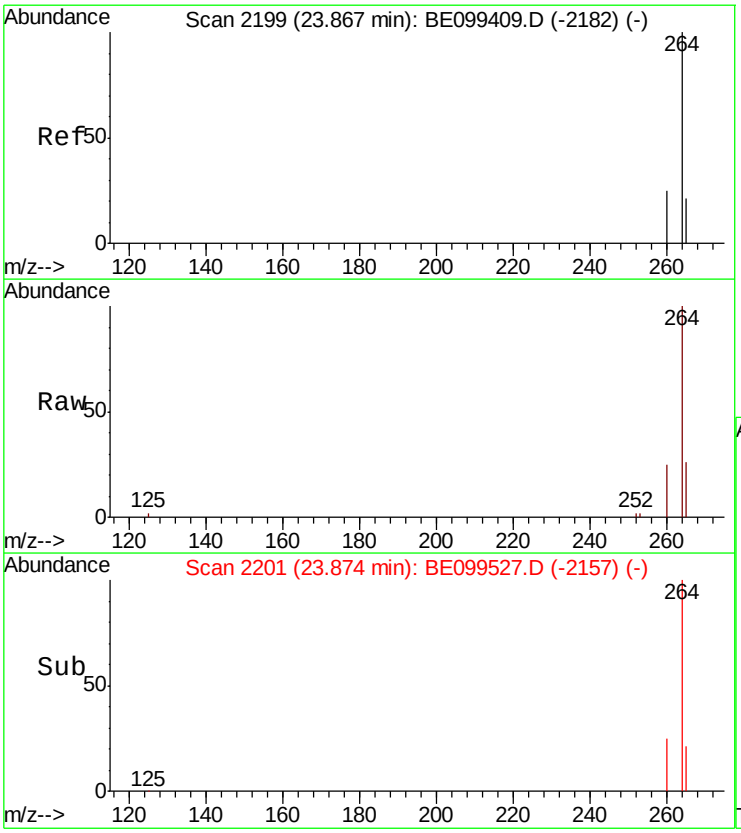
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.372 ng
RT: 26.52 min Scan# 2938
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Instrument :
BNA_E
ClientSampleId :
SP4722

Tgt Ion:276 Resp: 40895

Ion	Ratio	Lower	Upper
276	100		
138	11.8	10.2	15.2
277	24.7	19.2	28.8

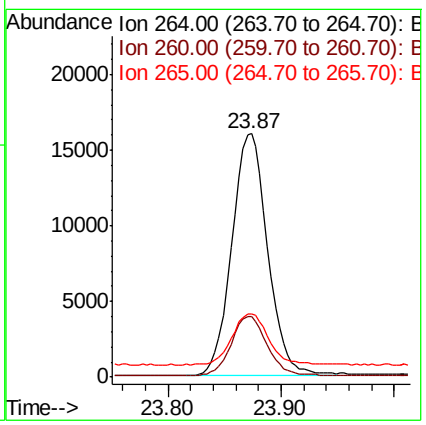


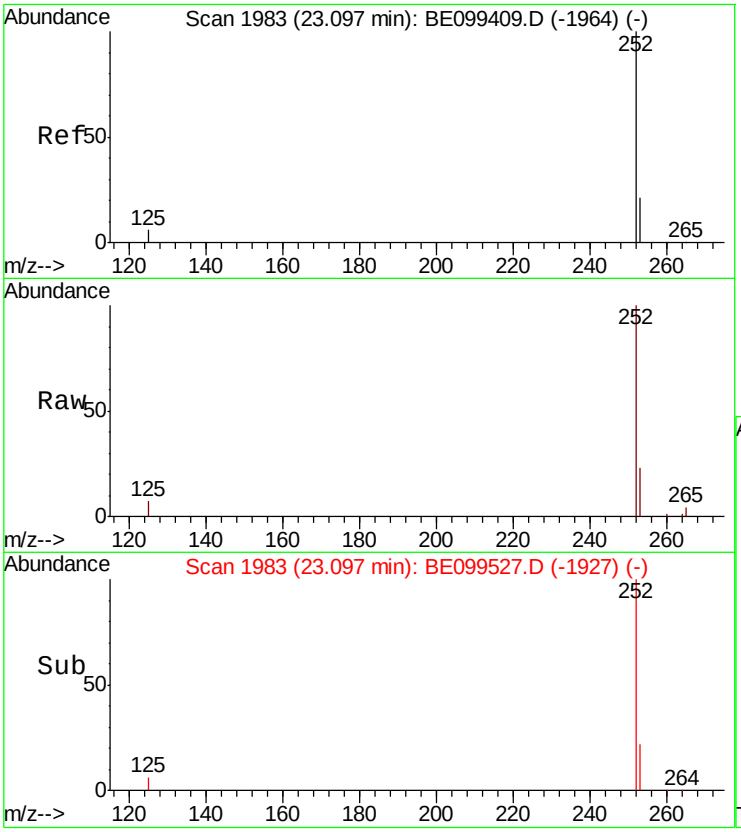


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:264 Resp: 35055

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.2	30.2
265	25.7	21.3	31.9



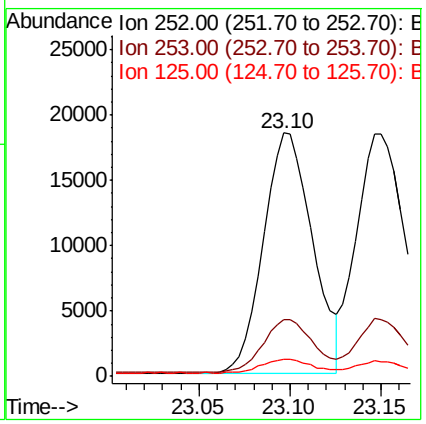


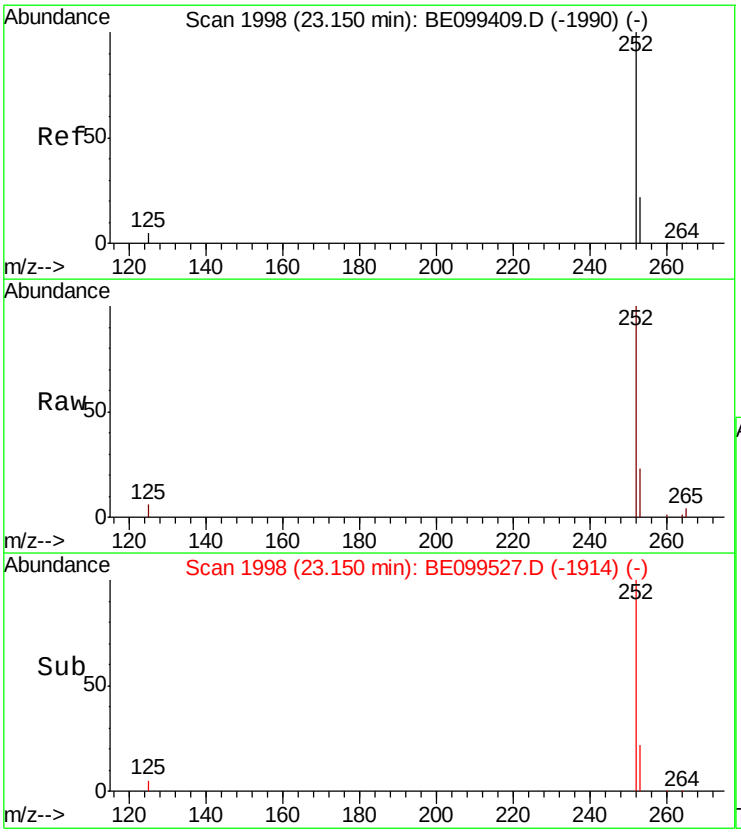
#35
Benzo(b)fluoranthene
Concen: 0.342 ng
RT: 23.10 min Scan# 1983
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Instrument :
BNA_E
ClientSampleId :
SP4722

Tgt Ion:252 Resp: 34587

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	7.1	5.6	8.4

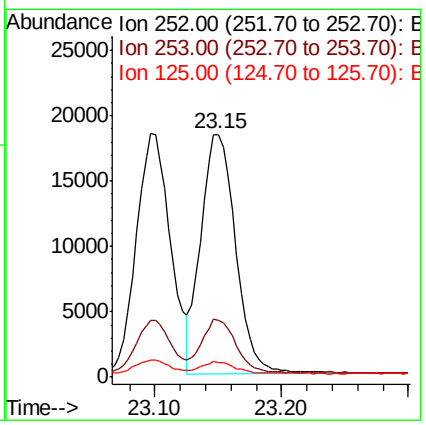


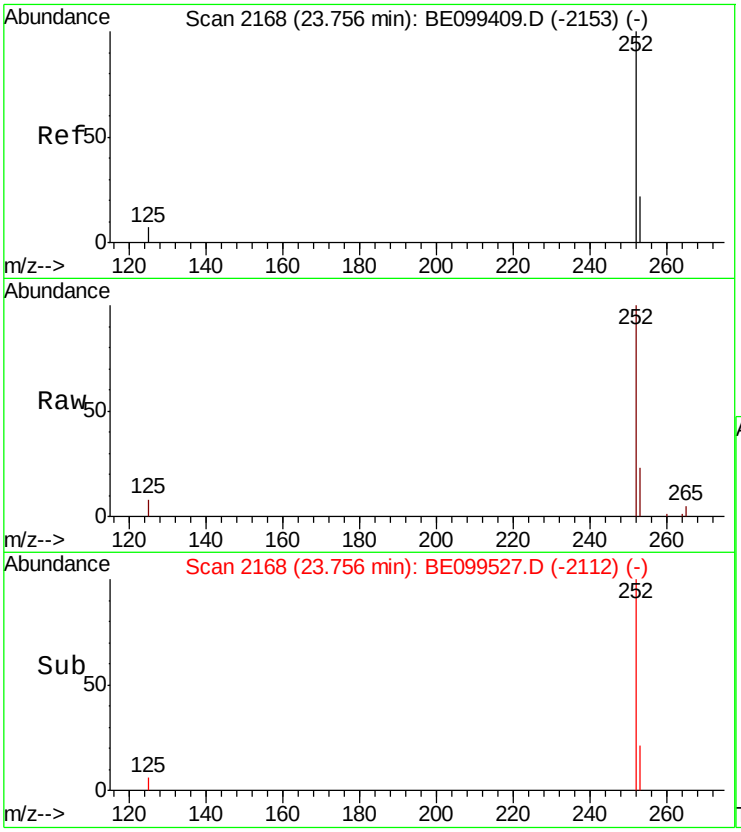


#36
Benzo(k)fluoranthene
Concen: 0.356 ng
RT: 23.15 min Scan# 1998
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:252 Resp: 34651

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	6.2	5.0	7.4



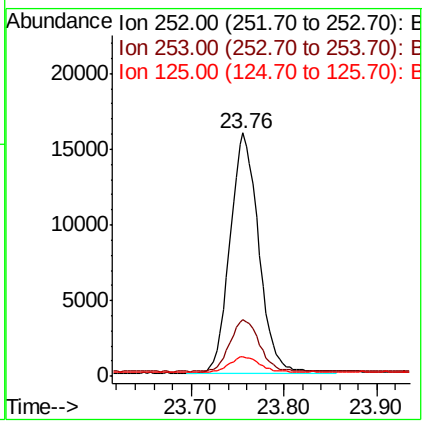


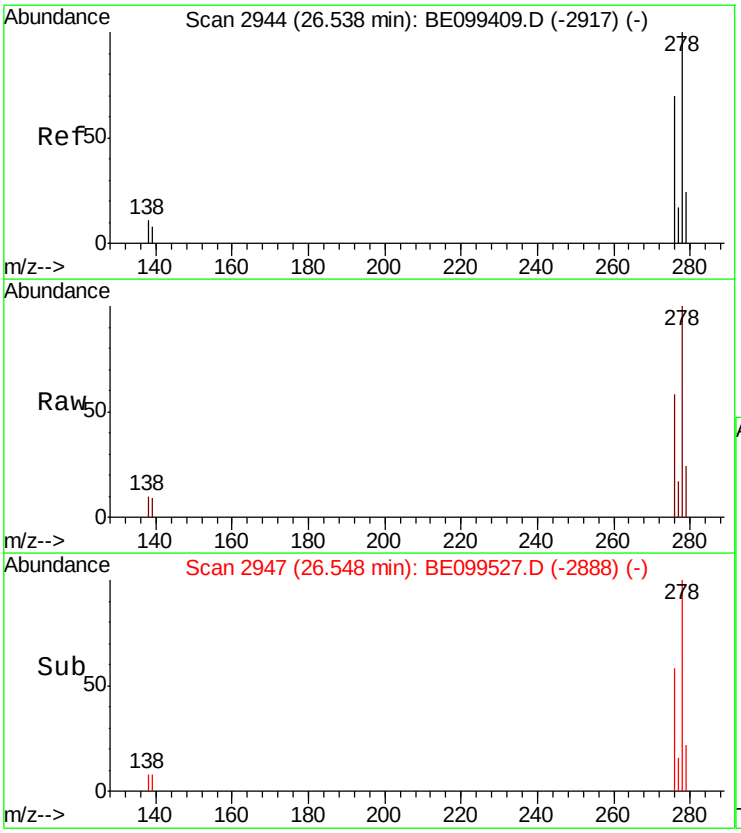
#37
Benzo(a)pyrene
Concen: 0.359 ng
RT: 23.76 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Instrument :
BNA_E
ClientSampleId :
SP4722

Tgt Ion:252 Resp: 34265

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.9	28.3
125	7.8	6.7	10.1

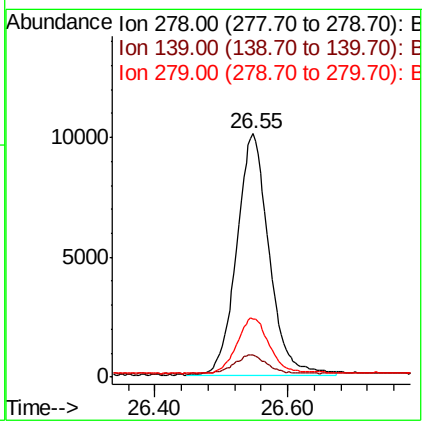


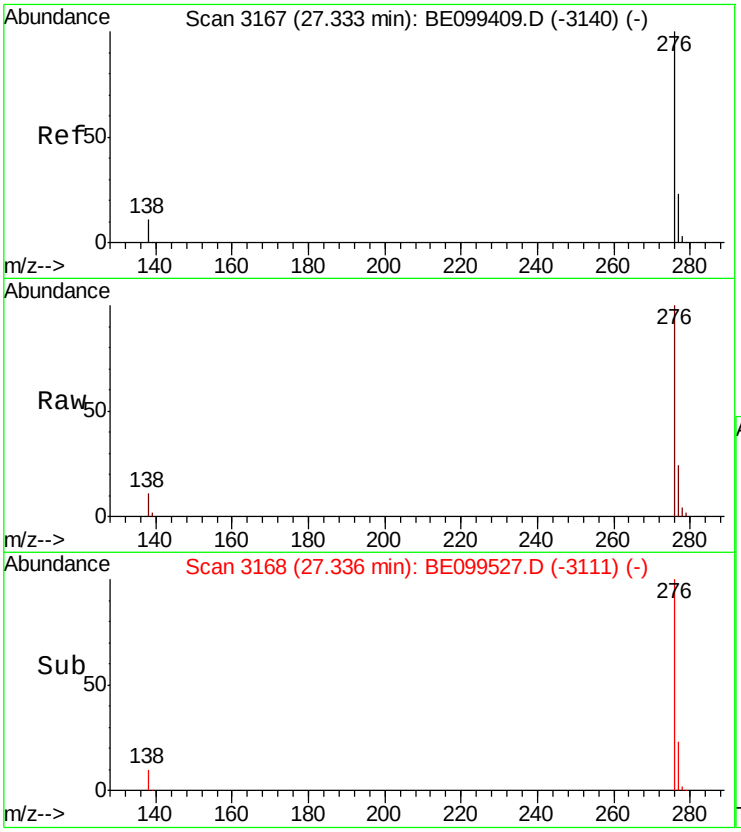


#38
Dibenzo(a,h)anthracene
Concen: 0.349 ng
RT: 26.55 min Scan# 2947
Delta R.T. 0.01 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:278 Resp: 34116

Ion	Ratio	Lower	Upper
278	100		
139	9.2	7.7	11.5
279	23.8	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 0.355 ng
RT: 27.34 min Scan# 3168
Delta R.T. 0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Instrument :
BNA_E
ClientSampleId :
SP4722

Tgt Ion:276 Resp: 34733

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.5	29.3
138	11.0	9.6	14.4