Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052019\
Data File : BE099659.D
Acq On : 20 May 2019 11:15
Operator : JU/SJ
Sample : SSTDICC0.1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC0.1

Quant Time: May 20 17:49:50 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 16:14:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	1598	0.40	ng		0.01
7) Naphthalene-d8	10.64	136	5577	0.40	ng		0.03
13) Acenaphthene-d10	14.50	164	3808	0.40	ng		0.01
19) Phenanthrene-d10	17.24	188	12222	0.40	ng		0.01
27) Chrysene-d12	21.43	240	18325	0.40	ng		0.01
34) Perylene-d12	23.97	264	20644	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.40	112	380	0.08	ng		0.02
5) Phenol-d6	7.00	99	486	0.08	ng		0.02
8) Nitrobenzene-d5	9.00	82	363	0.07	ng		0.03
11) 2-Methylnaphthalene-d10	12.24	152	914	0.10	ng		0.01
14) 2,4,6-Tribromophenol	16.00	330	156	0.06	ng		0.01
15) 2-Fluorobiphenyl	13.13	172	1412	0.10	ng		0.03
25) Fluoranthene-d10	19.28	212	15513	0.10	ng		0.01
29) Terphenyl-d14	19.87	244	2991	0.09	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	291	0.123	ng		92
6) bis(2-Chloroethyl)ether	7.25	93	468	0.097	ng		81
9) Naphthalene	10.69	128	5773	0.097	ng	#	97
10) Hexachlorobutadiene	10.97	225	432	0.100	ng		97
12) 2-Methylnaphthalene	12.31	142	847	0.086	ng	#	92
16) Acenaphthylene	14.23	152	1603	0.089	ng		98
17) Acenaphthene	14.56	154	891	0.088	ng		95
18) Fluorene	15.54	166	1327	0.091	ng		98
20) 4-Bromophenyl-phenylether	16.44	248	594	0.084	ng	#	94
21) Hexachlorobenzene	16.55	284	650	0.094	ng		99
23) Phenanthrene	17.28	178	2747	0.091	ng		97
24) Anthracene	17.38	178	2217	0.079	ng		97
26) Fluoranthene	19.30	202	4292	0.094	ng		100
28) Pyrene	19.67	202	4306	0.092	ng		99
30) Benzo(a)anthracene	21.41	228	4725	0.085	ng		98
31) Chrysene	21.46	228	5274	0.092	ng		98
32) Bis(2-ethylhexyl)phthalate	21.32	149	6329	0.074	ng		100
33) Indeno(1,2,3-cd)pyrene	26.67	276	6093	0.086	ng		97
35) Benzo(b)fluoranthene	23.19	252	5135	0.089	ng	#	83
36) Benzo(k)fluoranthene	23.24	252	5658	0.099	ng	#	90
37) Benzo(a)pyrene	23.86	252	5126	0.092	ng	#	84
38) Dibenzo(a,h)anthracene	26.70	278	5123	0.088	ng	#	87
39) Benzo(g,h,i)perylene	27.50	276	5305	0.091	ng	#	96

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

Quantitation Report (QT Reviewed)

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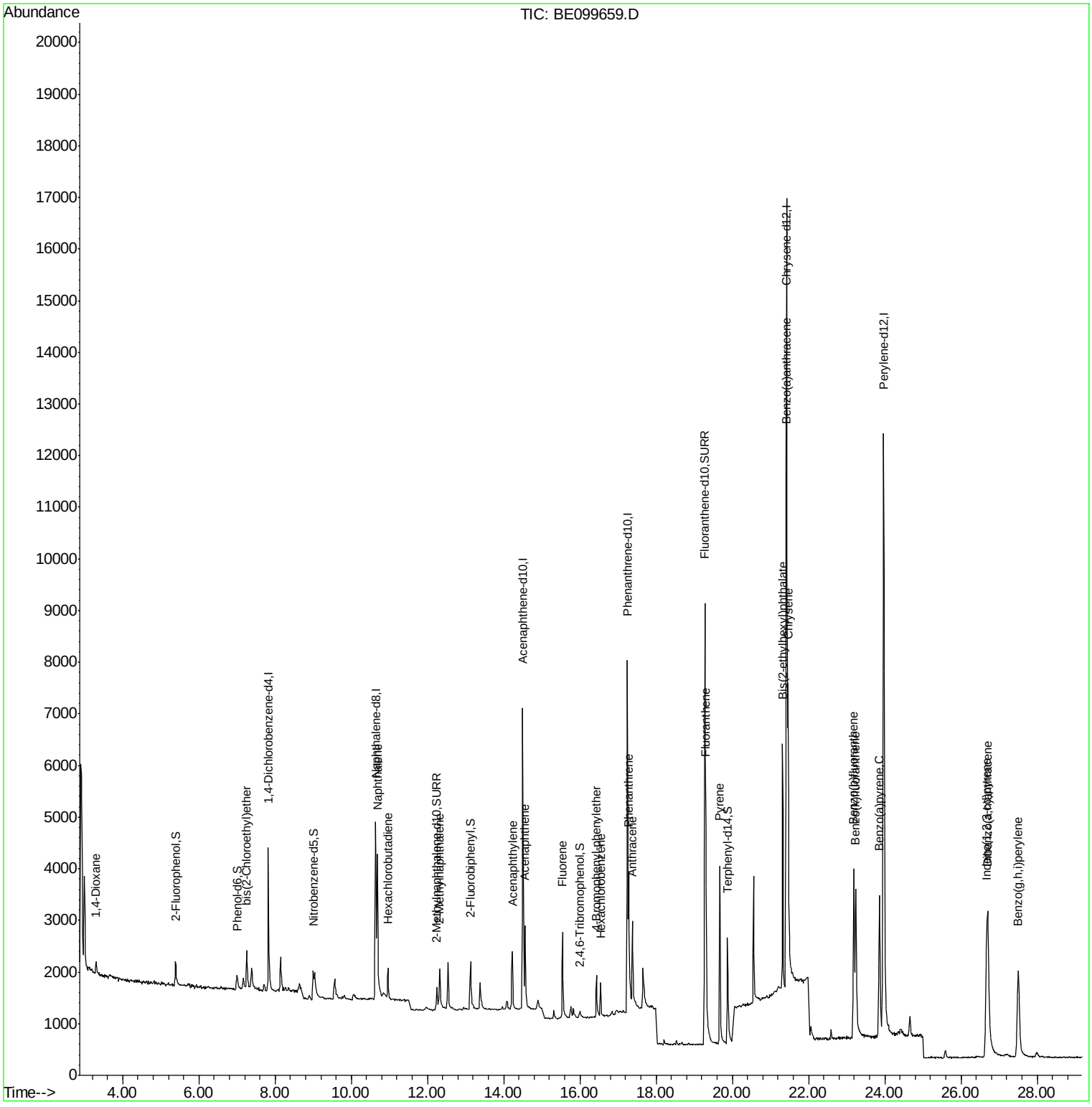
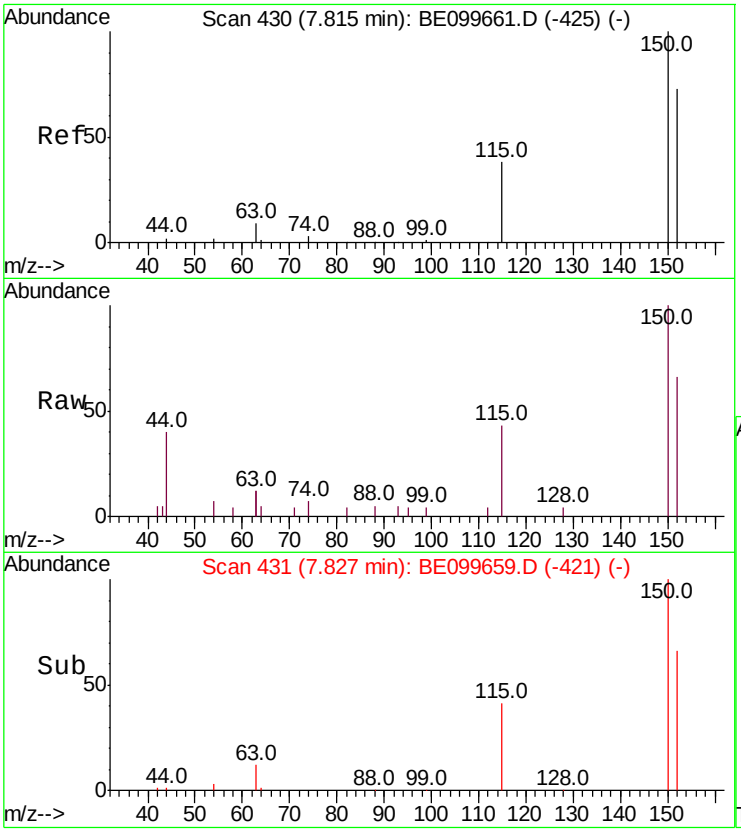
Data File : BE099659.D
Acq On : 20 May 2019 11:15
Operator : JU/SJ
Sample : SSTDICC0.1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Quant Time: May 20 17:49:50 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 16:14:56 2019
Response via : Initial Calibration



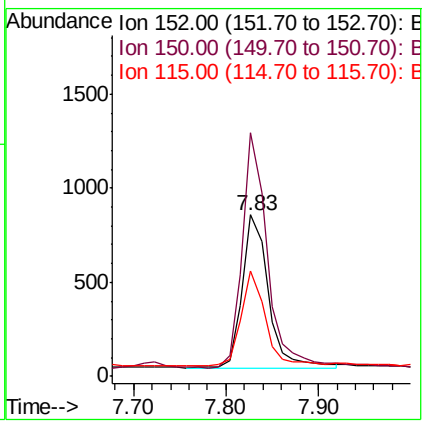


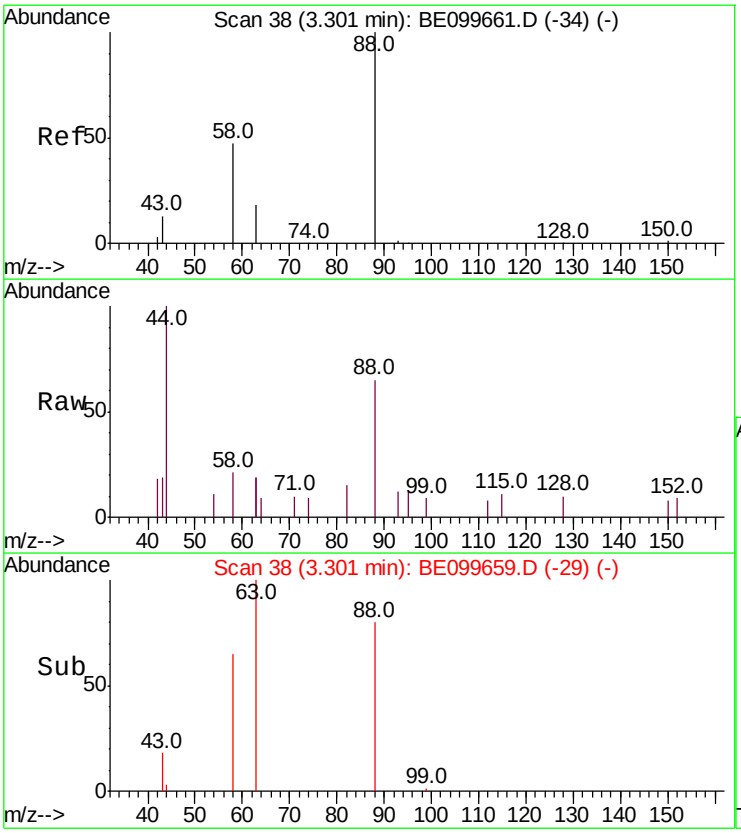
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.83 min Scan# 431
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 1598

Ion	Ratio	Lower	Upper
152	100		
150	151.0	109.2	163.8
115	65.6	43.7	65.5#

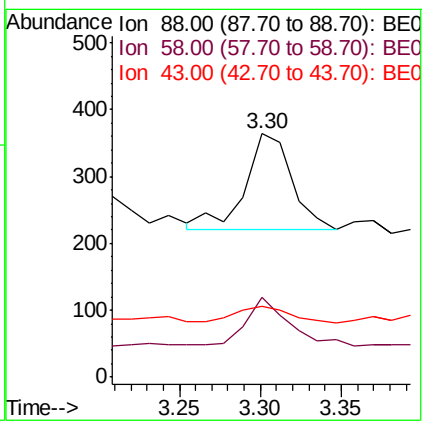


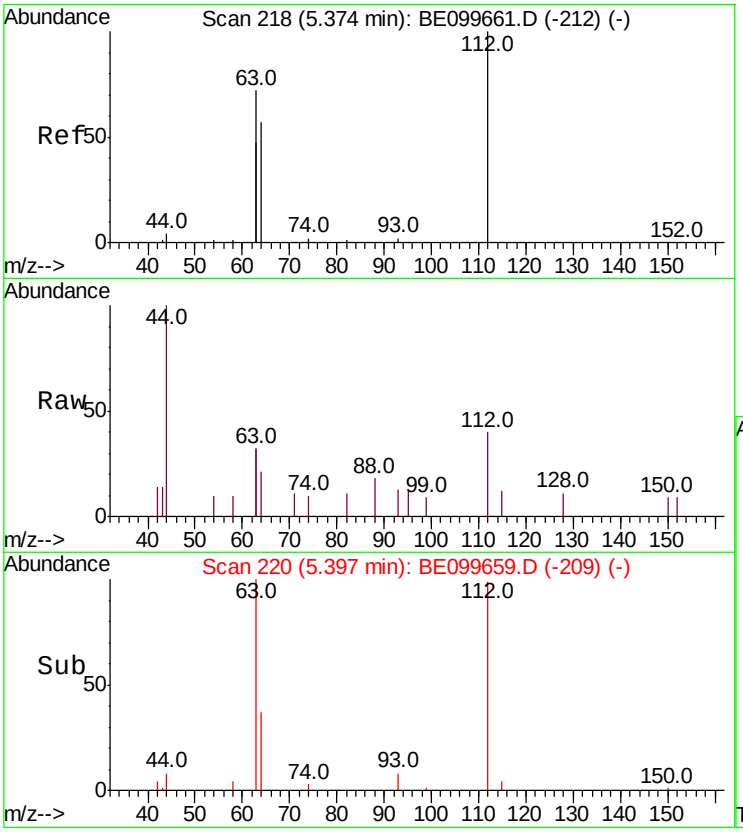


#2
1,4-Dioxane
Concen: 0.123 ng
RT: 3.30 min Scan# 38
Delta R.T. 0.00 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Tgt Ion: 88 Resp: 291

Ion	Ratio	Lower	Upper
88	100		
58	45.0	41.8	62.8
43	19.6	15.0	22.4



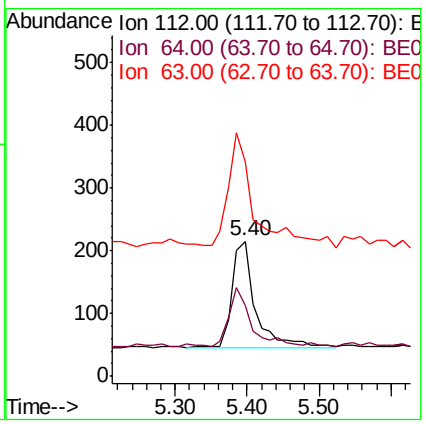


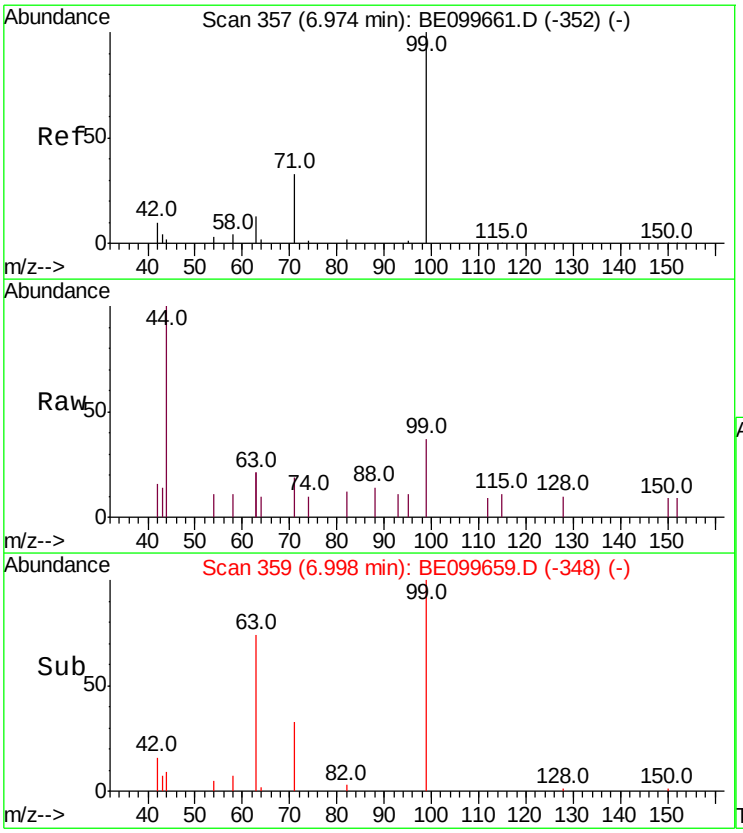
#4
2-Fluorophenol
Concen: 0.084 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.02 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:112 Resp: 380

Ion	Ratio	Lower	Upper
112	100		
64	50.8	43.4	65.2
63	125.8	96.9	145.3

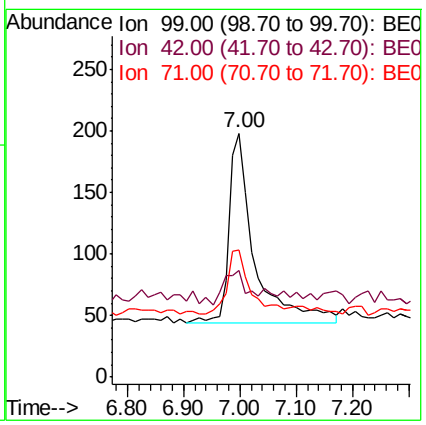


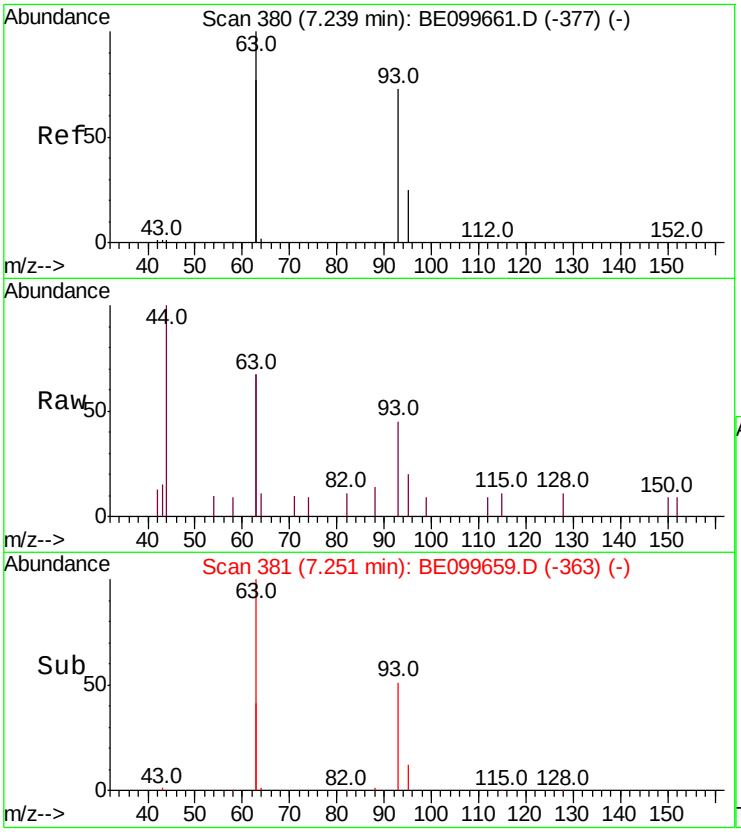


#5
Phenol-d6
Concen: 0.085 ng
RT: 7.00 min Scan# 359
Delta R.T. 0.02 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Tgt Ion: 99 Resp: 486

Ion	Ratio	Lower	Upper
99	100		
42	15.8	12.2	18.2
71	31.1	28.9	43.3



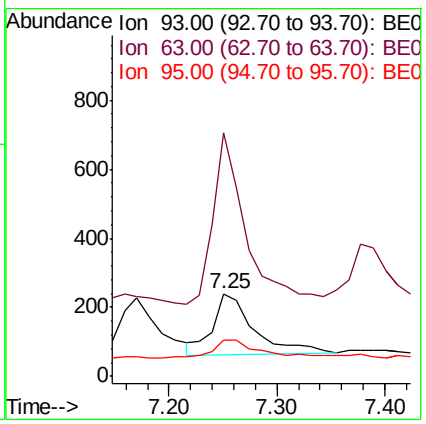


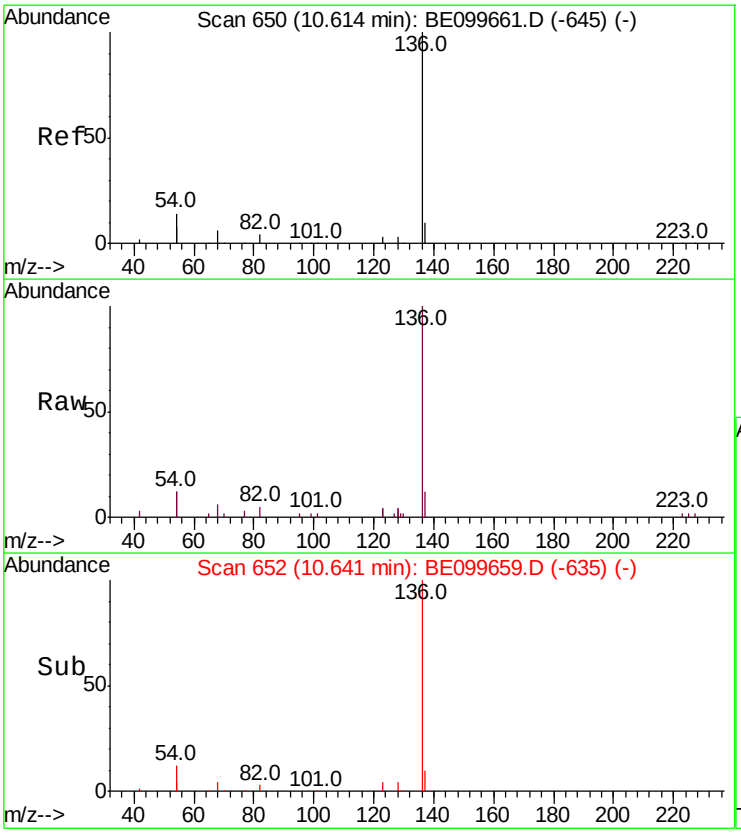
#6
bis(2-Chloroethyl)ether
Concen: 0.097 ng
RT: 7.25 min Scan# 381
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion: 93 Resp: 468

Ion	Ratio	Lower	Upper
93	100		
63	224.1	207.8	311.6
95	36.5	25.9	38.9

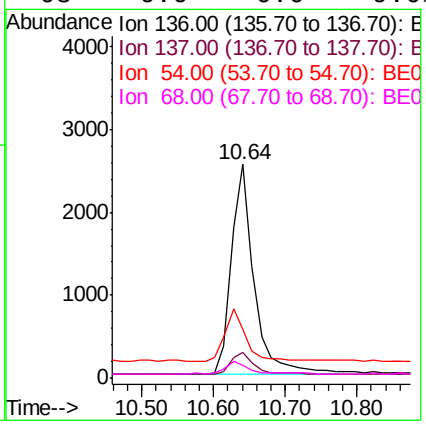


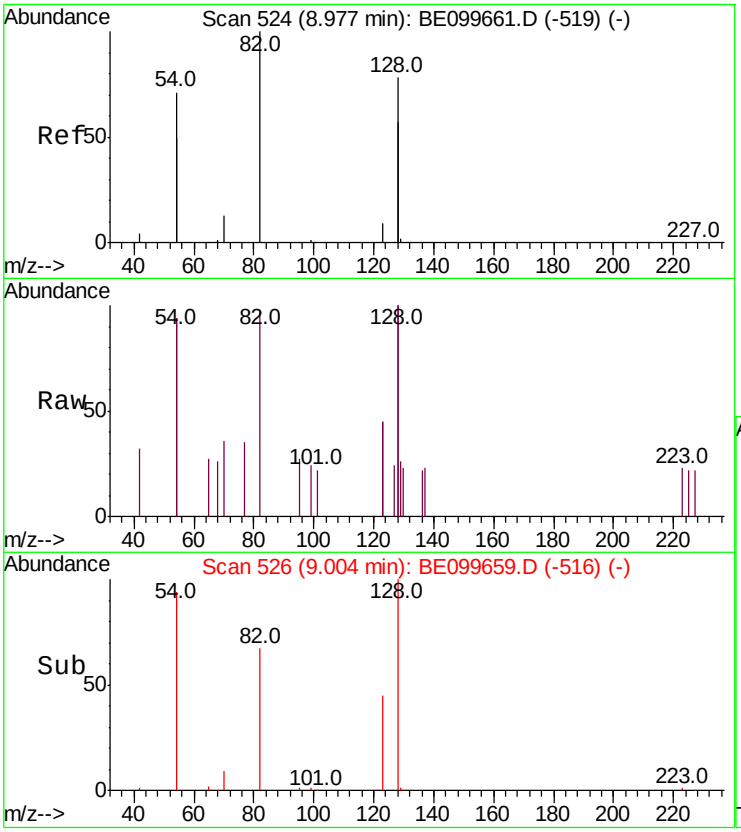


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.64 min Scan# 652
Delta R.T. 0.03 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Tgt Ion:136 Resp: 5577

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.0	13.6
54	23.0	22.3	33.5
68	6.0	6.0	9.0#



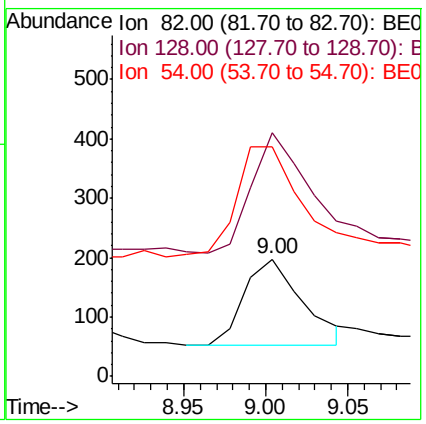


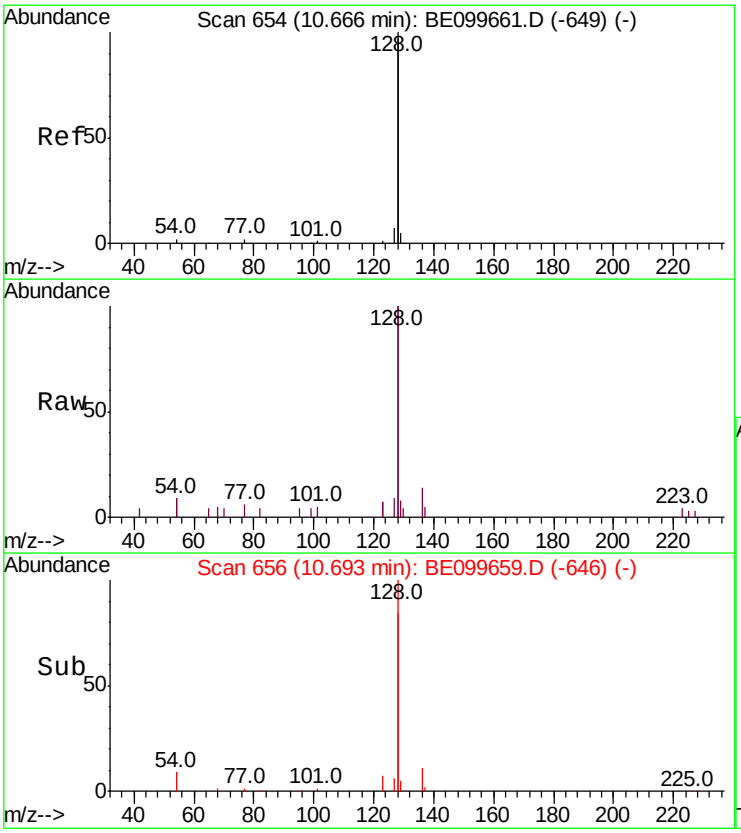
#8
Nitrobenzene-d5
Concen: 0.067 ng
RT: 9.00 min Scan# 526
Delta R.T. 0.03 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion: 82 Resp: 363

Ion	Ratio	Lower	Upper
82	100		
128	207.1	117.7	176.5#
54	194.9	106.6	160.0#

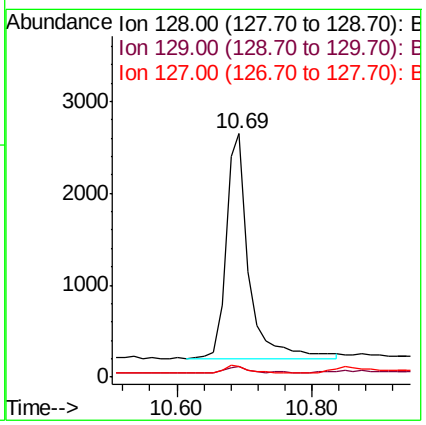


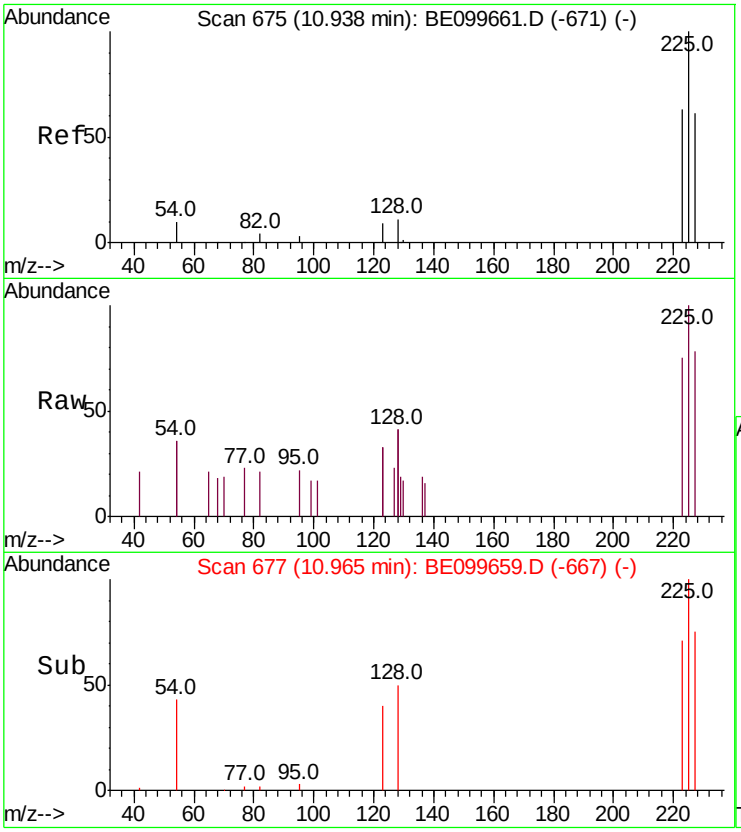


#9
Naphthalene
Concen: 0.097 ng
RT: 10.69 min Scan# 656
Delta R.T. 0.03 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Tgt Ion:128 Resp: 5773

Ion	Ratio	Lower	Upper
128	100		
129	4.2	2.4	3.6#
127	4.6	2.9	4.3#



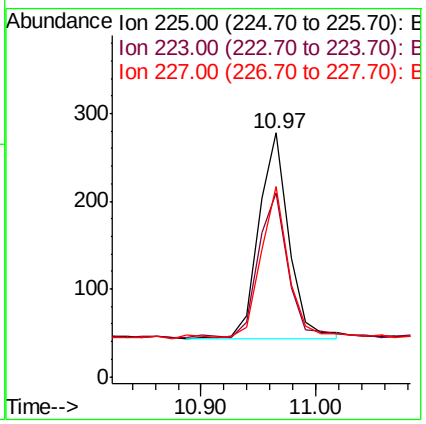


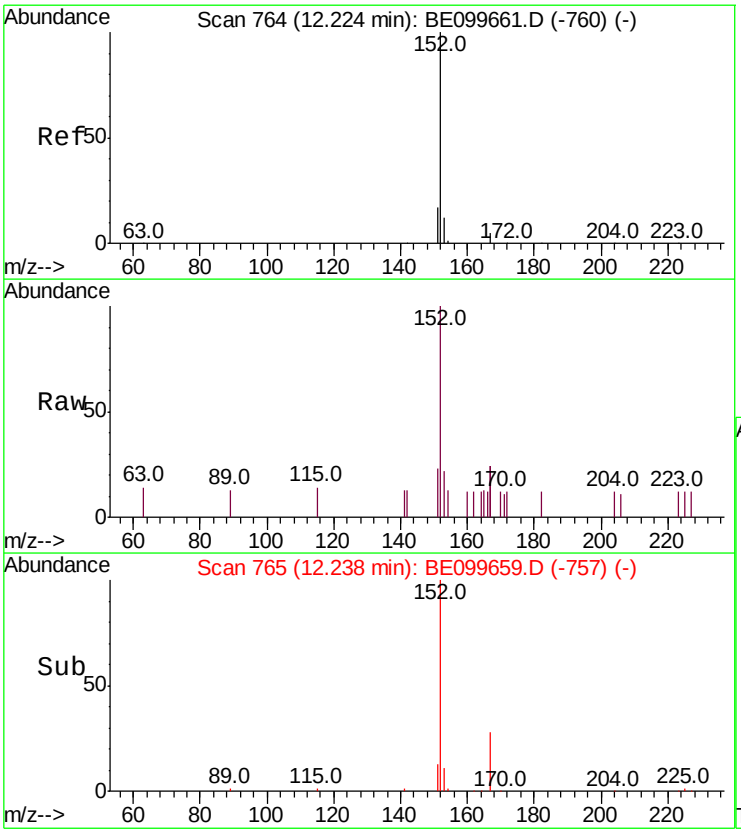
#10
Hexachlorobutadiene
Concen: 0.100 ng
RT: 10.97 min Scan# 677
Delta R.T. 0.03 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:225 Resp: 432

Ion	Ratio	Lower	Upper
225	100		
223	68.3	51.8	77.6
227	66.4	52.6	79.0

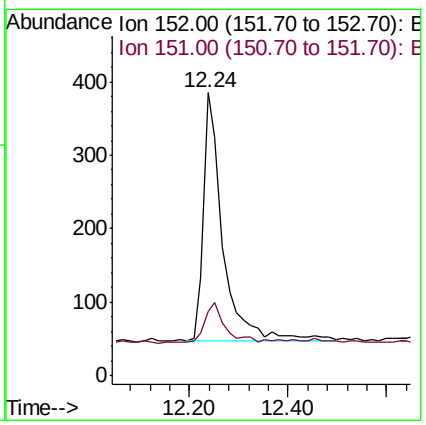


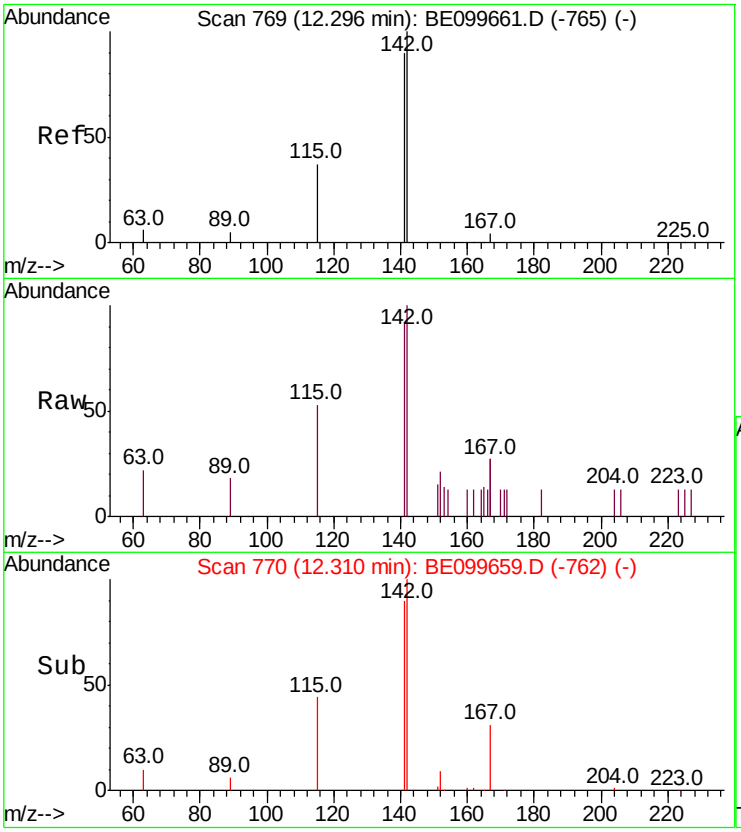


#11
2-Methylnaphthalene-d10
Concen: 0.097 ng
RT: 12.24 min Scan# 765
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Tgt Ion:152 Resp: 914

Ion	Ratio	Lower	Upper
152	100		
151	17.1	15.0	22.4



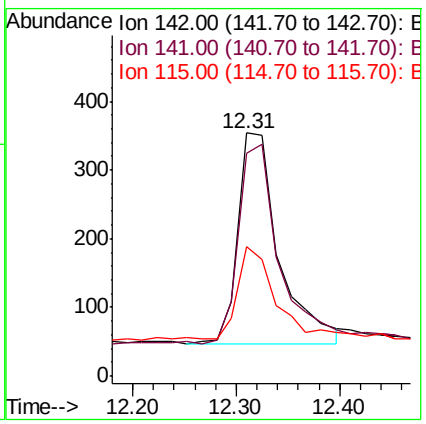


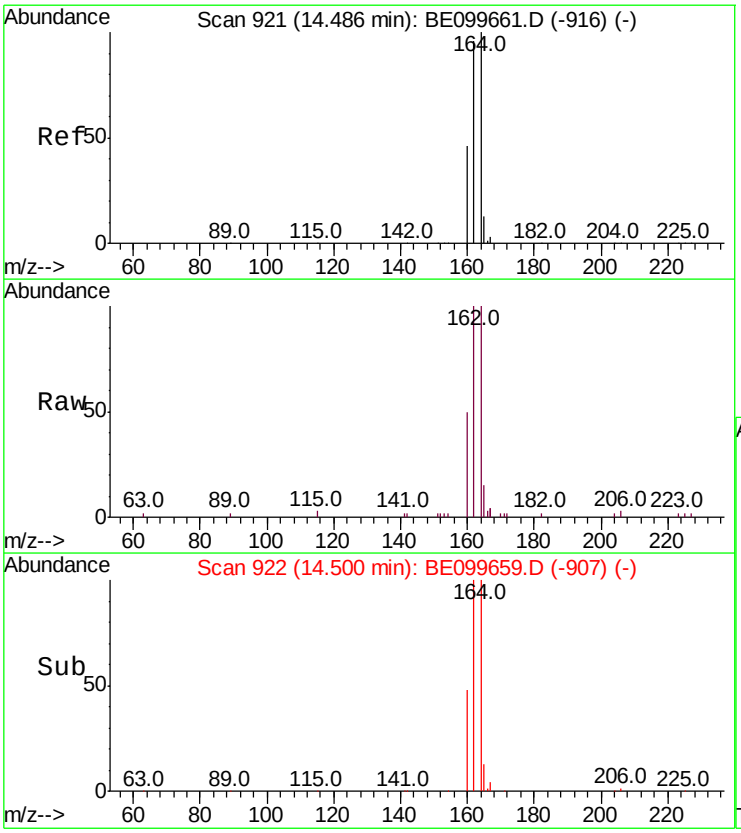
#12
2-Methylnaphthalene
Concen: 0.086 ng
RT: 12.31 min Scan# 770
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:142 Resp: 847

Ion	Ratio	Lower	Upper
142	100		
141	91.8	72.0	108.0
115	53.1	31.0	46.4#

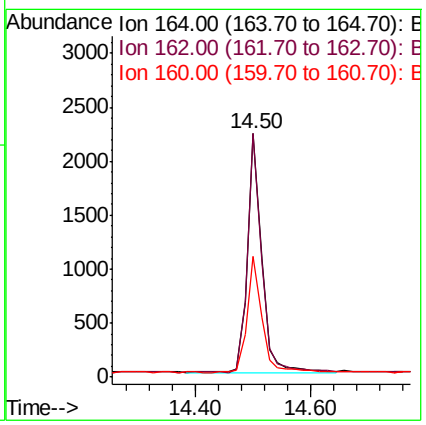


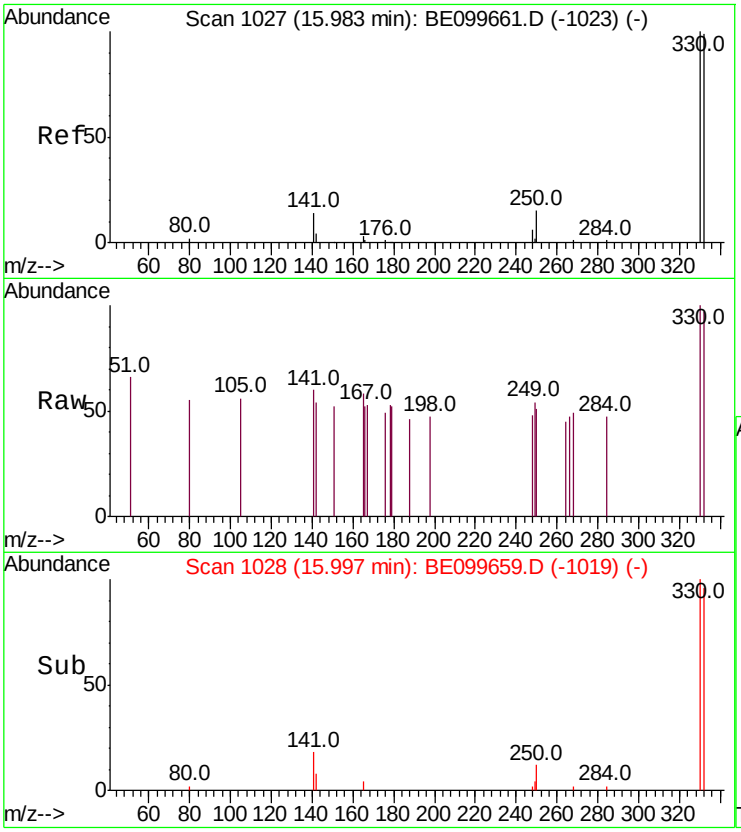


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Tgt Ion:164 Resp: 3808

Ion	Ratio	Lower	Upper
164	100		
162	99.8	76.5	114.7
160	49.5	37.4	56.2



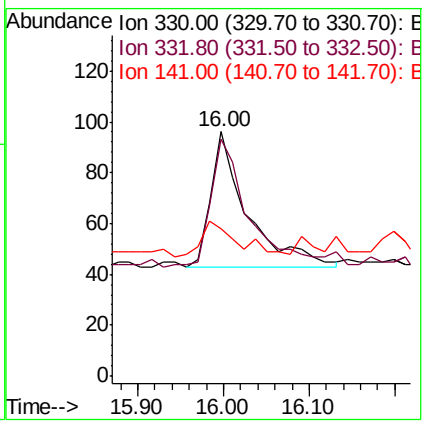


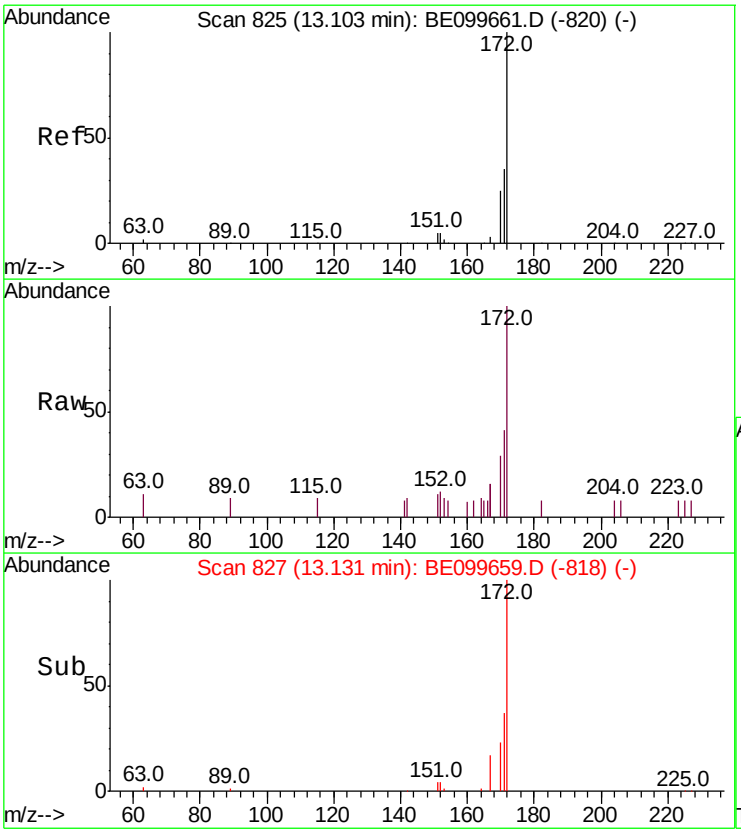
#14
2,4,6-Tribromophenol
Concen: 0.060 ng
RT: 16.00 min Scan# 1028
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:330 Resp: 156

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.3	115.9
141	26.9	18.9	28.3

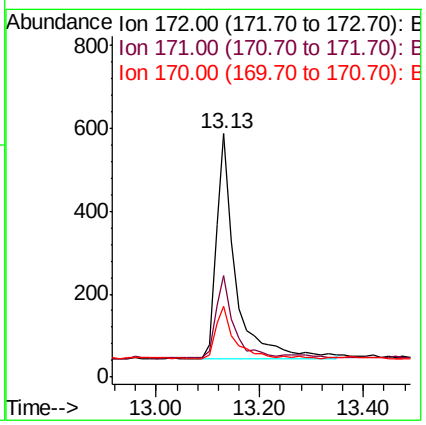


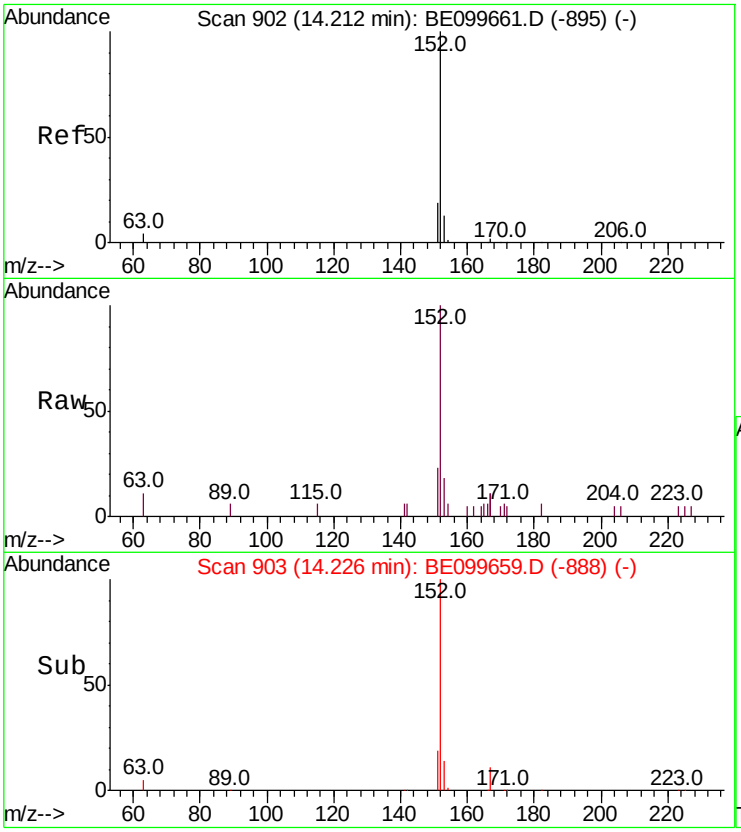


#15
2-Fluorobiphenyl
Concen: 0.096 ng
RT: 13.13 min Scan# 827
Delta R.T. 0.03 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Tgt Ion:172 Resp: 1412

Ion	Ratio	Lower	Upper
172	100		
171	41.5	28.7	43.1
170	29.3	20.9	31.3



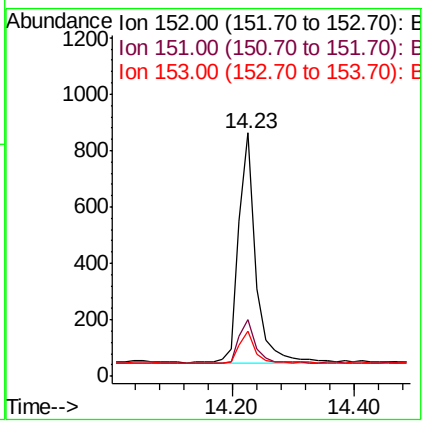


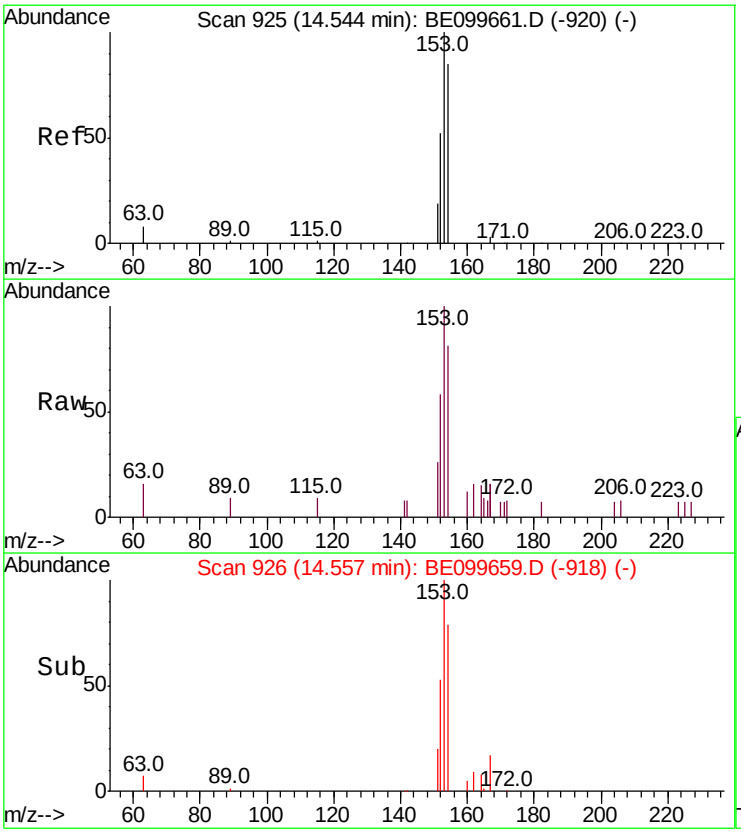
#16
Acenaphthylene
Concen: 0.089 ng
RT: 14.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 1603

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.9	23.9
153	12.7	10.6	16.0

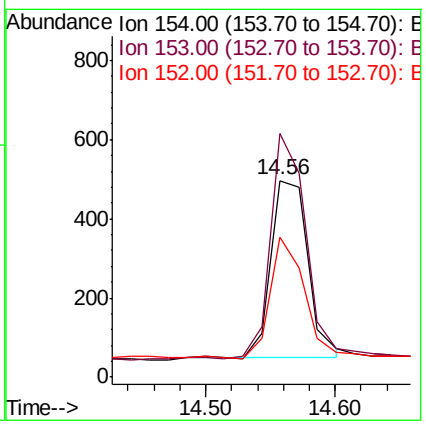


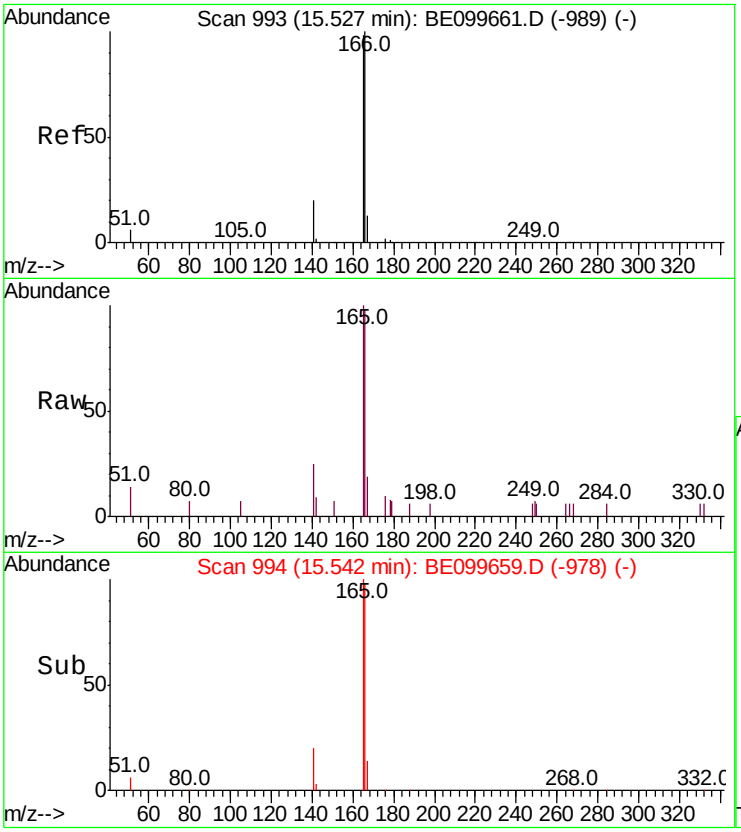


#17
Acenaphthene
Concen: 0.088 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Tgt Ion:154 Resp: 891

Ion	Ratio	Lower	Upper
154	100		
153	119.1	91.8	137.6
152	63.1	46.0	69.0



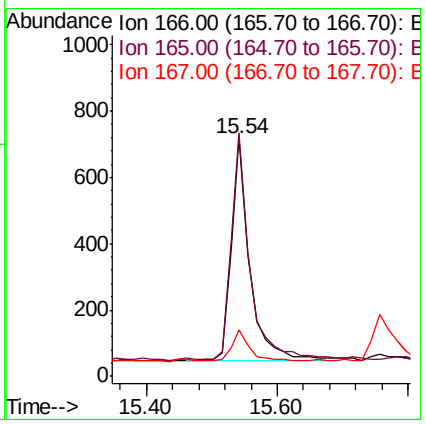


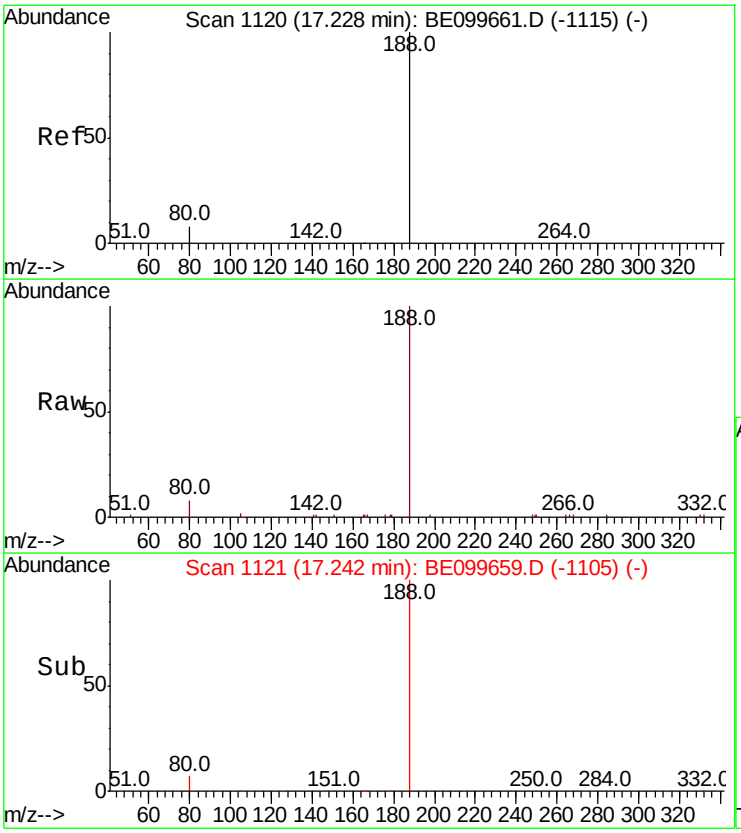
#18
Fluorene
Concen: 0.091 ng
RT: 15.54 min Scan# 994
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:166 Resp: 1327

Ion	Ratio	Lower	Upper
166	100		
165	102.6	80.3	120.5
167	14.0	10.6	16.0

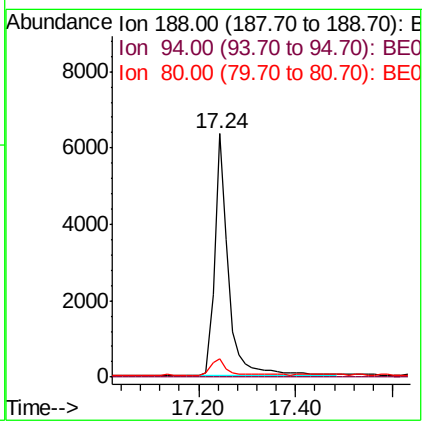


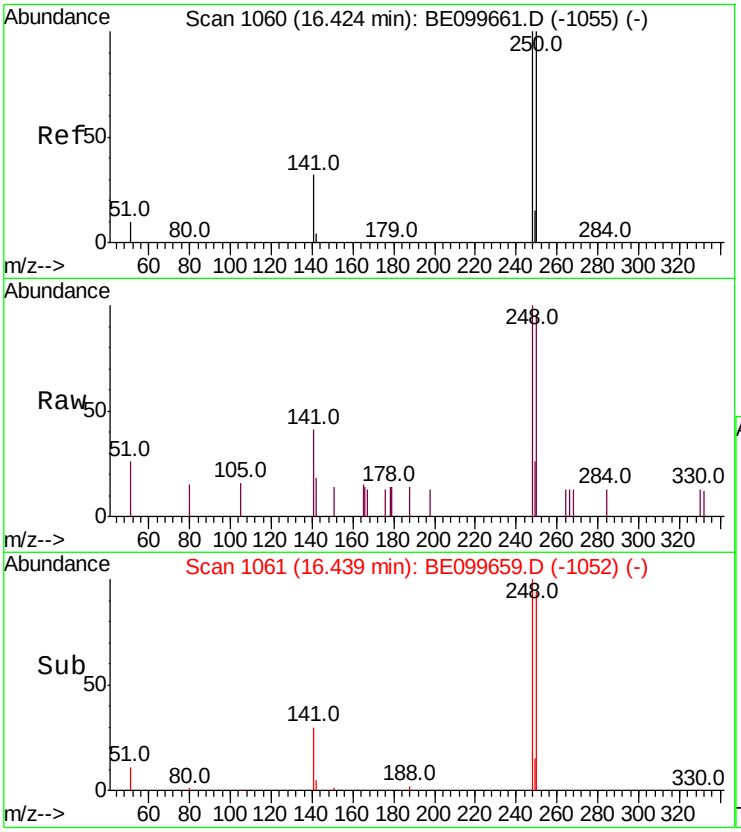


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Tgt Ion:188 Resp: 12222

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.6	6.7	10.1



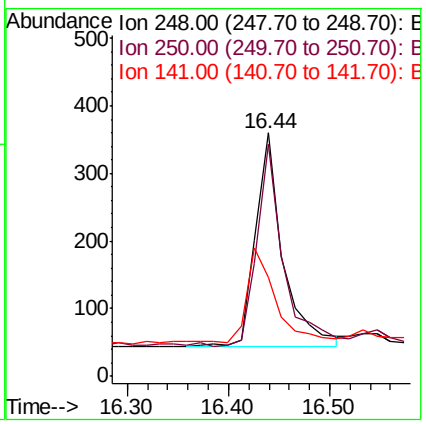


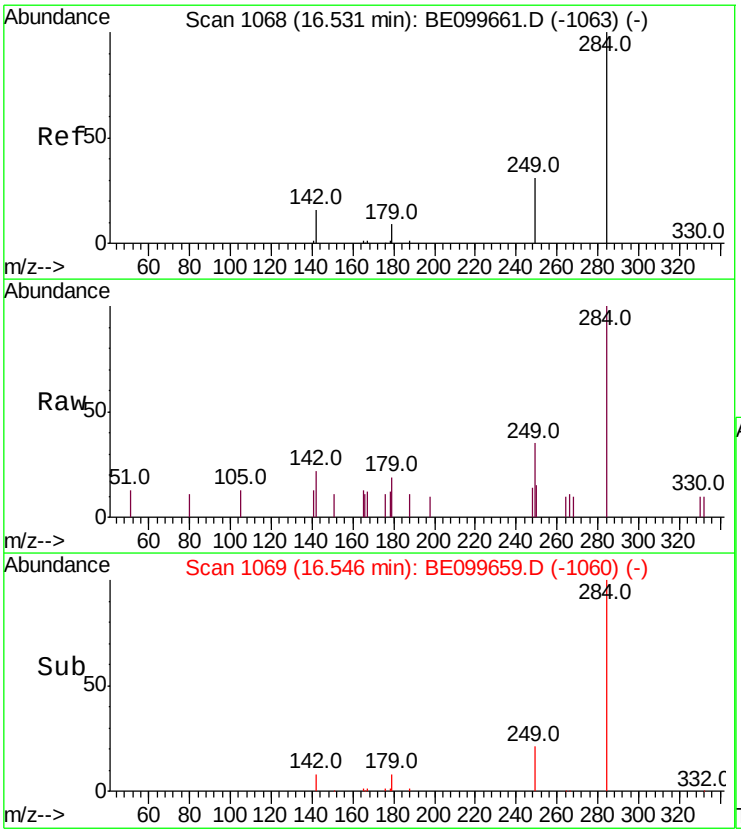
#20
4-Bromophenyl-phenylether
Concen: 0.084 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:248 Resp: 594

Ion	Ratio	Lower	Upper
248	100		
250	95.6	79.8	119.8
141	40.8	27.0	40.6#

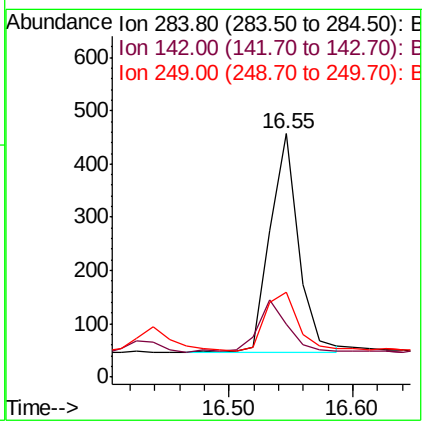


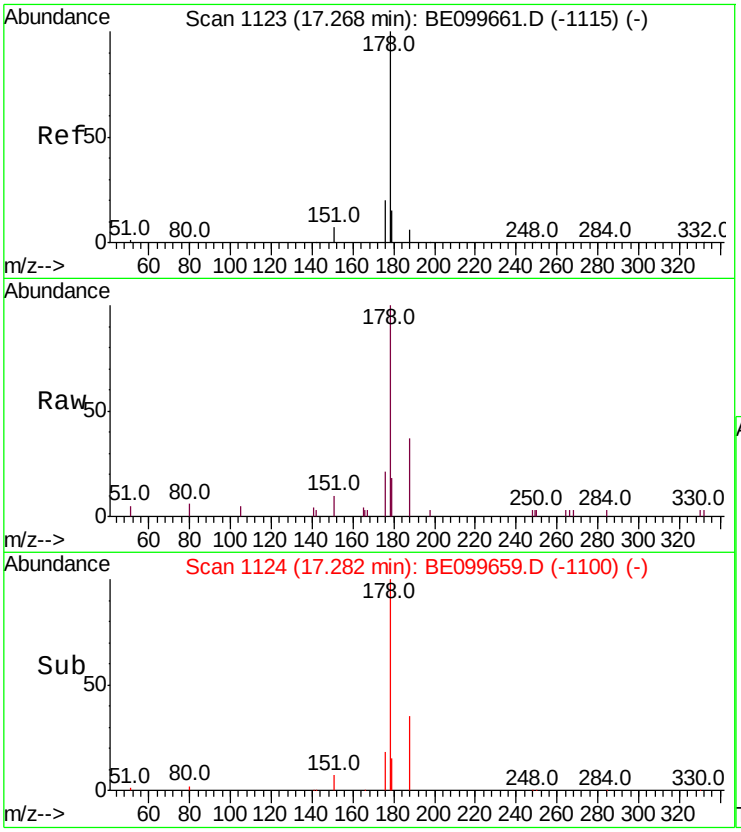


#21
Hexachlorobenzene
Concen: 0.094 ng
RT: 16.55 min Scan# 1069
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Tgt Ion:284 Resp: 650

Ion	Ratio	Lower	Upper
284	100		
142	22.9	17.8	26.6
249	31.2	24.8	37.2



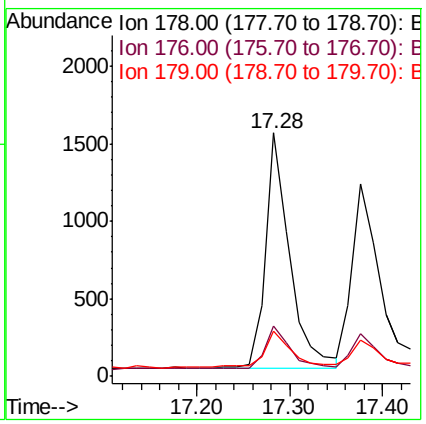


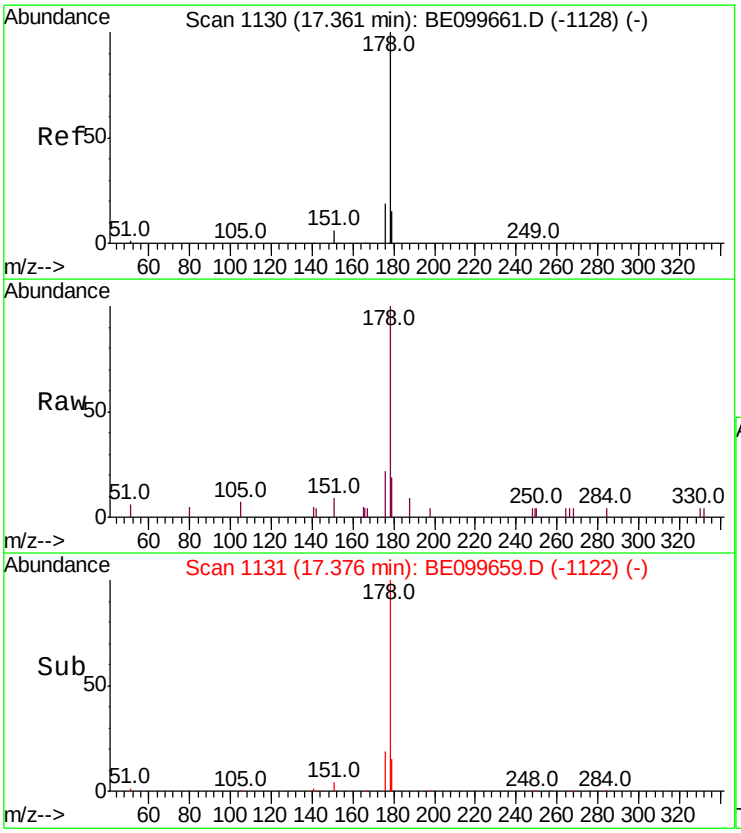
#23
Phenanthrene
Concen: 0.091 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 2747

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	17.7	12.2	18.4

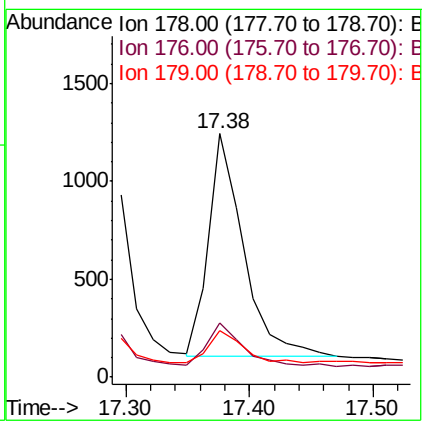


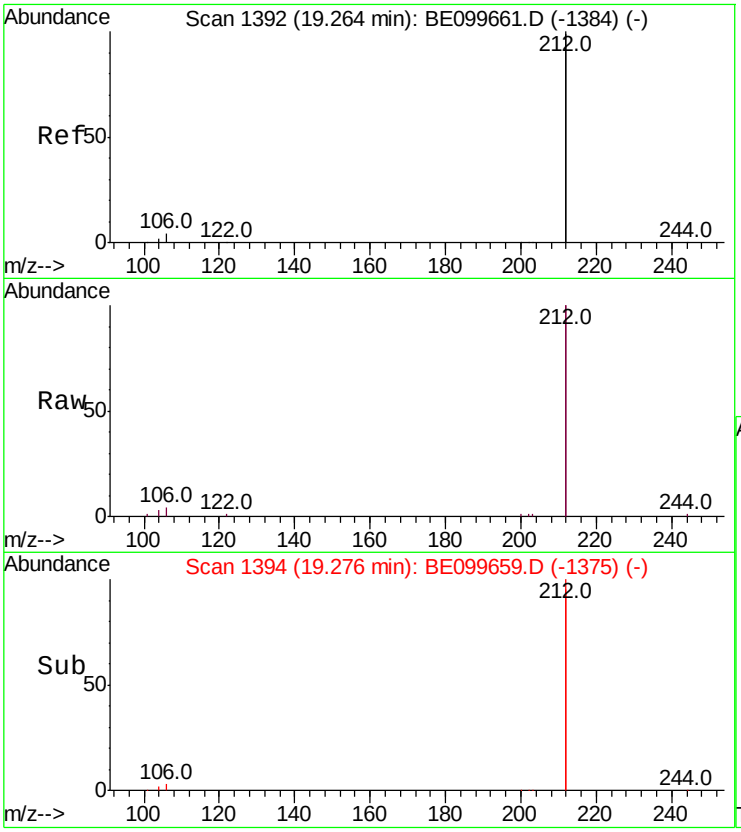


#24
Anthracene
Concen: 0.079 ng
RT: 17.38 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Tgt Ion:178 Resp: 2217

Ion	Ratio	Lower	Upper
178	100		
176	19.6	14.7	22.1
179	14.0	12.0	18.0



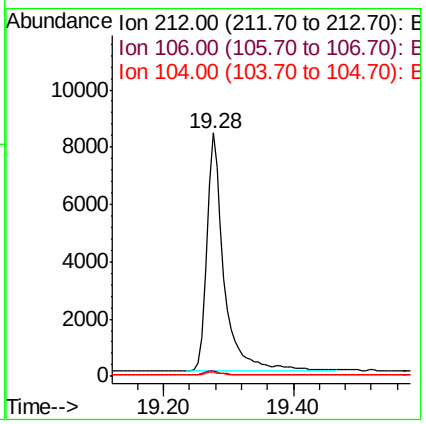


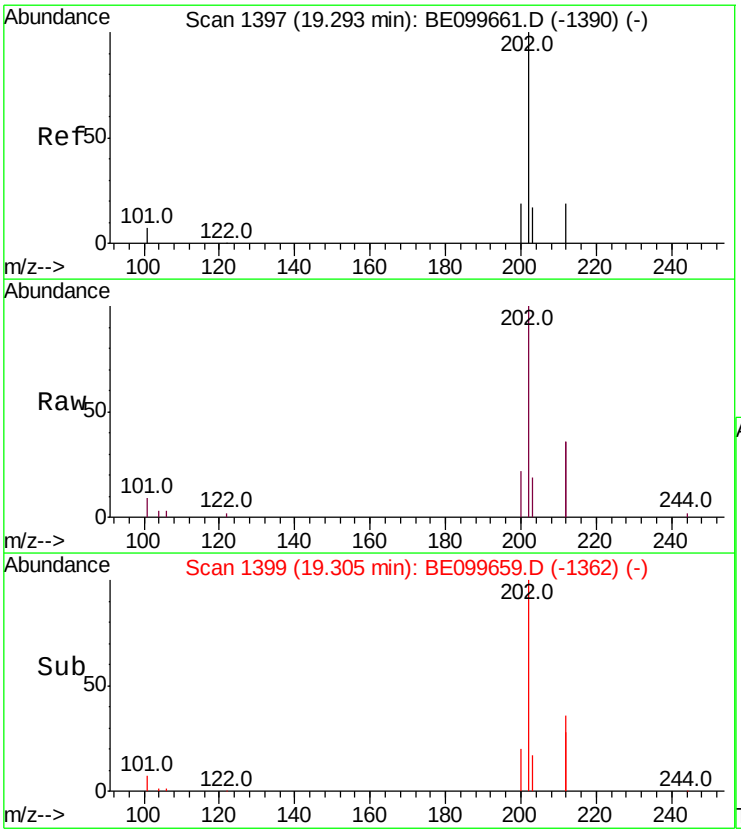
#25
Fluoranthene-d10
Concen: 0.095 ng
RT: 19.28 min Scan# 1394
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:212 Resp: 15513

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

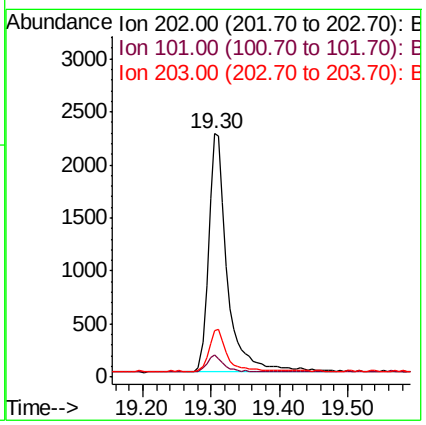


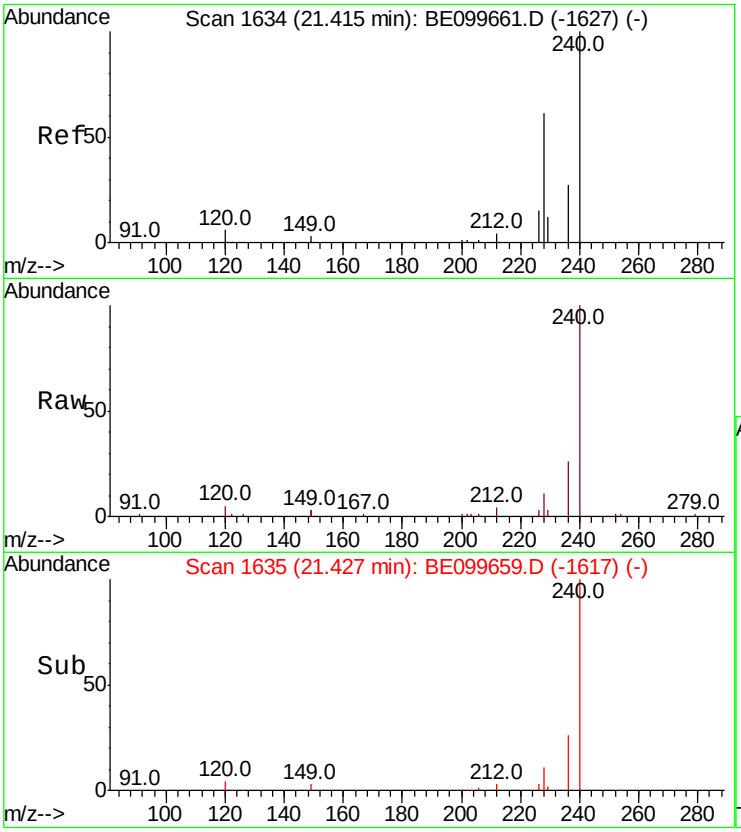


#26
Fluoranthene
Concen: 0.094 ng
RT: 19.30 min Scan# 1399
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Tgt Ion:202 Resp: 4292

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.2	7.8
203	17.1	13.8	20.6



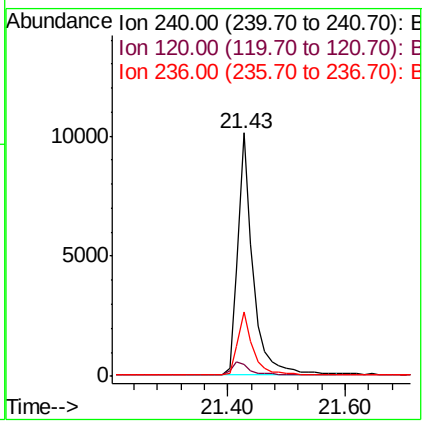


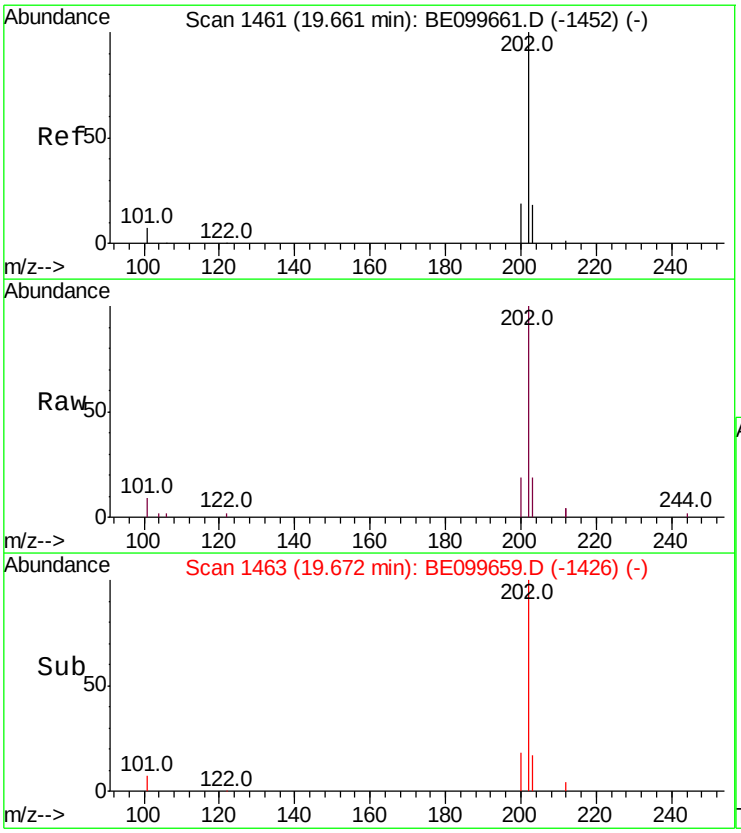
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1635
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:240 Resp: 18325

Ion	Ratio	Lower	Upper
240	100		
120	4.8	5.4	8.0#
236	26.5	21.7	32.5

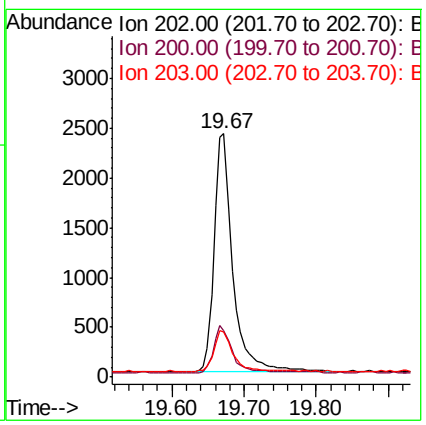


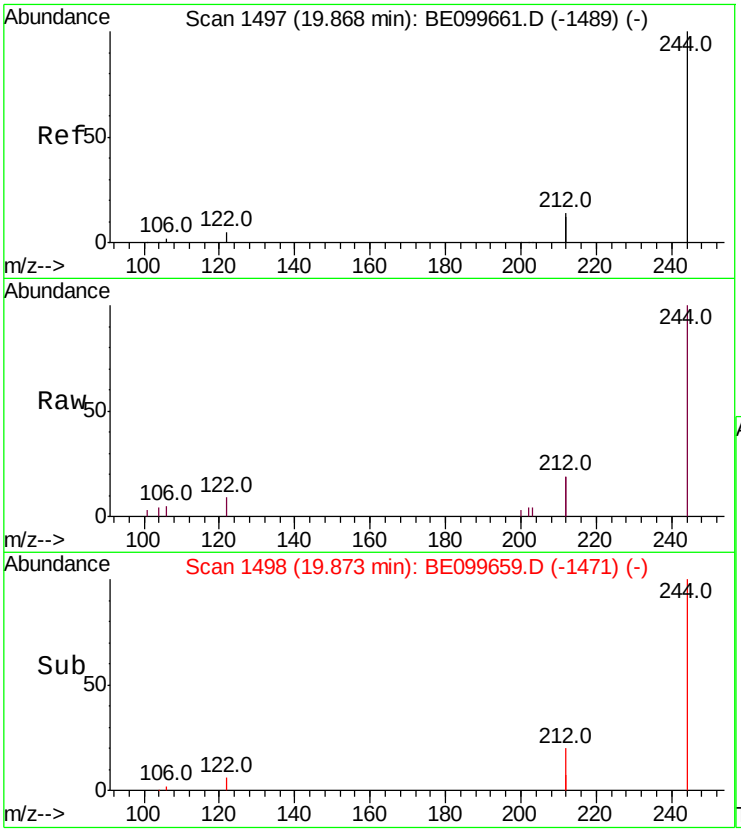


#28
Pyrene
Concen: 0.092 ng
RT: 19.67 min Scan# 1463
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Tgt Ion:202 Resp: 4306

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.4	23.2
203	18.1	13.8	20.8



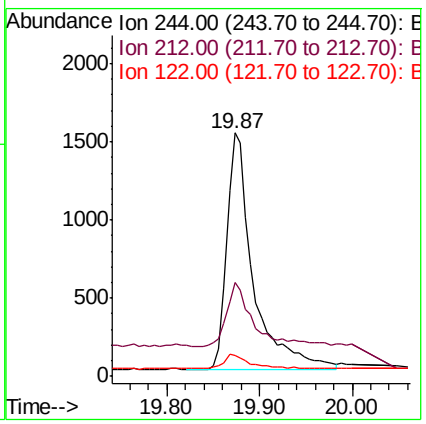


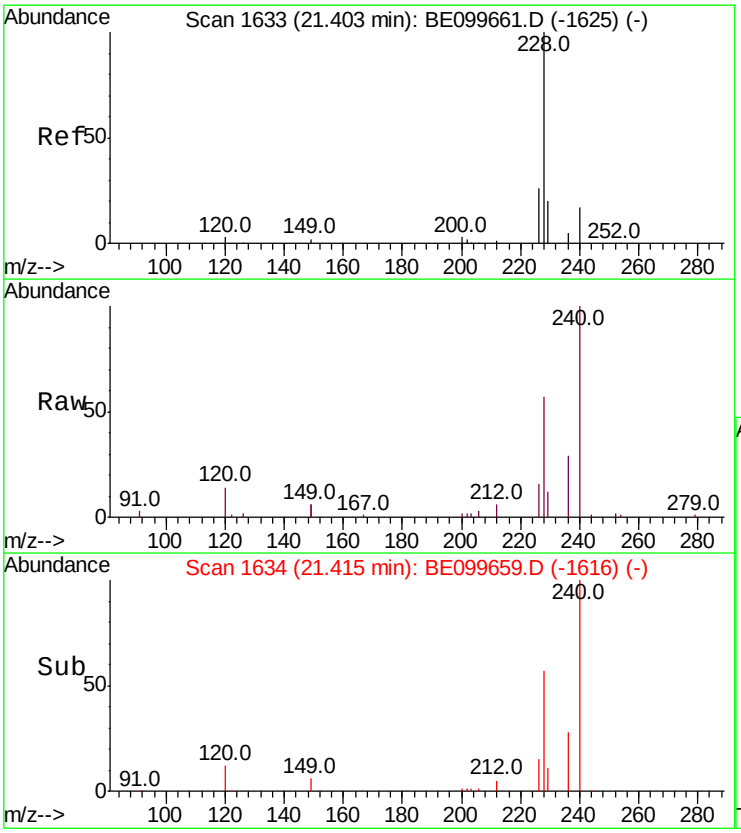
#29
Terphenyl-d14
Concen: 0.091 ng
RT: 19.87 min Scan# 1498
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:244 Resp: 2991

Ion	Ratio	Lower	Upper
244	100		
212	38.3	22.5	33.7#
122	8.7	4.3	6.5#

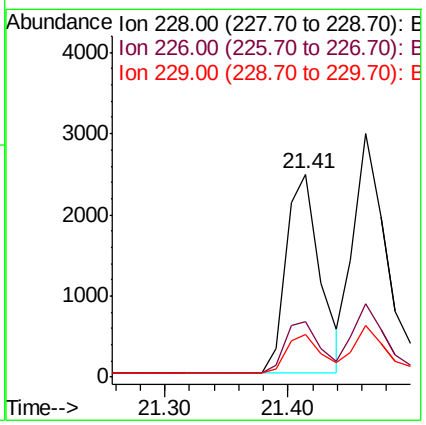


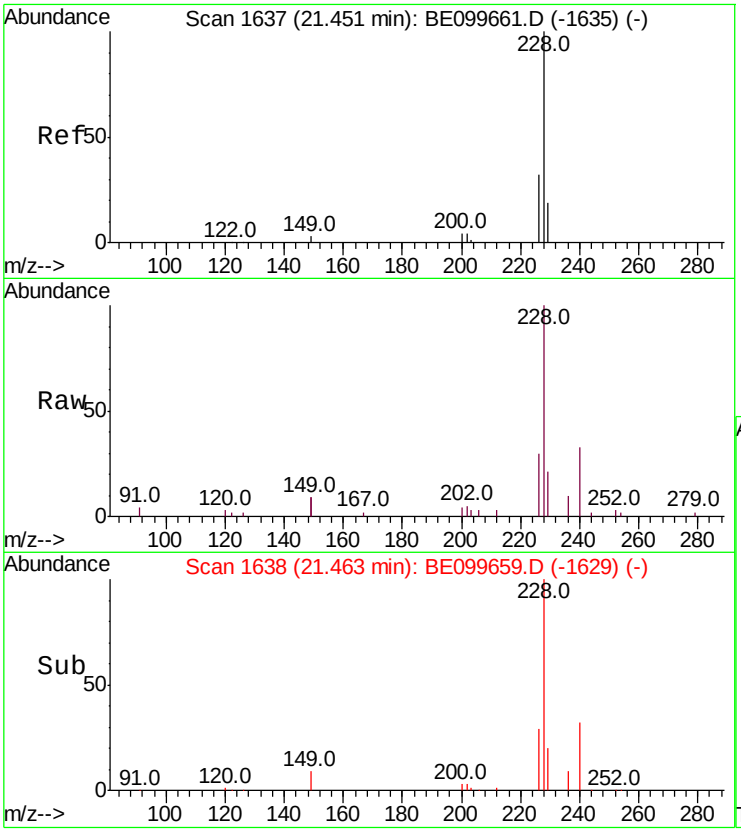


#30
Benzo(a)anthracene
Concen: 0.085 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Tgt Ion:228 Resp: 4725

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.3	31.9
229	21.3	16.1	24.1



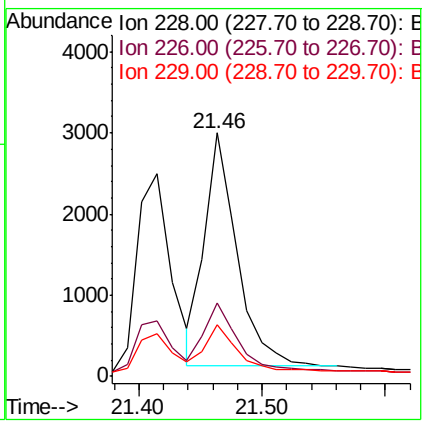


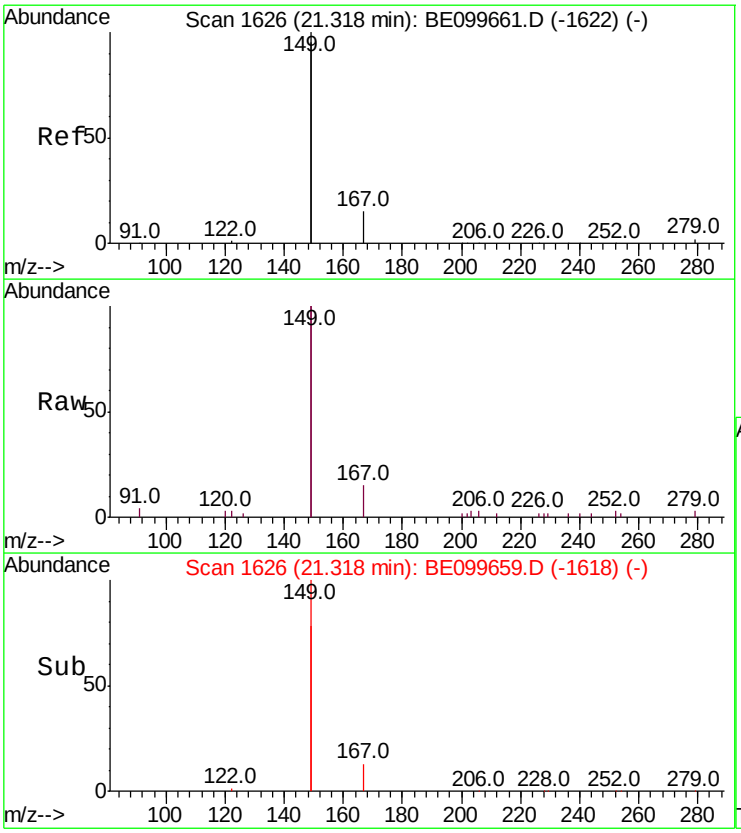
#31
Chrysene
Concen: 0.092 ng
RT: 21.46 min Scan# 1638
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 5274

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.7	37.1
229	21.0	15.8	23.6

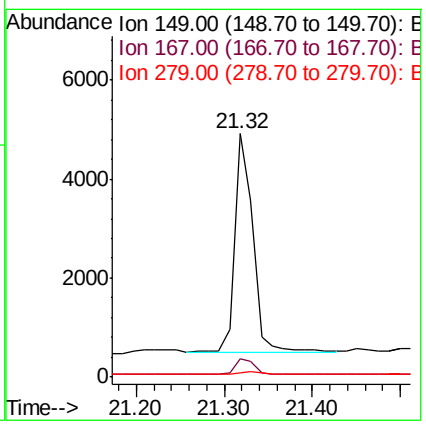


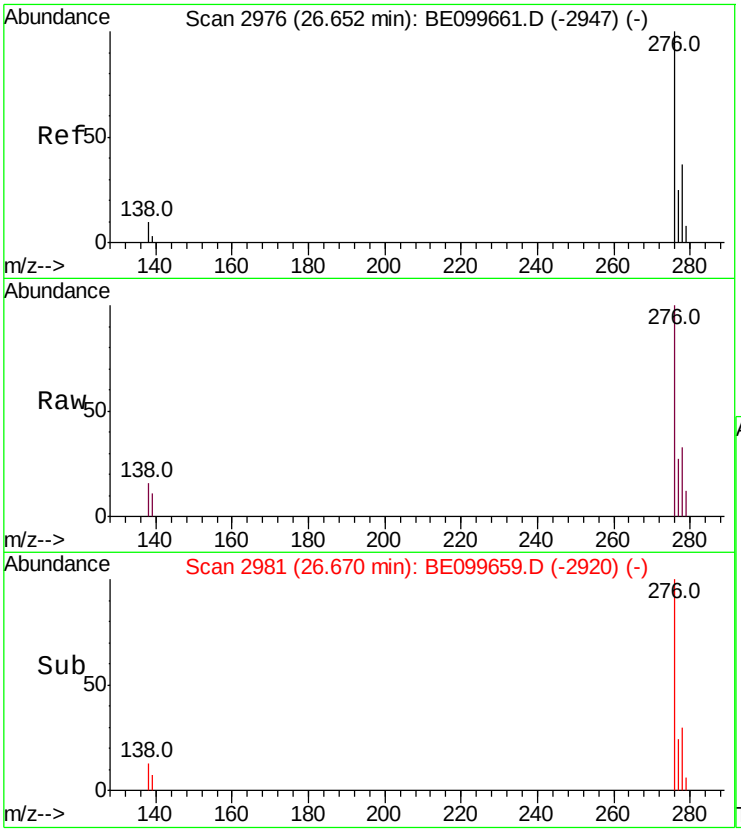


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.074 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Tgt Ion:149 Resp: 6329

Ion	Ratio	Lower	Upper
149	100		
167	7.7	6.2	9.4
279	1.4	1.2	1.8



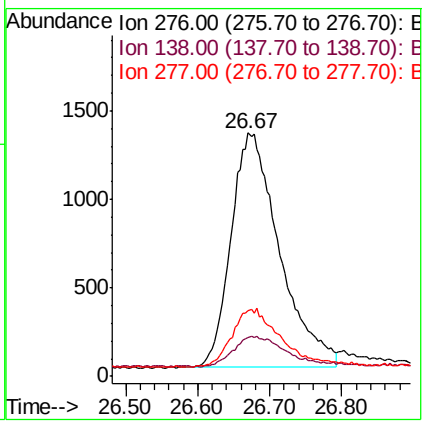


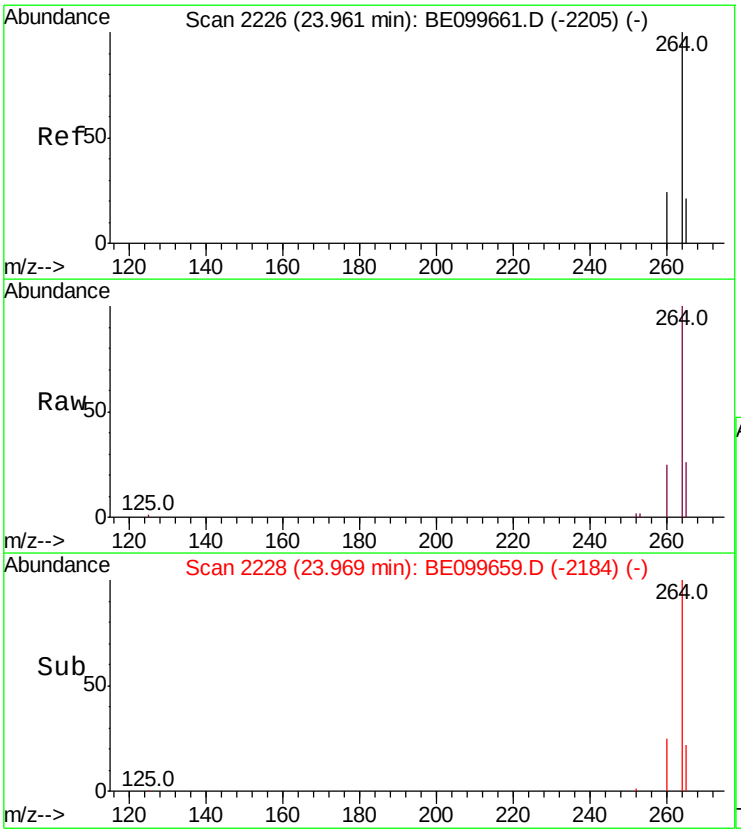
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.086 ng
RT: 26.67 min Scan# 2981
Delta R.T. 0.02 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 6093

Ion	Ratio	Lower	Upper
276	100		
138	13.6	9.6	14.4
277	25.3	19.2	28.8

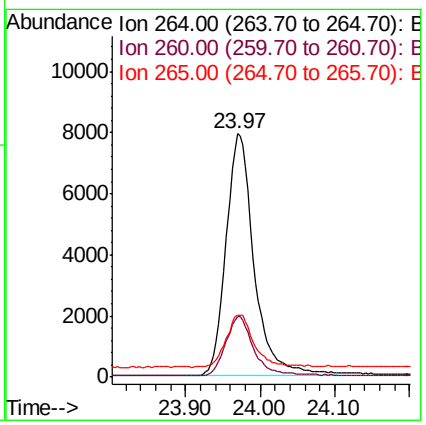


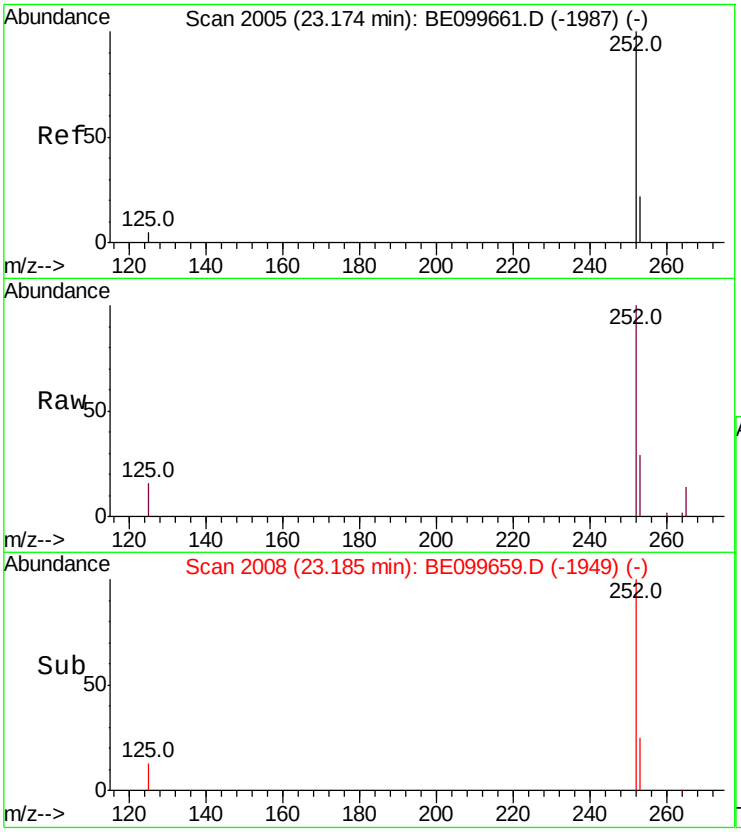


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.97 min Scan# 2228
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Tgt Ion:264 Resp: 20644

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.6	29.4
265	25.6	19.1	28.7



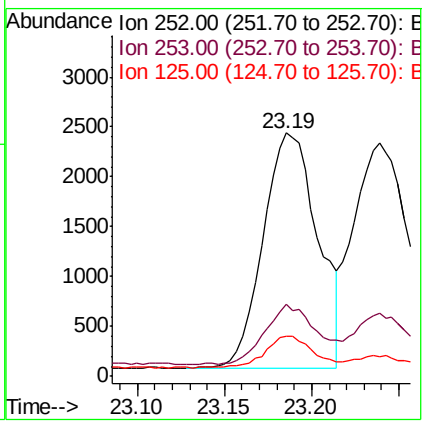


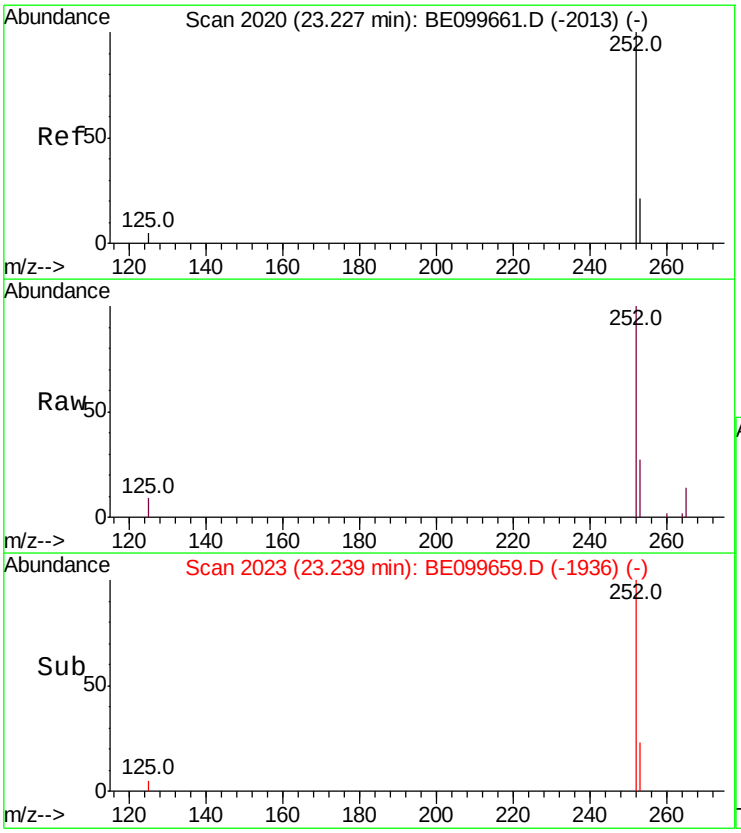
#35
Benzo(b)fluoranthene
Concen: 0.089 ng
RT: 23.19 min Scan# 2008
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 5135

Ion	Ratio	Lower	Upper
252	100		
253	29.5	18.2	27.4#
125	16.3	4.5	6.7#

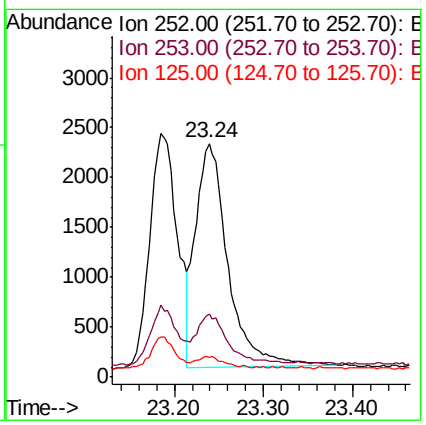


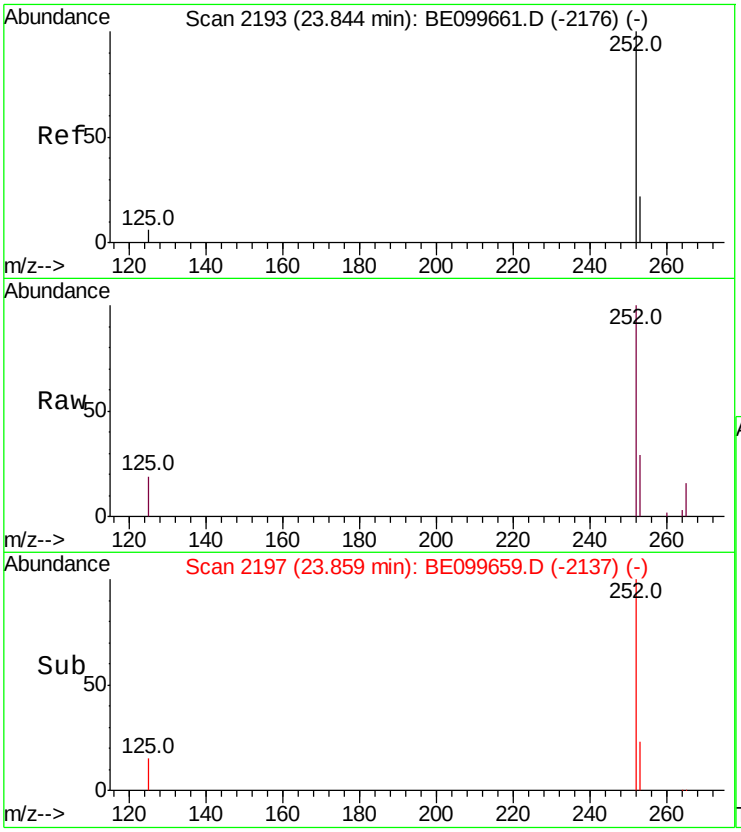


#36
Benzo(k)fluoranthene
Concen: 0.099 ng
RT: 23.24 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Tgt Ion:252 Resp: 5658

Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.8	26.8#
125	8.6	4.6	6.8#



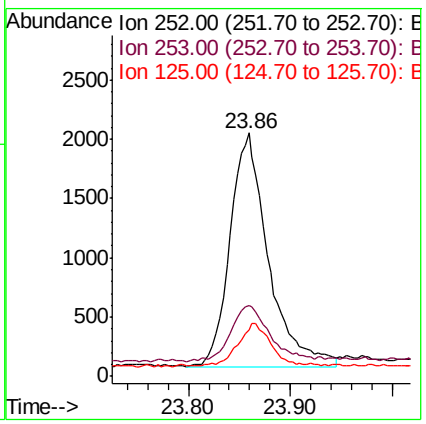


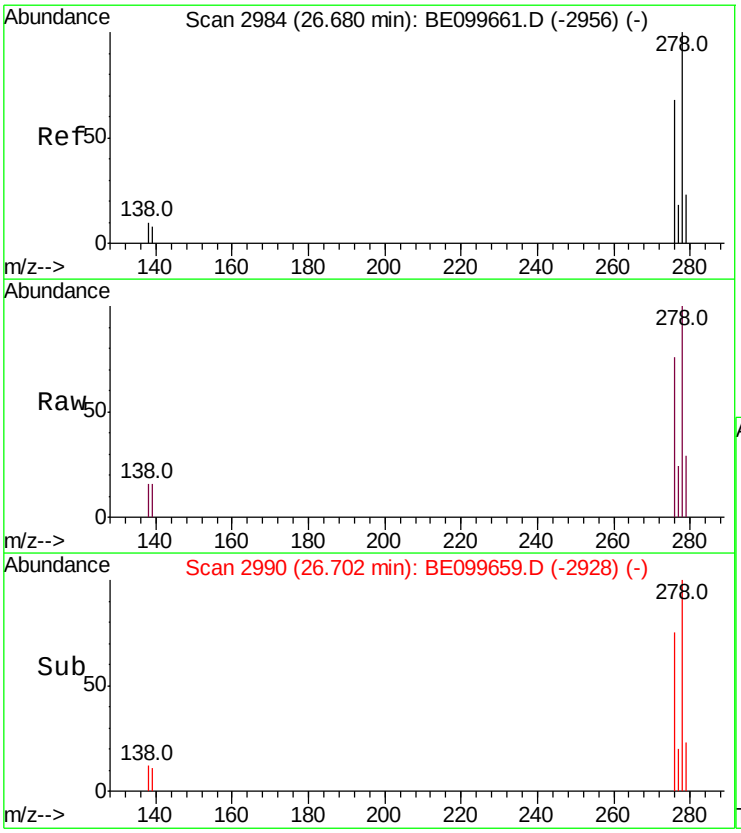
#37
Benzo(a)pyrene
Concen: 0.092 ng
RT: 23.86 min Scan# 2197
Delta R.T. 0.02 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 5126

Ion	Ratio	Lower	Upper
252	100		
253	28.9	18.9	28.3#
125	19.1	5.4	8.0#

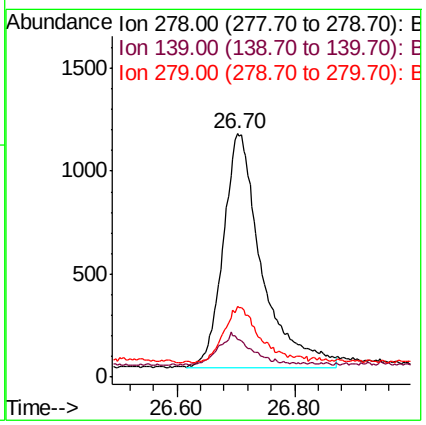


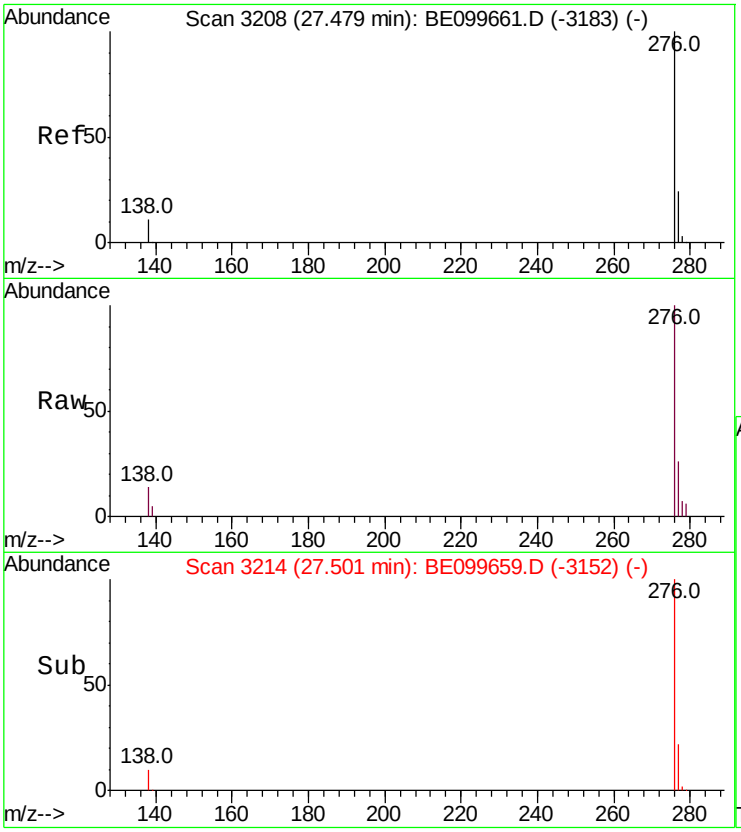


#38
Dibenzo(a,h)anthracene
Concen: 0.088 ng
RT: 26.70 min Scan# 2990
Delta R.T. 0.02 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Tgt Ion:278 Resp: 5123

Ion	Ratio	Lower	Upper
278	100		
139	15.7	6.9	10.3#
279	29.1	19.2	28.8#





#39
Benzo(g,h,i)perylene
Concen: 0.091 ng
RT: 27.50 min Scan# 3214
Delta R.T. 0.02 min
Lab File: BE099659.D
Acq: 20 May 2019 11:15

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 5305

Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.8	29.6
138	14.4	9.2	13.8#