Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050719\
Data File : BE099558.D
Acq On : 7 May 2019 9:38
Operator : JU/SJ
Sample : SSTDICC0.1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC0.1

Quant Time: May 07 13:49:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 13:34:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1704	0.40	ng		0.00
7) Naphthalene-d8	10.63	136	6018	0.40	ng		0.00
13) Acenaphthene-d10	14.50	164	4346	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	12553	0.40	ng		0.00
27) Chrysene-d12	21.43	240	19026	0.40	ng		0.00
34) Perylene-d12	23.98	264	20678	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	443	0.09	ng		0.00
5) Phenol-d6	6.99	99	563	0.09	ng		0.01
8) Nitrobenzene-d5	8.99	82	485	0.09	ng		0.01
11) 2-Methylnaphthalene-d10	12.24	152	1023	0.09	ng		0.01
14) 2,4,6-Tribromophenol	15.98	330	255	0.09	ng		0.00
15) 2-Fluorobiphenyl	13.12	172	1600	0.10	ng		0.00
25) Fluoranthene-d10	19.28	212	16526	0.10	ng		0.00
29) Terphenyl-d14	19.87	244	3242	0.09	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	281	0.120	ng	#	93
6) bis(2-Chloroethyl)ether	7.24	93	520	0.096	ng		85
9) Naphthalene	10.68	128	6056	0.092	ng	#	97
10) Hexachlorobutadiene	10.95	225	448	0.098	ng		99
12) 2-Methylnaphthalene	12.31	142	991	0.087	ng	#	89
16) Acenaphthylene	14.21	152	1972	0.093	ng		99
17) Acenaphthene	14.56	154	1083	0.089	ng		96
18) Fluorene	15.54	166	1500	0.084	ng		93
20) 4-Bromophenyl-phenylether	16.44	248	656	0.090	ng	#	78
21) Hexachlorobenzene	16.55	284	667	0.096	ng		95
23) Phenanthrene	17.28	178	2875	0.089	ng		96
24) Anthracene	17.38	178	2647	0.086	ng		99
26) Fluoranthene	19.31	202	4607	0.095	ng		100
28) Pyrene	19.67	202	4837	0.098	ng		99
30) Benzo(a)anthracene	21.41	228	5661	0.093	ng		96
31) Chrysene	21.46	228	5566	0.094	ng		95
32) Bis(2-ethylhexyl)phthalate	21.33	149	10504	0.100	ng		99
33) Indeno(1,2,3-cd)pyrene	26.68	276	6549	0.093	ng		99
35) Benzo(b)fluoranthene	23.19	252	5419	0.091	ng	#	81
36) Benzo(k)fluoranthene	23.24	252	5246	0.091	ng	#	84
37) Benzo(a)pyrene	23.87	252	5293	0.094	ng	#	75
38) Dibenzo(a,h)anthracene	26.71	278	5317	0.092	ng	#	83
39) Benzo(g,h,i)perylene	27.52	276	5382	0.093	ng	#	89

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

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Acq On : 7 May 2019 9:38
Operator : JU/SJ
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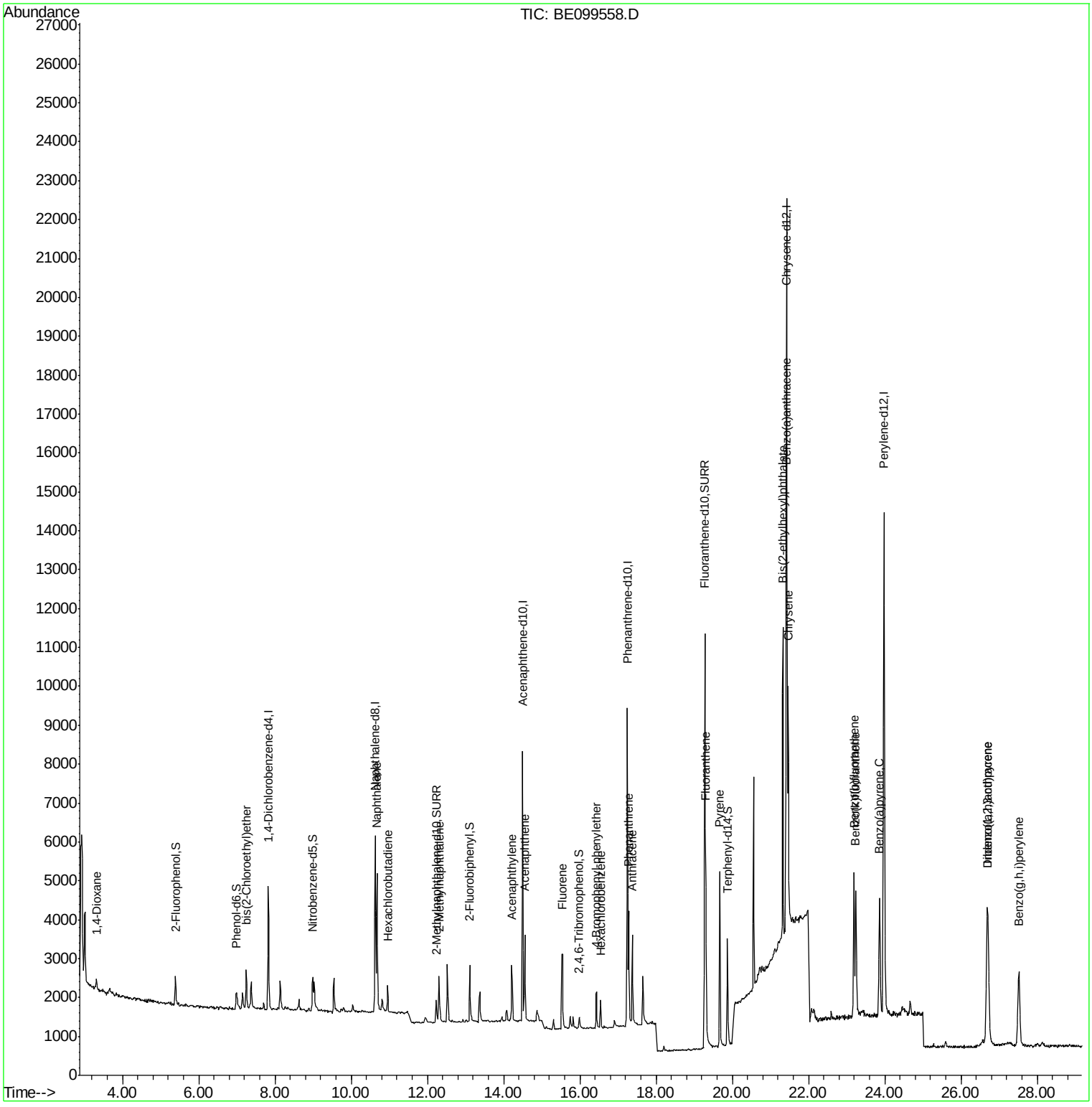
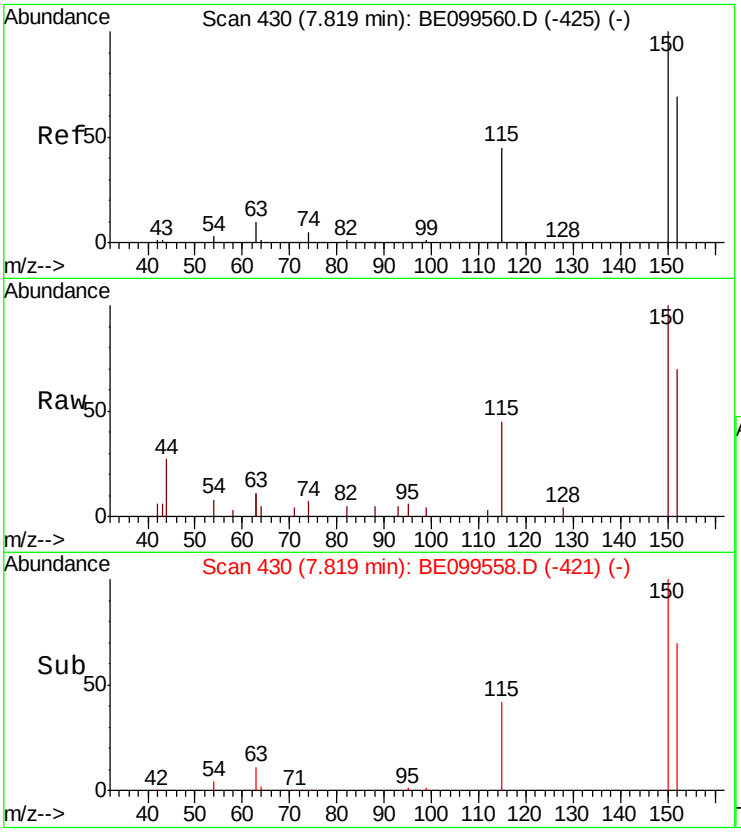
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Quant Time: May 07 13:49:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 13:34:41 2019
Response via : Initial Calibration



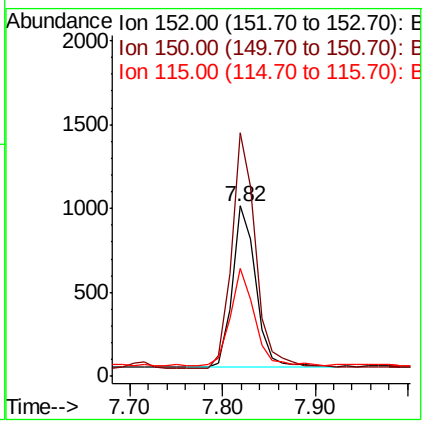


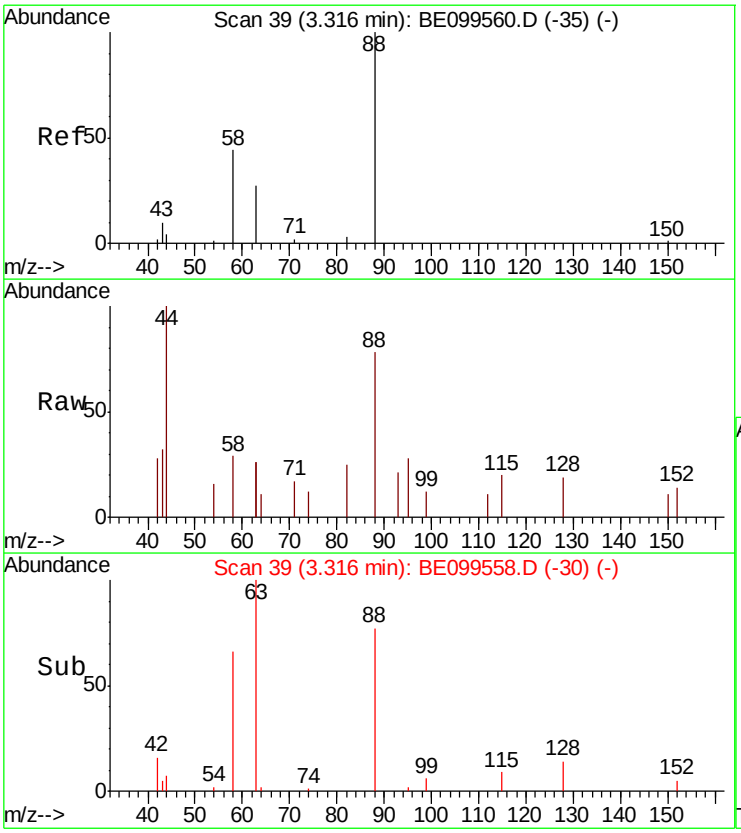
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 1704

Ion	Ratio	Lower	Upper
152	100		
150	143.2	113.8	170.6
115	63.8	54.2	81.2

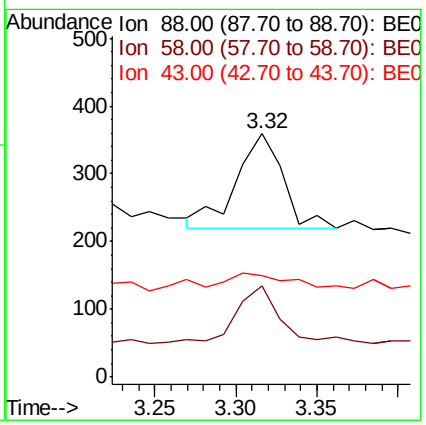


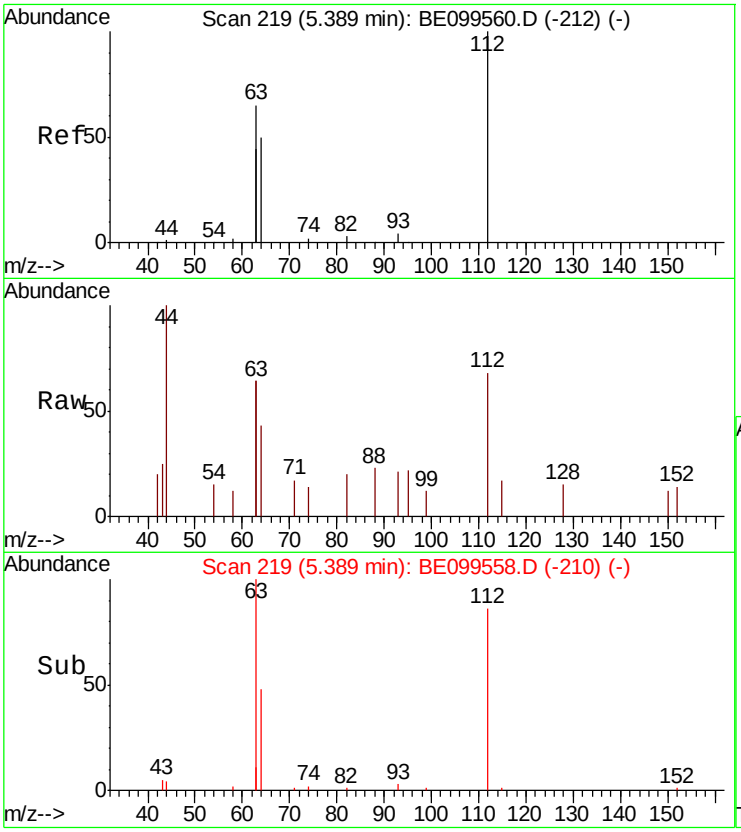


#2
1,4-Dioxane
Concen: 0.120 ng
RT: 3.32 min Scan# 39
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Tgt Ion: 88 Resp: 281

Ion	Ratio	Lower	Upper
88	100		
58	56.9	46.6	69.8
43	34.5	20.3	30.5#



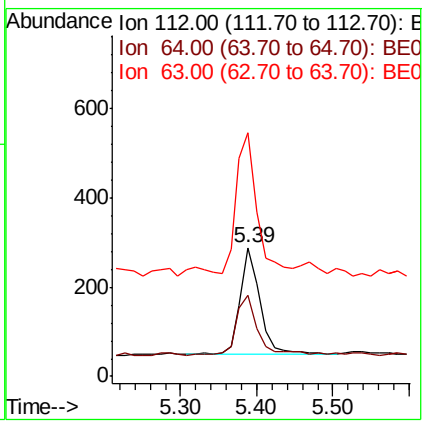


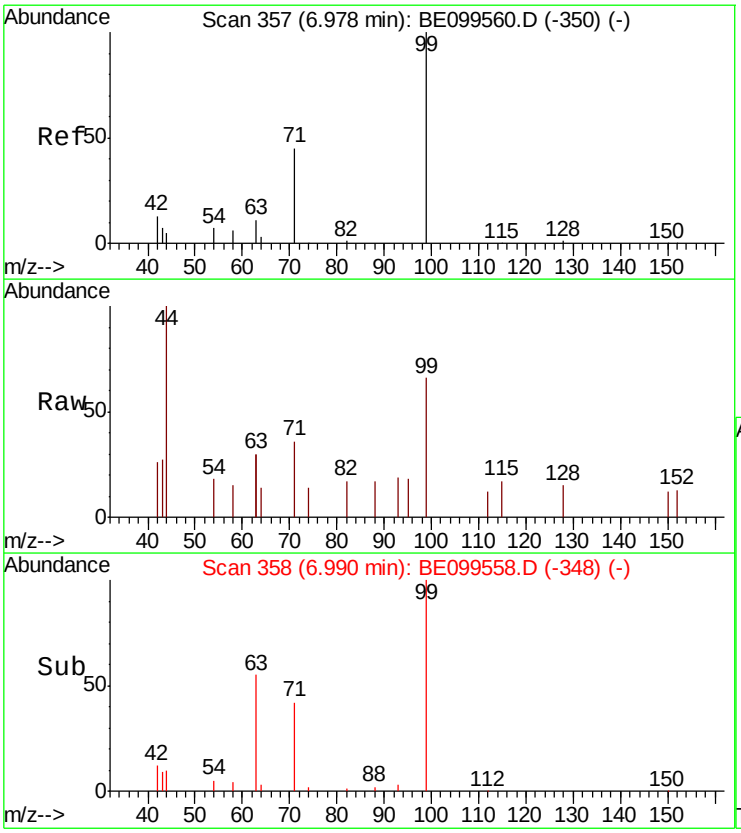
#4
2-Fluorophenol
Concen: 0.094 ng
RT: 5.39 min Scan# 219
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:112 Resp: 443

Ion	Ratio	Lower	Upper
112	100		
64	60.3	46.3	69.5
63	130.9	99.6	149.4

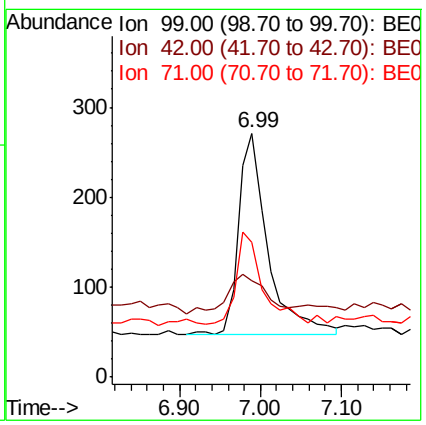


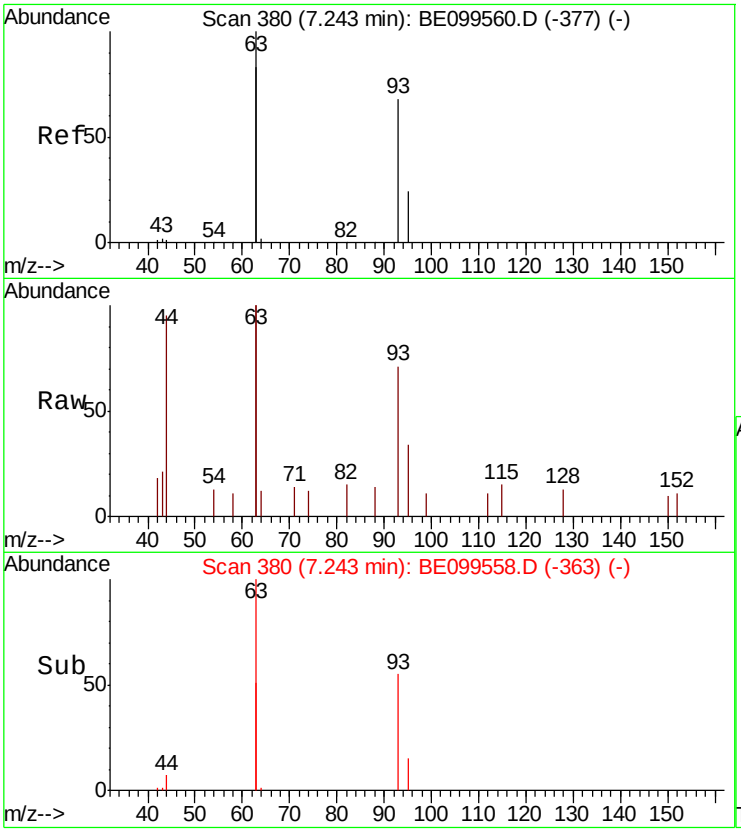


#5
Phenol-d6
Concen: 0.090 ng
RT: 6.99 min Scan# 358
Delta R.T. 0.01 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Tgt Ion: 99 Resp: 563

Ion	Ratio	Lower	Upper
99	100		
42	24.5	13.4	20.0#
71	41.2	34.2	51.2



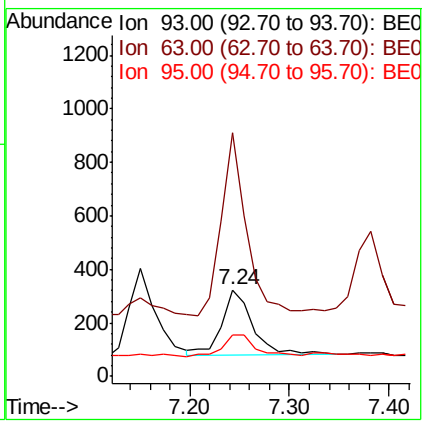


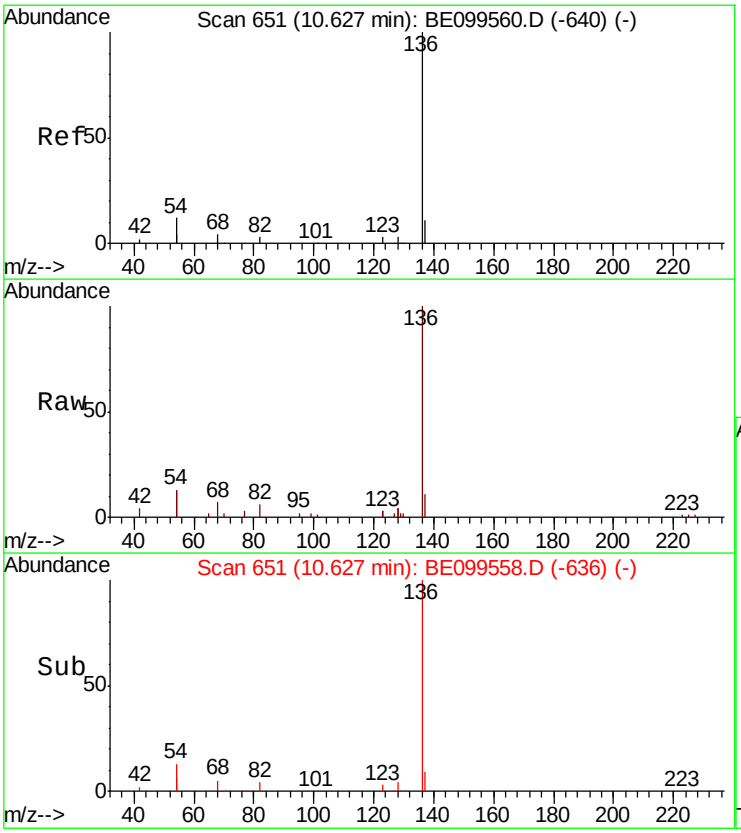
#6
bis(2-Chloroethyl)ether
Concen: 0.096 ng
RT: 7.24 min Scan# 380
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion: 93 Resp: 520

Ion	Ratio	Lower	Upper
93	100		
63	231.0	209.0	313.4
95	35.8	26.9	40.3

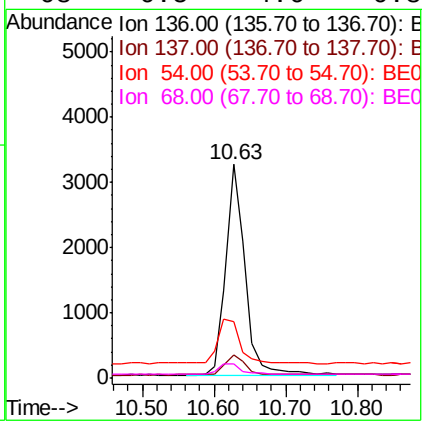


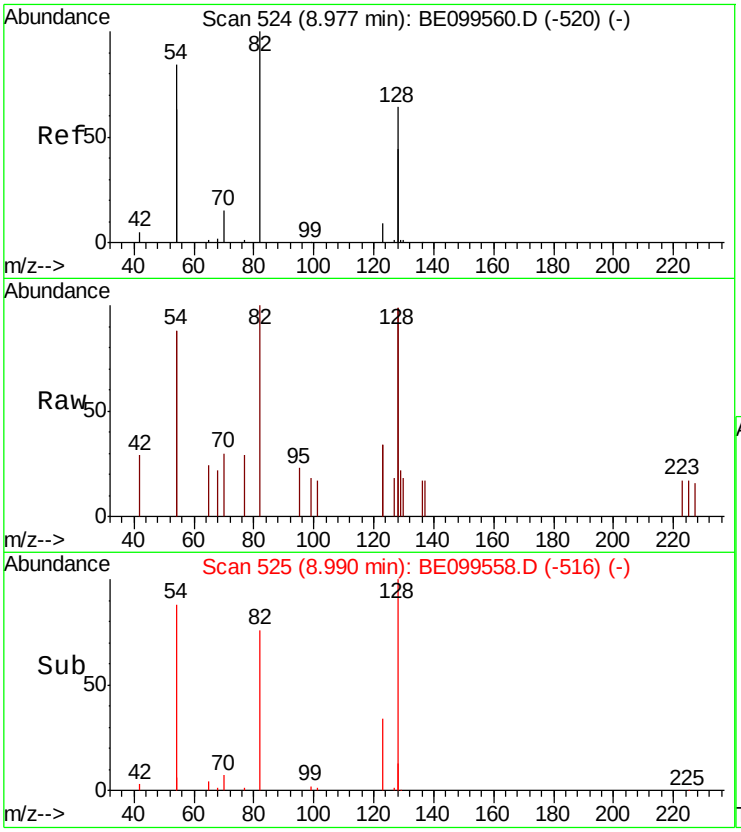


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Tgt Ion:136 Resp: 6018

Ion	Ratio	Lower	Upper
136	100		
137	10.6	10.0	15.0
54	26.4	18.6	28.0
68	6.5	4.6	6.8



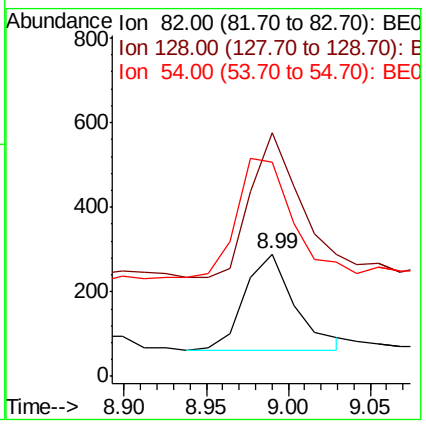


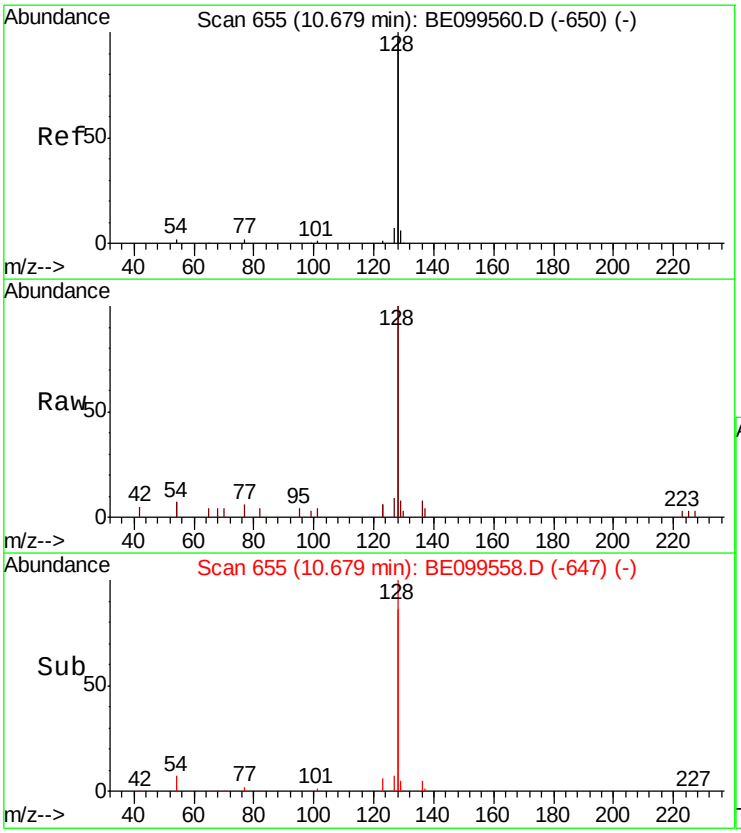
#8
Nitrobenzene-d5
Concen: 0.086 ng
RT: 8.99 min Scan# 525
Delta R.T. 0.01 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion: 82 Resp: 485

Ion	Ratio	Lower	Upper
82	100		
128	198.6	97.6	146.4#
54	175.2	127.4	191.2

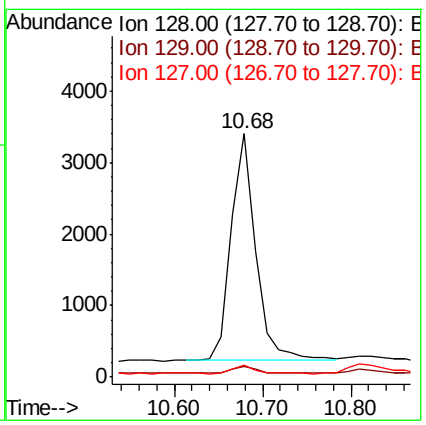


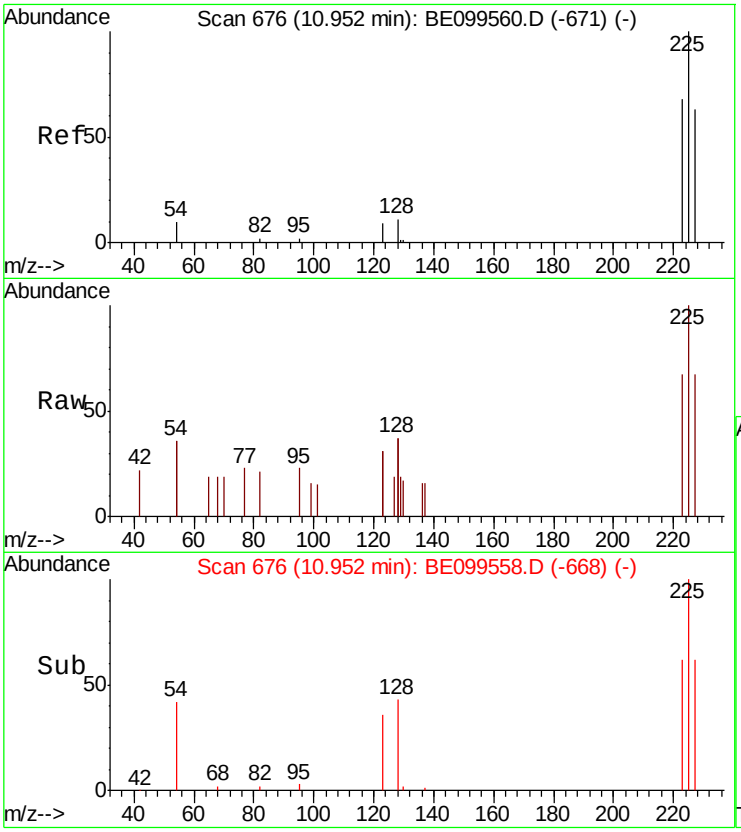


#9
Naphthalene
Concen: 0.092 ng
RT: 10.68 min Scan# 655
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Tgt Ion:128 Resp: 6056

Ion	Ratio	Lower	Upper
128	100		
129	4.2	2.6	3.8#
127	4.7	3.0	4.4#



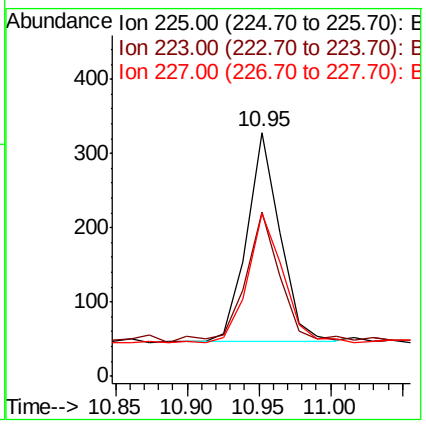


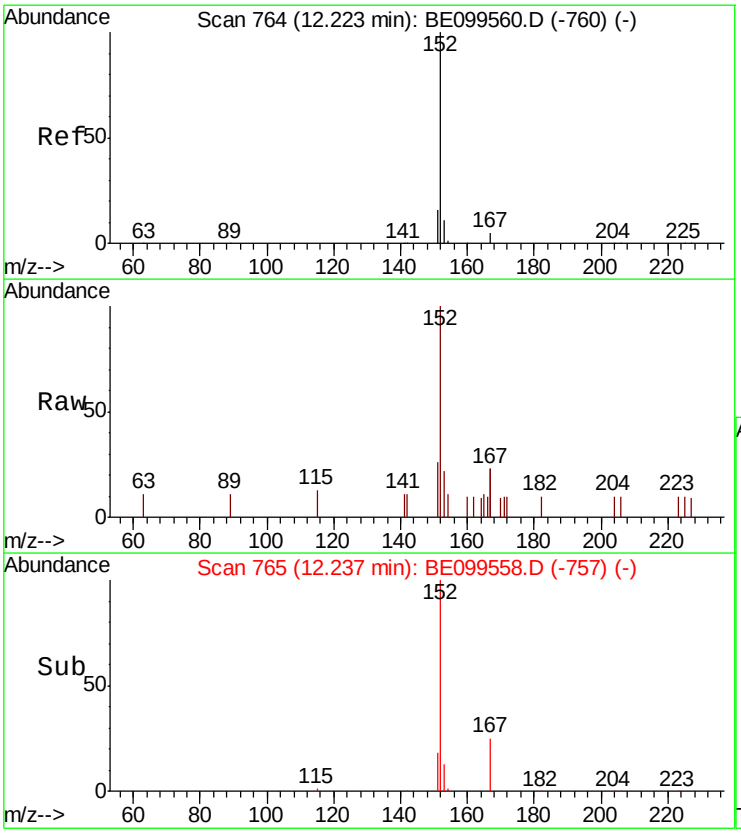
#10
Hexachlorobutadiene
Concen: 0.098 ng
RT: 10.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:225 Resp: 448

Ion	Ratio	Lower	Upper
225	100		
223	65.4	53.0	79.6
227	65.2	51.4	77.0

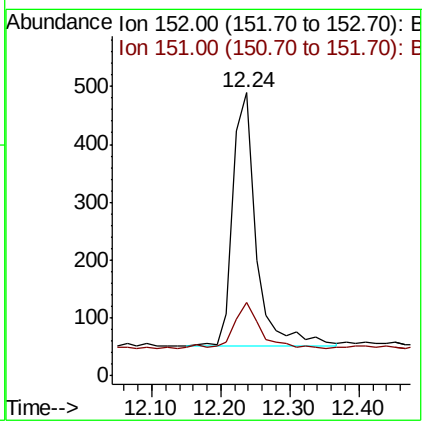


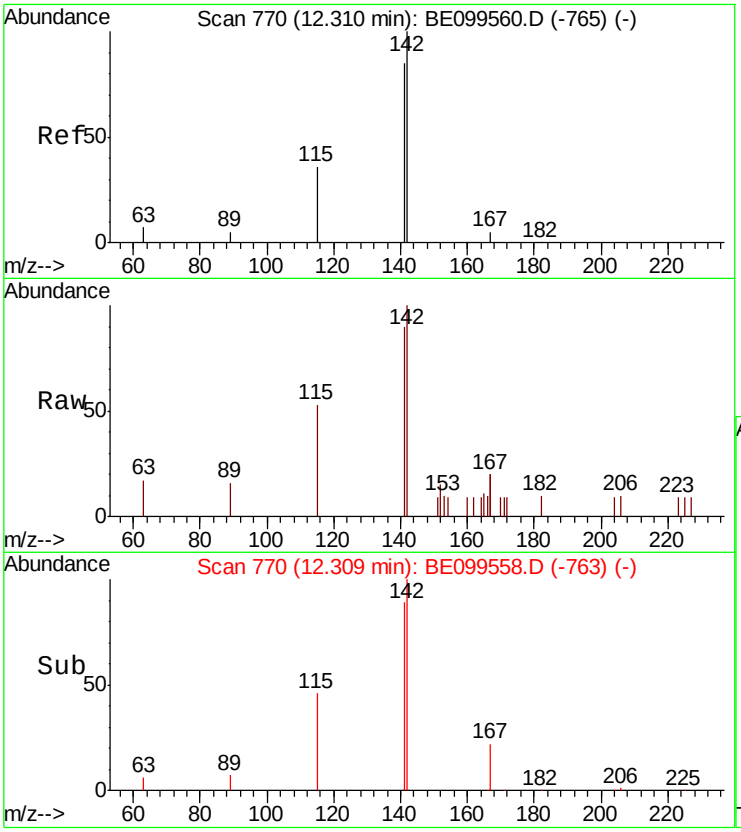


#11
2-Methylnaphthalene-d10
Concen: 0.094 ng
RT: 12.24 min Scan# 765
Delta R.T. 0.01 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Tgt Ion:152 Resp: 1023

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.8



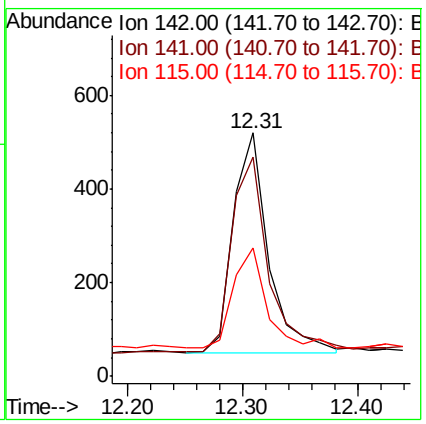


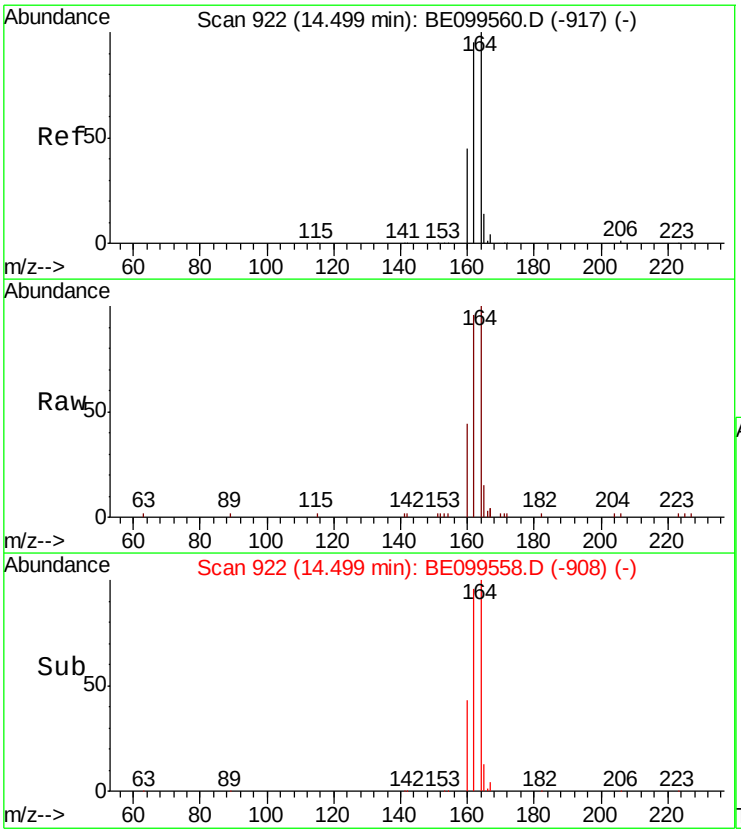
#12
2-Methylnaphthalene
Concen: 0.087 ng
RT: 12.31 min Scan# 770
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:142 Resp: 991

Ion	Ratio	Lower	Upper
142	100		
141	90.2	68.1	102.1
115	52.7	30.8	46.2#

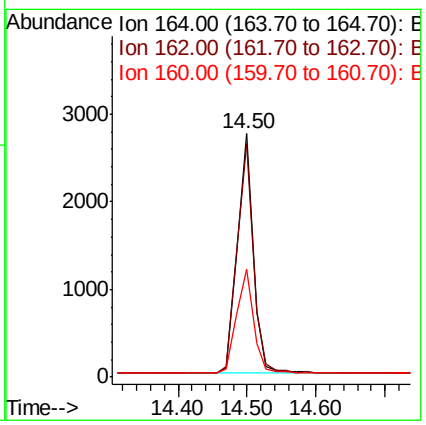


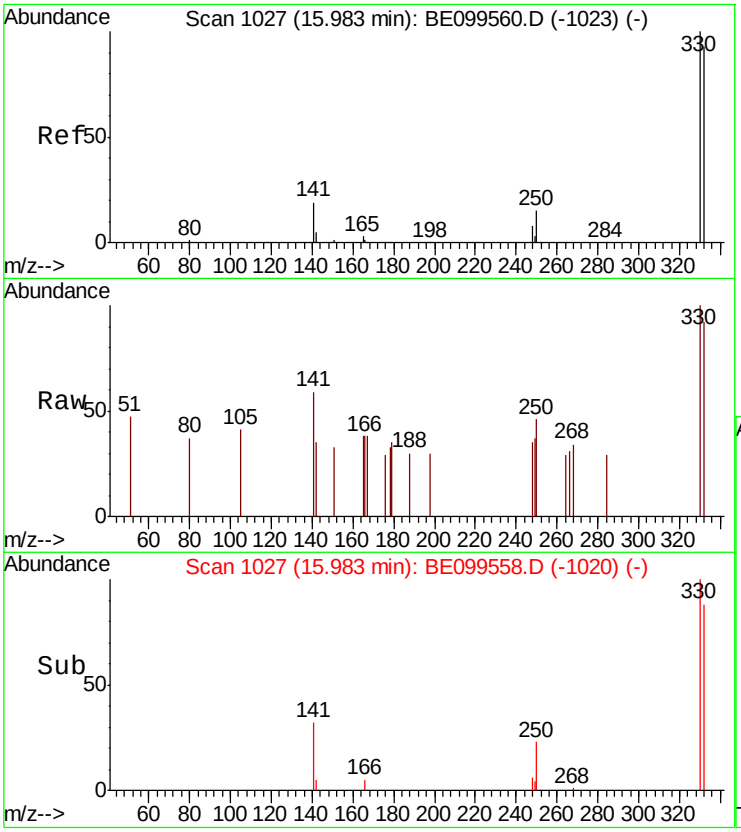


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Tgt Ion:164 Resp: 4346

Ion	Ratio	Lower	Upper
164	100		
162	95.8	76.4	114.6
160	44.4	36.6	55.0



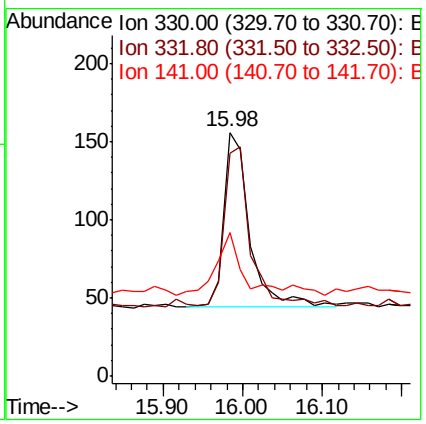


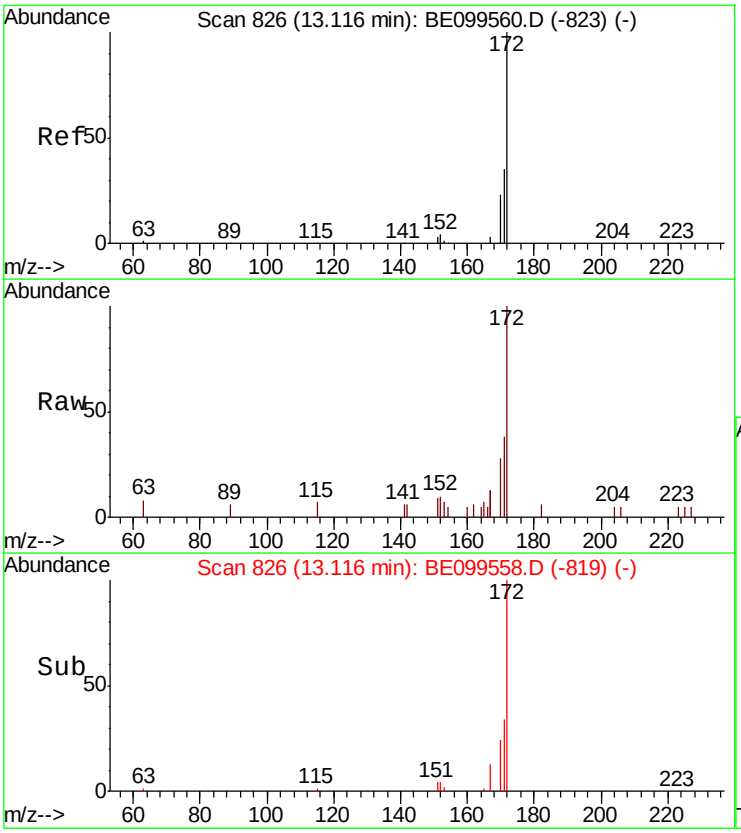
#14
2,4,6-Tribromophenol
Concen: 0.093 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:330 Resp: 255

Ion	Ratio	Lower	Upper
330	100		
332	92.5	77.7	116.5
141	34.5	26.1	39.1

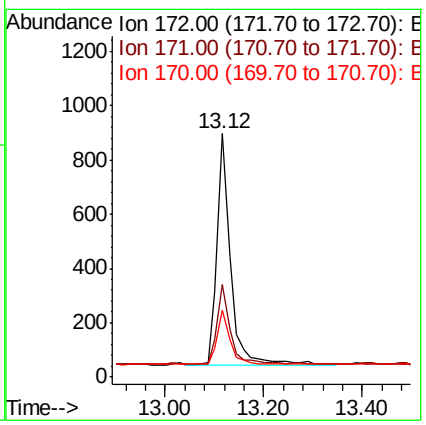


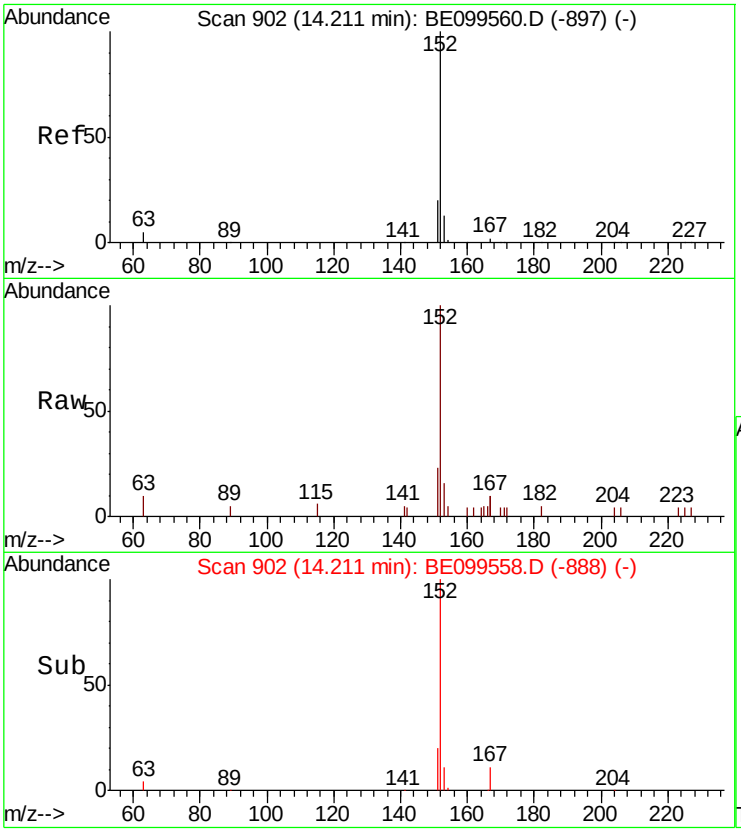


#15
2-Fluorobiphenyl
Concen: 0.096 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Tgt Ion:172 Resp: 1600

Ion	Ratio	Lower	Upper
172	100		
171	37.9	28.4	42.6
170	27.6	18.8	28.2



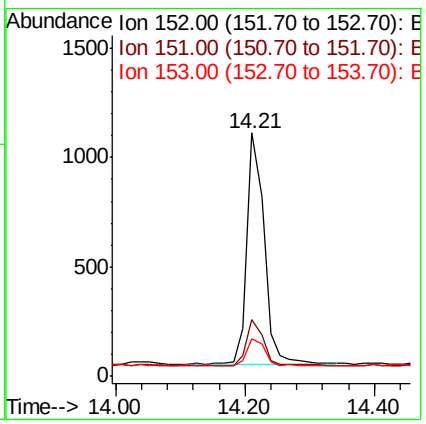


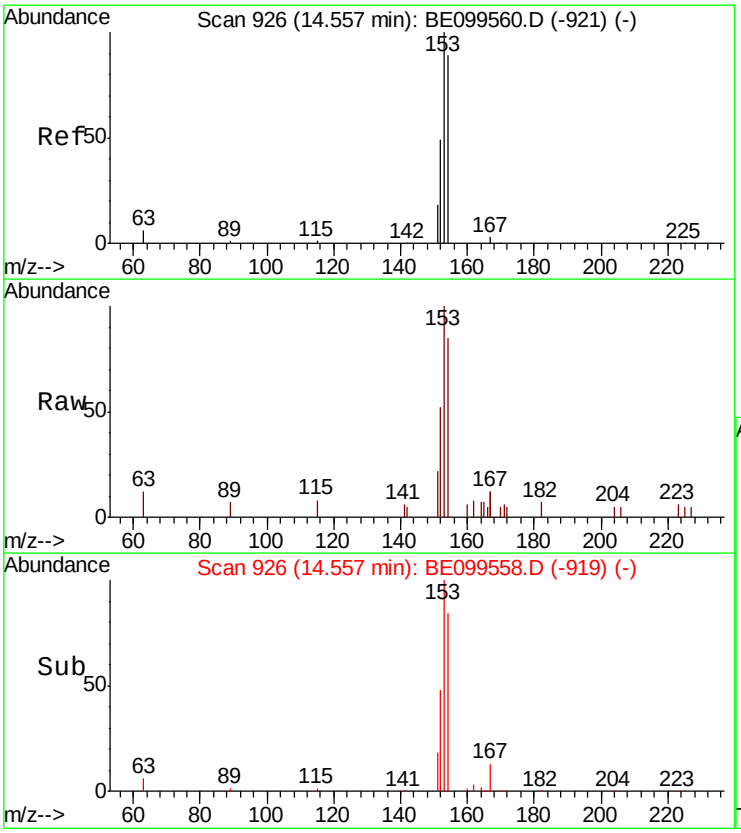
#16
Acenaphthylene
Concen: 0.093 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 1972

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	12.0	10.5	15.7

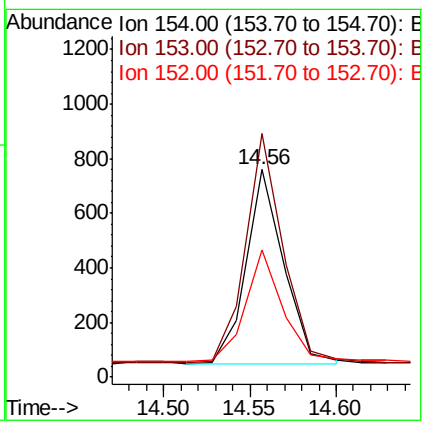


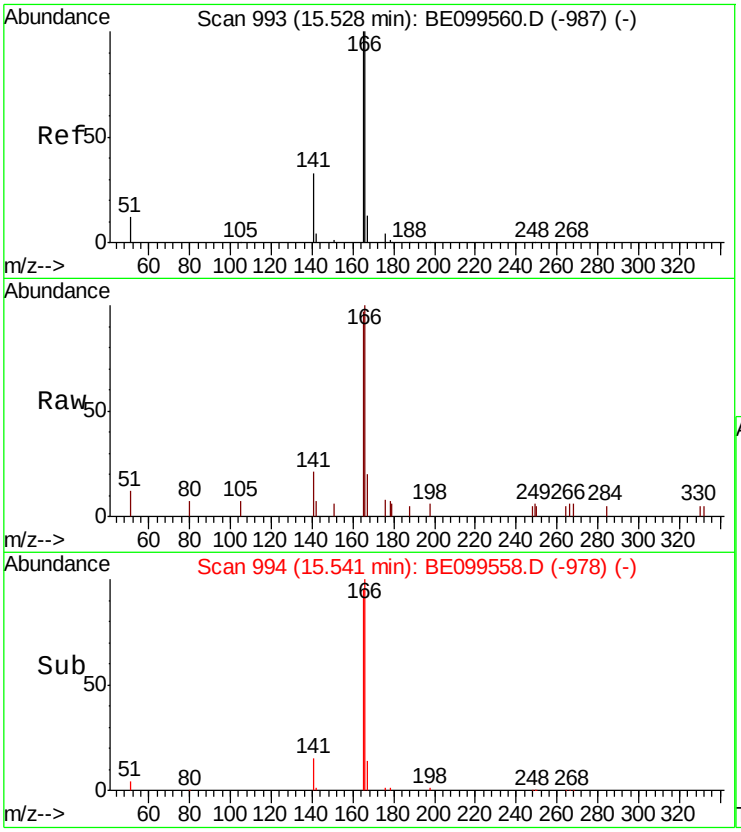


#17
Acenaphthene
Concen: 0.089 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Tgt Ion:154 Resp: 1083

Ion	Ratio	Lower	Upper
154	100		
153	117.5	89.7	134.5
152	56.8	43.9	65.9



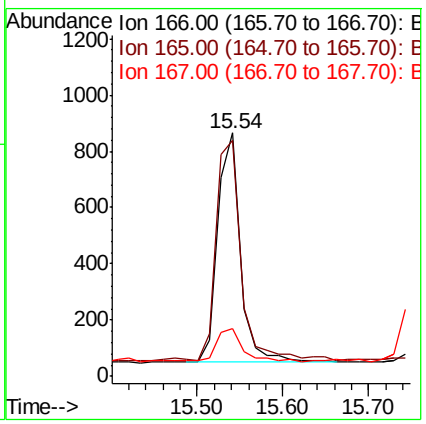


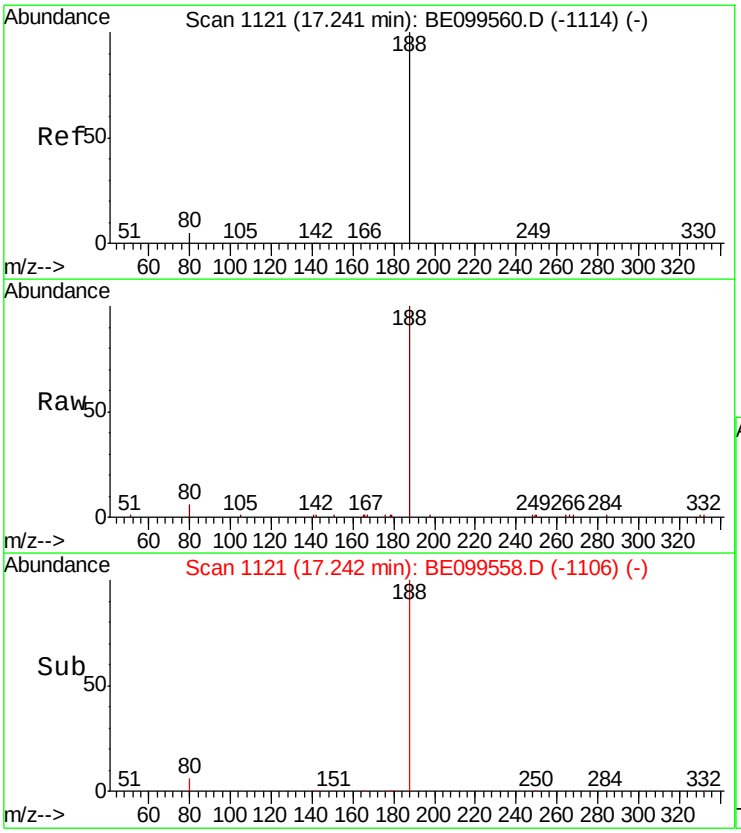
#18
Fluorene
Concen: 0.084 ng
RT: 15.54 min Scan# 994
Delta R.T. 0.01 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:166 Resp: 1500

Ion	Ratio	Lower	Upper
166	100		
165	106.0	79.0	118.6
167	16.7	11.5	17.3

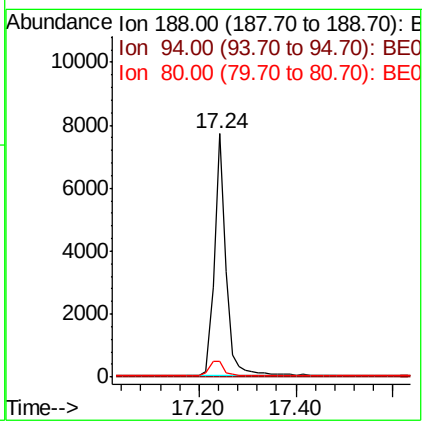


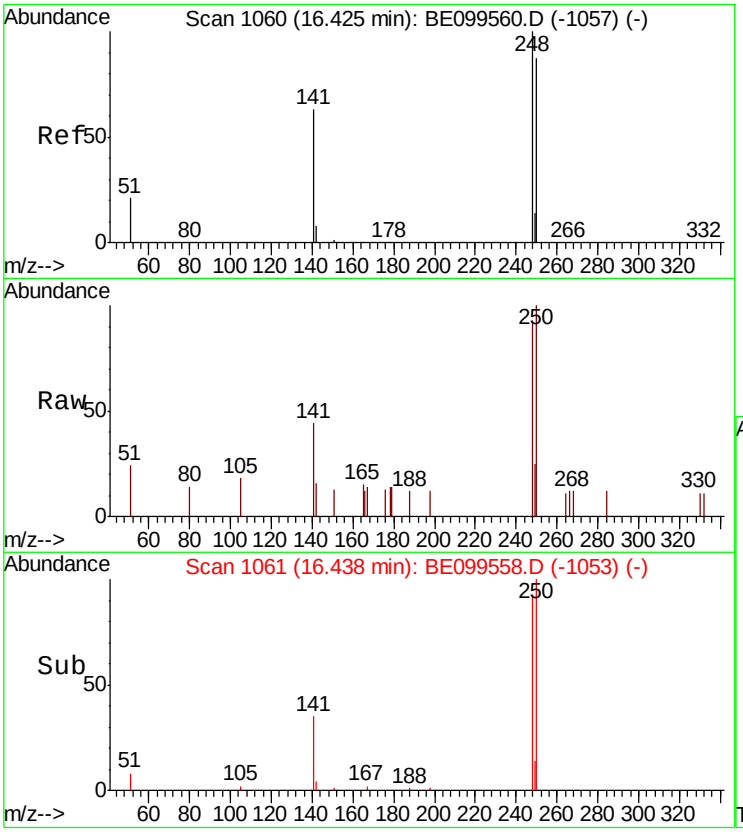


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Tgt Ion:188 Resp: 12553

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.5	4.6	7.0



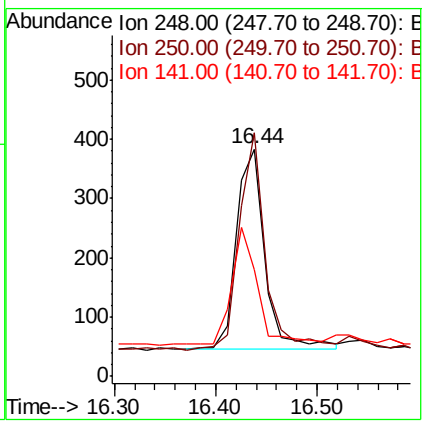


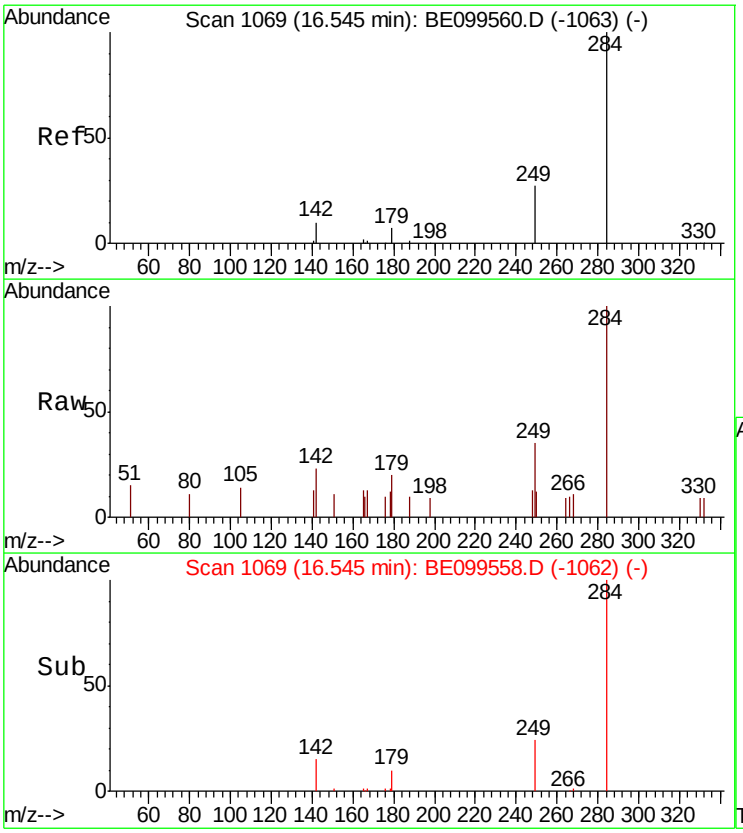
#20
4-Bromophenyl-phenylether
Concen: 0.090 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.01 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:248 Resp: 656

Ion	Ratio	Lower	Upper
248	100		
250	107.3	70.0	105.0#
141	47.0	51.8	77.8#

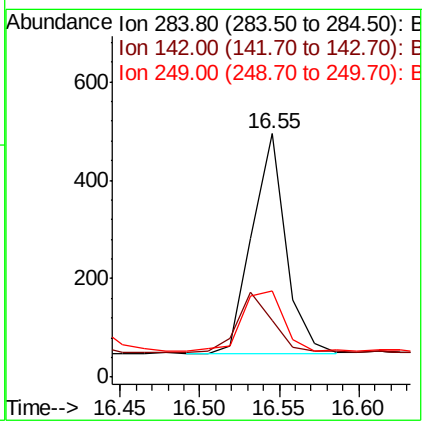


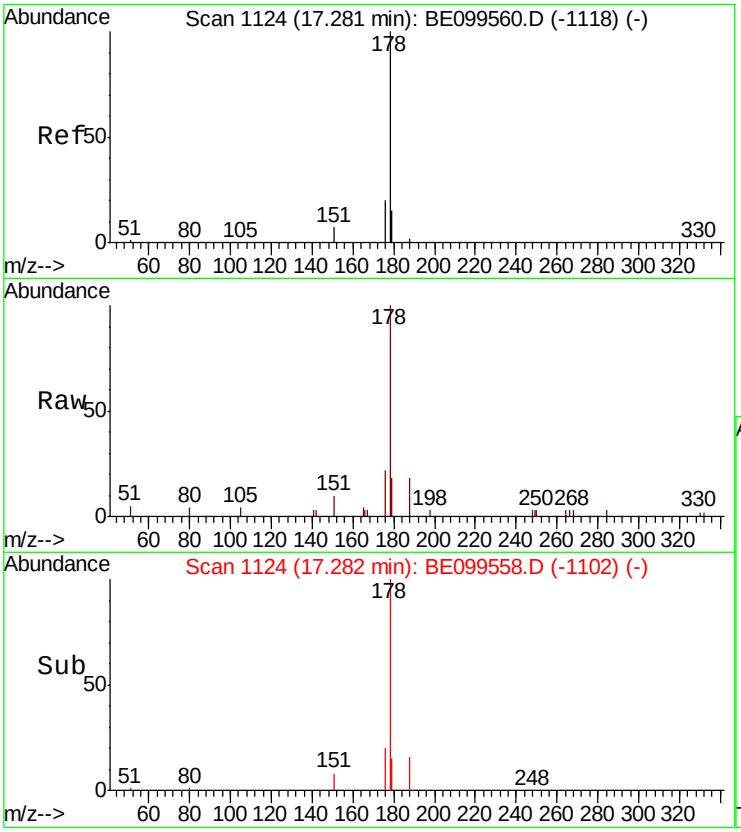


#21
Hexachlorobenzene
Concen: 0.096 ng
RT: 16.55 min Scan# 1069
Delta R.T. 0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Tgt Ion:284 Resp: 667

Ion	Ratio	Lower	Upper
284	100		
142	28.8	19.5	29.3
249	33.9	26.2	39.2



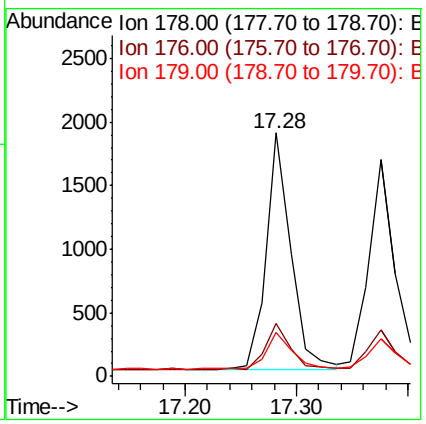


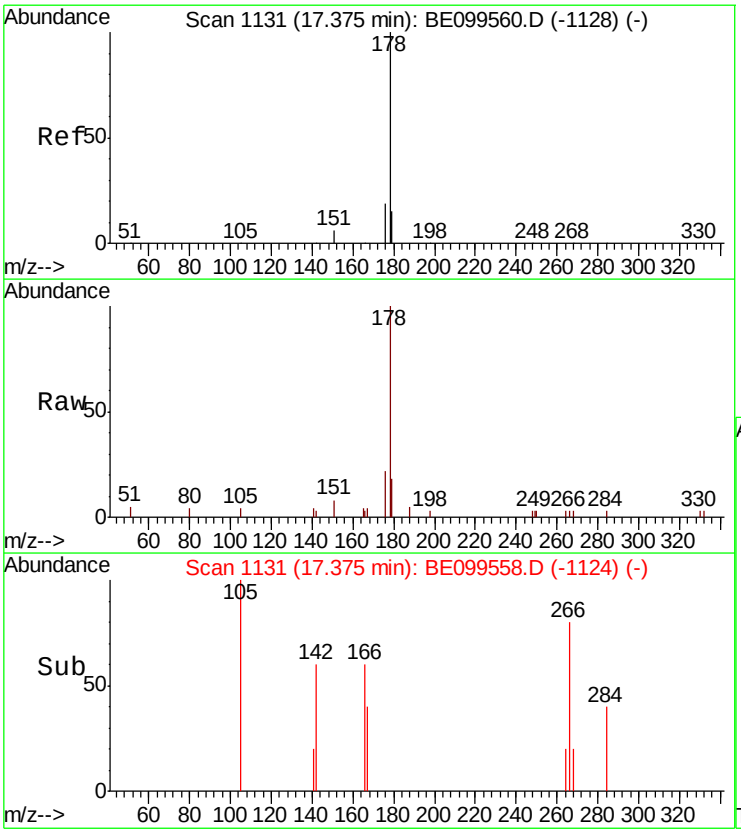
#23
Phenanthrene
Concen: 0.089 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 2875

Ion	Ratio	Lower	Upper
178	100		
176	21.1	15.8	23.6
179	17.9	12.5	18.7

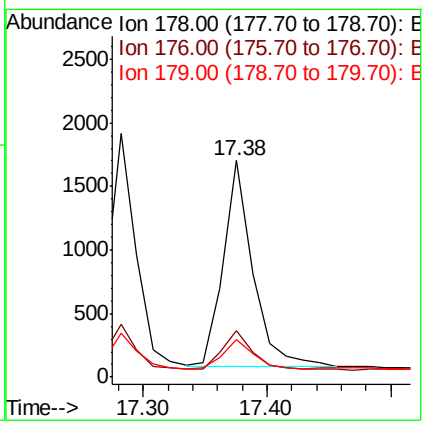


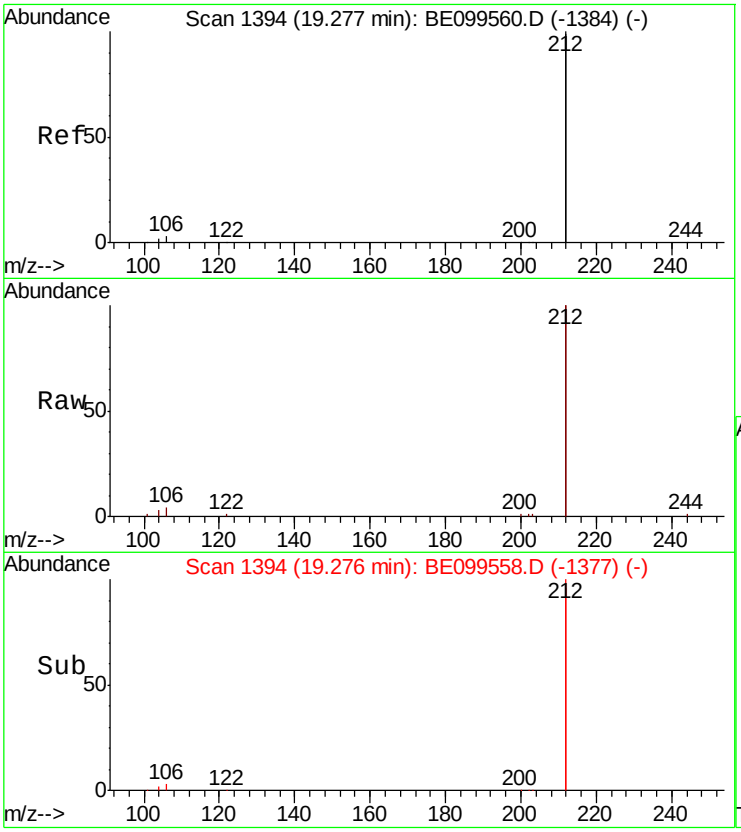


#24
Anthracene
Concen: 0.086 ng
RT: 17.38 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Tgt Ion:178 Resp: 2647

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	14.9	12.2	18.4



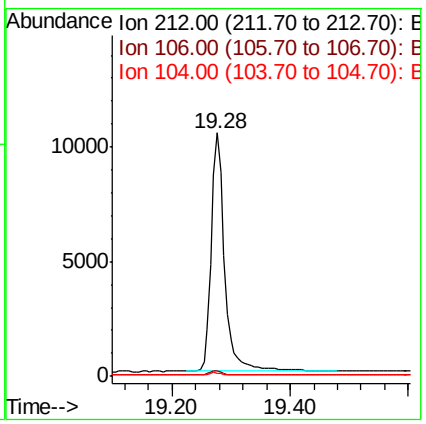


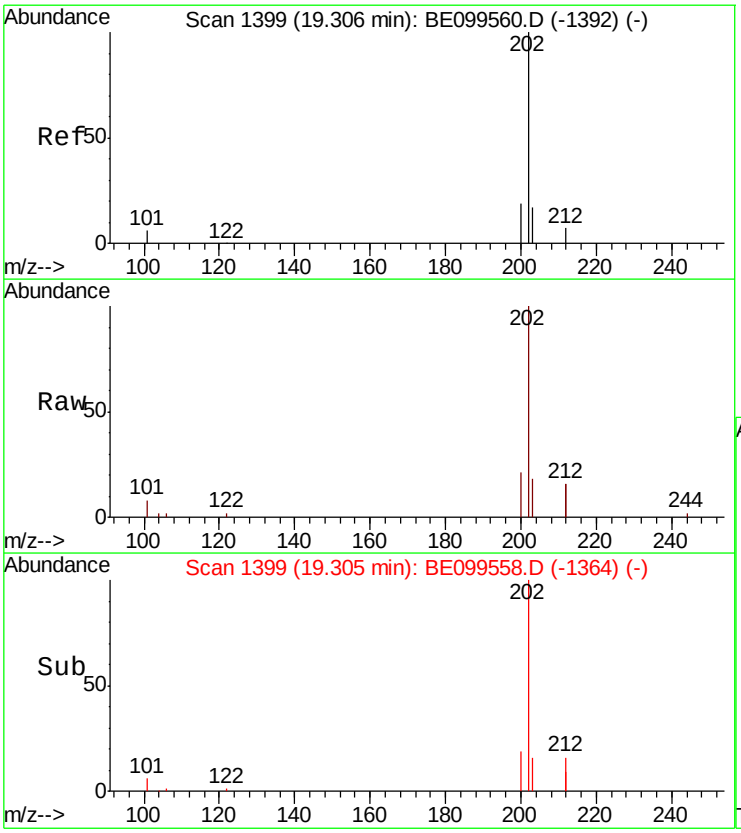
#25
Fluoranthene-d10
Concen: 0.098 ng
RT: 19.28 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:212 Resp: 16526

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.0
104	1.1	0.8	1.2

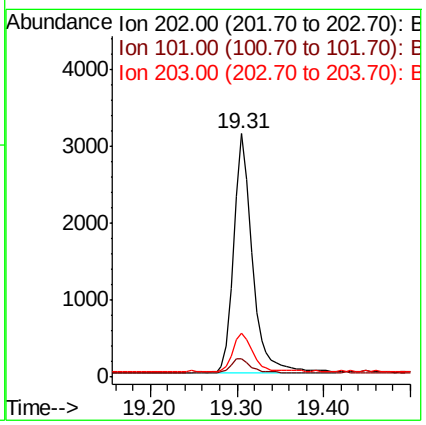


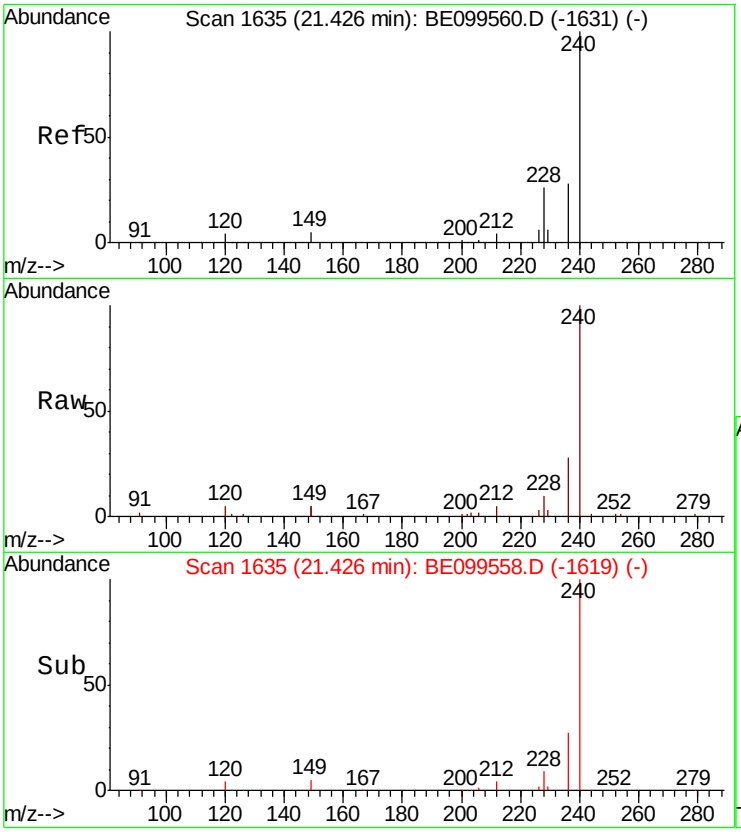


#26
Fluoranthene
Concen: 0.095 ng
RT: 19.31 min Scan# 1399
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Tgt Ion:202 Resp: 4607

Ion	Ratio	Lower	Upper
202	100		
101	6.9	5.3	7.9
203	16.8	13.4	20.2



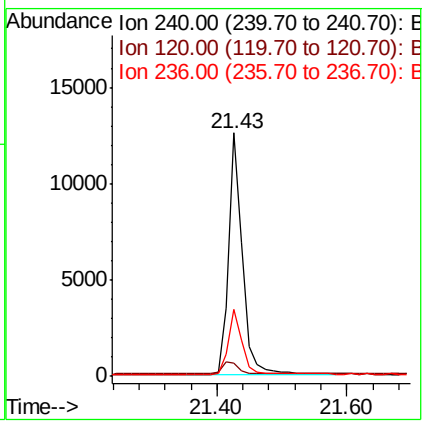


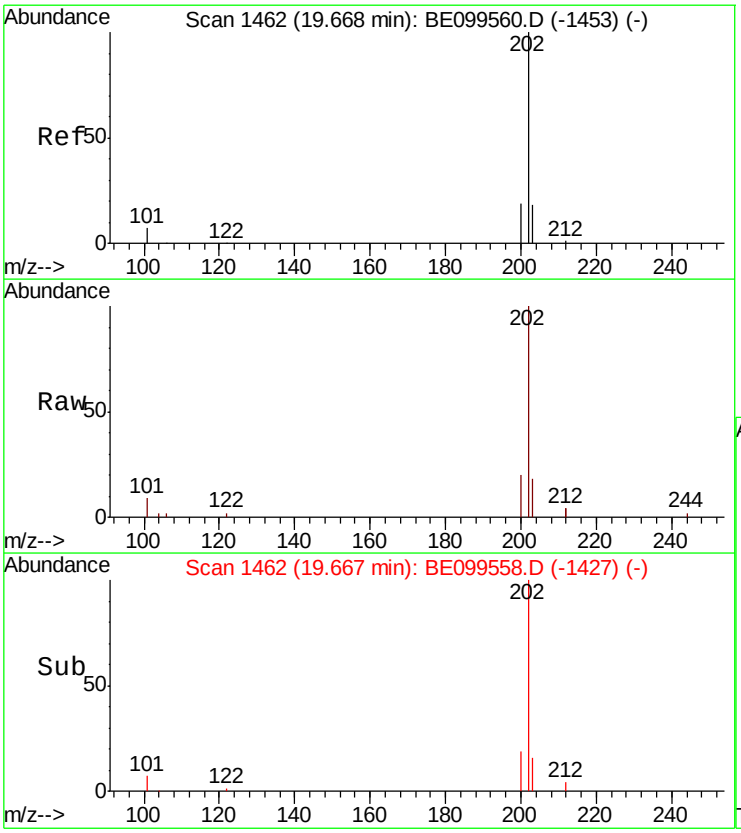
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1635
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:240 Resp: 19026

Ion	Ratio	Lower	Upper
240	100		
120	5.3	3.8	5.6
236	27.6	22.5	33.7

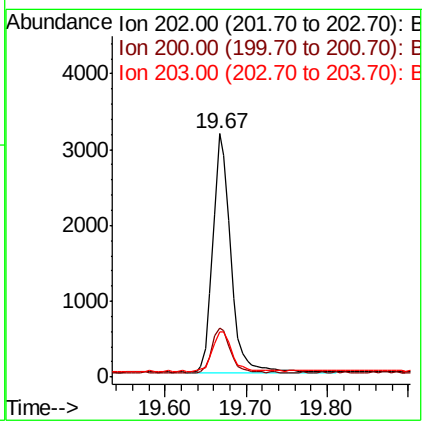


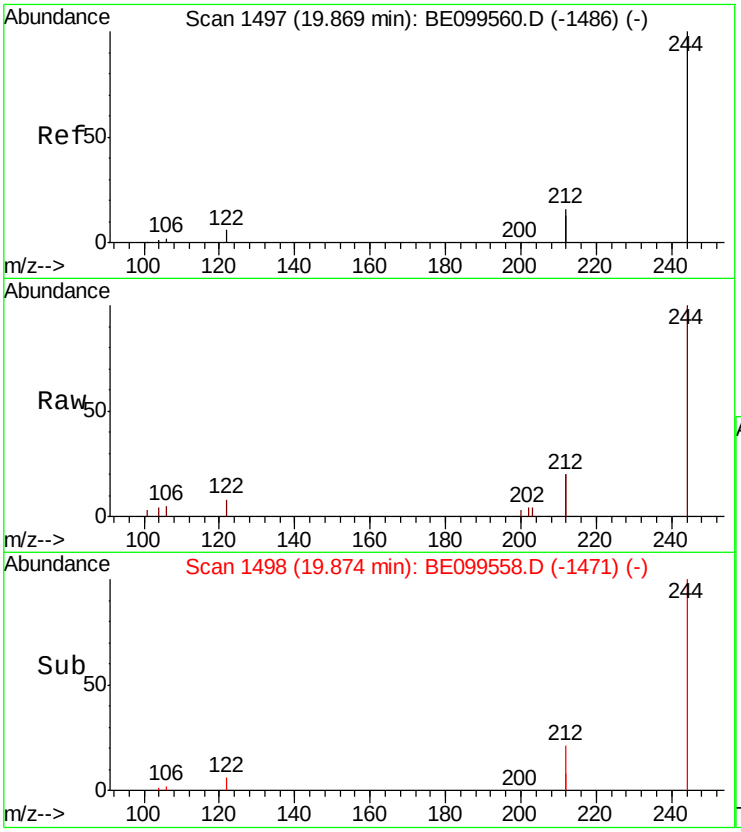


#28
Pyrene
Concen: 0.098 ng
RT: 19.67 min Scan# 1462
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Tgt Ion:202 Resp: 4837

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.8	23.6
203	18.2	14.1	21.1



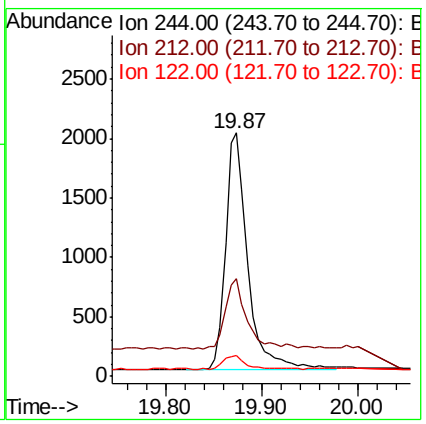


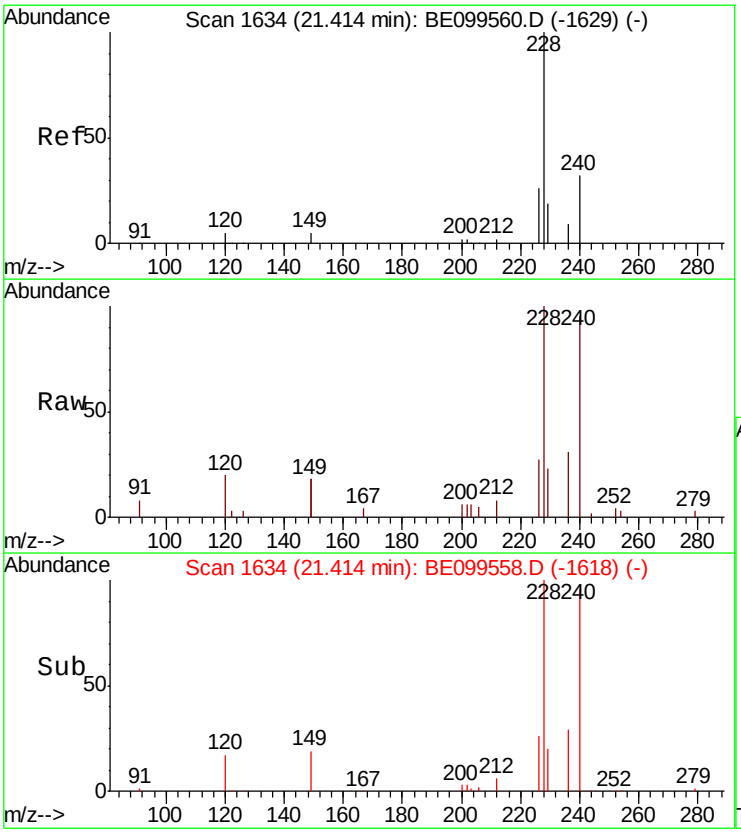
#29
Terphenyl-d14
Concen: 0.093 ng
RT: 19.87 min Scan# 1498
Delta R.T. 0.01 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:244 Resp: 3242

Ion	Ratio	Lower	Upper
244	100		
212	40.4	24.6	37.0#
122	8.4	5.0	7.6#

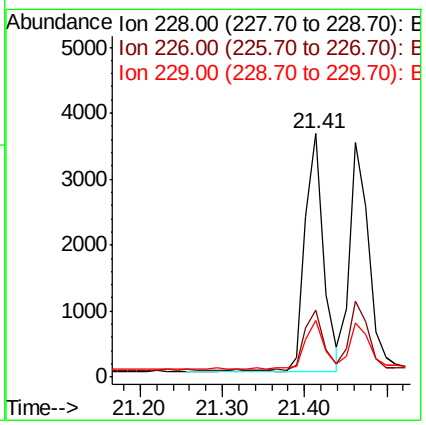


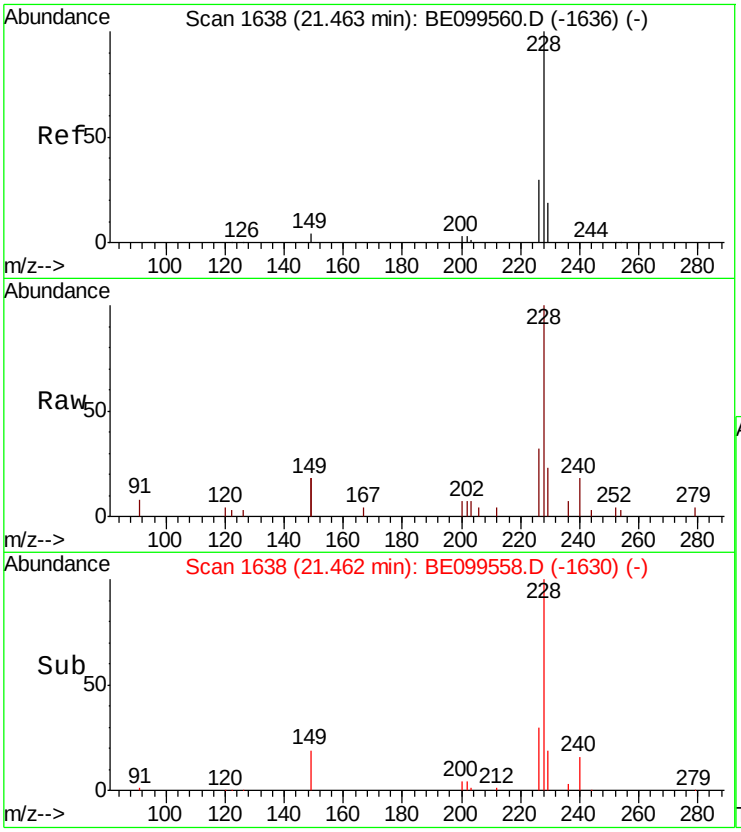


#30
Benzo(a)anthracene
Concen: 0.093 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Tgt Ion:228 Resp: 5661

Ion	Ratio	Lower	Upper
228	100		
226	27.5	20.9	31.3
229	23.2	16.1	24.1



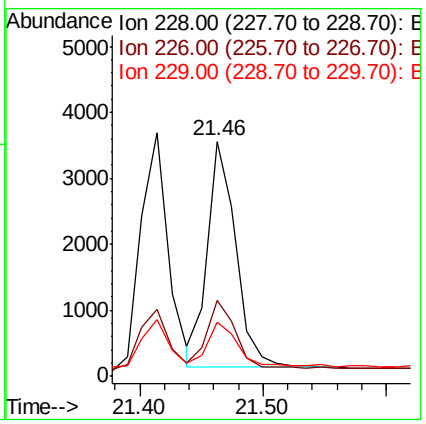


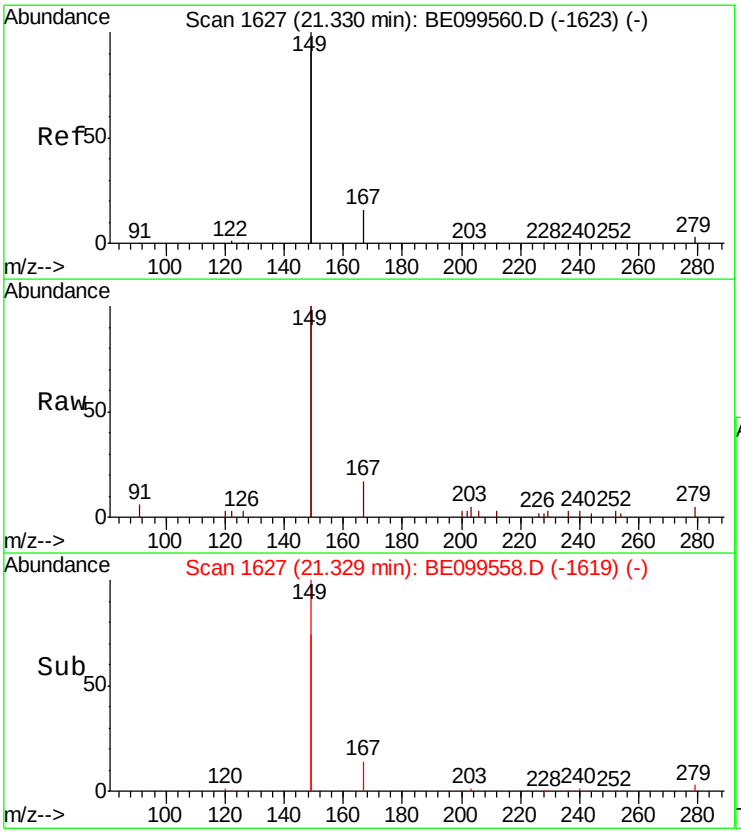
#31
Chrysene
Concen: 0.094 ng
RT: 21.46 min Scan# 1638
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 5566

Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.2	36.4
229	22.8	15.8	23.6

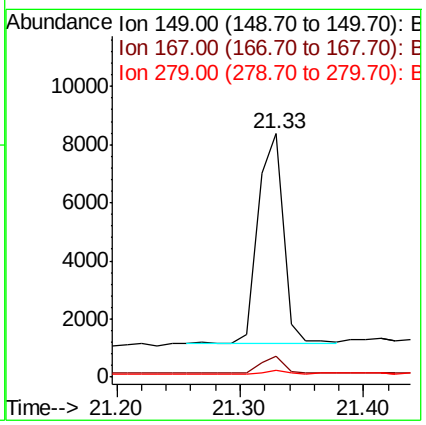


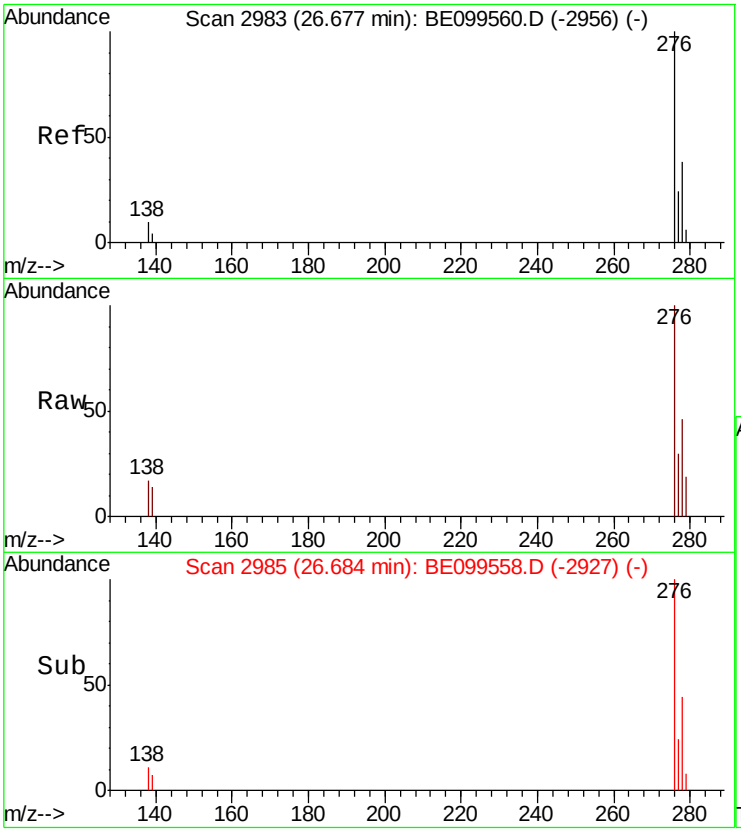


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.100 ng
RT: 21.33 min Scan# 1627
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Tgt Ion:149 Resp: 10504

Ion	Ratio	Lower	Upper
149	100		
167	8.1	6.1	9.1
279	1.5	1.3	1.9



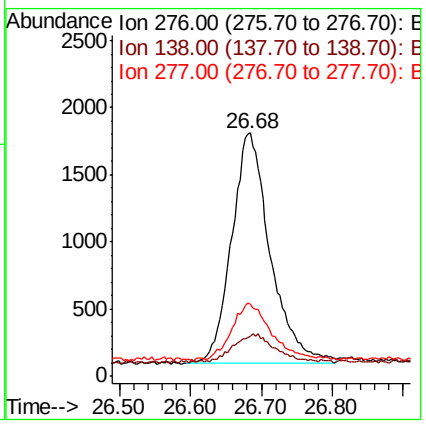


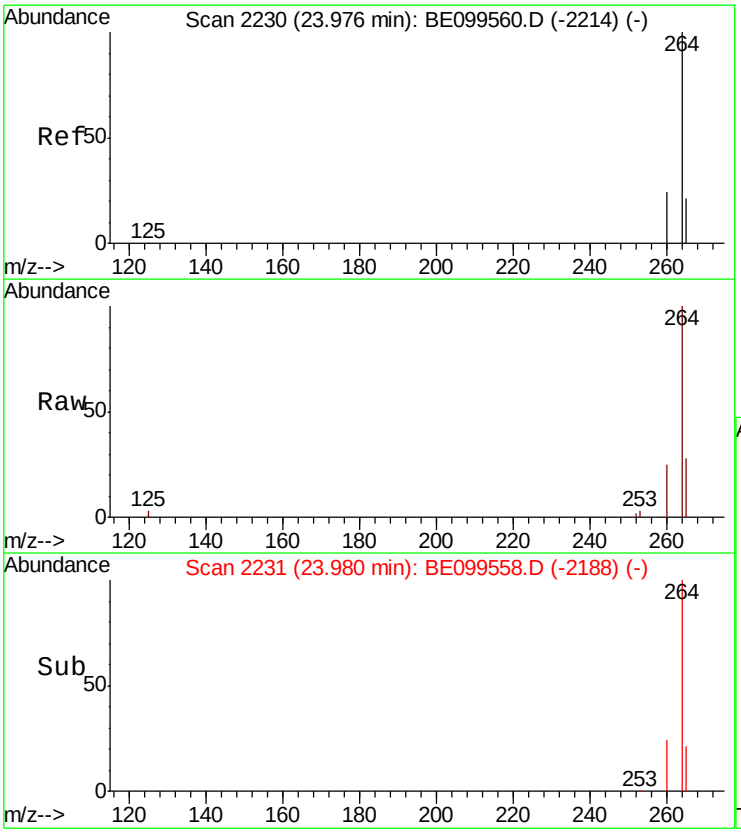
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.093 ng
RT: 26.68 min Scan# 2985
Delta R.T. 0.01 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 6549

Ion	Ratio	Lower	Upper
276	100		
138	12.7	9.5	14.3
277	24.1	19.7	29.5

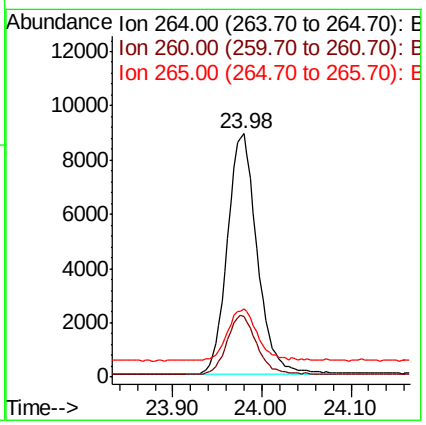


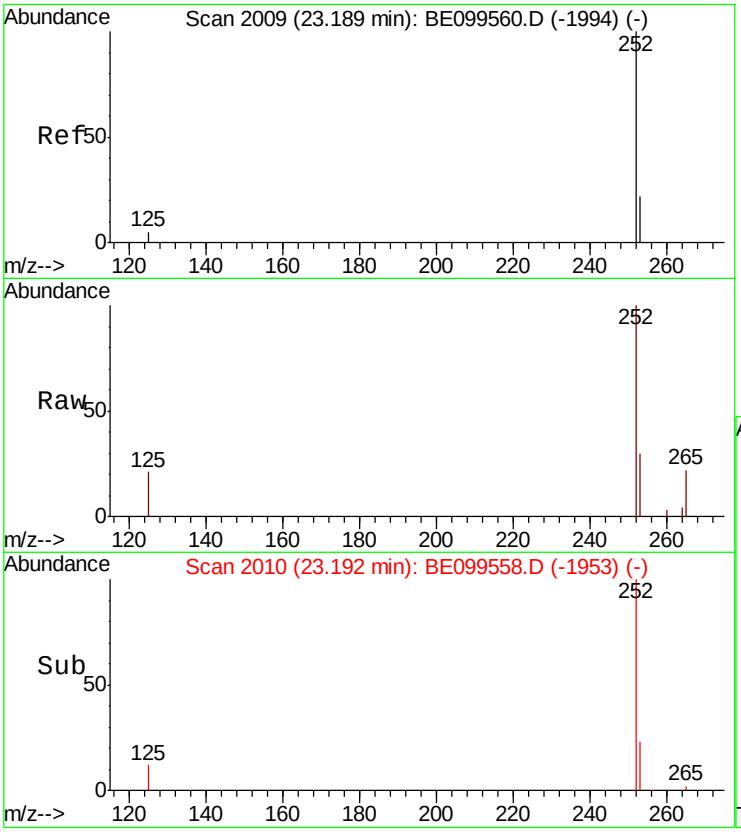


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.98 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Tgt Ion:264 Resp: 20678

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.9	29.9
265	27.9	22.2	33.2



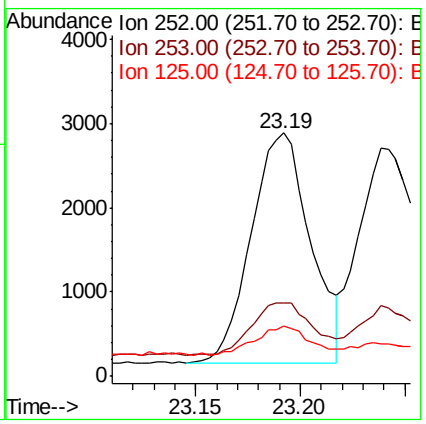


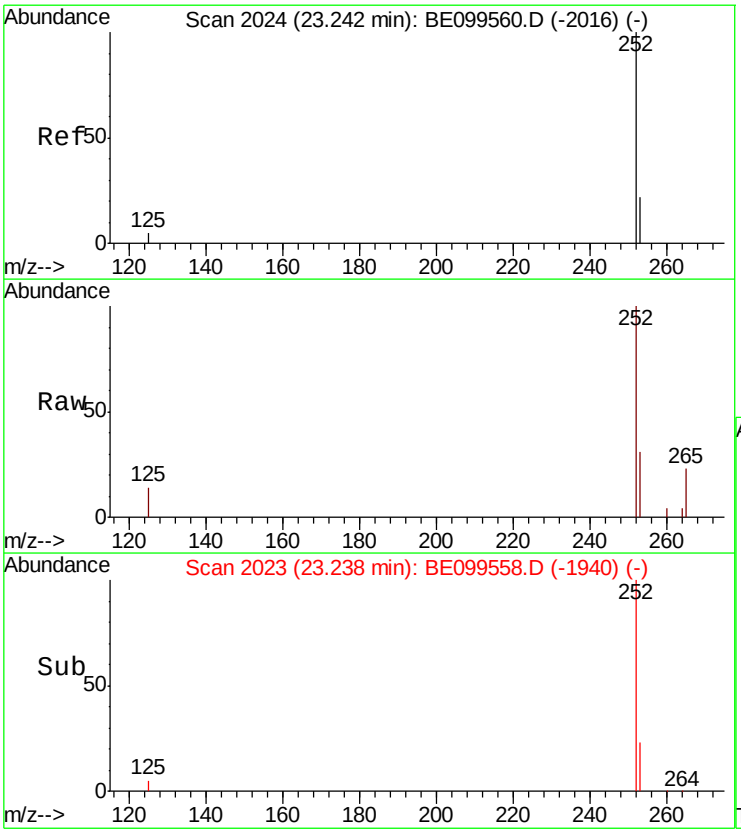
#35
Benzo(b)fluoranthene
Concen: 0.091 ng
RT: 23.19 min Scan# 2010
Delta R.T. 0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 5419

Ion	Ratio	Lower	Upper
252	100		
253	30.3	19.0	28.4#
125	20.6	5.8	8.6#

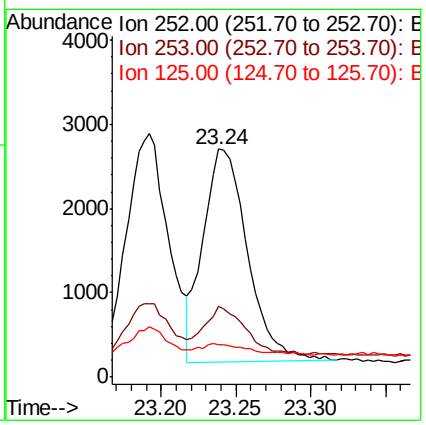


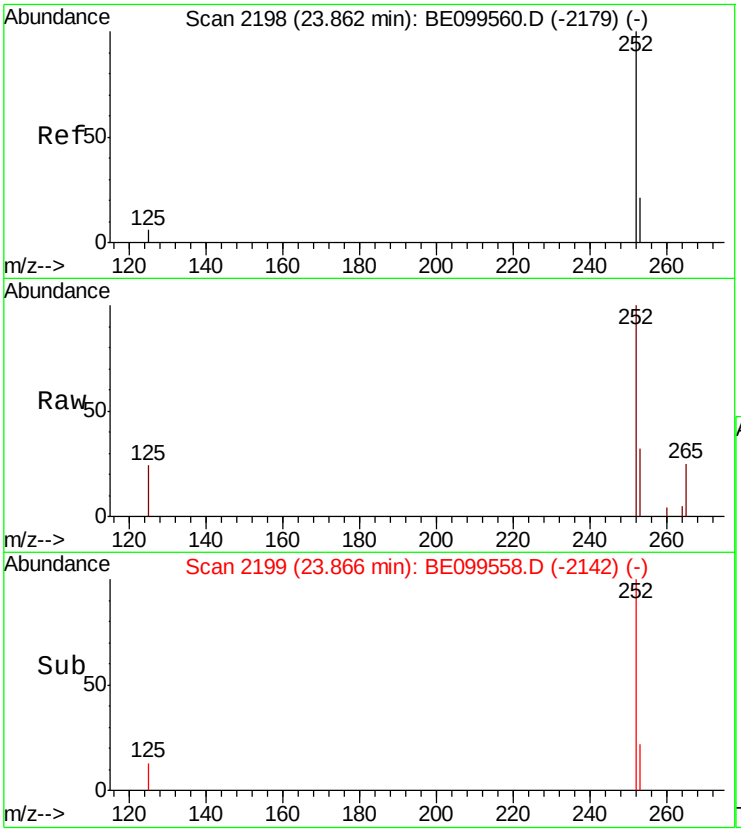


#36
Benzo(k)fluoranthene
Concen: 0.091 ng
RT: 23.24 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Tgt Ion:252 Resp: 5246

Ion	Ratio	Lower	Upper
252	100		
253	31.2	19.1	28.7#
125	14.4	5.8	8.6#



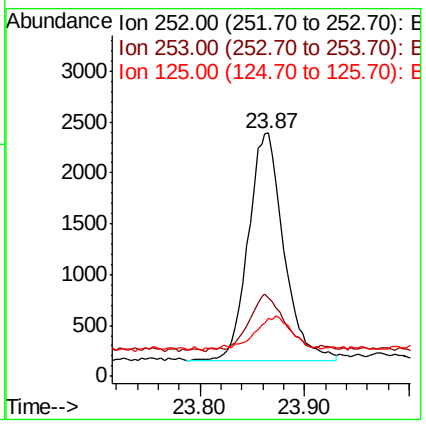


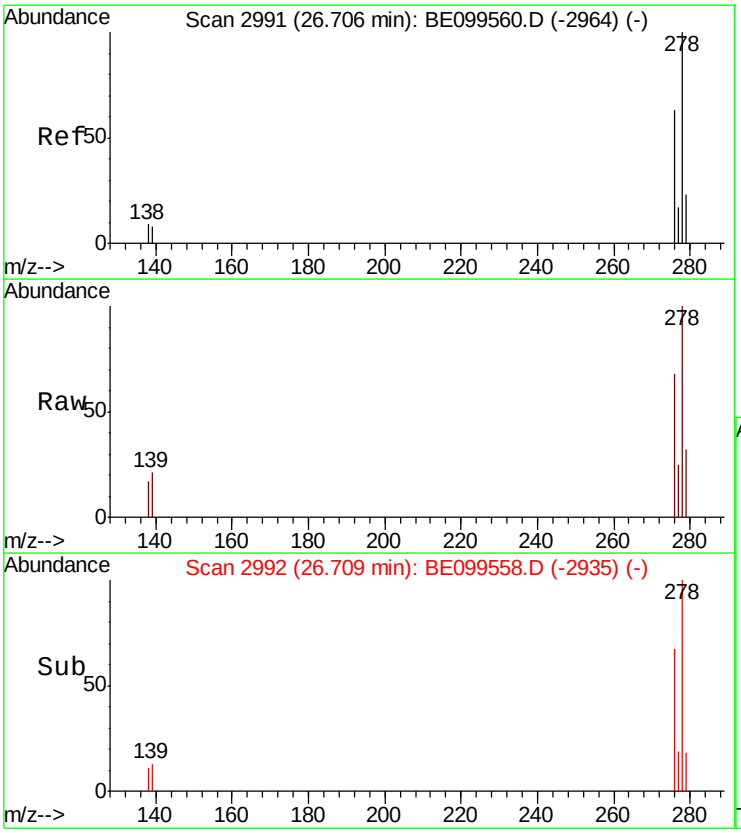
#37
Benzo(a)pyrene
Concen: 0.094 ng
RT: 23.87 min Scan# 2199
Delta R.T. 0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 5293

Ion	Ratio	Lower	Upper
252	100		
253	32.5	18.9	28.3#
125	23.6	6.6	9.8#

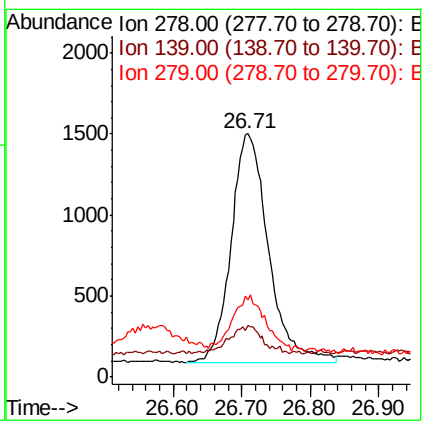


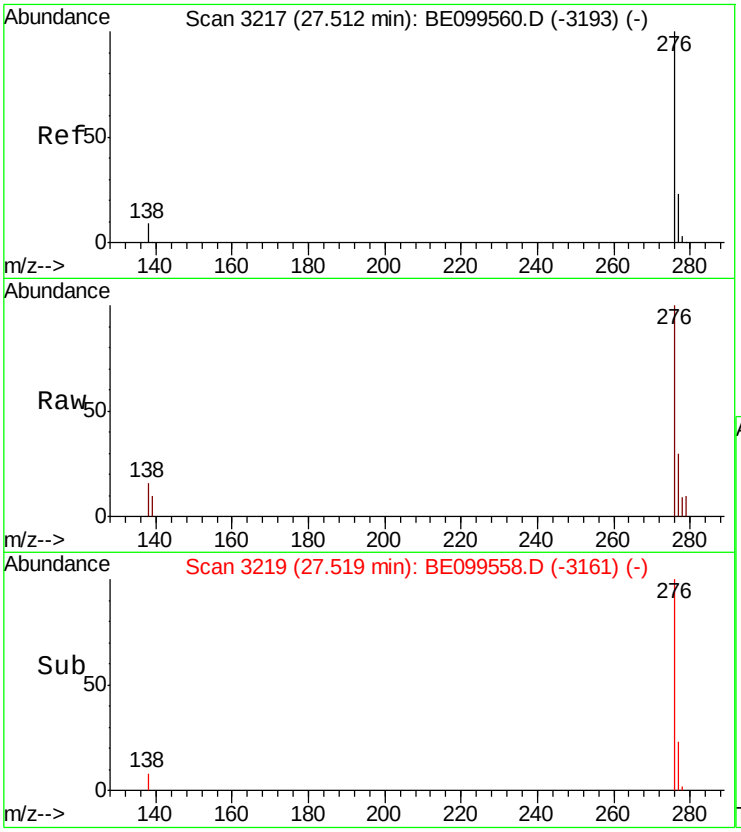


#38
Dibenzo(a,h)anthracene
Concen: 0.092 ng
RT: 26.71 min Scan# 2992
Delta R.T. 0.00 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Tgt Ion:278 Resp: 5317

Ion	Ratio	Lower	Upper
278	100		
139	21.3	7.7	11.5#
279	31.8	21.0	31.4#





#39
Benzo(g,h,i)perylene
Concen: 0.093 ng
RT: 27.52 min Scan# 3219
Delta R.T. 0.01 min
Lab File: BE099558.D
Acq: 7 May 2019 9:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 5382

Ion	Ratio	Lower	Upper
276	100		
277	29.6	19.7	29.5#
138	15.8	8.6	12.8#