Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061119\
Data File : BE099933.D
Acq On : 11 Jun 2019 20:32
Operator : JU/SJ
Sample : K2241-08
Misc : LOQ-WATER-0.2PPM
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOQ-WATER-02-QT2-2019

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Quant Time: Jun 12 16:43:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 14:57:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	611	0.40	ng		-0.01
7) Naphthalene-d8	10.59	136	2126	0.40	ng		-0.01
13) Acenaphthene-d10	14.44	164	1821	0.40	ng		-0.03
19) Phenanthrene-d10	17.19	188	6357	0.40	ng		-0.03
27) Chrysene-d12	21.37	240	7642	0.40	ng		-0.04
34) Perylene-d12	23.86	264	8853	0.40	ng		-0.07
System Monitoring Compounds							
4) 2-Fluorophenol	5.35	112	2006	1.22	ng		0.00
5) Phenol-d6	6.95	99	2584	1.22	ng		-0.01
8) Nitrobenzene-d5	8.96	82	1731	0.86	ng		0.00
11) 2-Methylnaphthalene-d10	12.19	152	1395	0.38	ng		-0.01
14) 2,4,6-Tribromophenol	15.94	330	1221	0.91	ng		-0.03
15) 2-Fluorobiphenyl	13.07	172	6533	0.95	ng		-0.03
25) Fluoranthene-d10	19.21	212	30540	0.33	ng		-0.04
29) Terphenyl-d14	19.81	244	17347	1.26	ng		-0.04
Target Compounds							Qvalue
2) 1,4-Dioxane	3.27	88	203	0.224	ng	#	90
3) n-Nitrosodimethylamine	3.63	42	172m	0.330	ng		
6) bis(2-Chloroethyl)ether	7.22	93	346	0.199	ng	#	70
9) Naphthalene	10.64	128	5098	0.222	ng	#	96
10) Hexachlorobutadiene	10.90	225	403	0.230	ng		98
12) 2-Methylnaphthalene	12.27	142	819	0.220	ng		97
16) Acenaphthylene	14.17	152	1869	0.206	ng		97
17) Acenaphthene	14.51	154	1030	0.209	ng		98
18) Fluorene	15.49	166	1639	0.221	ng		96
20) 4-Bromophenyl-phenylether	16.38	248	721	0.200	ng	#	90
21) Hexachlorobenzene	16.48	284	803	0.218	ng		97
22) Pentachlorophenol	16.95	266	97	0.354	ng		84
23) Phenanthrene	17.23	178	3091	0.200	ng		99
24) Anthracene	17.32	178	2463	0.174	ng		97
26) Fluoranthene	19.24	202	5107	0.195	ng		99
28) Pyrene	19.61	202	5166	0.257	ng		100
30) Benzo(a)anthracene	21.35	228	4515	0.198	ng		99
31) Chrysene	21.40	228	5527	0.234	ng		99
32) Bis(2-ethylhexyl)phthalate	21.26	149	5704	0.174	ng		99
33) Indeno(1,2,3-cd)pyrene	26.52	276	5941m	0.212	ng		
35) Benzo(b)fluoranthene	23.09	252	5126m	0.207	ng		
36) Benzo(k)fluoranthene	23.15	252	5701	0.220	ng	#	94
37) Benzo(a)pyrene	23.76	252	5389	0.221	ng	#	88
38) Dibenzo(a,h)anthracene	26.56	278	4535m	0.184	ng		
39) Benzo(g,h,i)perylene	27.34	276	5405	0.213	ng	#	93

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061119\
Data File : BE099933.D
Acq On : 11 Jun 2019 20:32
Operator : JU/SJ
Sample : K2241-08
Misc : LOQ-WATER-0.2PPM
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 12 16:43:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 14:57:20 2019
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT2-2019

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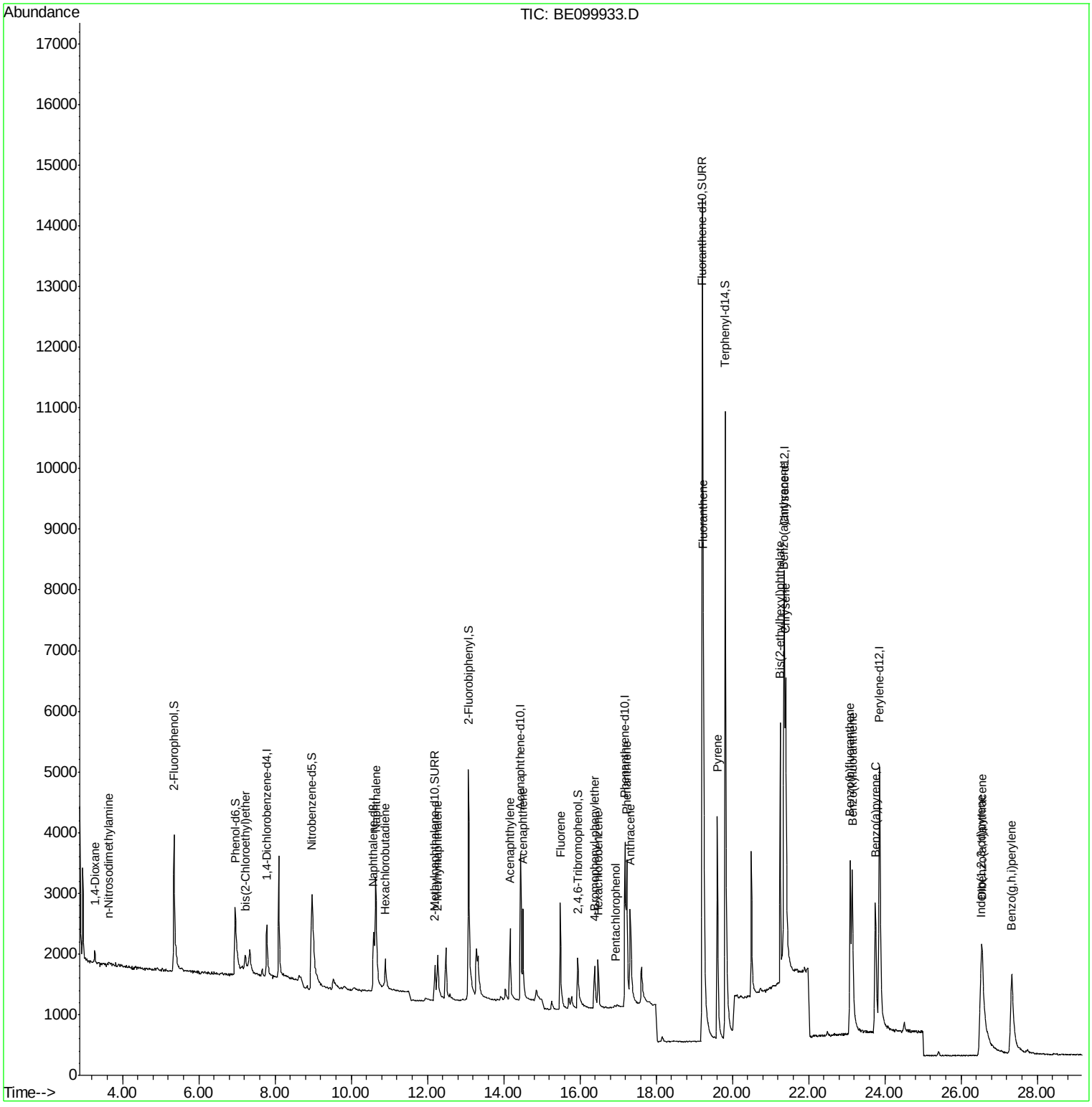
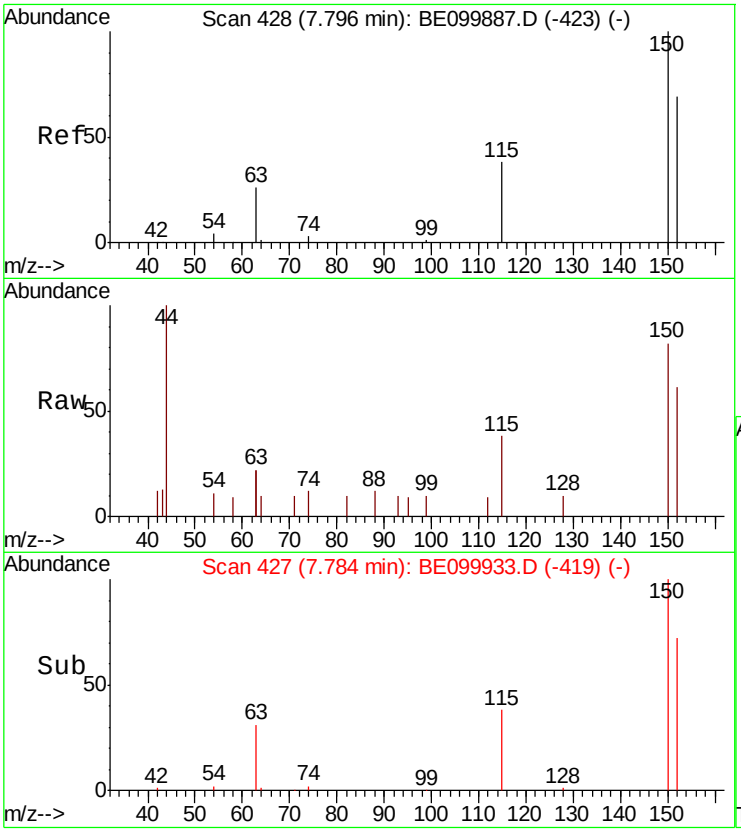
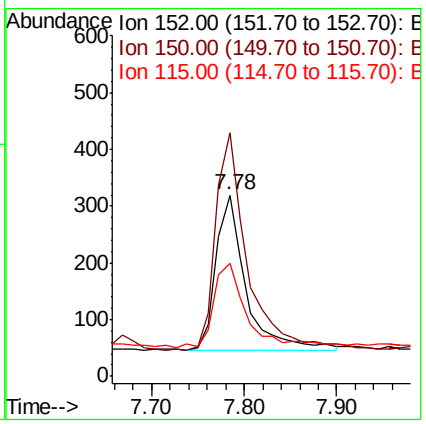




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.78 min Scan# 427
Delta R.T. -0.01 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:152 Resp: 611

Ion	Ratio	Lower	Upper
152	100		
150	134.5	111.0	166.6
115	62.4	50.7	76.1



Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT2-2019

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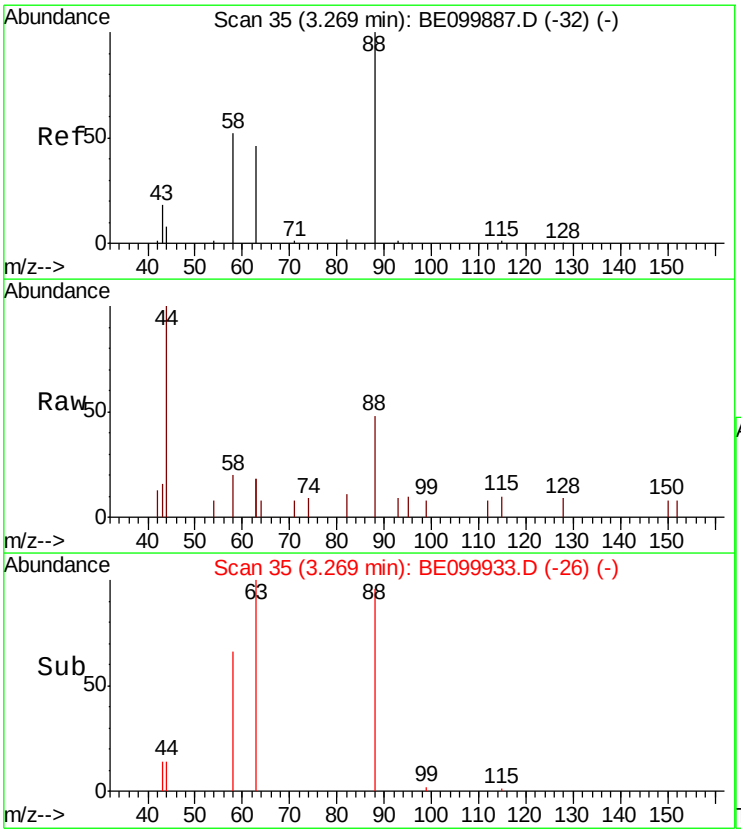
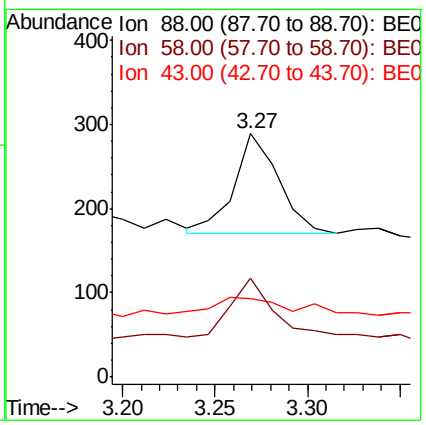
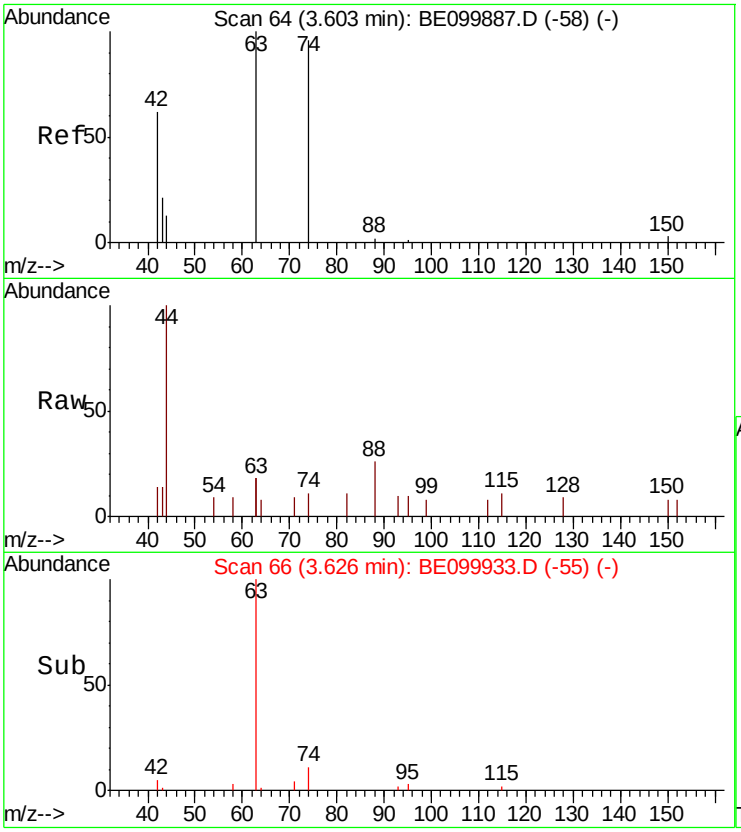


#2
1,4-Dioxane
Concen: 0.224 ng
RT: 3.27 min Scan# 35
Delta R.T. -0.00 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion: 88 Resp: 203

Ion	Ratio	Lower	Upper
88	100		
58	58.6	48.8	73.2
43	37.9	19.0	28.6#





#3
n-Nitrosodimethylamine
Concen: 0.330 ng m
RT: 3.63 min Scan# 66
Delta R.T. 0.02 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion: 42 Resp: 172

Ion	Ratio	Lower	Upper
42	100		
74	0.0	0.0	0.0
44	12.8	0.0	0.0#

Instrument :
BNA_E
ClientSampleId :
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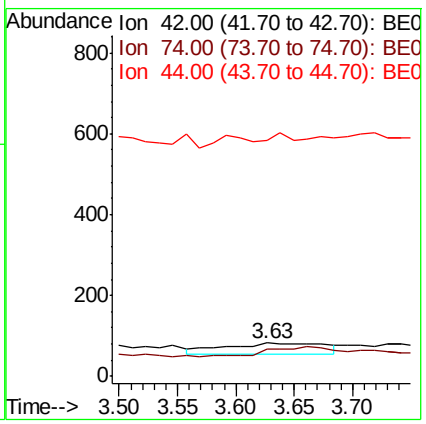
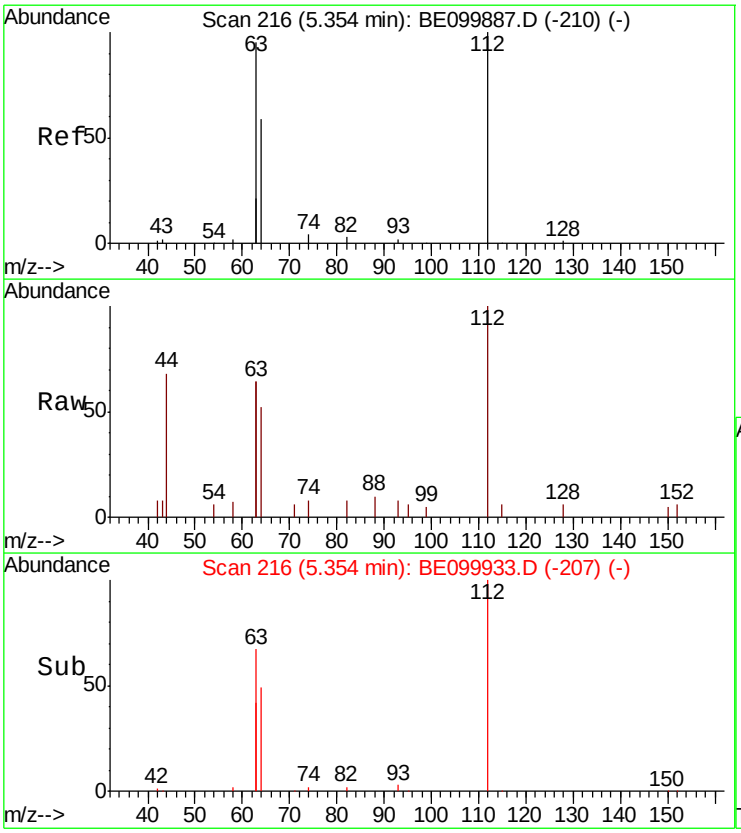
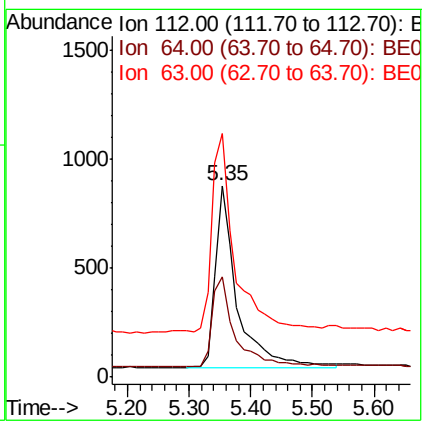


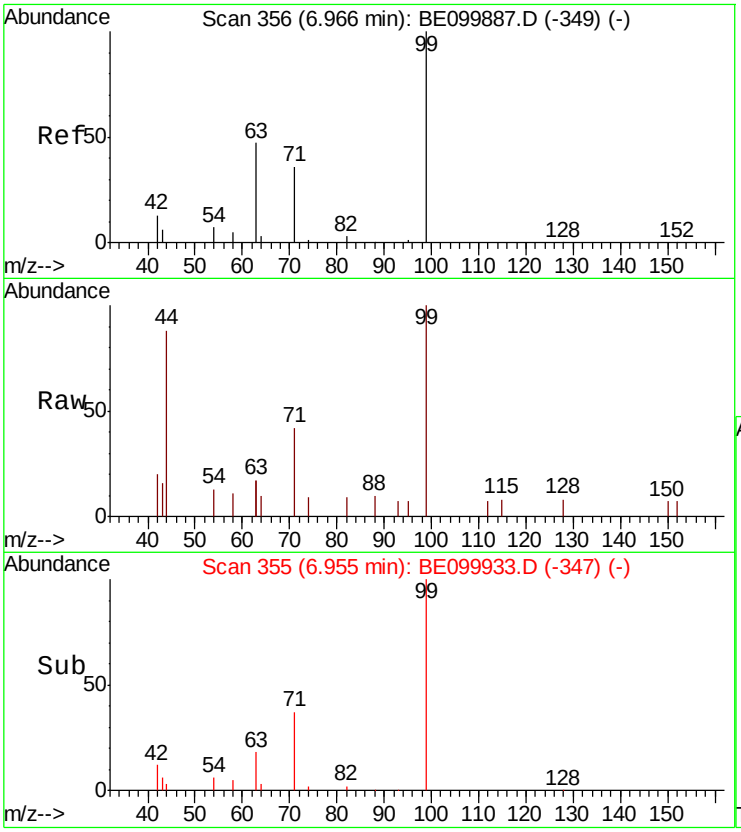


#4
2-Fluorophenol
Concen: 1.216 ng
RT: 5.35 min Scan# 216
Delta R.T. -0.00 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:112 Resp: 2006

Ion	Ratio	Lower	Upper
112	100		
64	53.6	44.1	66.1
63	113.0	87.8	131.6

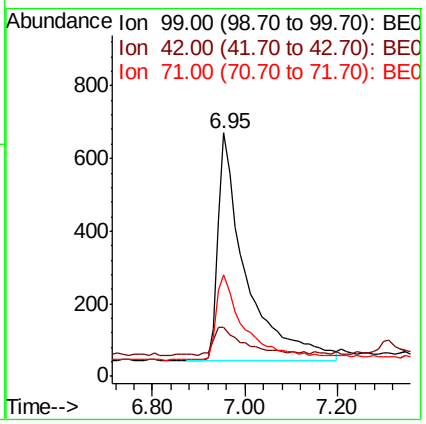




#5
Phenol-d6
Concen: 1.217 ng
RT: 6.95 min Scan# 355
Delta R.T. -0.01 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion: 99 Resp: 2584

Ion	Ratio	Lower	Upper
99	100		
42	13.1	15.9	23.9#
71	38.6	34.6	52.0



Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT2-2019

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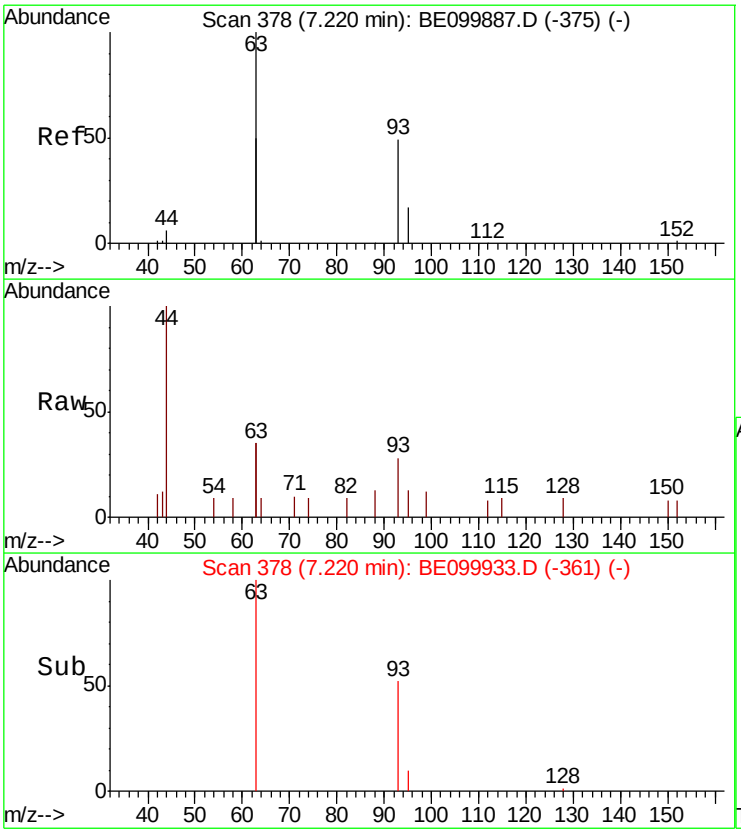
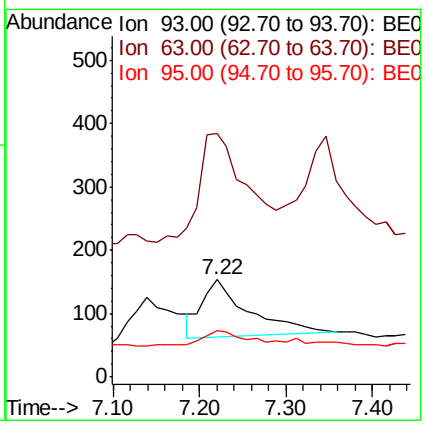
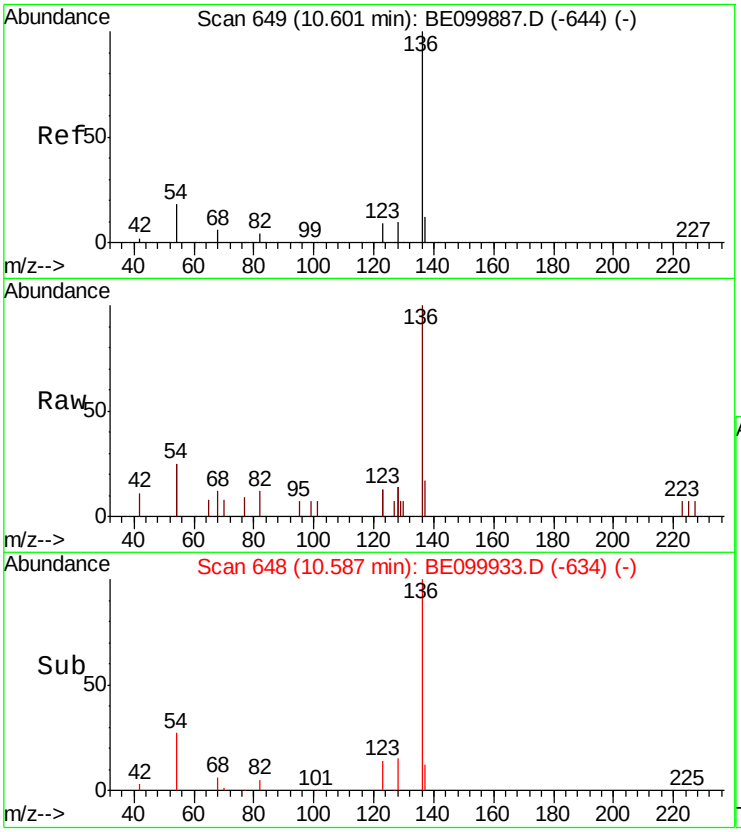


#6
bis(2-Chloroethyl)ether
Concen: 0.199 ng
RT: 7.22 min Scan# 378
Delta R.T. -0.00 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion: 93 Resp: 346

Ion	Ratio	Lower	Upper
93	100		
63	194.2	202.8	304.2#
95	28.6	23.7	35.5

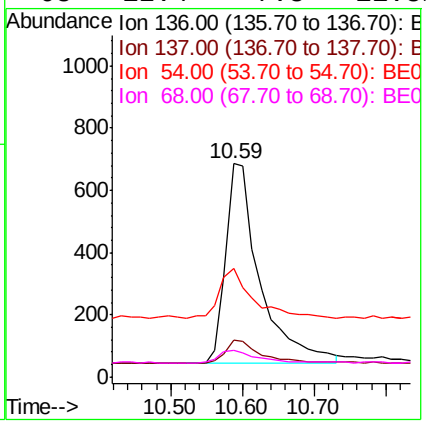




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.59 min Scan# 648
Delta R.T. -0.01 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:136 Resp: 2126

Ion	Ratio	Lower	Upper
136	100		
137	17.5	12.3	18.5
54	50.7	28.2	42.4#
68	12.4	7.8	11.8#



Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT2-2019

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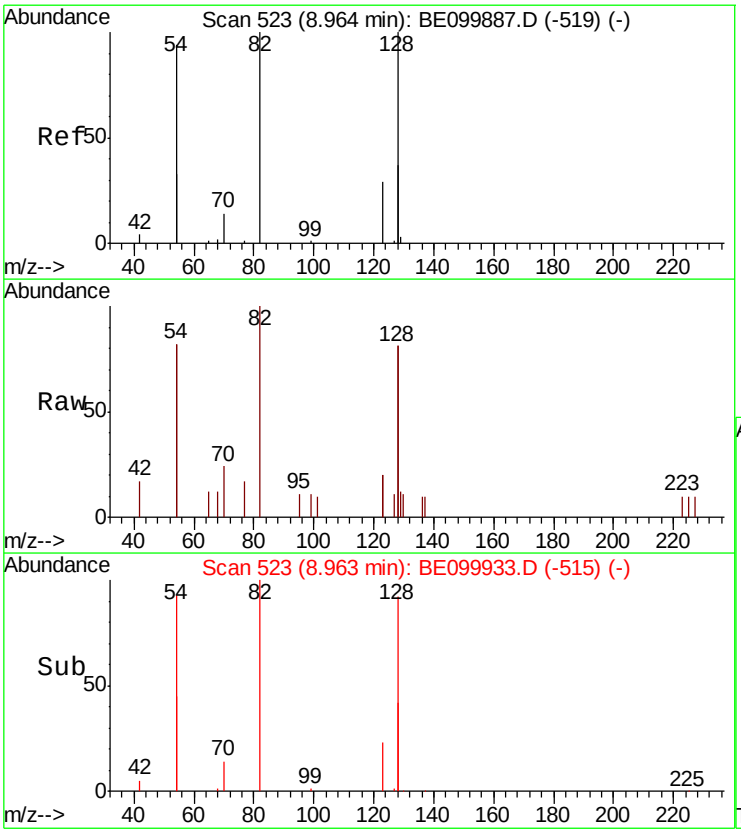
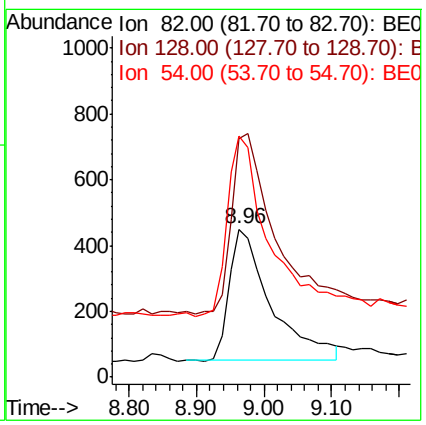
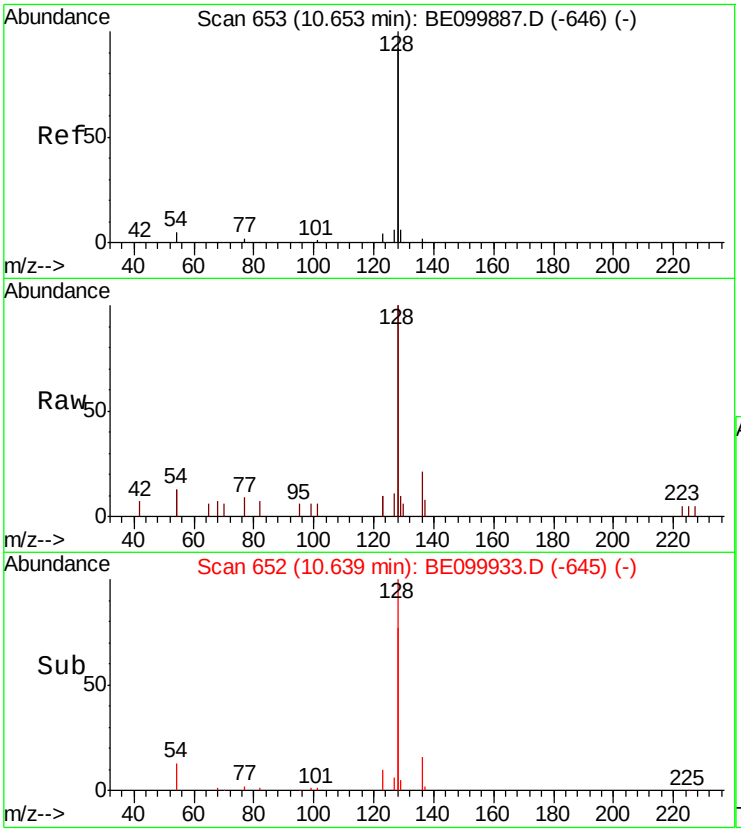


#8
Nitrobenzene-d5
Concen: 0.860 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion: 82 Resp: 1731

Ion	Ratio	Lower	Upper
82	100		
128	161.7	137.3	205.9
54	163.0	129.7	194.5





#9
Naphthalene
Concen: 0.222 ng
RT: 10.64 min Scan# 652
Delta R.T. -0.01 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:128 Resp: 5098

Ion	Ratio	Lower	Upper
128	100		
129	5.2	3.0	4.6#
127	5.6	3.4	5.0#

Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT2-2019

Manual Integrations APPROVED
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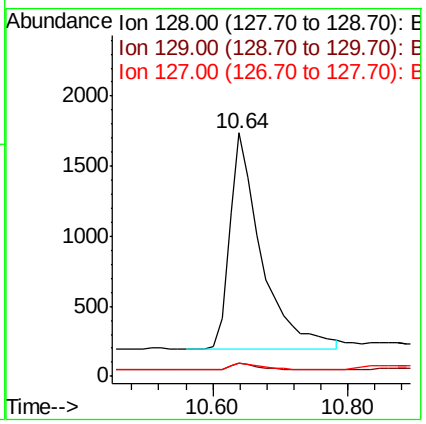
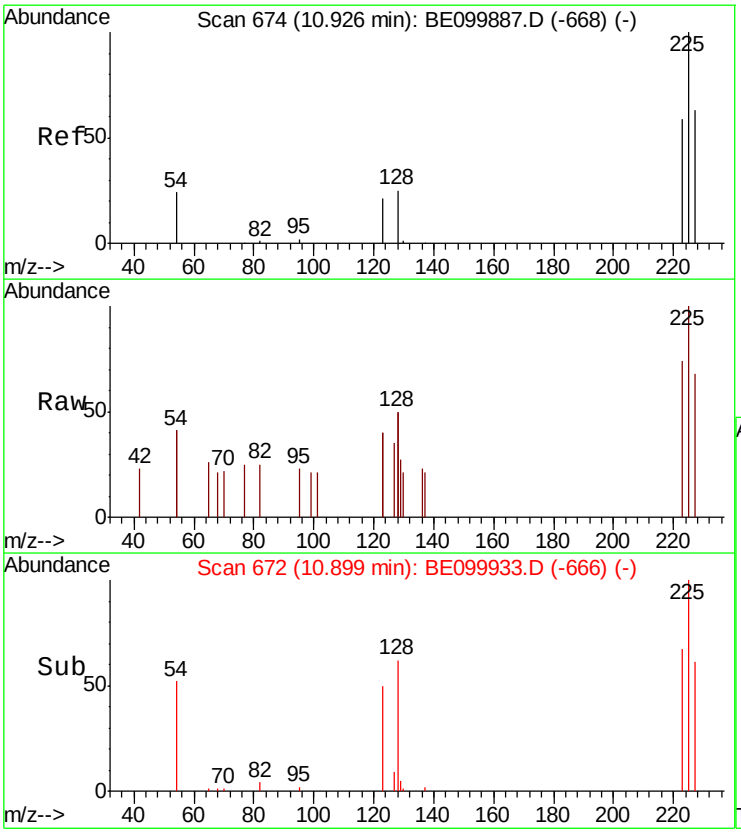
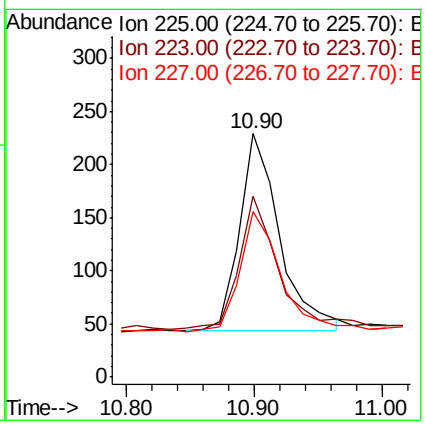


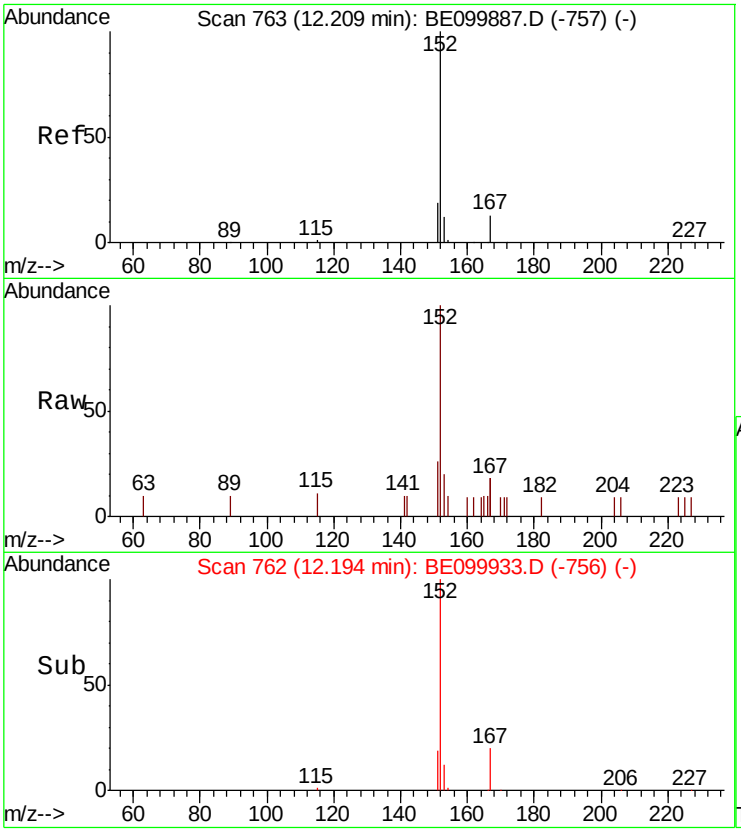


#10
Hexachlorobutadiene
Concen: 0.230 ng
RT: 10.90 min Scan# 672
Delta R.T. -0.03 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:225 Resp: 403

Ion	Ratio	Lower	Upper
225	100		
223	63.5	51.6	77.4
227	61.0	50.6	76.0

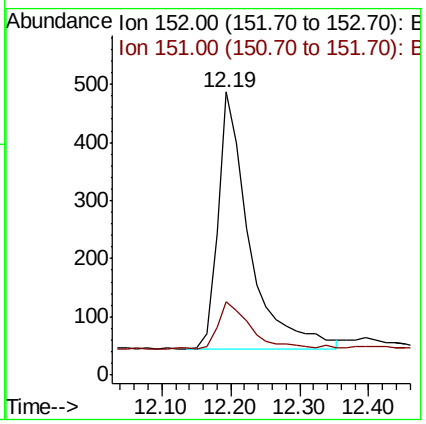




#11
2-Methylnaphthalene-d10
Concen: 0.376 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.01 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:152 Resp: 1395

Ion	Ratio	Lower	Upper
152	100		
151	18.0	15.2	22.8



Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT2-2019

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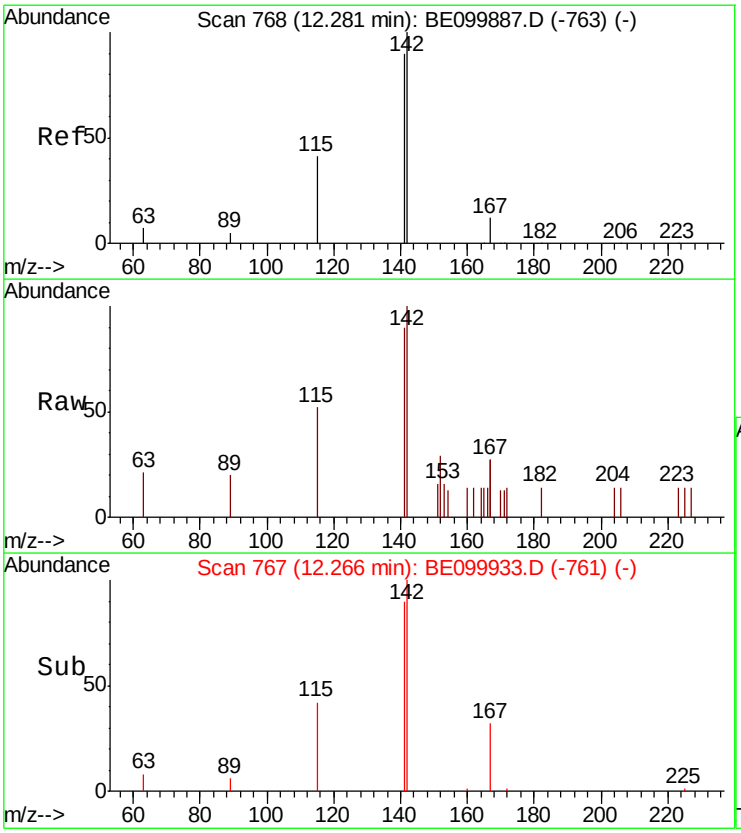
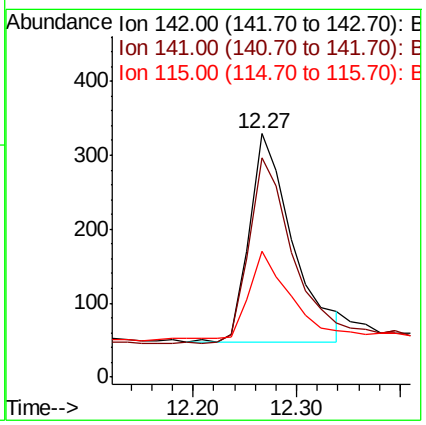
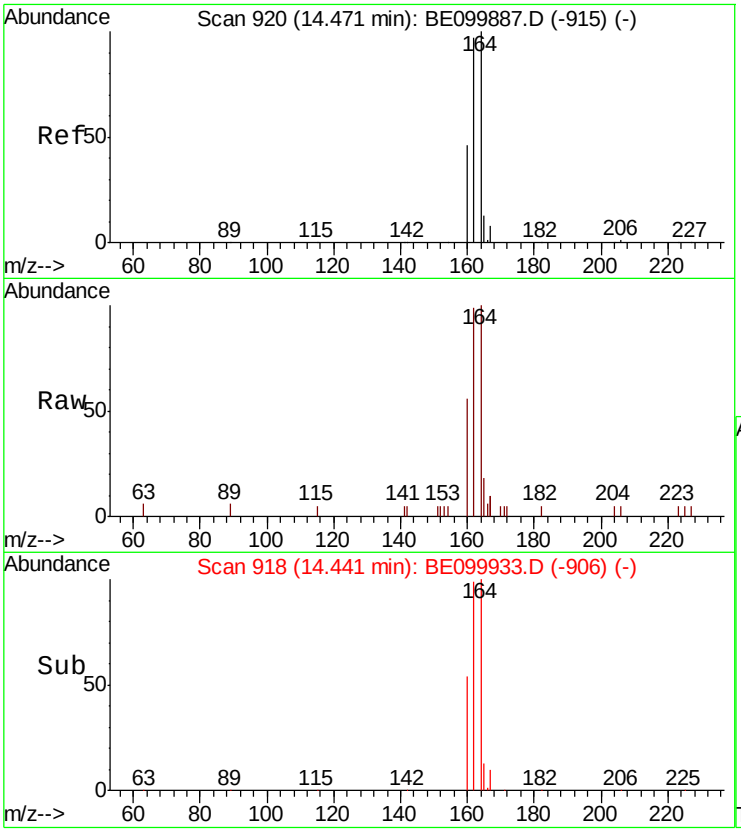


#12
2-Methylnaphthalene
Concen: 0.220 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.01 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:142 Resp: 819

Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.3	108.5
115	51.7	36.4	54.6

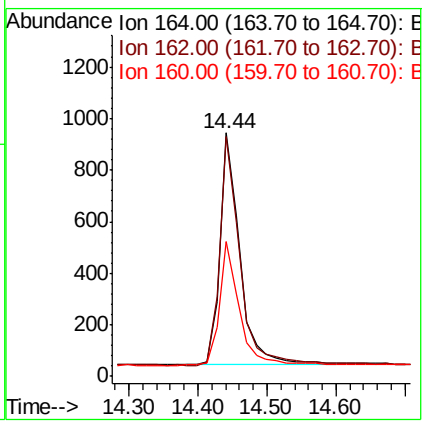




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.44 min Scan# 918
Delta R.T. -0.03 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:164 Resp: 1821

Ion	Ratio	Lower	Upper
164	100		
162	98.6	77.8	116.8
160	55.6	38.2	57.4



Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT2-2019

Manual Integrations APPROVED
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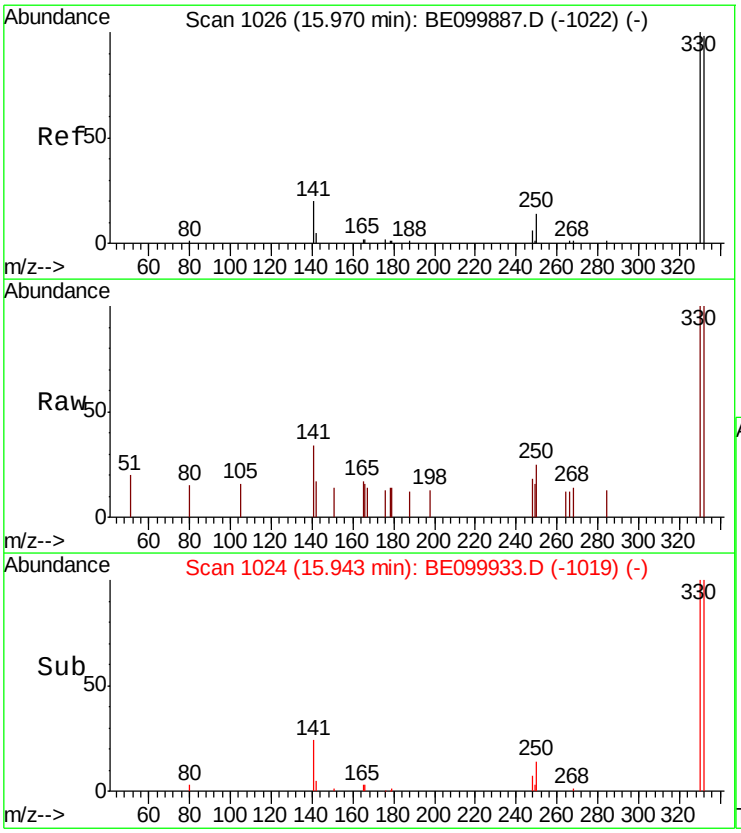
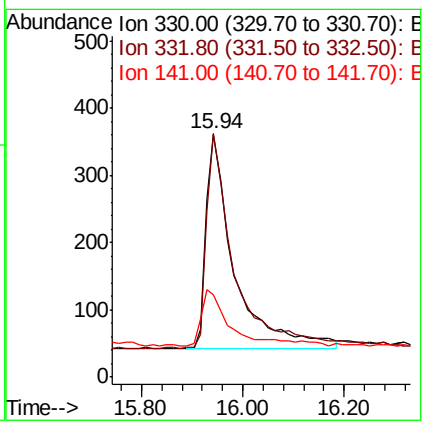
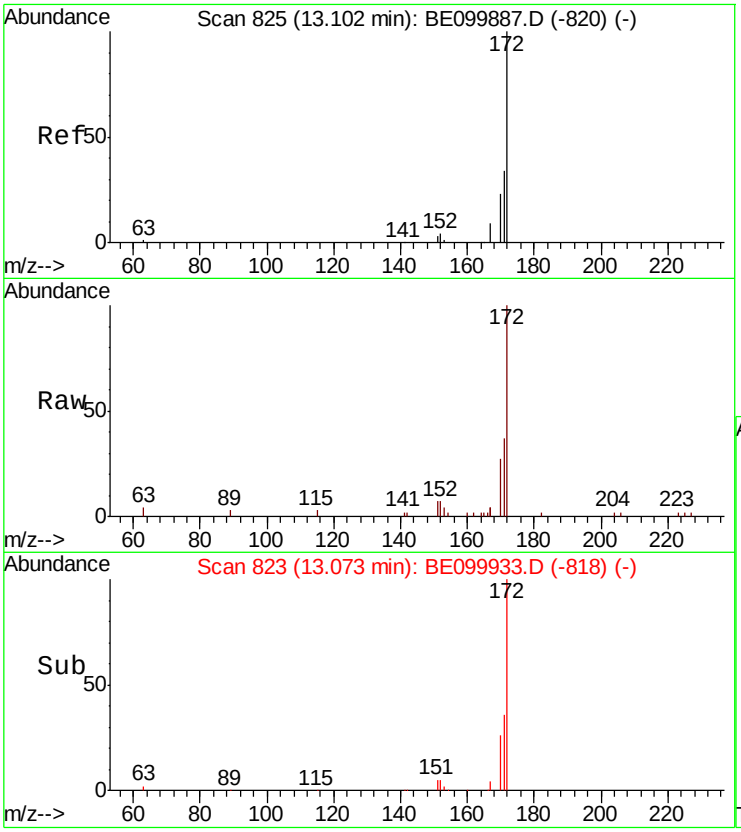


#14
2,4,6-Tribromophenol
Concen: 0.907 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.03 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:330 Resp: 1221

Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.7	115.1
141	27.8	21.0	31.6

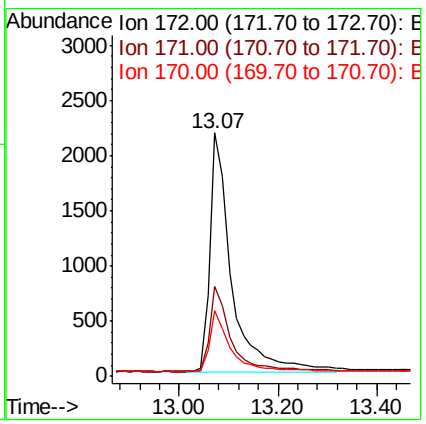




#15
2-Fluorobiphenyl
Concen: 0.946 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.03 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:172 Resp: 6533

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.2	43.8
170	27.0	21.2	31.8



Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT2-2019

Manual Integrations APPROVED
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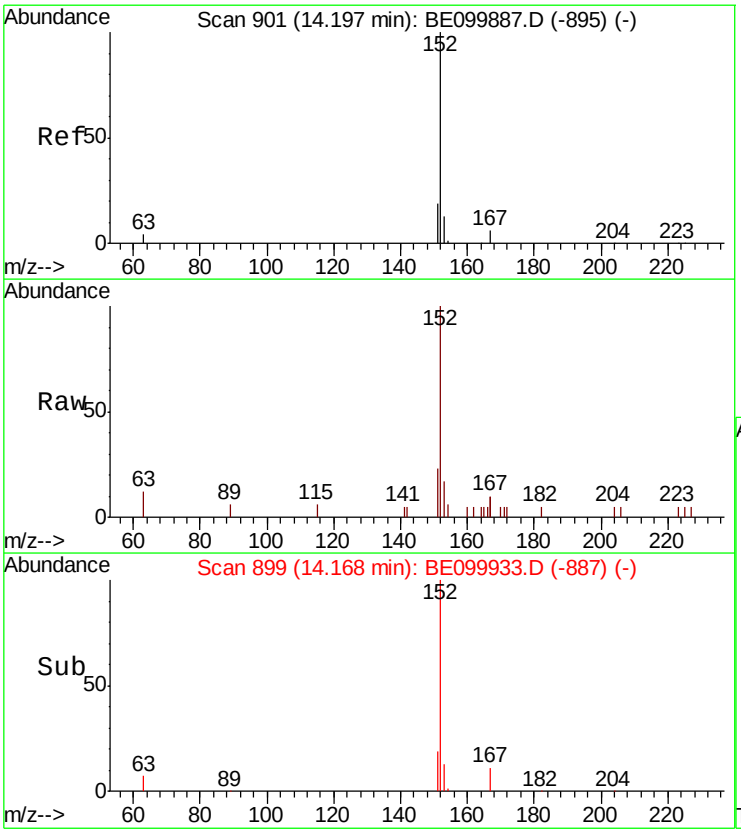
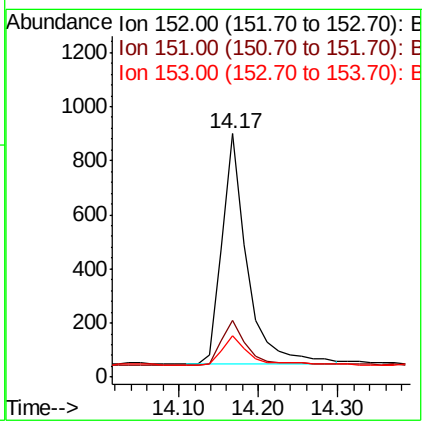
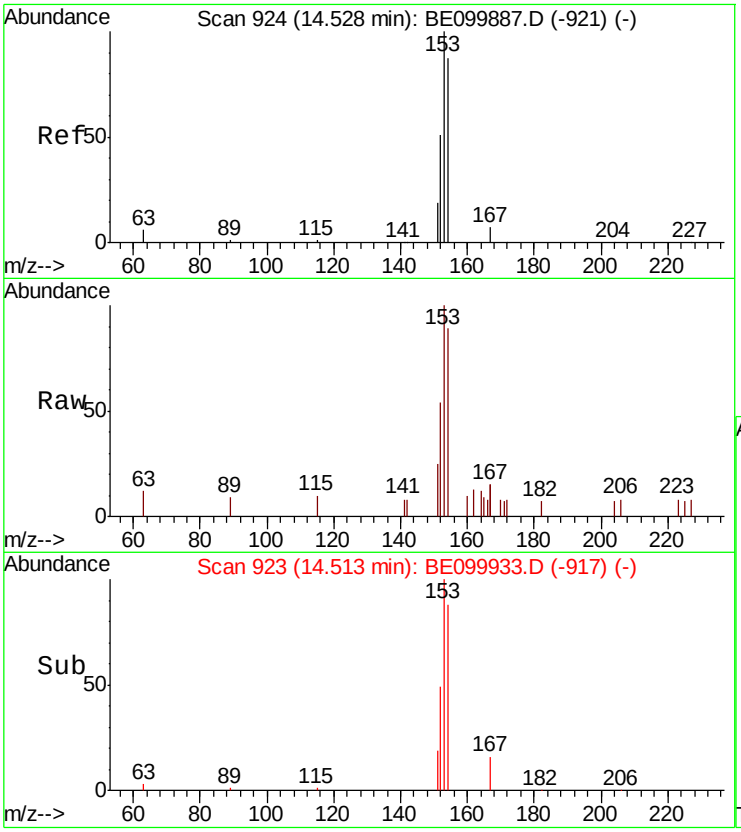


#16
Acenaphthylene
Concen: 0.206 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.03 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:152 Resp: 1869

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.5	23.3
153	13.9	10.2	15.2

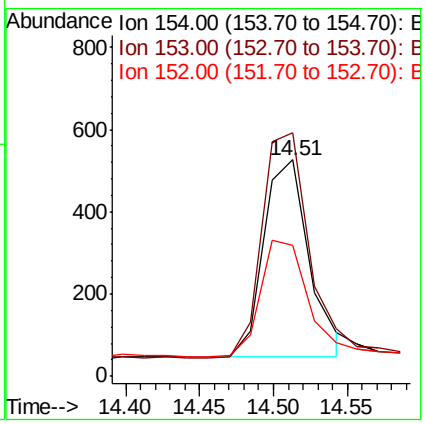




#17
Acenaphthene
Concen: 0.209 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:154 Resp: 1030

Ion	Ratio	Lower	Upper
154	100		
153	118.2	93.1	139.7
152	61.1	47.0	70.4



Instrument :
BNA_E
ClientSampleId :
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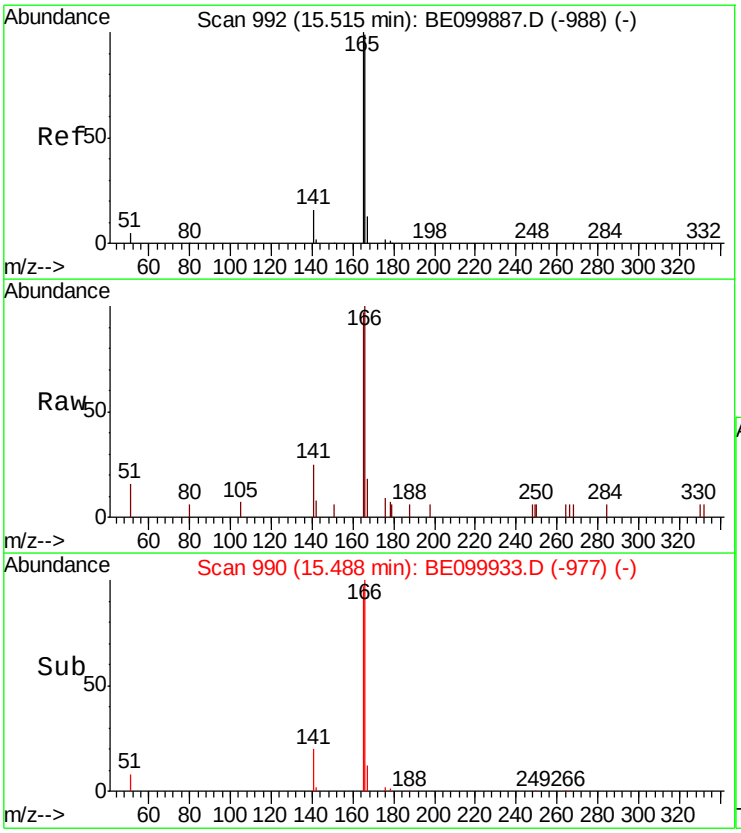
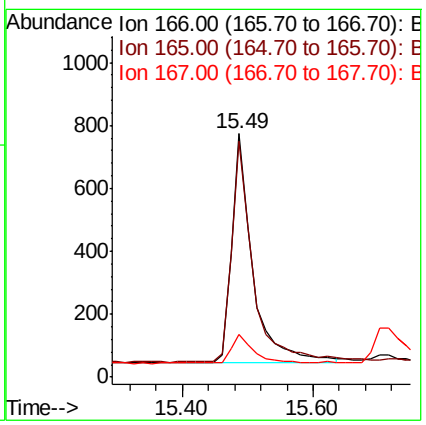
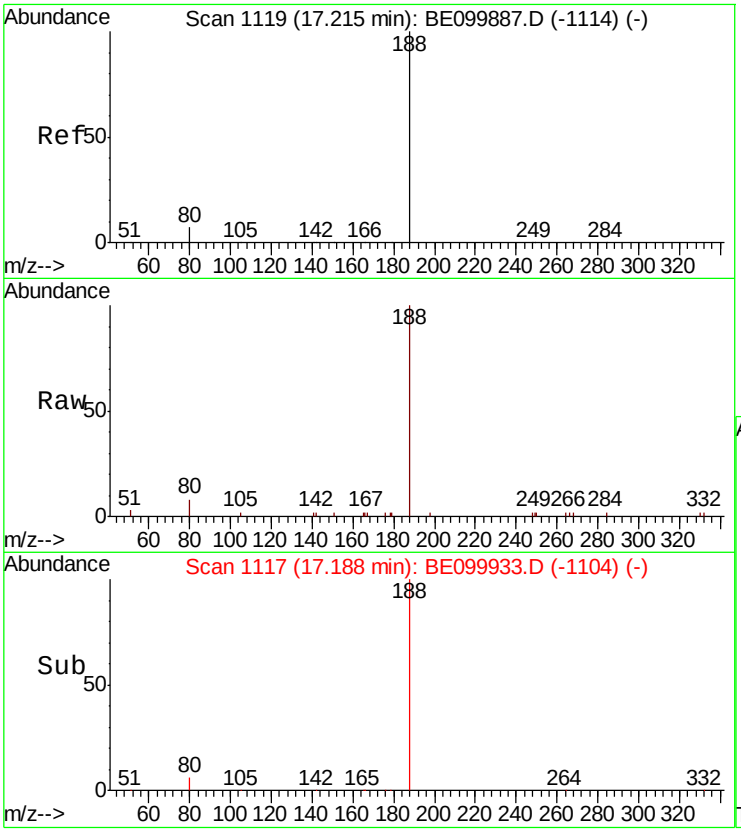


#18
Fluorene
Concen: 0.221 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.03 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:166 Resp: 1639

Ion	Ratio	Lower	Upper
166	100		
165	97.6	81.8	122.8
167	13.2	11.2	16.8





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.03 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:188 Resp: 6357

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	6.4	9.6

Instrument :
BNA_E
ClientSampleId :
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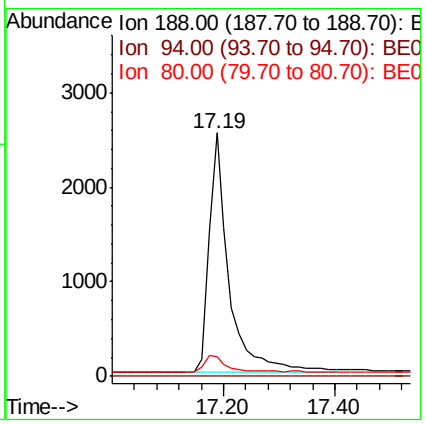
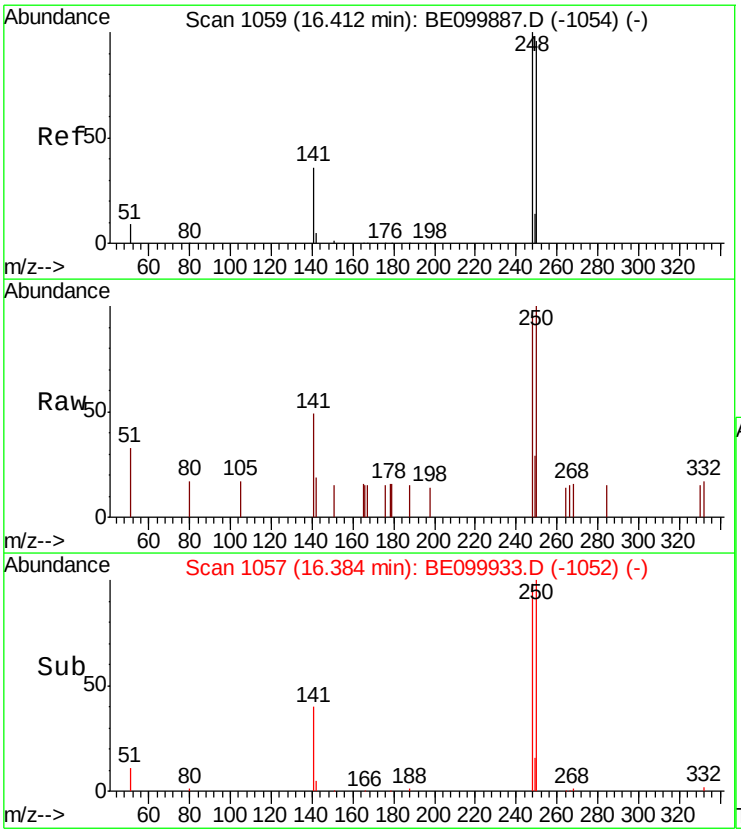
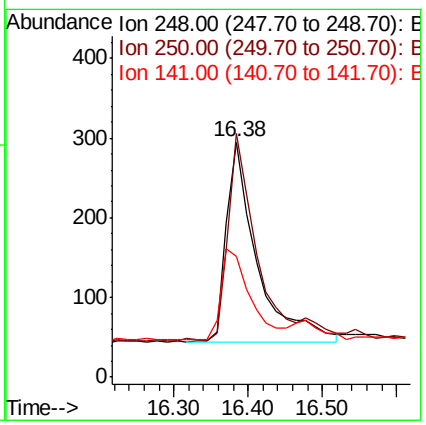


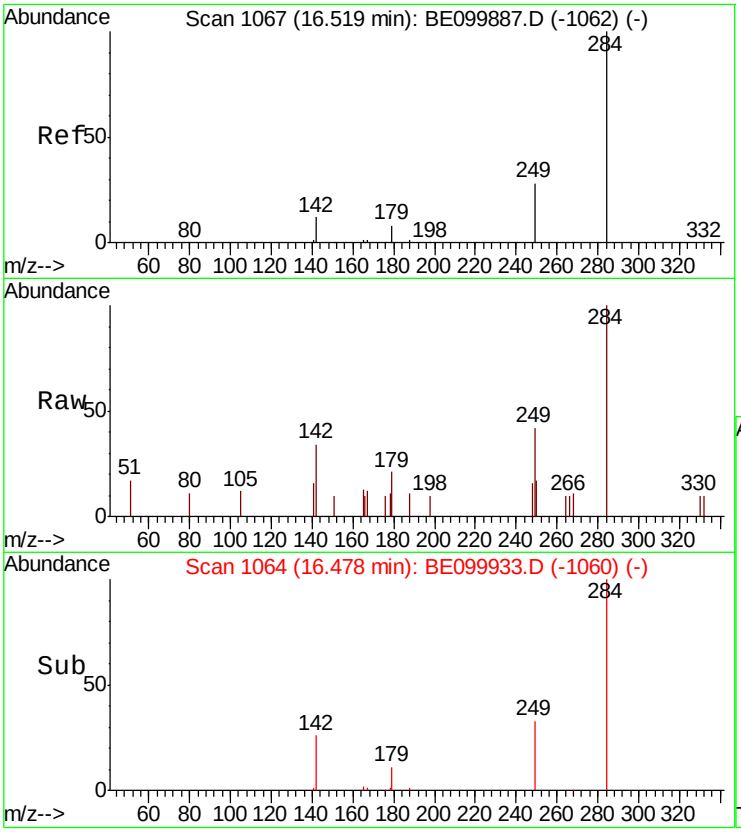


#20
4-Bromophenyl-phenylether
Concen: 0.200 ng
RT: 16.38 min Scan# 1057
Delta R.T. -0.03 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:248 Resp: 721

Ion	Ratio	Lower	Upper
248	100		
250	103.7	77.5	116.3
141	51.2	31.8	47.8#

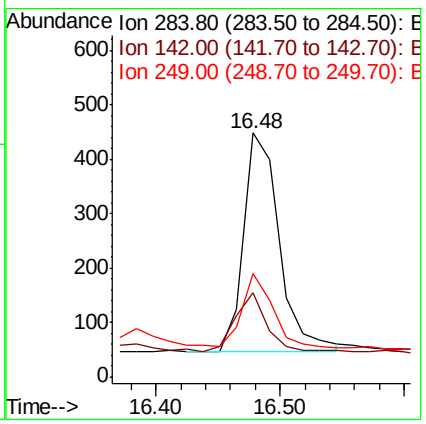




#21
Hexachlorobenzene
Concen: 0.218 ng
RT: 16.48 min Scan# 1064
Delta R.T. -0.04 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:284 Resp: 803

Ion	Ratio	Lower	Upper
284	100		
142	22.7	18.2	27.4
249	28.3	24.6	37.0



Instrument :
BNA_E
ClientSampleId :
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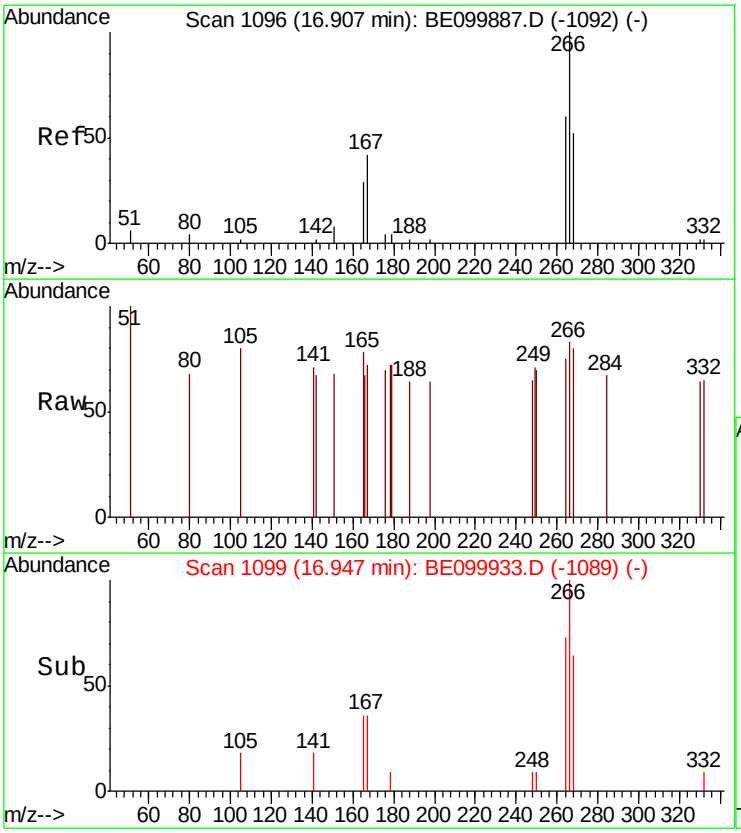
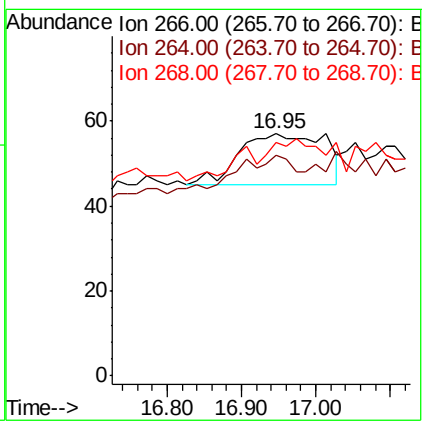
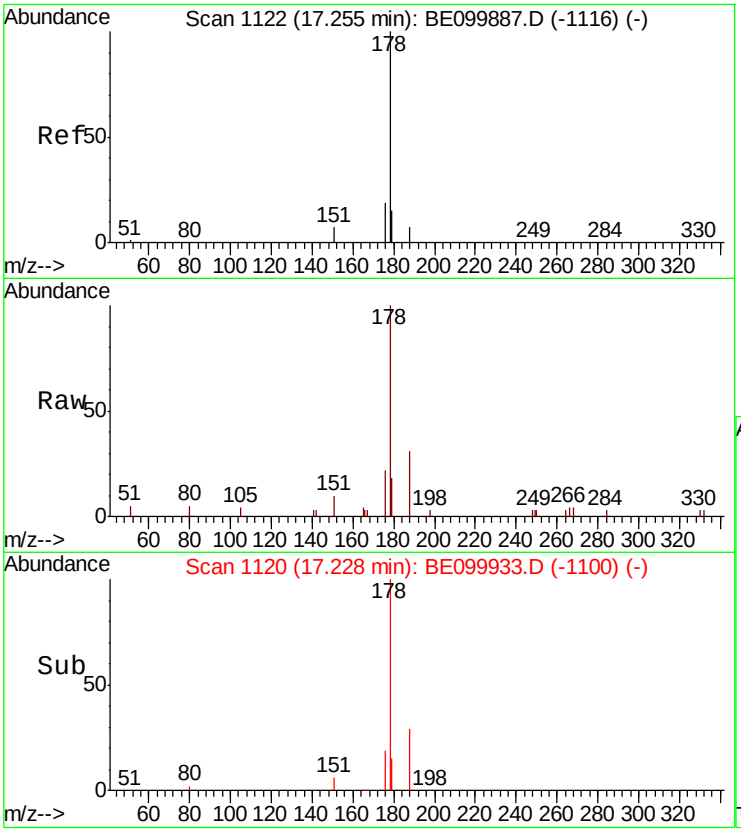


#22
Pentachlorophenol
Concen: 0.354 ng
RT: 16.95 min Scan# 1099
Delta R.T. 0.04 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:266 Resp: 97

Ion	Ratio	Lower	Upper
266	100		
264	91.2	62.2	93.2
268	96.5	65.5	98.3

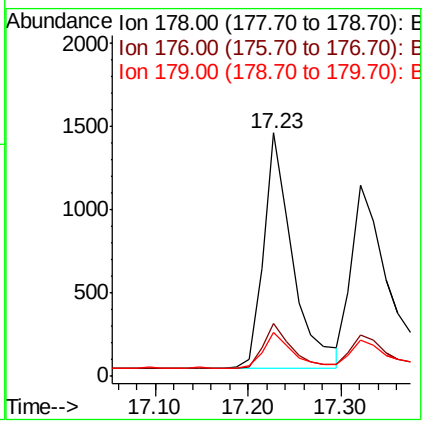




#23
Phenanthrene
Concen: 0.200 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.03 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:178 Resp: 3091

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.1	12.4	18.6



Instrument :
BNA_E
ClientSampleId :
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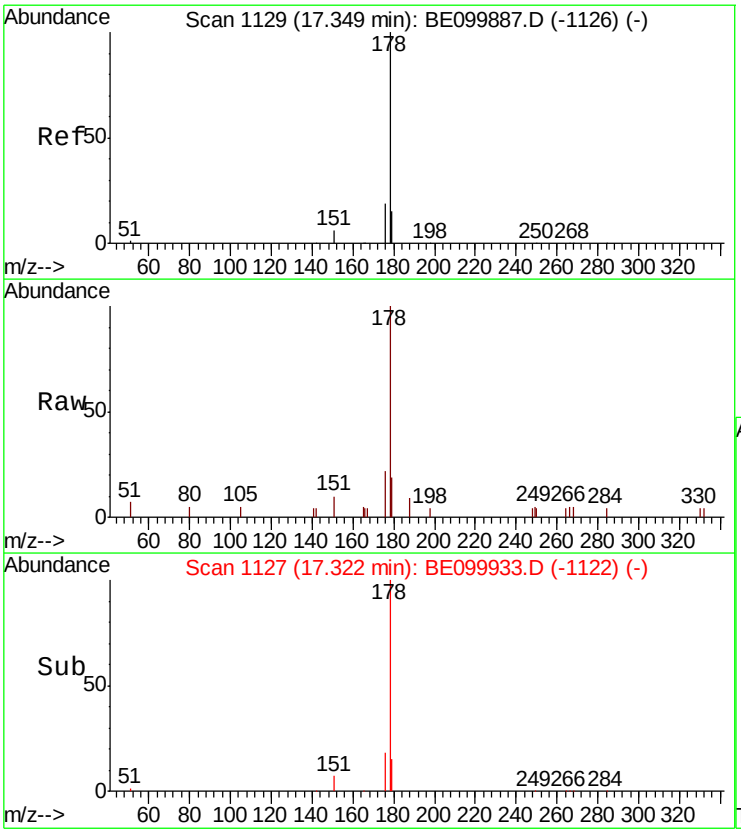
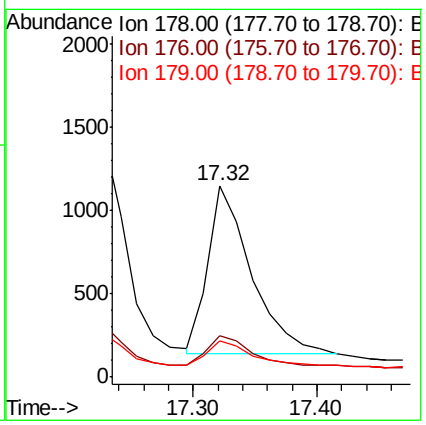
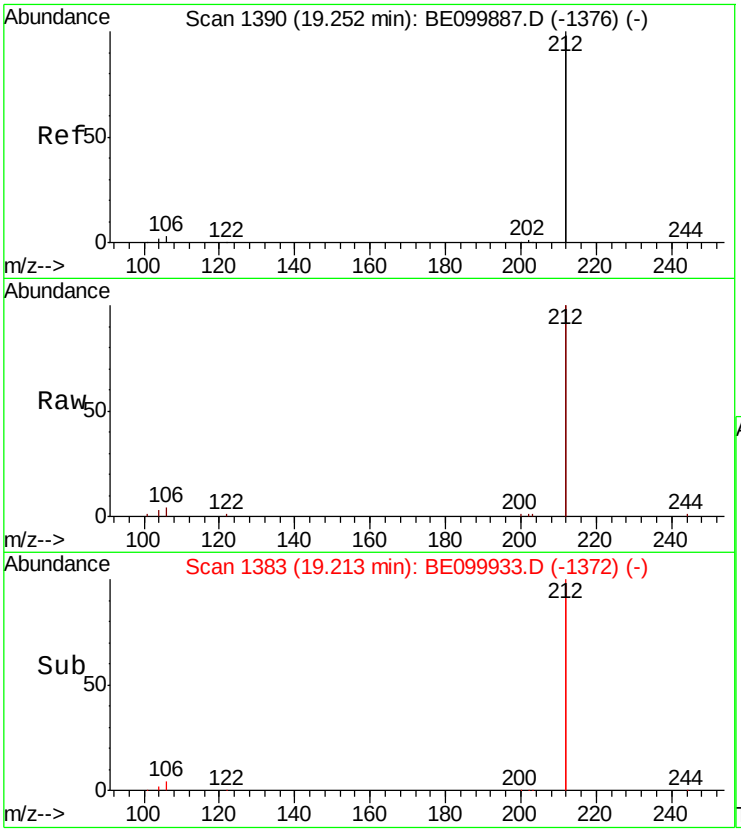


#24
Anthracene
Concen: 0.174 ng
RT: 17.32 min Scan# 1127
Delta R.T. -0.03 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:178 Resp: 2463

Ion	Ratio	Lower	Upper
178	100		
176	16.3	14.6	22.0
179	14.5	12.3	18.5

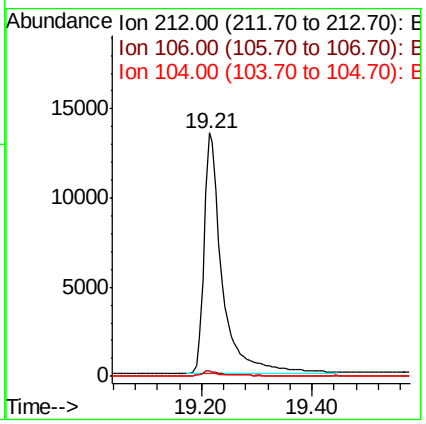




#25
Fluoranthene-d10
Concen: 0.330 ng
RT: 19.21 min Scan# 1383
Delta R.T. -0.04 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:212 Resp: 30540

Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.4	2.2
104	1.0	0.9	1.3



Instrument :
BNA_E
ClientSampleId :
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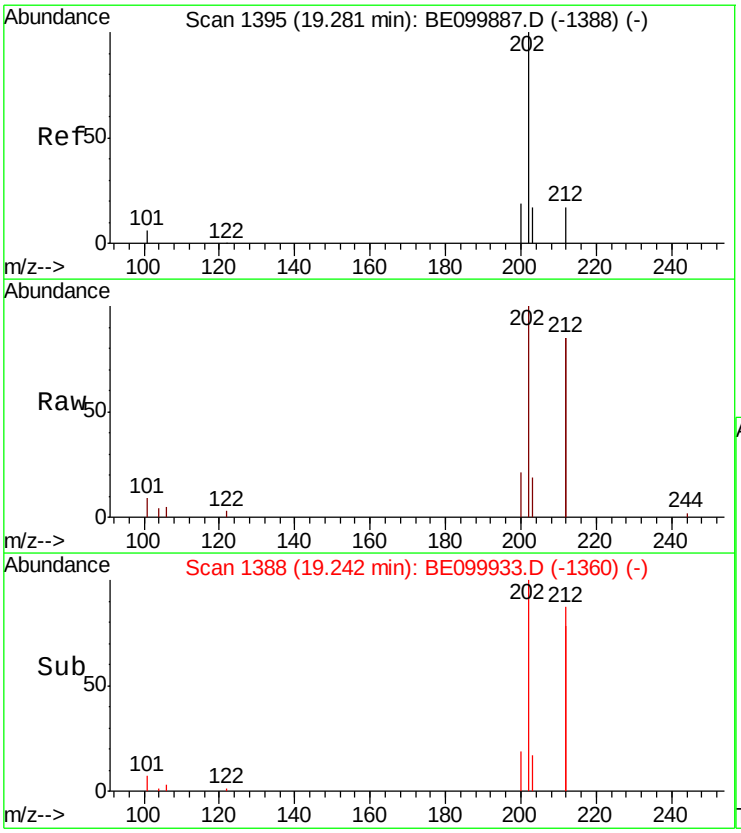
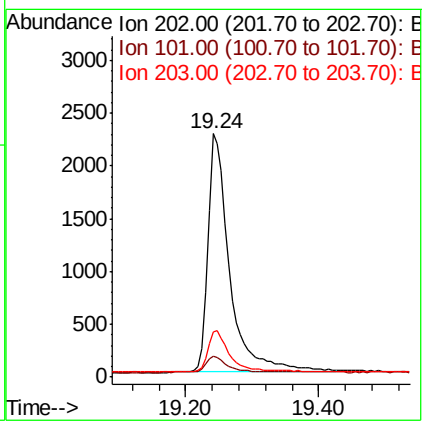
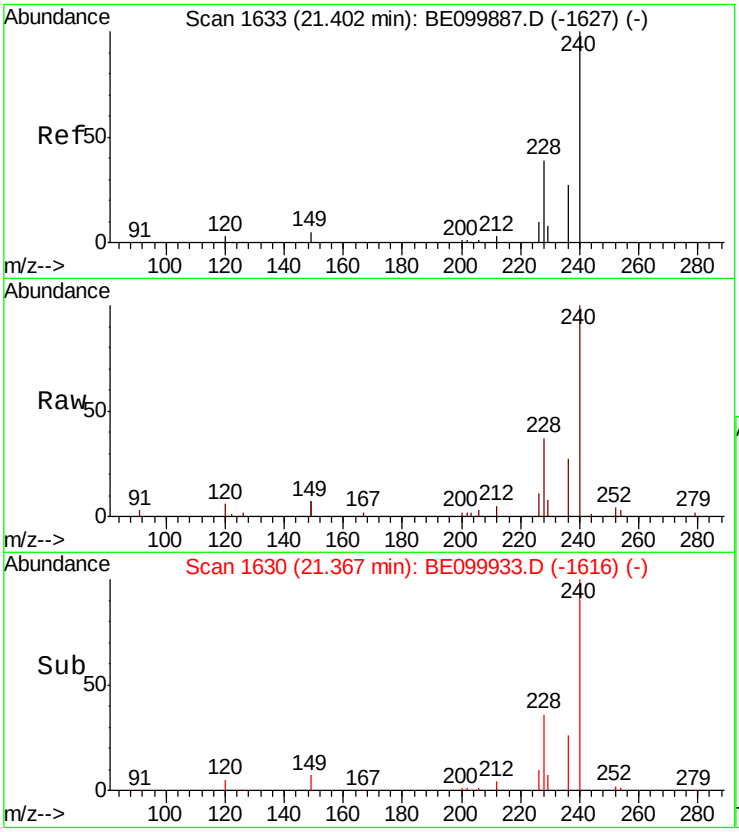


#26
Fluoranthene
Concen: 0.195 ng
RT: 19.24 min Scan# 1388
Delta R.T. -0.04 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:202 Resp: 5107

Ion	Ratio	Lower	Upper
202	100		
101	6.9	5.4	8.0
203	16.8	13.2	19.8

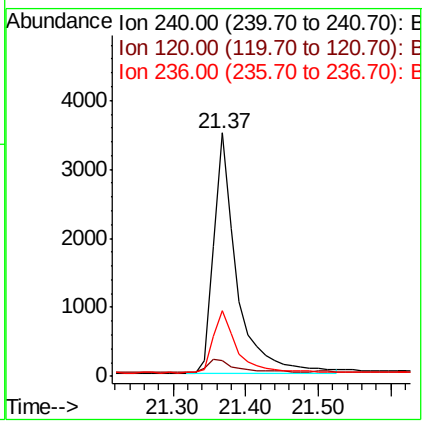




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.04 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:240 Resp: 7642

Ion	Ratio	Lower	Upper
240	100		
120	6.3	3.8	5.6#
236	27.1	22.0	33.0



Instrument :
BNA_E
ClientSampleId :
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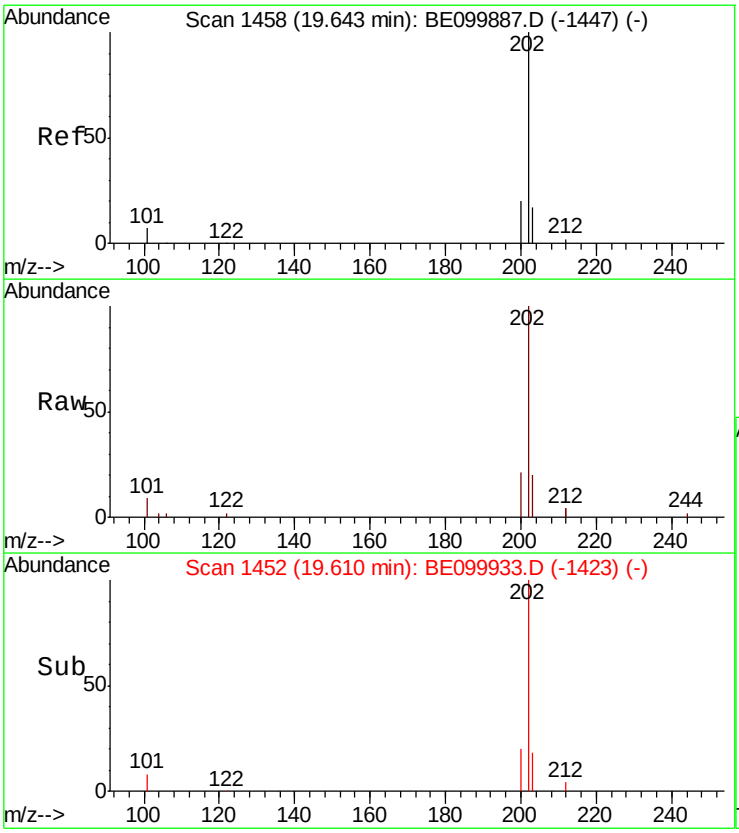
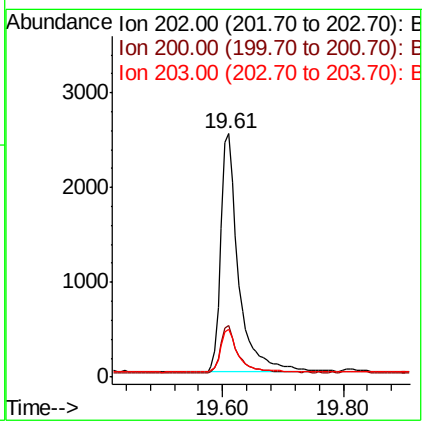
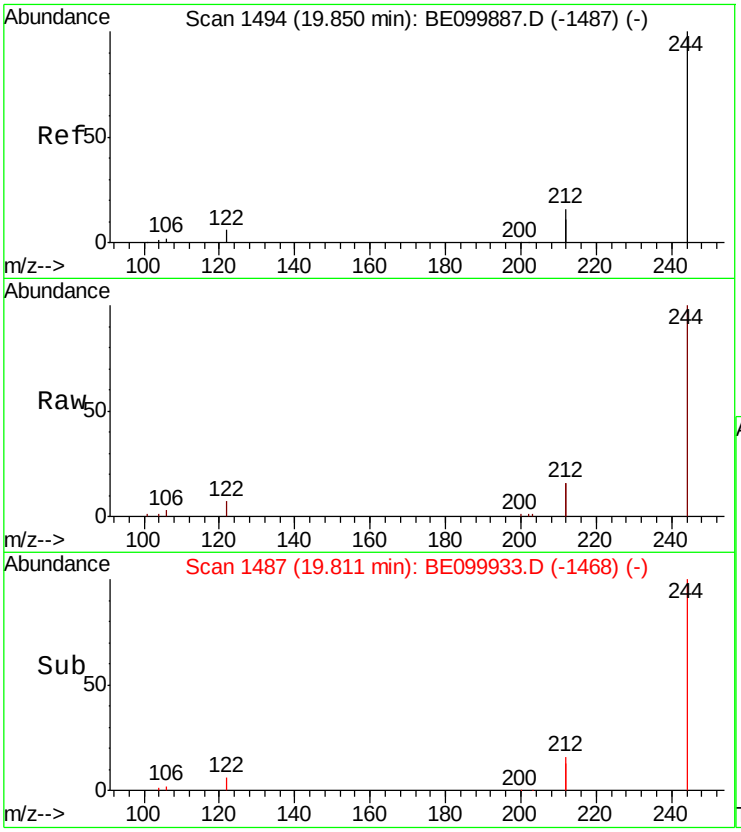


#28
Pyrene
Concen: 0.257 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.03 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:202 Resp: 5166

Ion	Ratio	Lower	Upper
202	100		
200	19.1	15.5	23.3
203	17.6	14.0	21.0

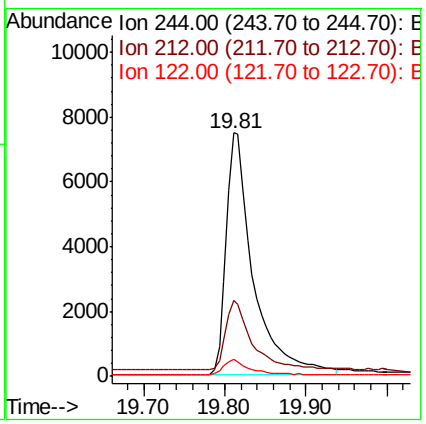




#29
Terphenyl-d14
Concen: 1.261 ng
RT: 19.81 min Scan# 1487
Delta R.T. -0.04 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:244 Resp: 17347

Ion	Ratio	Lower	Upper
244	100		
212	31.1	25.7	38.5
122	6.8	5.5	8.3



Instrument :
BNA_E
ClientSampleId :
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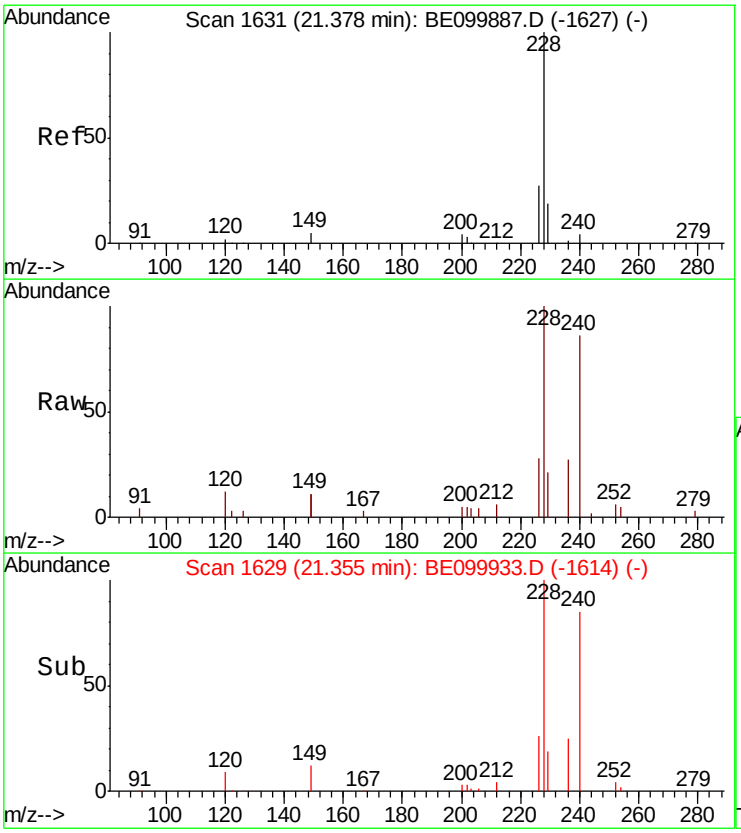
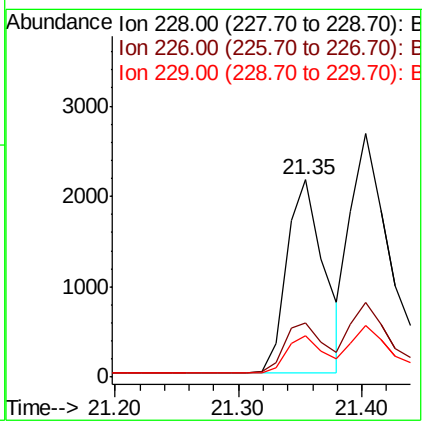
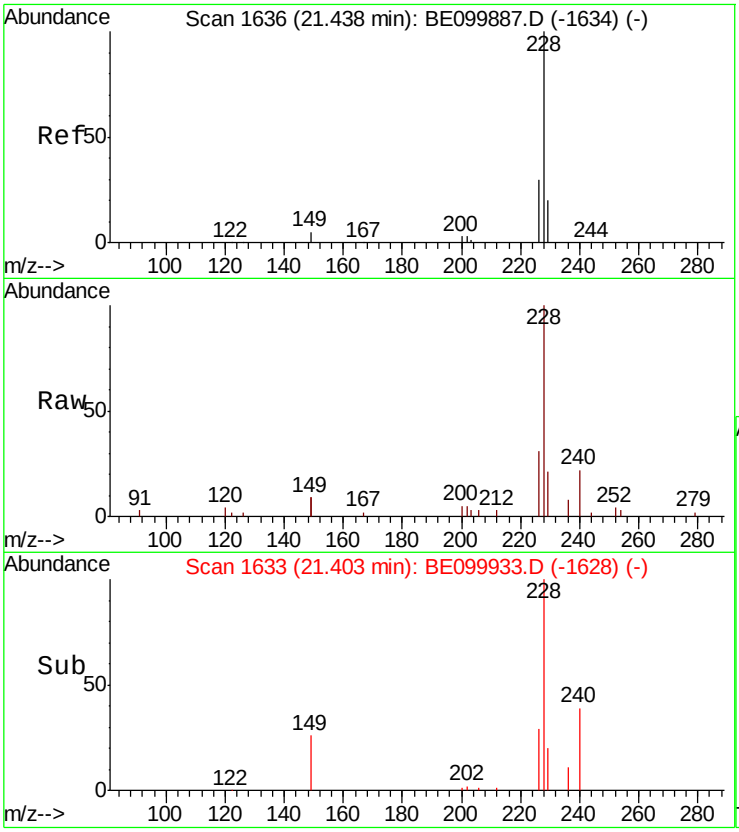


#30
Benzo(a)anthracene
Concen: 0.198 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.02 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:228 Resp: 4515

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.5	33.7
229	20.8	15.9	23.9

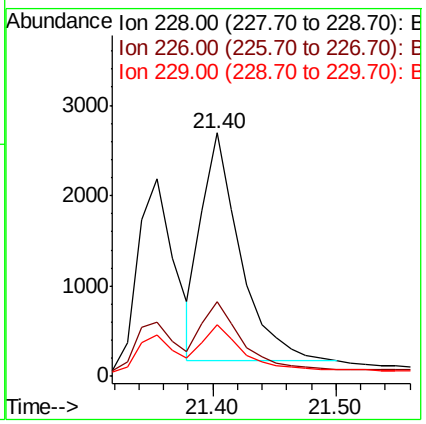




#31
Chrysene
Concen: 0.234 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.04 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:228 Resp: 5527

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	21.0	16.1	24.1



Instrument :
BNA_E
ClientSampleId :
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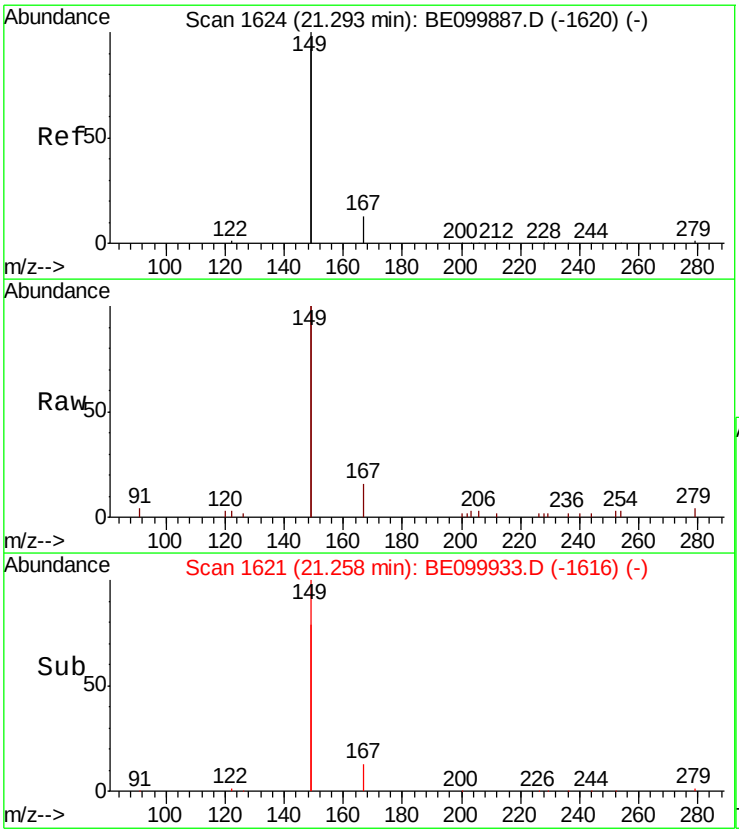
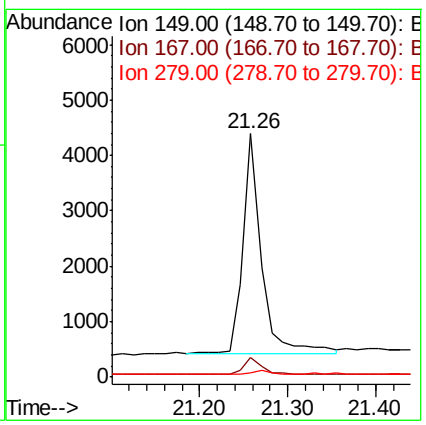
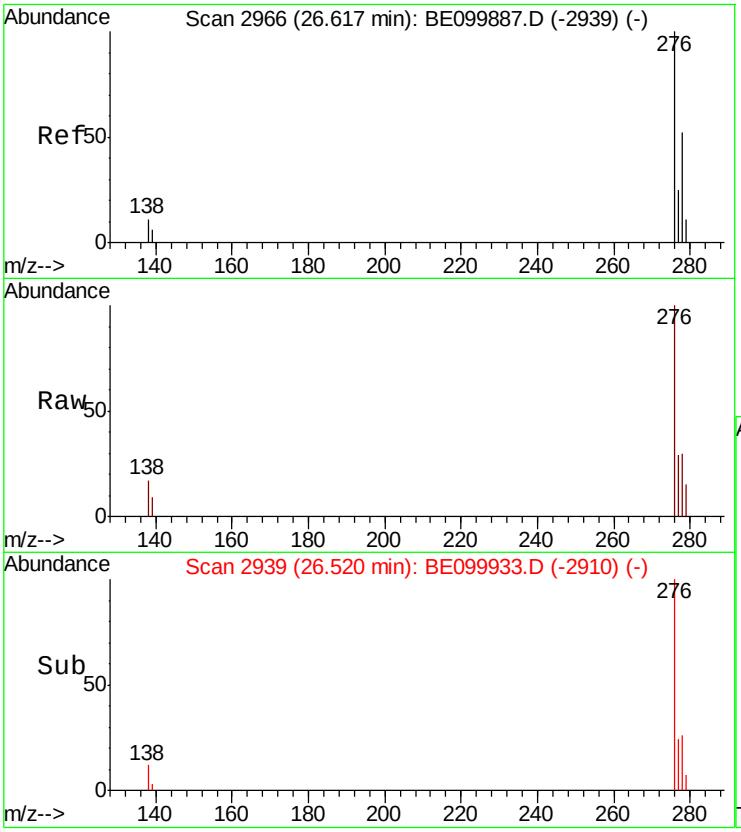


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.174 ng
RT: 21.26 min Scan# 1621
Delta R.T. -0.04 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:149 Resp: 5704

Ion	Ratio	Lower	Upper
149	100		
167	7.1	5.9	8.9
279	1.4	1.2	1.8





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.212 ng m
RT: 26.52 min Scan# 2939
Delta R.T. -0.10 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:276 Resp: 5941

Ion	Ratio	Lower	Upper
276	100		
138	4.8	10.1	15.1#
277	9.8	19.1	28.7#

Instrument :
BNA_E
ClientSampleId :
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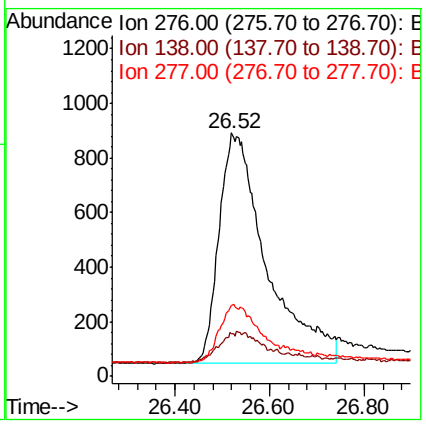
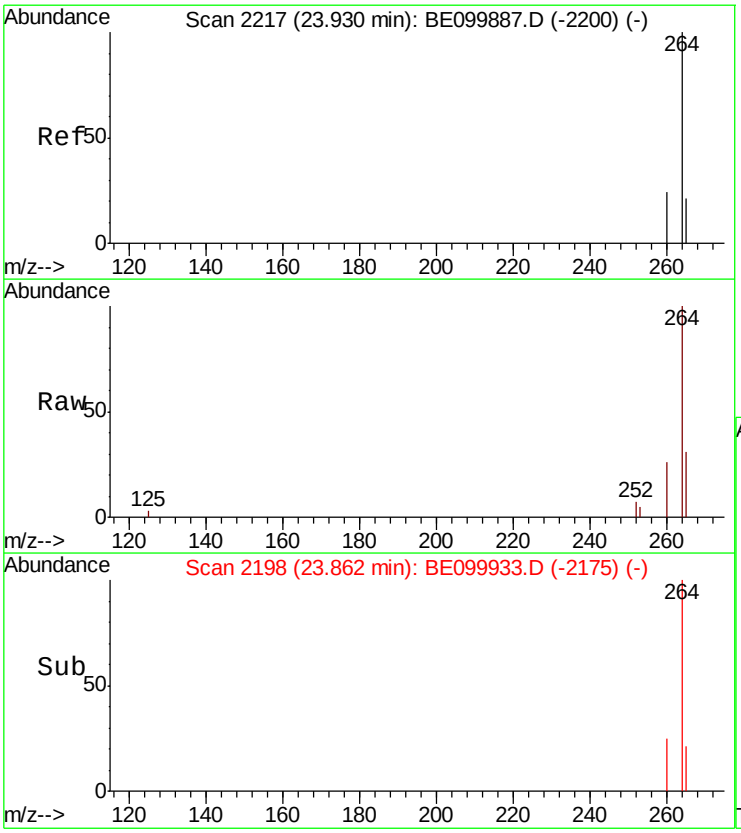
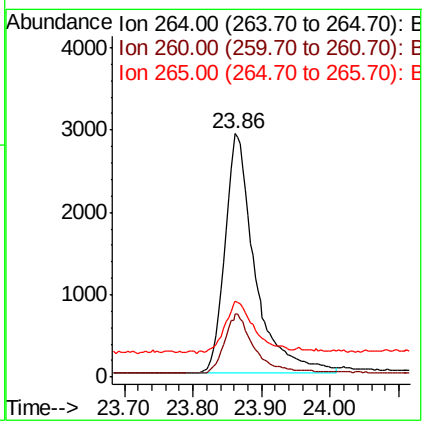


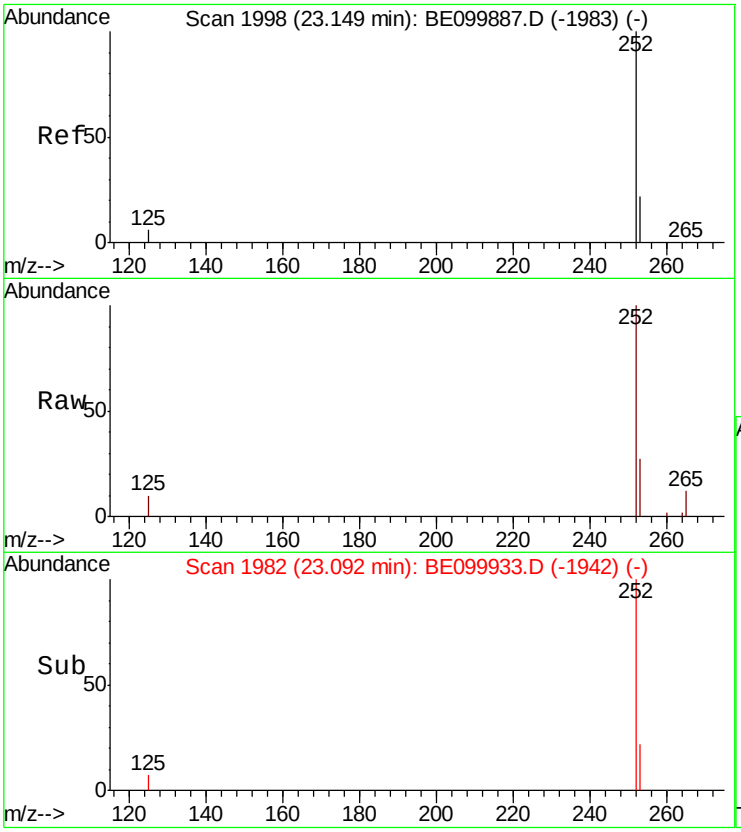


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2198
Delta R.T. -0.07 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:264 Resp: 8853

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.2	30.2
265	31.2	22.0	33.0





#35
Benzo(b)fluoranthene
Concen: 0.207 ng m
RT: 23.09 min Scan# 1982
Delta R.T. -0.06 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:252 Resp: 5126

Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.7	28.1
125	9.7	5.7	8.5#

Instrument :
BNA_E
ClientSampleId :
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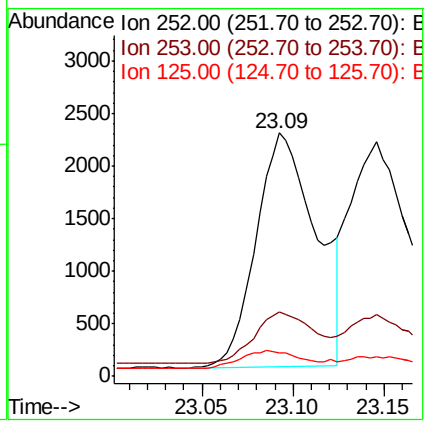
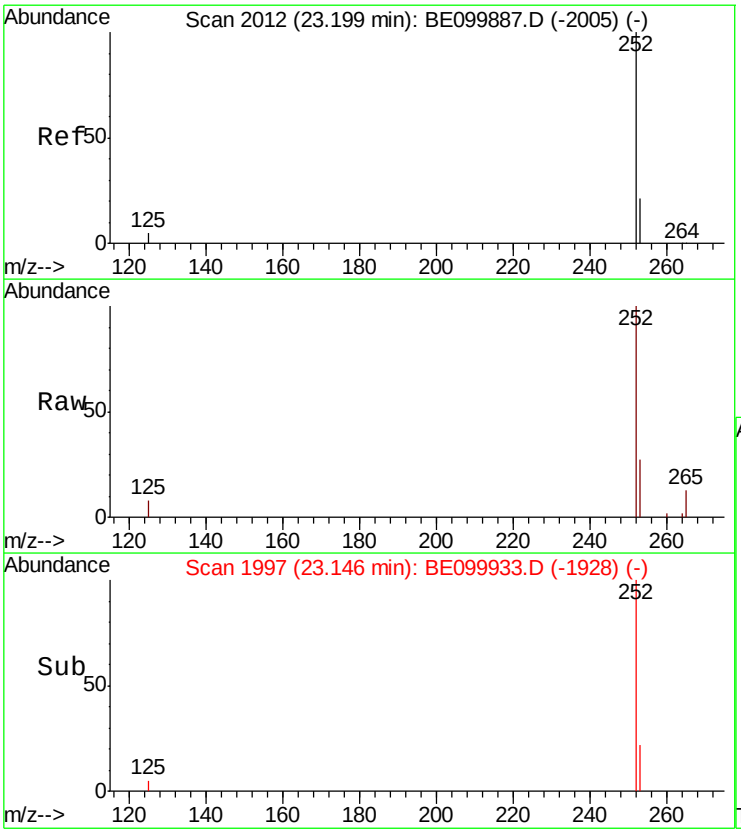
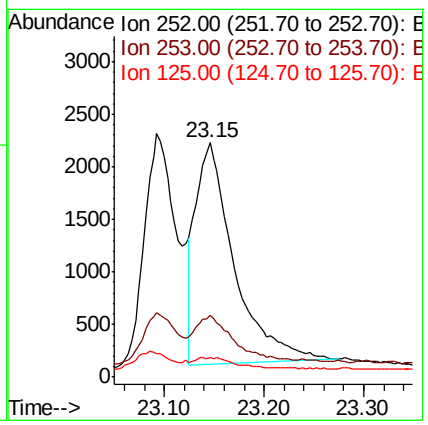


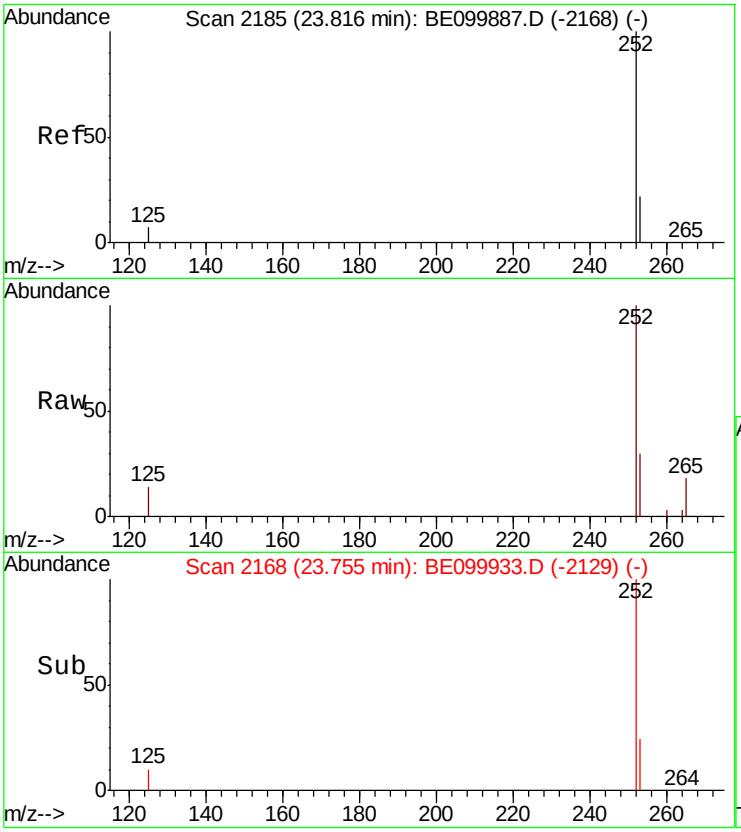


#36
Benzo(k)fluoranthene
Concen: 0.220 ng
RT: 23.15 min Scan# 1997
Delta R.T. -0.05 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:252 Resp: 5701

Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.6	28.0
125	8.2	5.4	8.0#





#37
Benzo(a)pyrene
Concen: 0.221 ng
RT: 23.76 min Scan# 2168
Delta R.T. -0.06 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:252 Resp: 5389

Ion	Ratio	Lower	Upper
252	100		
253	29.8	19.6	29.4#
125	14.3	6.6	10.0#

Instrument :
BNA_E
ClientSampleId :
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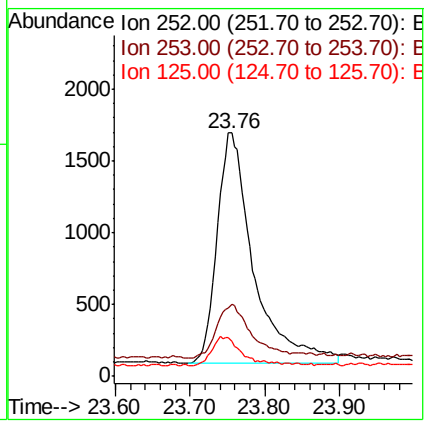
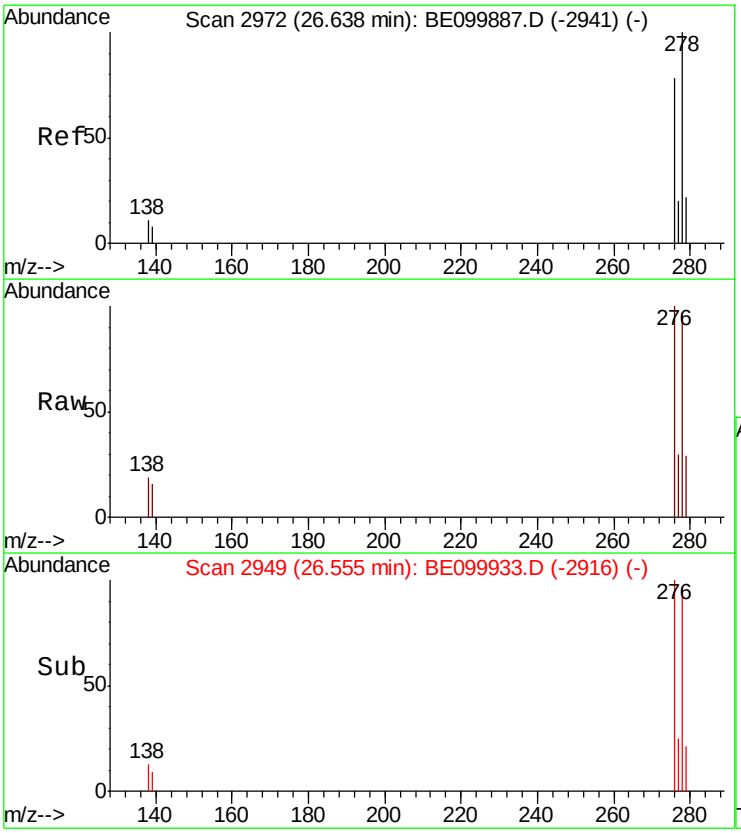
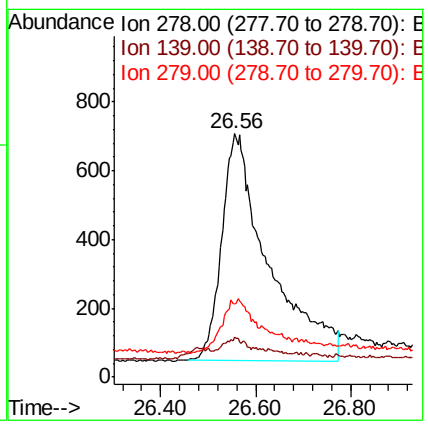


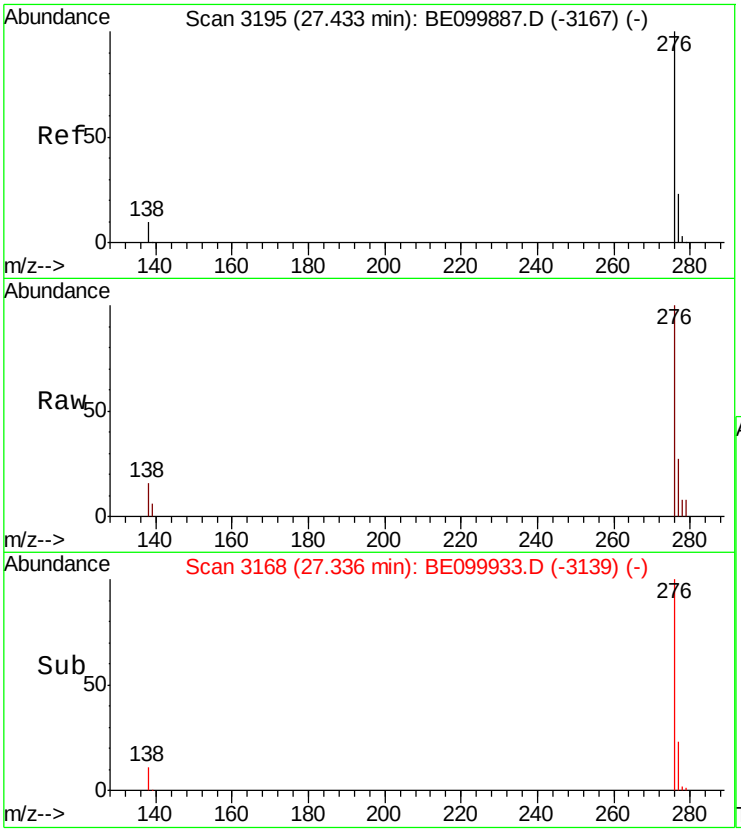


#38
Dibenzo(a,h)anthracene
Concen: 0.184 ng m
RT: 26.56 min Scan# 2949
Delta R.T. -0.08 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:278 Resp: 4535

Ion	Ratio	Lower	Upper
278	100		
139	16.5	7.8	11.8#
279	30.4	20.0	30.0#

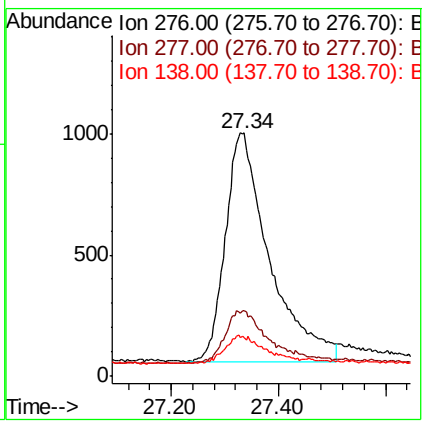




#39
Benzo(g,h,i)perylene
Concen: 0.213 ng
RT: 27.34 min Scan# 3168
Delta R.T. -0.10 min
Lab File: BE099933.D
Acq: 11 Jun 2019 20:32

Tgt Ion:276 Resp: 5405

Ion	Ratio	Lower	Upper
276	100		
277	26.9	19.5	29.3
138	16.0	9.5	14.3#



Instrument :
BNA_E
ClientSampleId :
LOQ-WATER-02-QT2-2019

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