Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060619\
Data File : BE099821.D
Acq On : 6 Jun 2019 14:45
Operator : JU/SJ
Sample : K3190-17MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304S-20190604MSD

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Quant Time: Jun 07 04:28:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 05 14:35:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1049	0.40	ng		0.01
7) Naphthalene-d8	10.63	136	3516	0.40	ng		0.01
13) Acenaphthene-d10	14.48	164	2435	0.40	ng		0.01
19) Phenanthrene-d10	17.23	188	9106	0.40	ng		0.00
27) Chrysene-d12	21.41	240	16417	0.40	ng		0.00
34) Perylene-d12	23.95	264	18741	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.38	112	485	0.19	ng		0.01
5) Phenol-d6	6.99	99	355	0.11	ng		0.03
8) Nitrobenzene-d5	8.98	82	1144	0.37	ng		0.01
11) 2-Methylnaphthalene-d10	12.22	152	2828	0.47	ng		0.01
14) 2,4,6-Tribromophenol	15.98	330	533	0.42	ng		0.00
15) 2-Fluorobiphenyl	13.12	172	3323	0.37	ng		0.01
25) Fluoranthene-d10	19.26	212	53943	0.40	ng		0.00
29) Terphenyl-d14	19.86	244	13015	0.48	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.28	88	470	0.309	ng	#	82
3) n-Nitrosodimethylamine	3.61	42	125	0.155	ng	#	60
6) bis(2-Chloroethyl)ether	7.24	93	1064	0.370	ng		97
9) Naphthalene	10.67	128	14595	0.389	ng		100
10) Hexachlorobutadiene	10.95	225	951	0.333	ng		97
12) 2-Methylnaphthalene	12.30	142	2160	0.361	ng		96
16) Acenaphthylene	14.21	152	4476	0.381	ng		98
17) Acenaphthene	14.54	154	2517	0.391	ng		99
18) Fluorene	15.53	166	3807	0.402	ng		100
20) 4-Bromophenyl-phenylether	16.43	248	1695	0.334	ng	#	84
21) Hexachlorobenzene	16.53	284	1921m	0.345	ng		
22) Pentachlorophenol	16.89	266	1111	0.887	ng		89
23) Phenanthrene	17.27	178	8418	0.387	ng		99
24) Anthracene	17.36	178	8542m	0.435	ng		
26) Fluoranthene	19.29	202	16274	0.427	ng		100
28) Pyrene	19.65	202	17284	0.436	ng		100
30) Benzo(a)anthracene	21.39	228	21084	0.465	ng		99
31) Chrysene	21.45	228	21367	0.426	ng		99
32) Bis(2-ethylhexyl)phthalate	21.30	149	23890	0.459	ng		100
33) Indeno(1,2,3-cd)pyrene	26.64	276	24188	0.403	ng		99
35) Benzo(b)fluoranthene	23.16	252	20687	0.399	ng	#	97
36) Benzo(k)fluoranthene	23.22	252	22931	0.416	ng		100
37) Benzo(a)pyrene	23.83	252	20834	0.414	ng	#	93
38) Dibenzo(a,h)anthracene	26.67	278	19149	0.374	ng		97
39) Benzo(g,h,i)perylene	27.47	276	21196	0.394	ng		99

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

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QLast Update : Wed Jun 05 14:35:58 2019
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304S-20190604MSD

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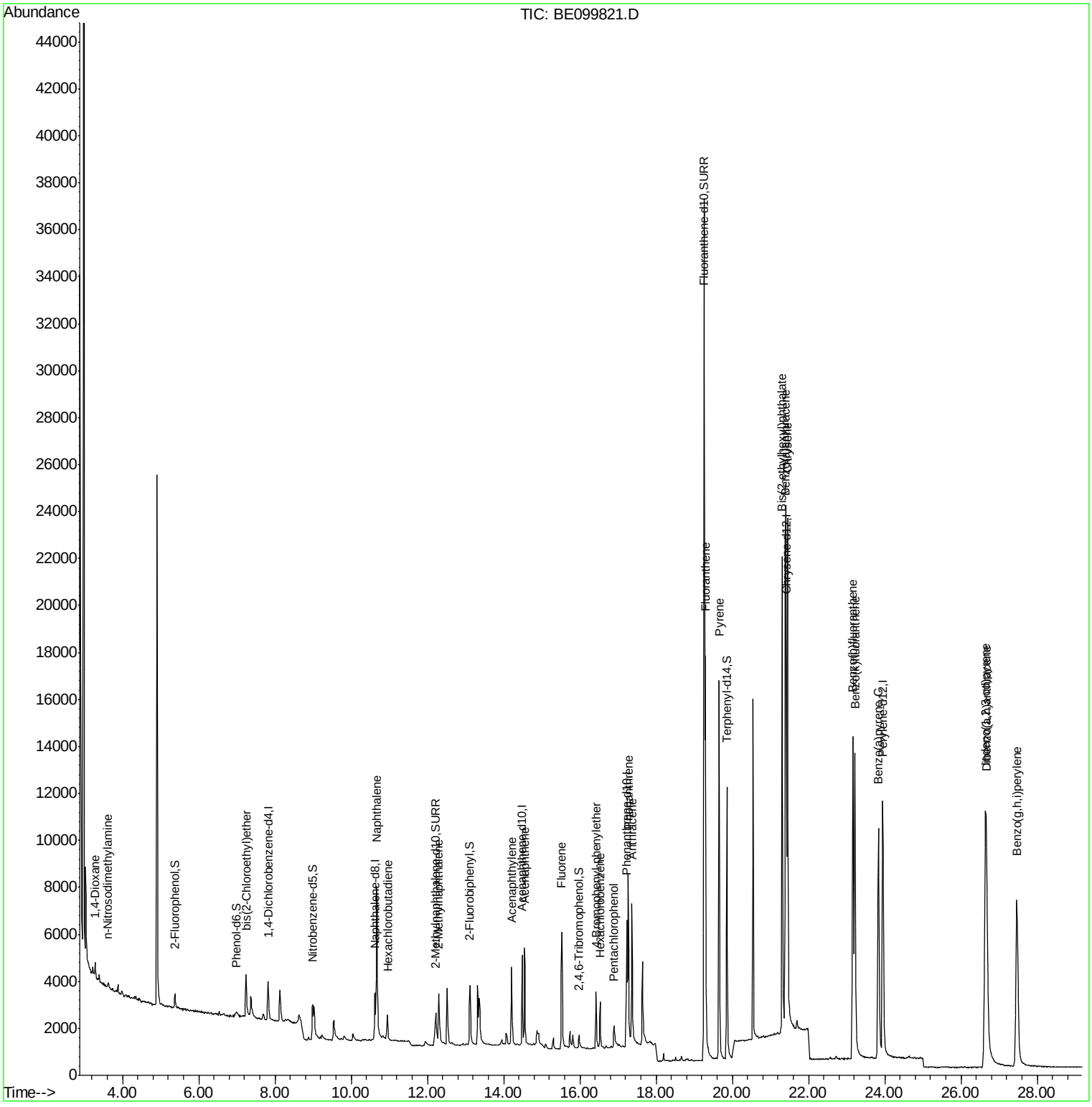
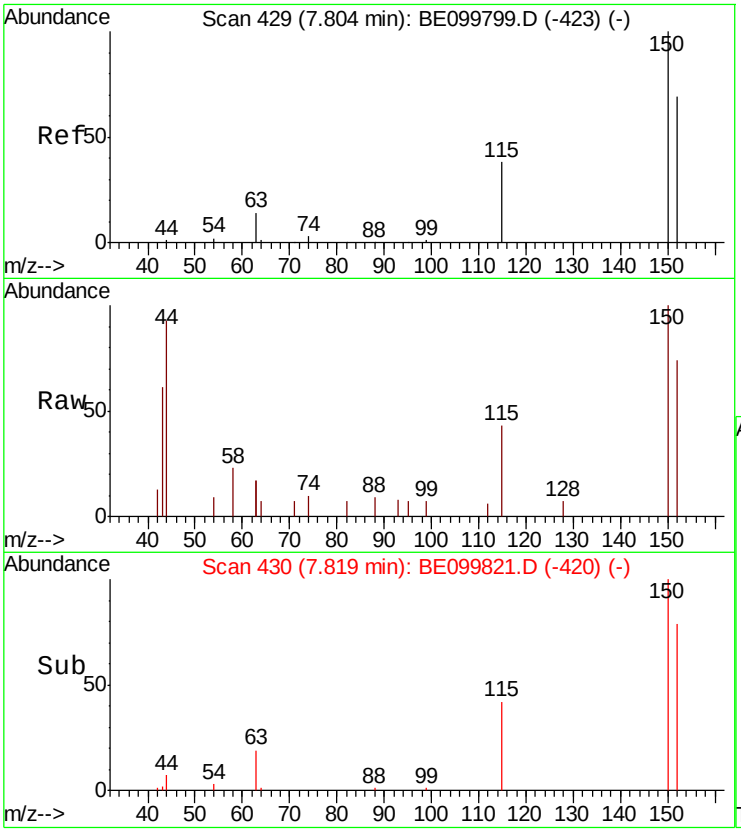
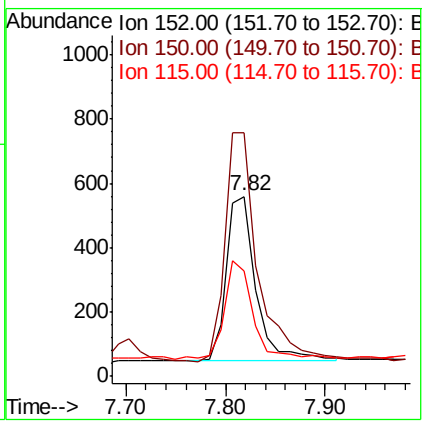




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:152 Resp: 1049

Ion	Ratio	Lower	Upper
152	100		
150	135.4	112.8	169.2
115	58.9	47.6	71.4



Instrument :
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ClientSampleId :
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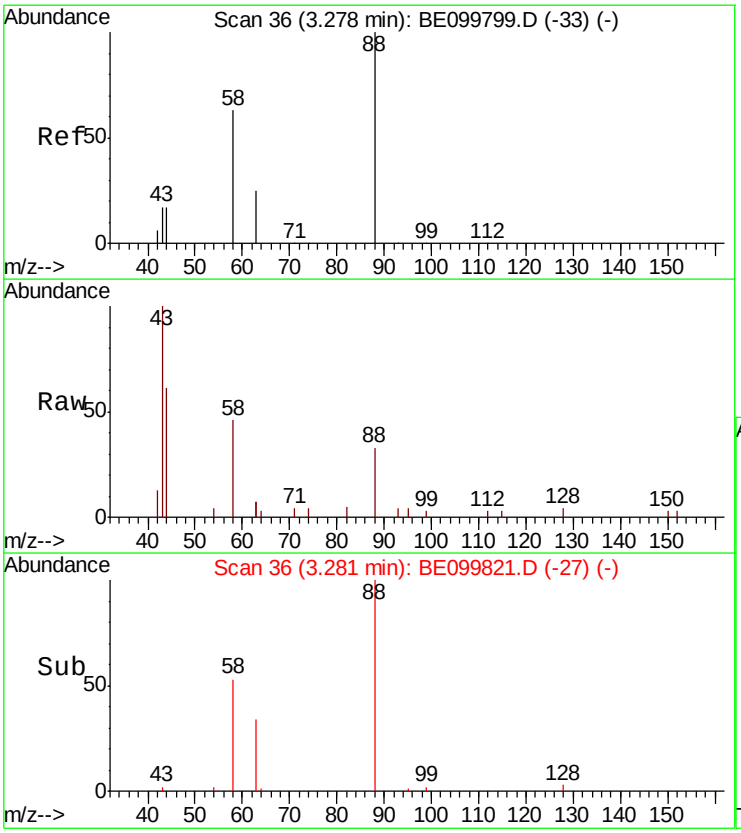
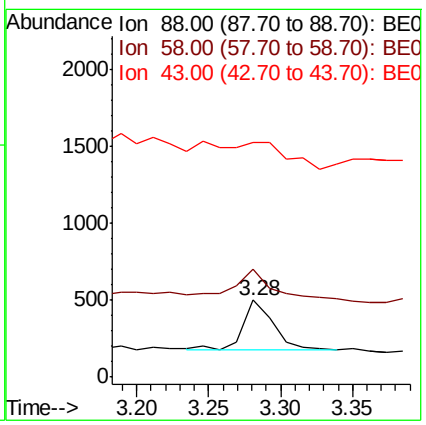
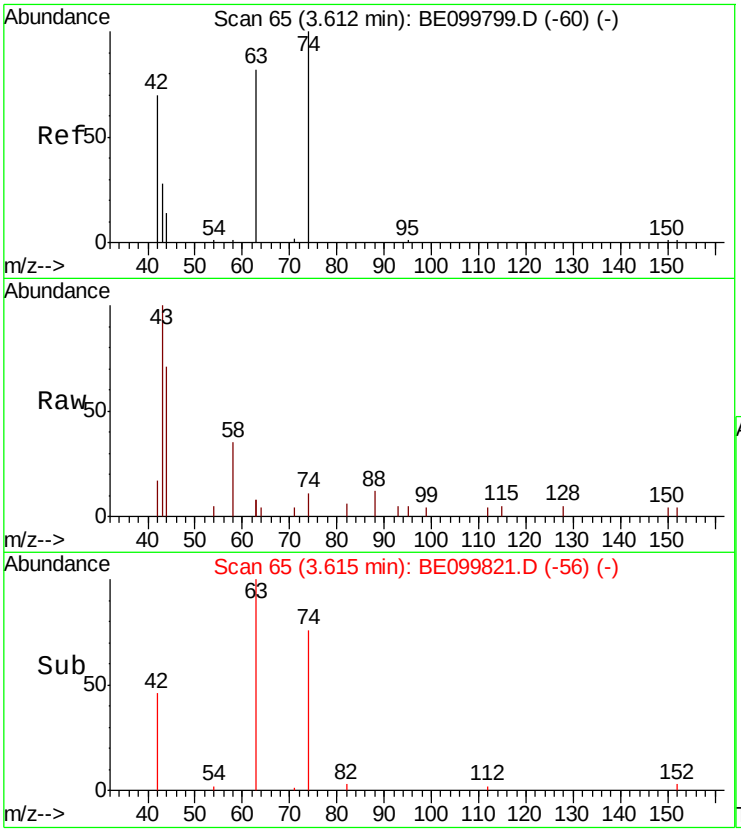


#2
1,4-Dioxane
Concen: 0.309 ng
RT: 3.28 min Scan# 36
Delta R.T. 0.00 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion: 88 Resp: 470

Ion	Ratio	Lower	Upper
88	100		
58	64.0	47.3	70.9
43	0.0	18.2	27.4#





#3
n-Nitrosodimethylamine
Concen: 0.155 ng
RT: 3.61 min Scan# 65
Delta R.T. 0.00 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion: 42 Resp: 125

Ion	Ratio	Lower	Upper
42	100		
74	219.2	132.6	198.8#
44	0.0	13.4	20.0#

Instrument :
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ClientSampleId :
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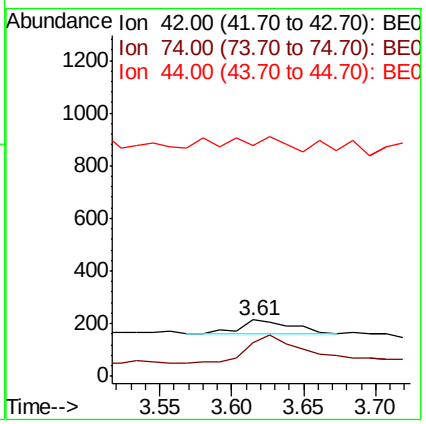
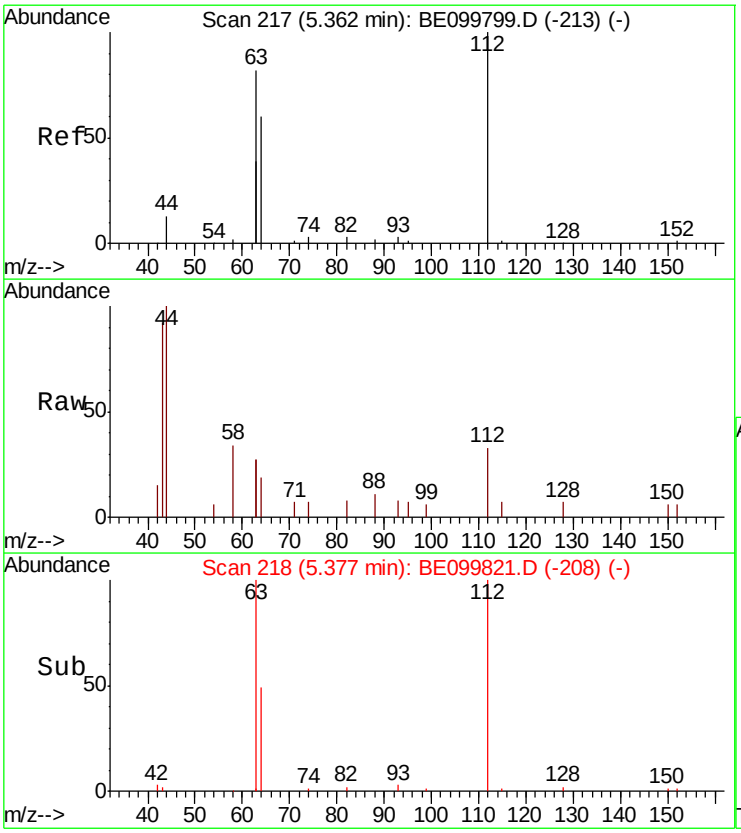
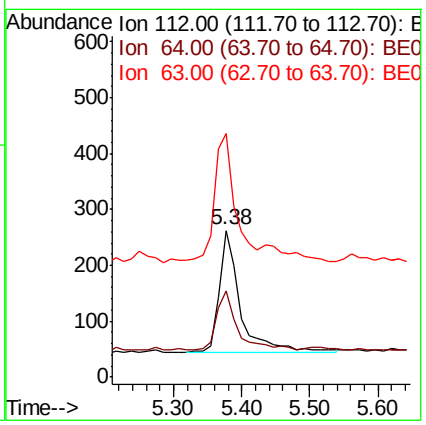


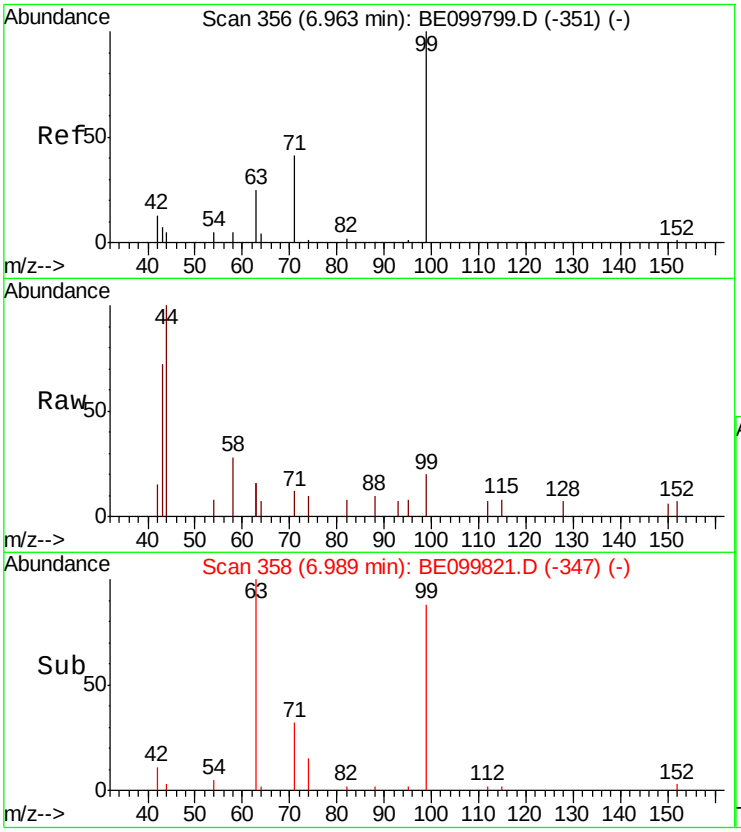


#4
2-Fluorophenol
Concen: 0.190 ng
RT: 5.38 min Scan# 218
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:112 Resp: 485

Ion	Ratio	Lower	Upper
112	100		
64	46.4	47.2	70.8#
63	114.8	90.7	136.1

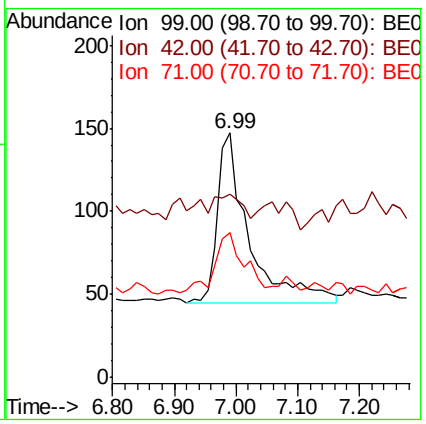




#5
Phenol-d6
Concen: 0.108 ng
RT: 6.99 min Scan# 358
Delta R.T. 0.03 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion: 99 Resp: 355

Ion	Ratio	Lower	Upper
99	100		
42	11.0	11.0	16.4
71	32.7	26.1	39.1



Instrument :
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ClientSampleId :
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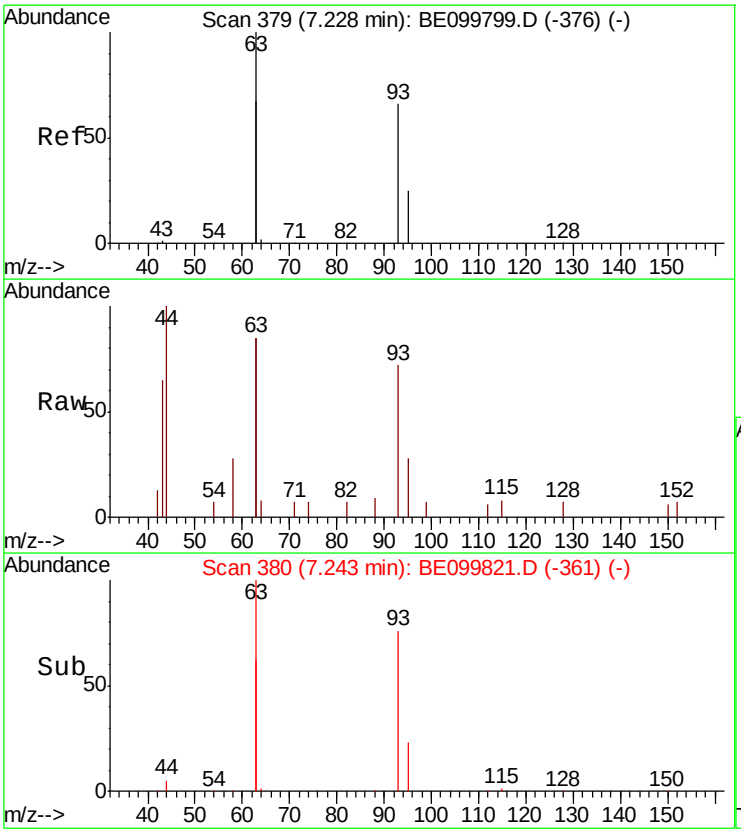
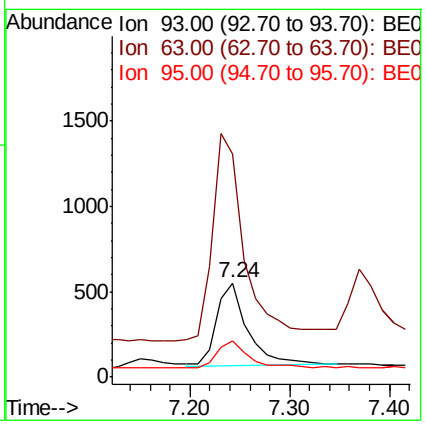
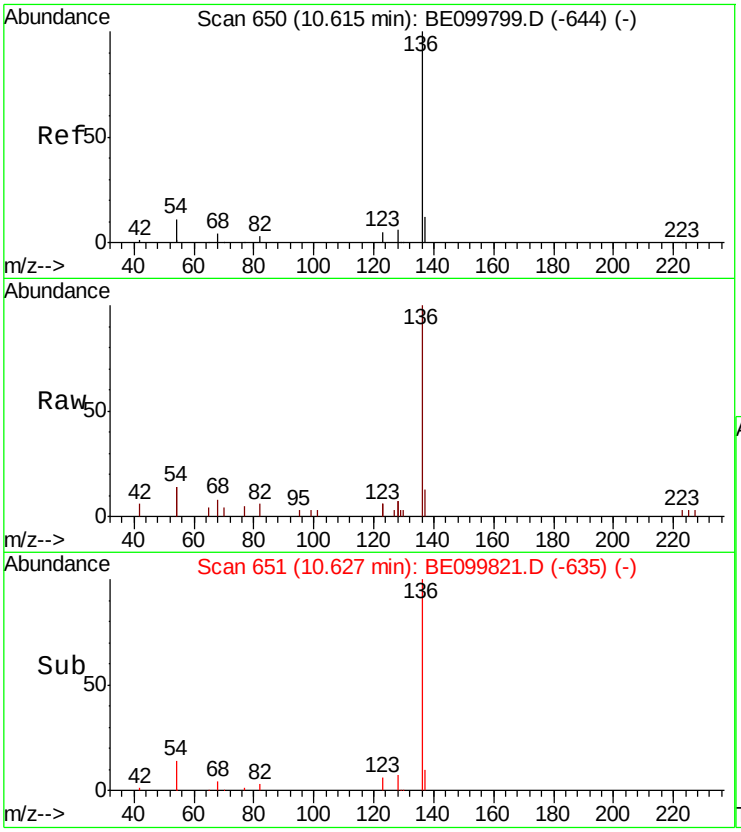


#6
bis(2-Chloroethyl)ether
Concen: 0.370 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion: 93 Resp: 1064

Ion	Ratio	Lower	Upper
93	100		
63	266.0	208.8	313.2
95	34.8	27.6	41.4

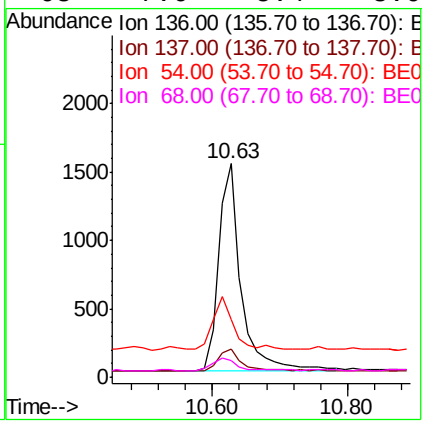




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:136 Resp: 3516

Ion	Ratio	Lower	Upper
136	100		
137	13.1	11.1	16.7
54	27.0	17.9	26.9#
68	7.6	5.4	8.0



Instrument :
BNA_E
ClientSampleId :
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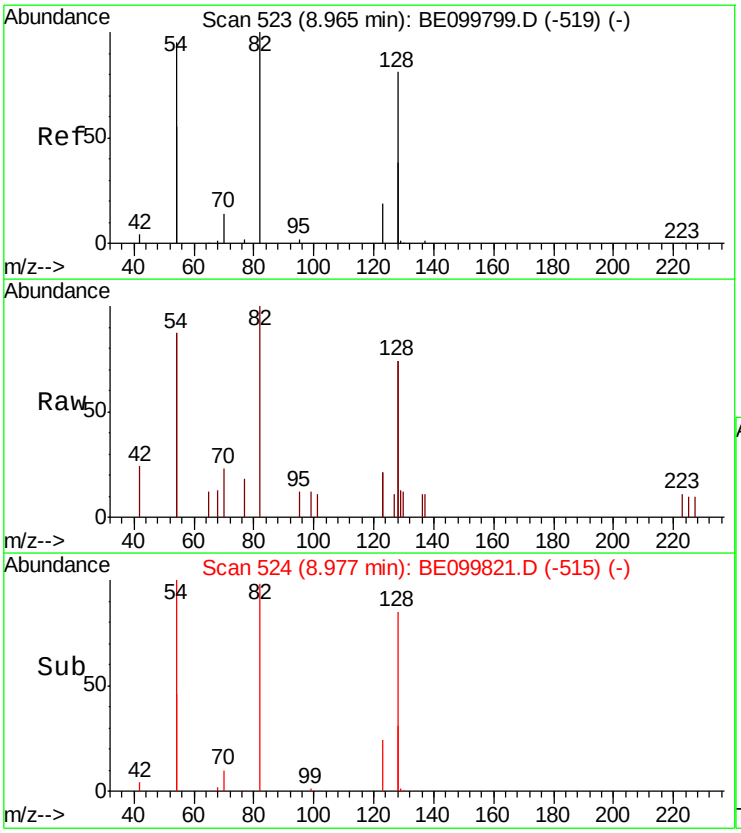
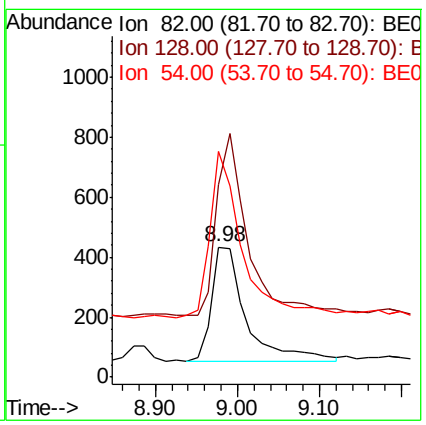
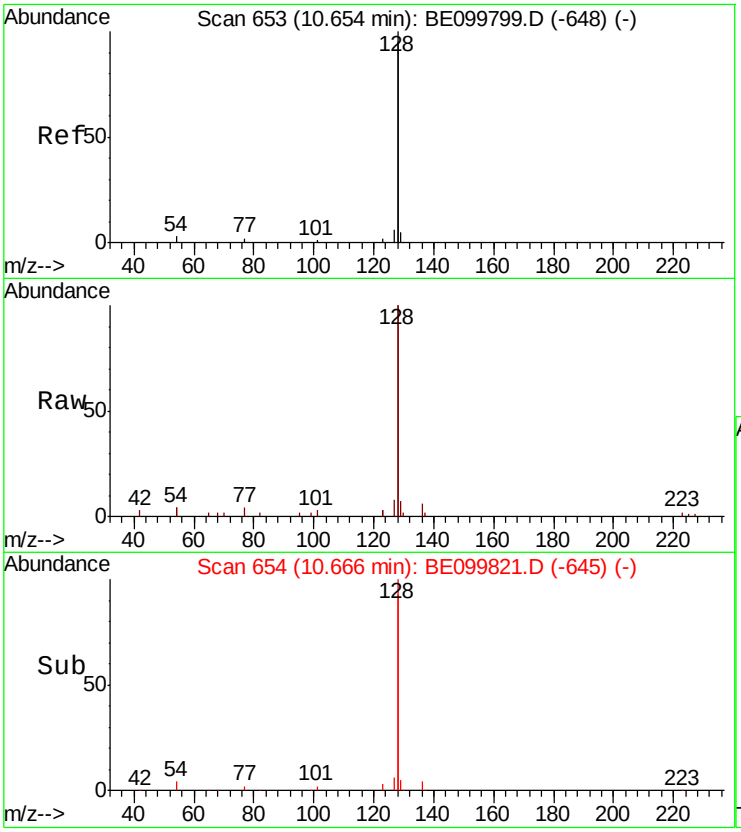


#8
Nitrobenzene-d5
Concen: 0.370 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion: 82 Resp: 1144

Ion	Ratio	Lower	Upper
82	100		
128	147.8	116.6	175.0
54	173.7	136.2	204.4

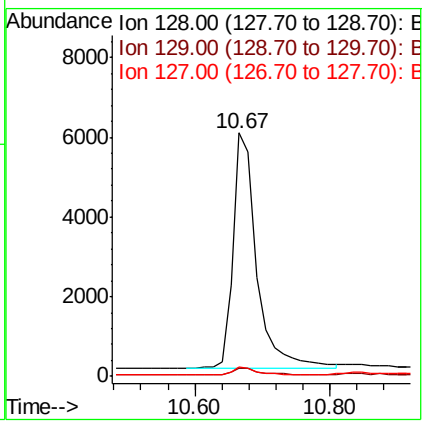




#9
Naphthalene
Concen: 0.389 ng
RT: 10.67 min Scan# 654
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:128 Resp: 14595

Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.6	4.0
127	4.0	3.0	4.6



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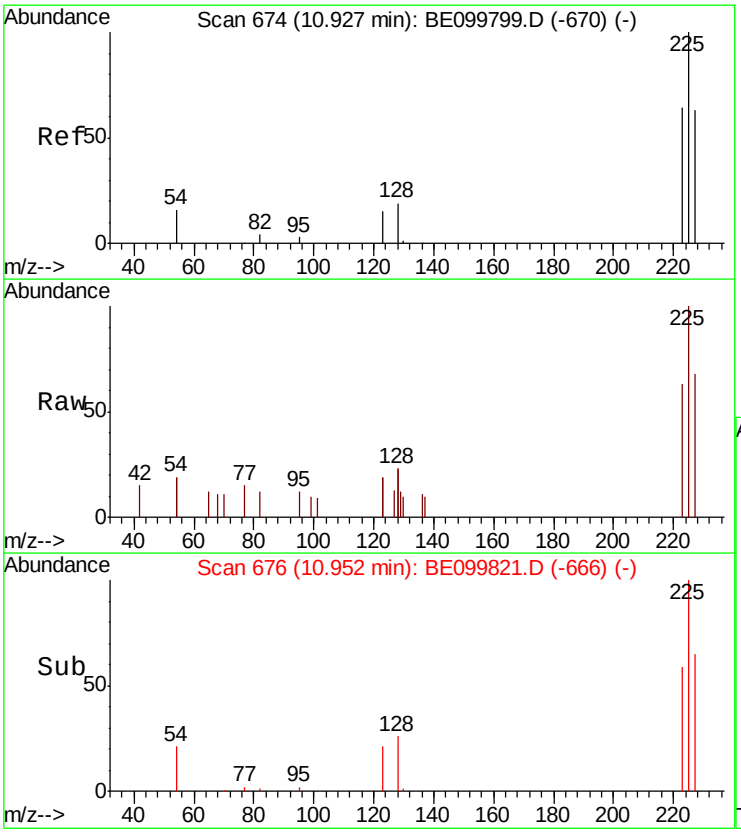
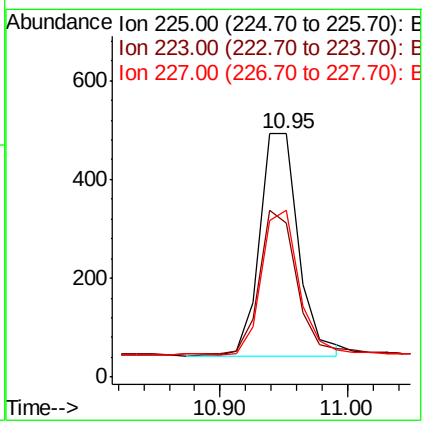
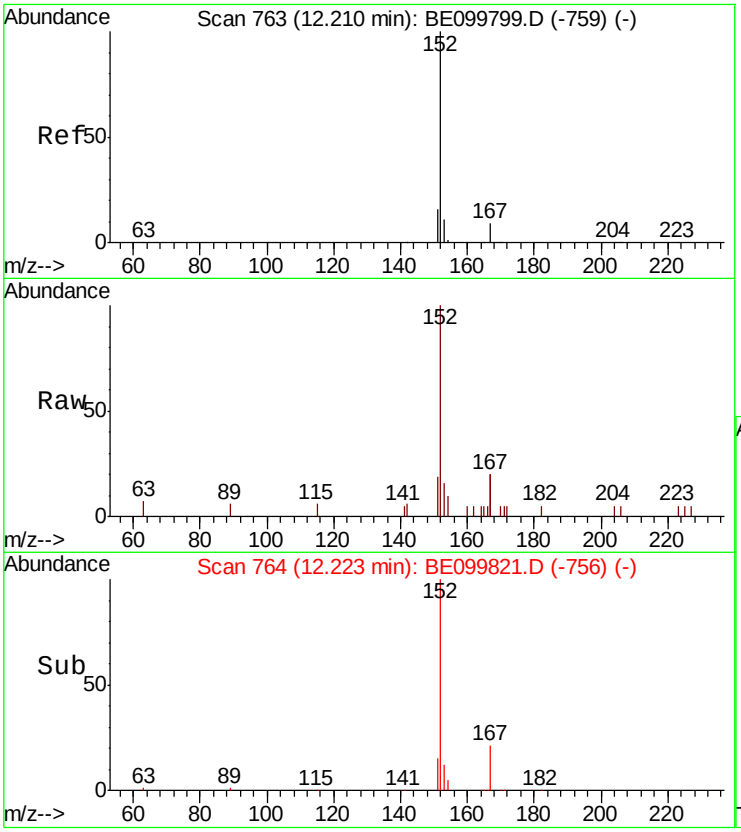


#10
Hexachlorobutadiene
Concen: 0.333 ng
RT: 10.95 min Scan# 676
Delta R.T. 0.03 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:225 Resp: 951

Ion	Ratio	Lower	Upper
225	100		
223	63.4	48.6	72.8
227	62.3	51.6	77.4





#11
2-Methylnaphthalene-d10
Concen: 0.468 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:152 Resp: 2828

Ion	Ratio	Lower	Upper
152	100		
151	14.1	15.8	23.8#

Instrument :
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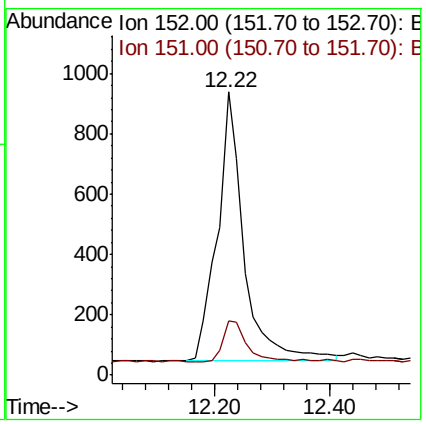
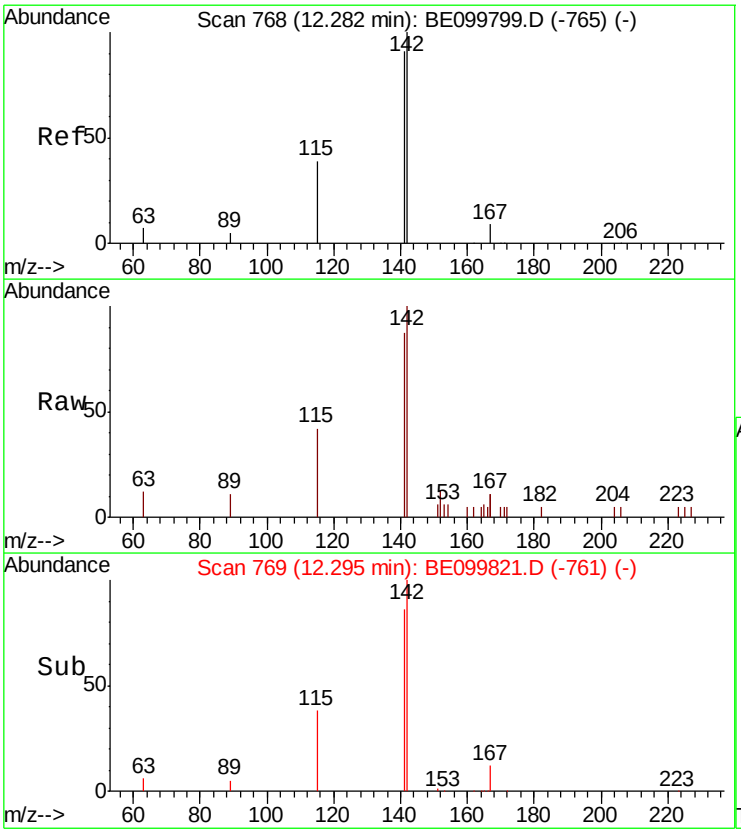
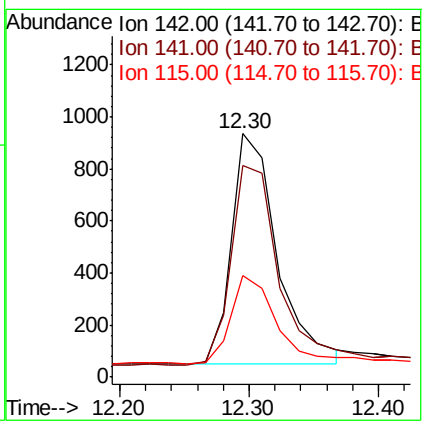


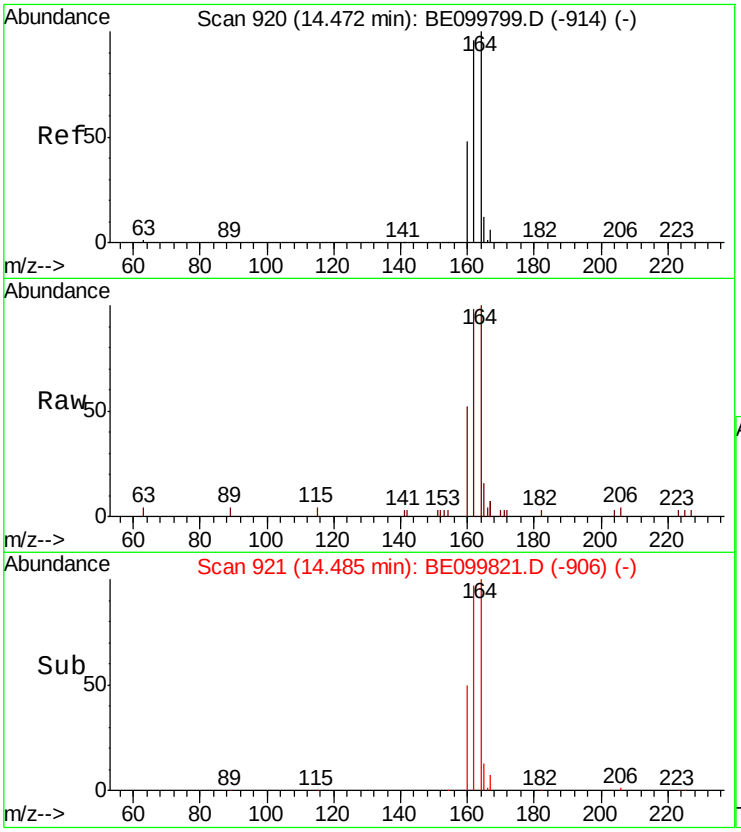


#12
2-Methylnaphthalene
Concen: 0.361 ng
RT: 12.30 min Scan# 769
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:142 Resp: 2160

Ion	Ratio	Lower	Upper
142	100		
141	86.6	73.3	109.9
115	41.8	33.4	50.2

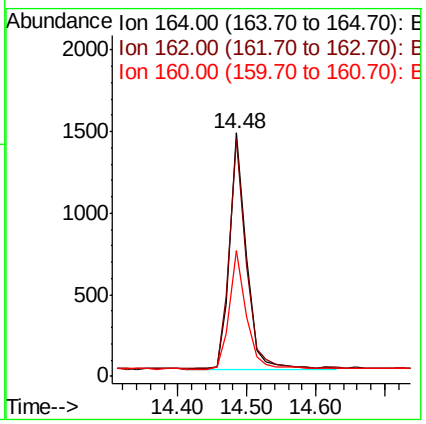




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:164 Resp: 2435

Ion	Ratio	Lower	Upper
164	100		
162	97.5	77.2	115.8
160	51.7	39.4	59.2



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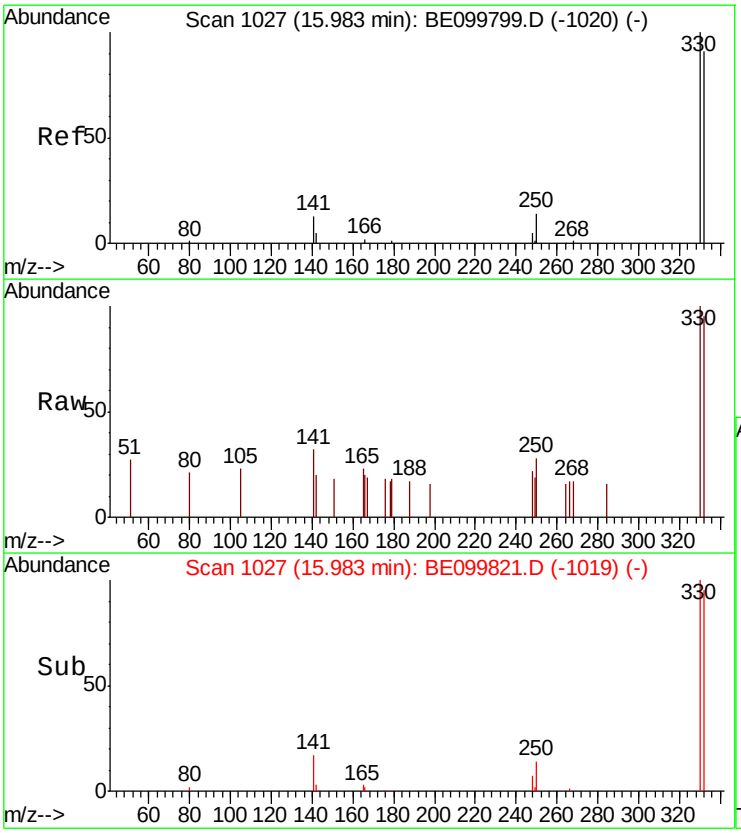
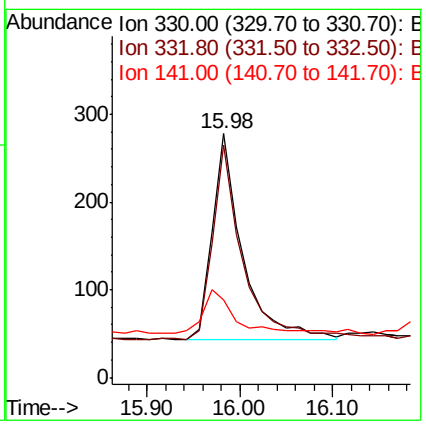
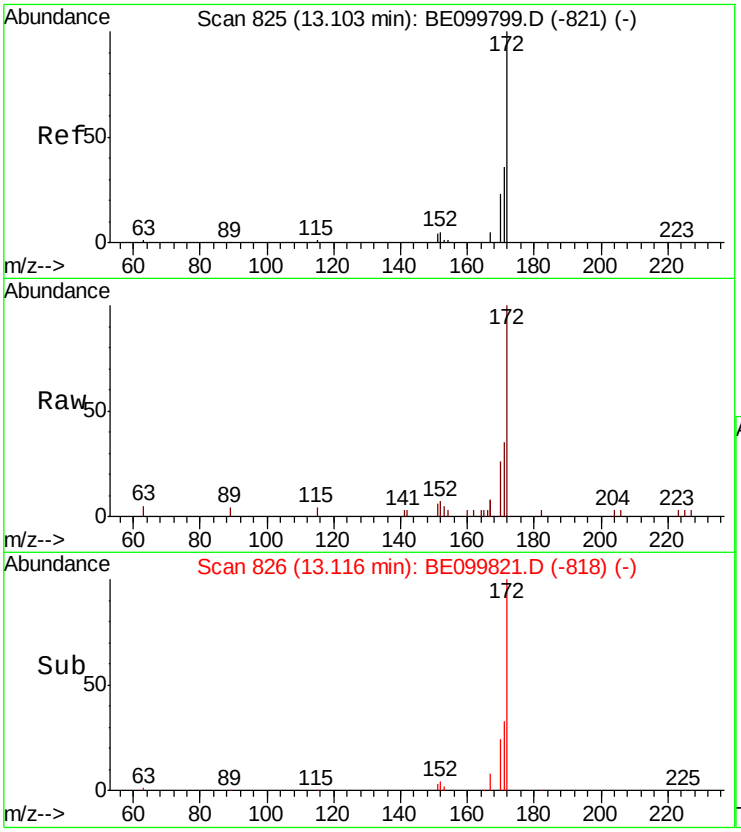


#14
2,4,6-Tribromophenol
Concen: 0.421 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:330 Resp: 533

Ion	Ratio	Lower	Upper
330	100		
332	97.4	74.9	112.3
141	21.2	16.0	24.0

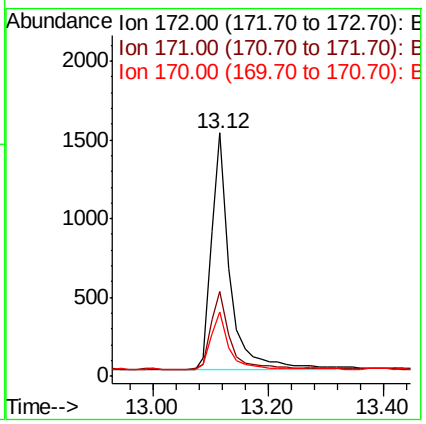




#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:172 Resp: 3323

Ion	Ratio	Lower	Upper
172	100		
171	34.8	30.2	45.4
170	26.4	20.1	30.1



Instrument :
BNA_E
ClientSampleId :
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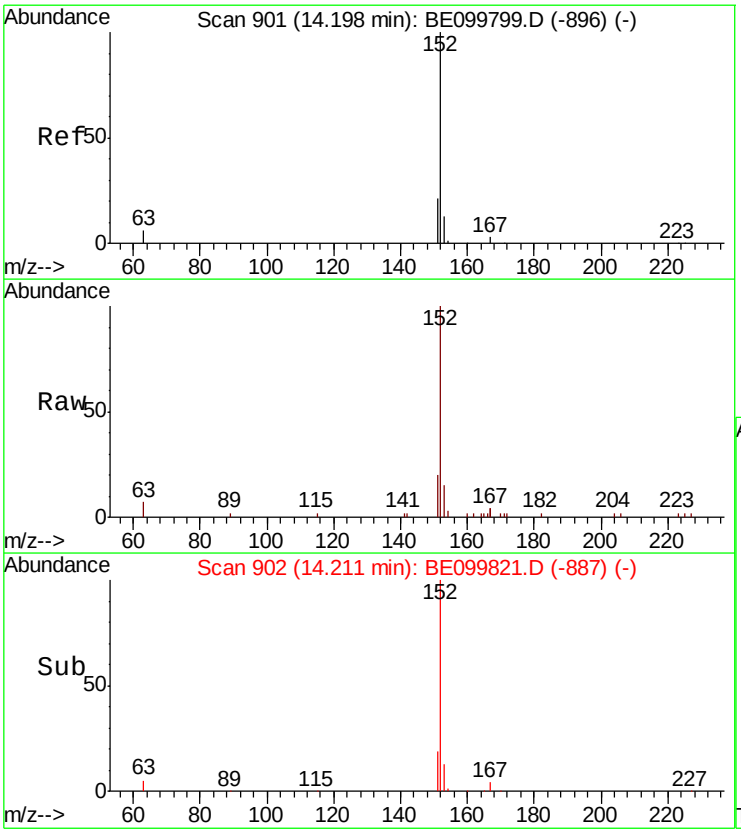
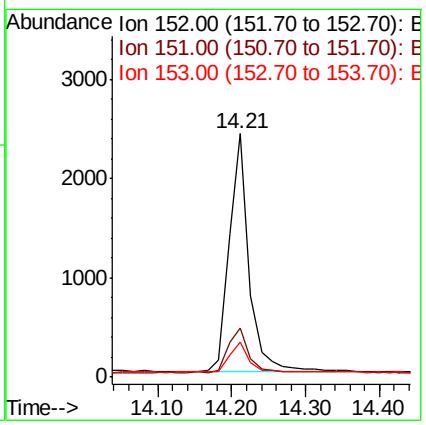
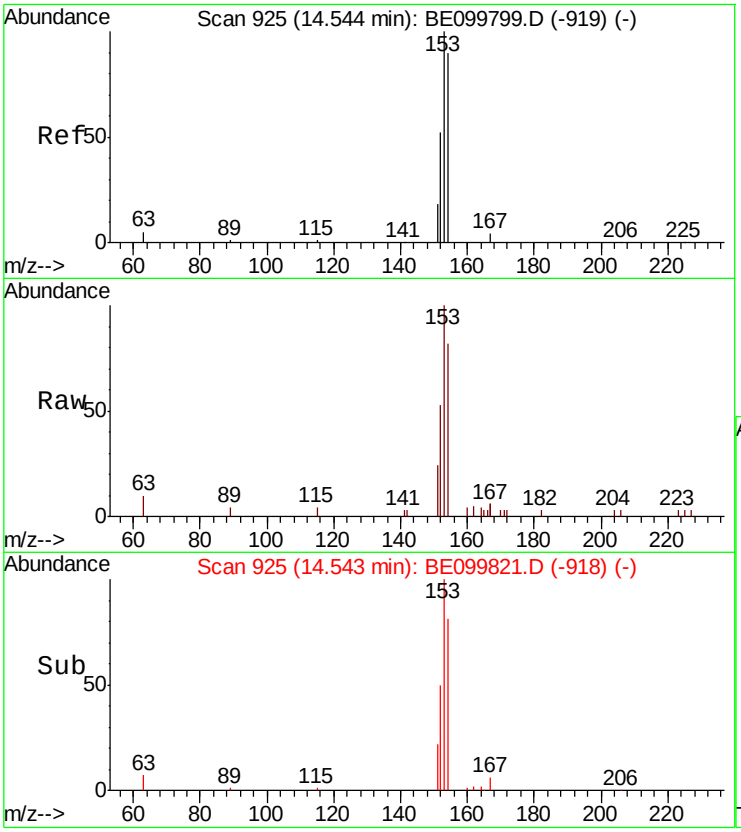


#16
Acenaphthylene
Concen: 0.381 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:152 Resp: 4476

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.9	23.9
153	12.6	10.8	16.2

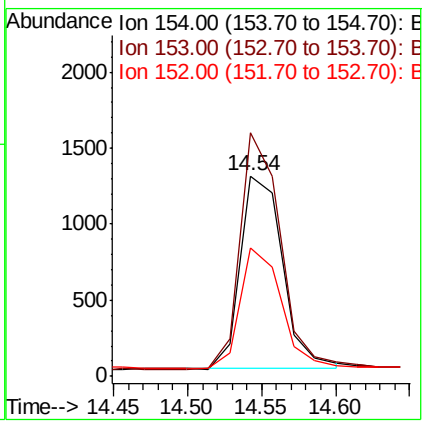




#17
Acenaphthene
Concen: 0.391 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:154 Resp: 2517

Ion	Ratio	Lower	Upper
154	100		
153	116.2	93.8	140.6
152	61.2	48.3	72.5



Instrument :
BNA_E
ClientSampleId :
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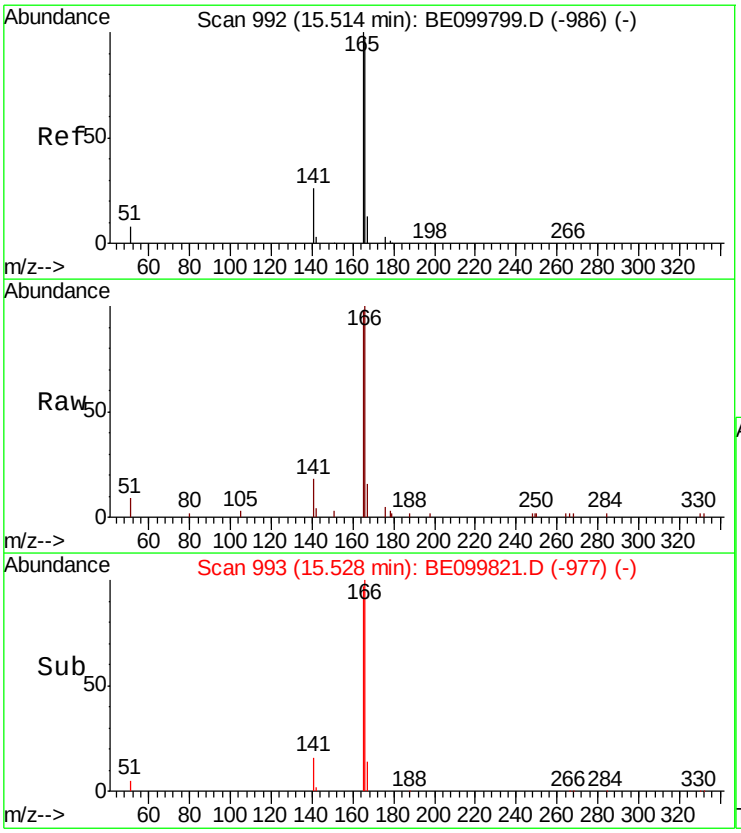
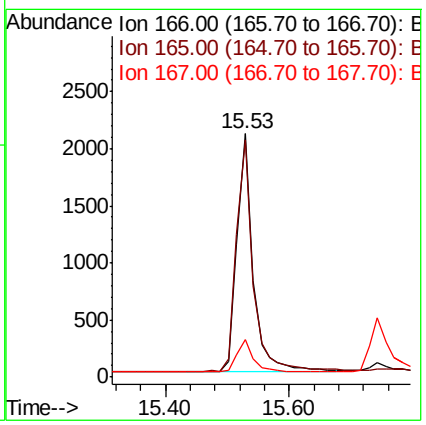
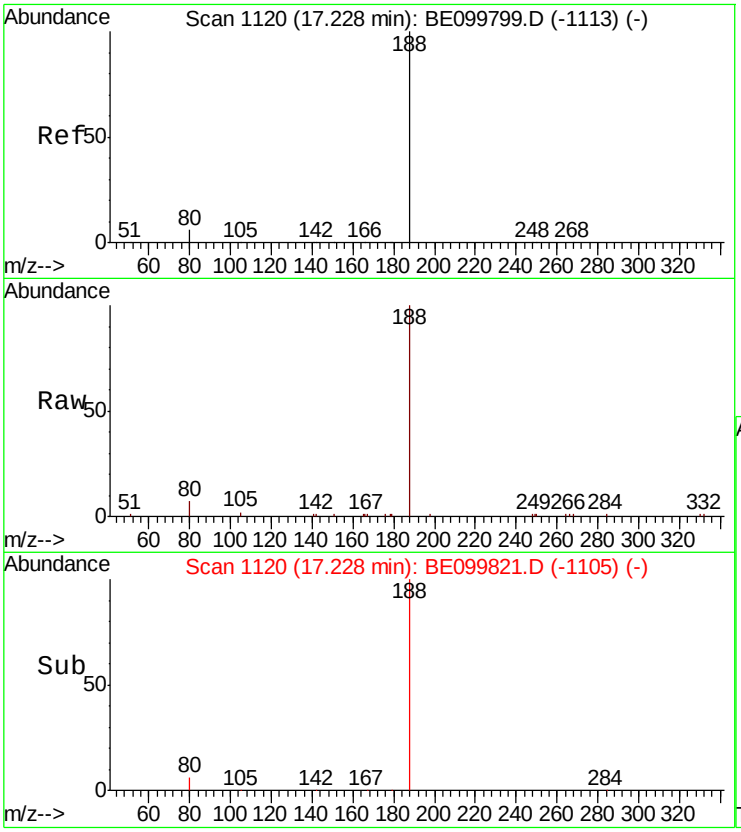


#18
Fluorene
Concen: 0.402 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:166 Resp: 3807

Ion	Ratio	Lower	Upper
166	100		
165	100.3	80.4	120.6
167	13.2	10.7	16.1

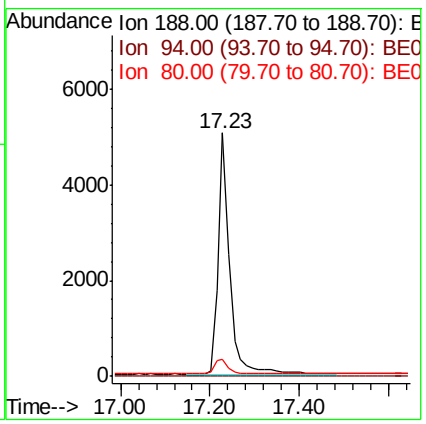




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:188 Resp: 9106

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.3	5.2	7.8



Instrument :
BNA_E
ClientSampleId :
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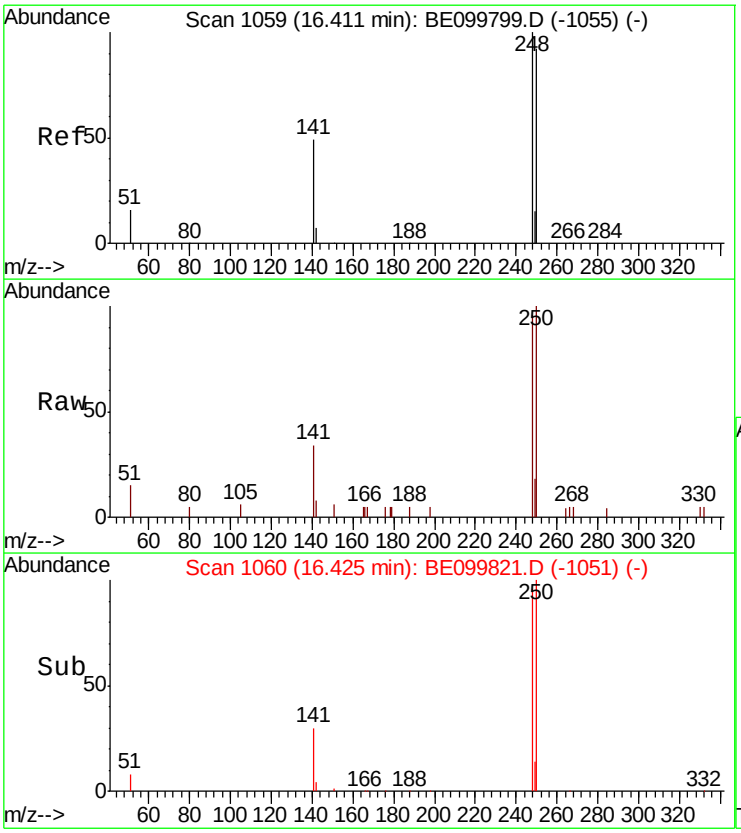
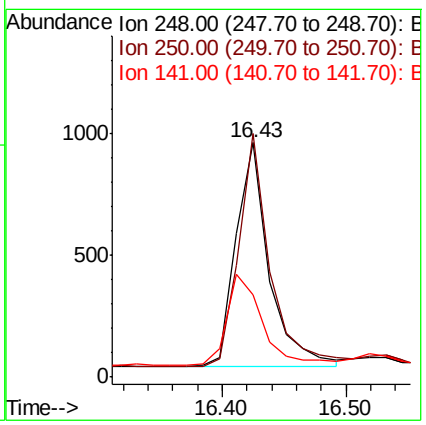
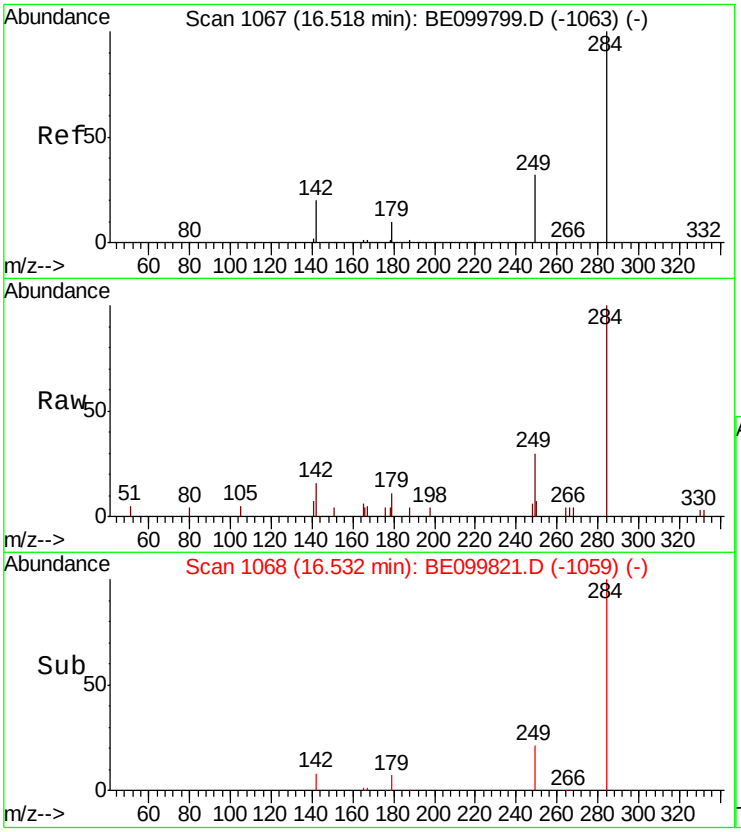


#20
4-Bromophenyl-phenylether
Concen: 0.334 ng
RT: 16.43 min Scan# 1060
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:248 Resp: 1695

Ion	Ratio	Lower	Upper
248	100		
250	103.8	73.7	110.5
141	34.9	40.9	61.3#

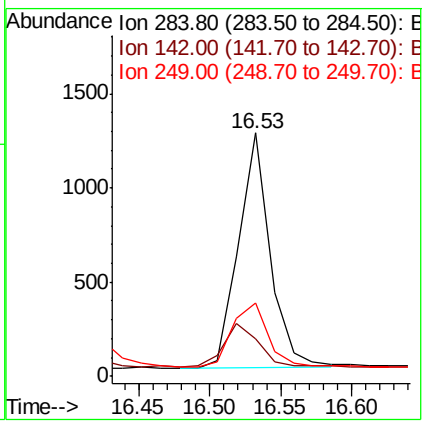




#21
Hexachlorobenzene
Concen: 0.345 ng m
RT: 16.53 min Scan# 1068
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:284 Resp: 1921

Ion	Ratio	Lower	Upper
284	100		
142	20.2	16.2	24.4
249	29.9	23.1	34.7



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304S-20190604MSD

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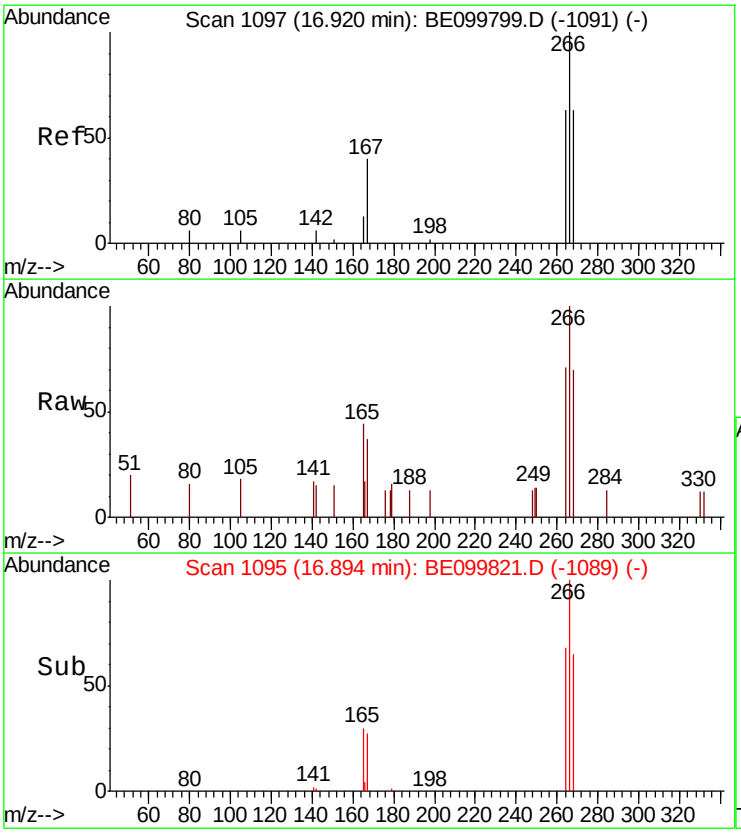
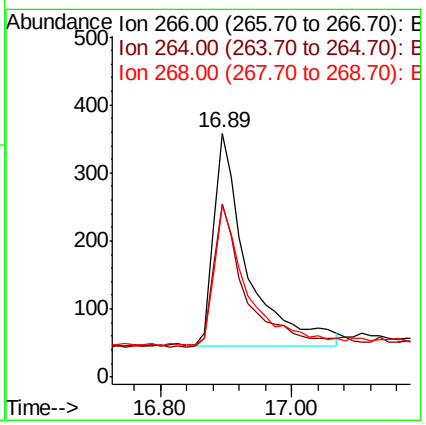
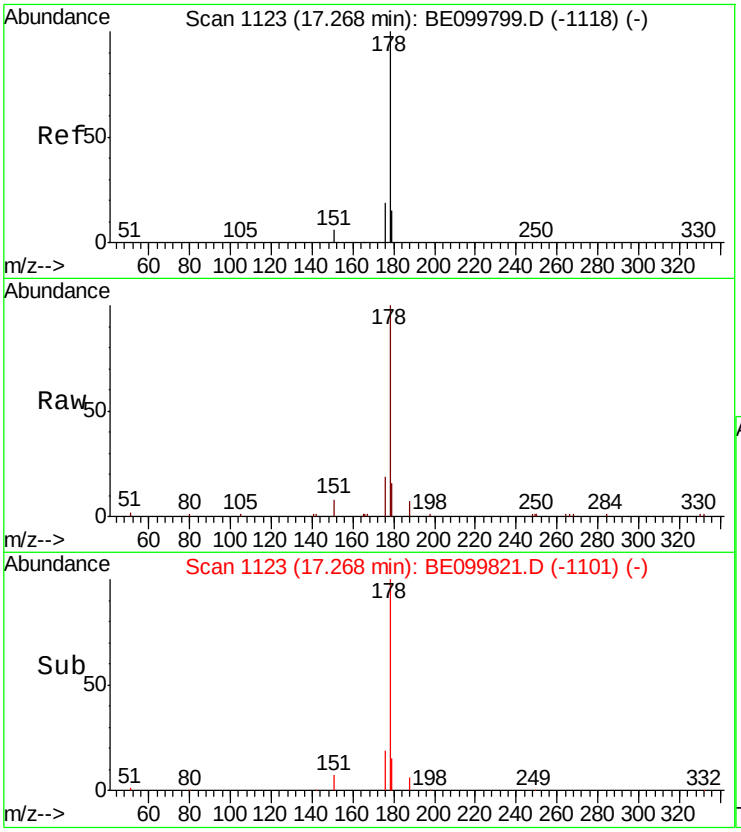


#22
Pentachlorophenol
Concen: 0.887 ng
RT: 16.89 min Scan# 1095
Delta R.T. -0.03 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:266 Resp: 1111

Ion	Ratio	Lower	Upper
266	100		
264	70.9	64.9	97.3
268	70.4	64.0	96.0

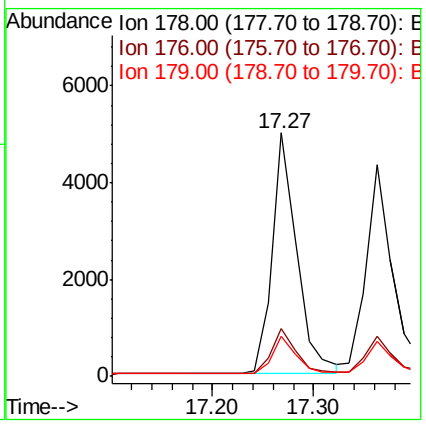




#23
Phenanthrene
Concen: 0.387 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:178 Resp: 8418

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.4	12.5	18.7



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304S-20190604MSD

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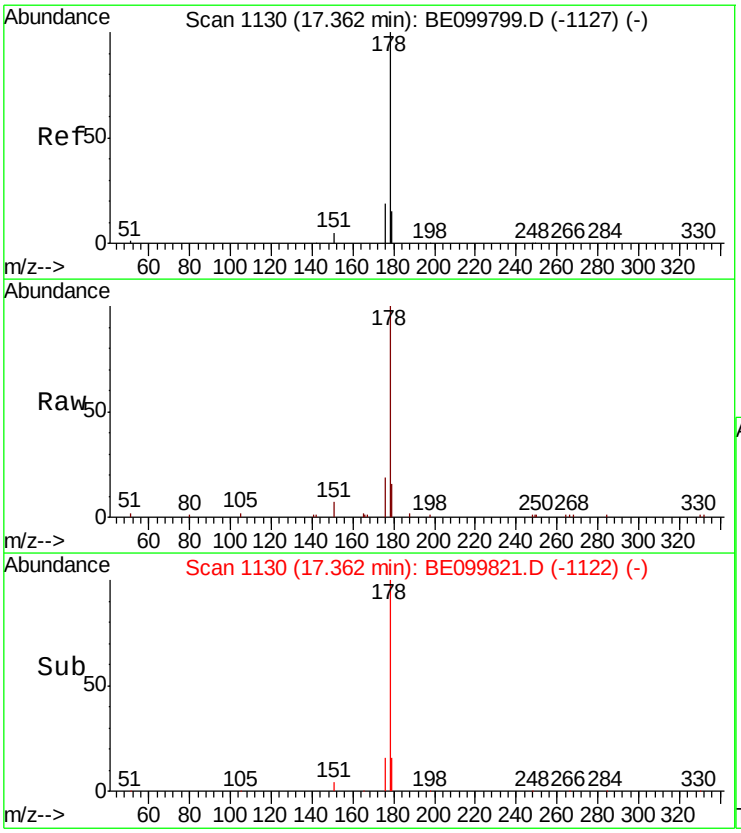
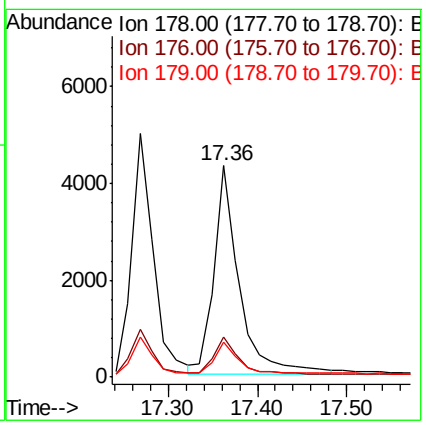
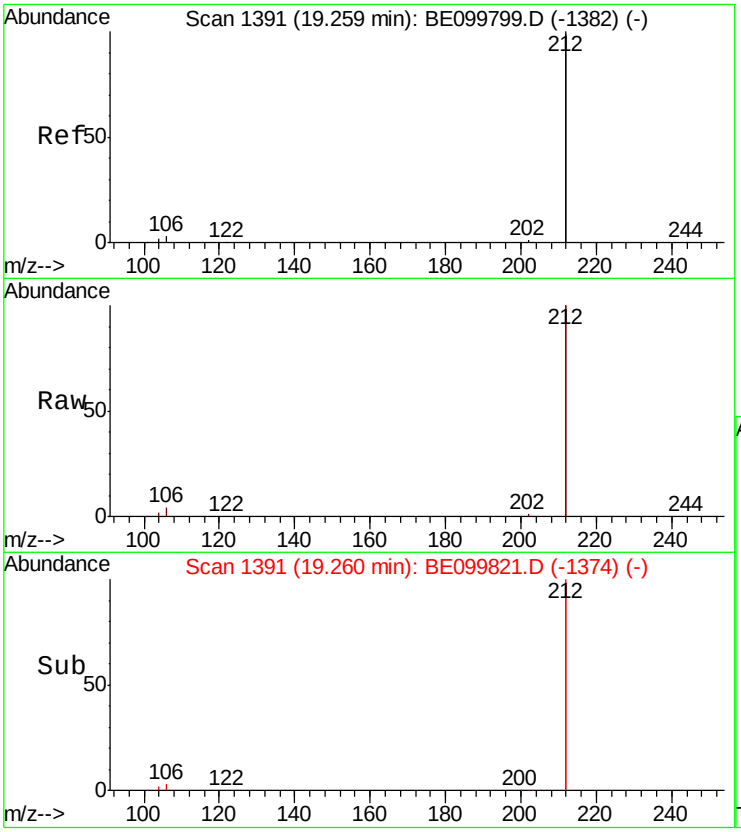


#24
Anthracene
Concen: 0.435 ng m
RT: 17.36 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:178 Resp: 8542

Ion	Ratio	Lower	Upper
178	100		
176	16.0	15.1	22.7
179	12.8	12.1	18.1

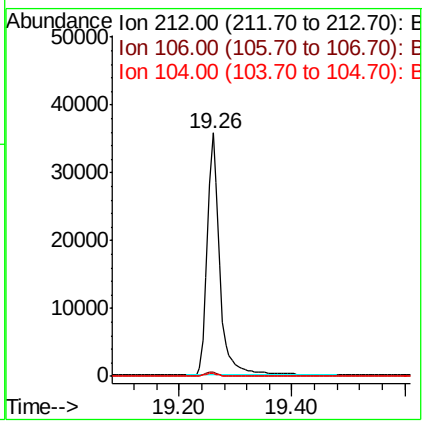




#25
Fluoranthene-d10
Concen: 0.399 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:212 Resp: 53943

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



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304S-20190604MSD

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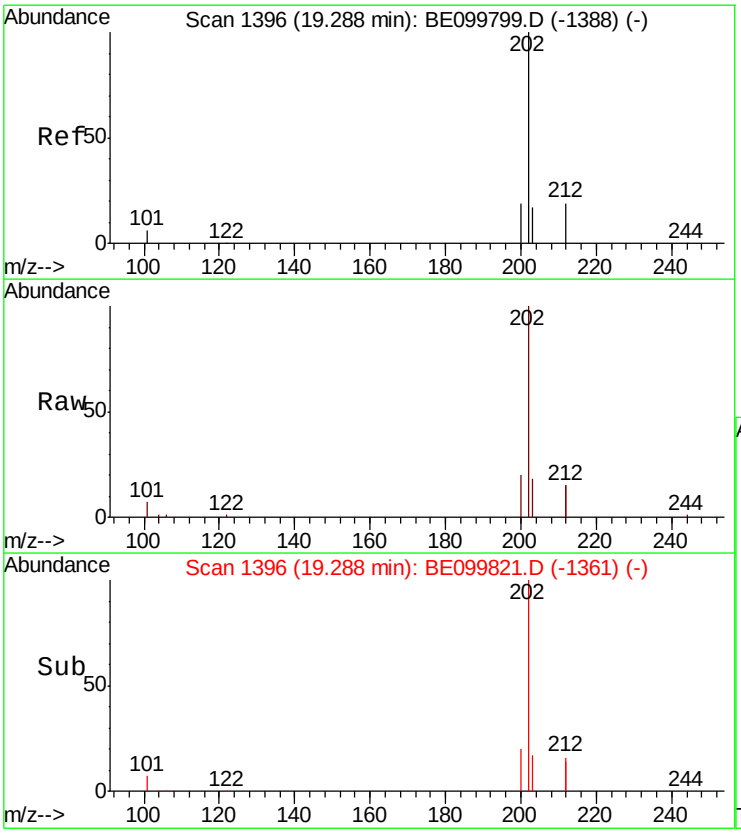
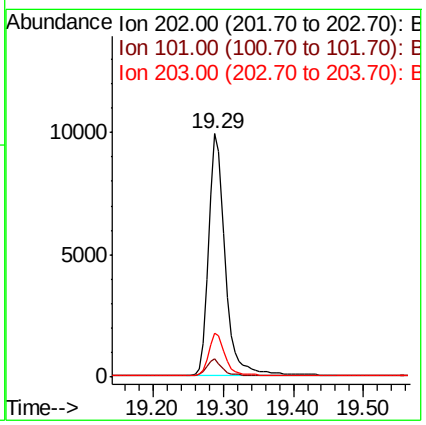
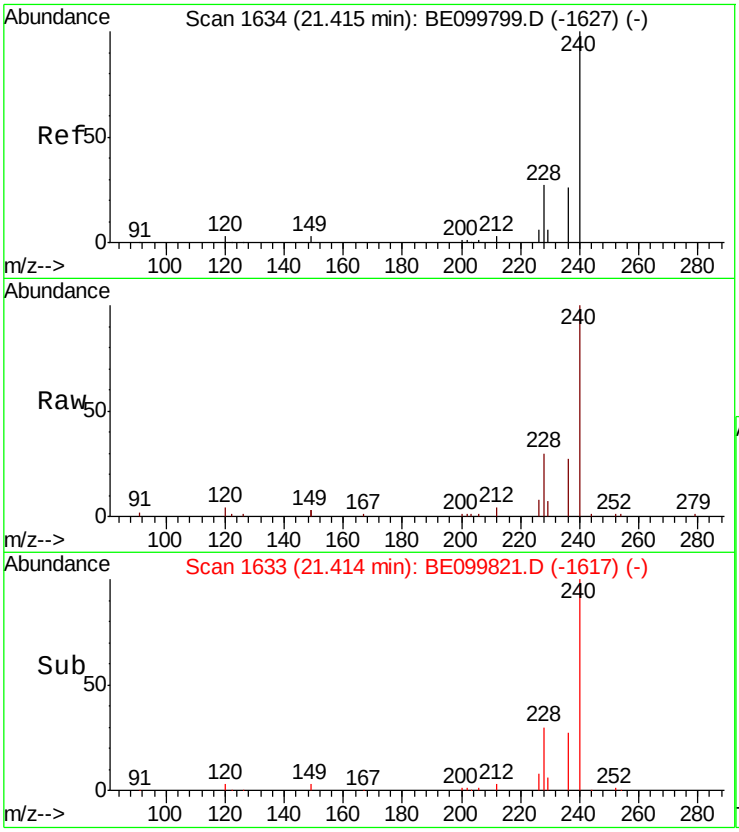


#26
Fluoranthene
Concen: 0.427 ng
RT: 19.29 min Scan# 1396
Delta R.T. 0.00 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:202 Resp: 16274

Ion	Ratio	Lower	Upper
202	100		
101	6.6	5.2	7.8
203	17.1	13.6	20.4

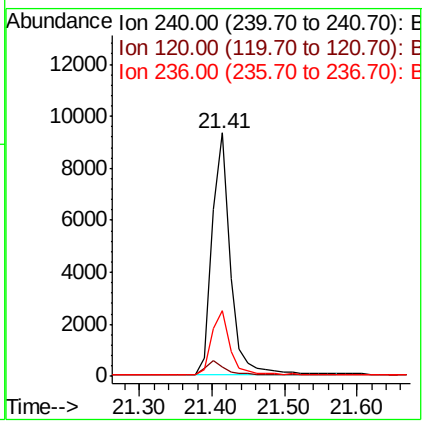




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:240 Resp: 16417

Ion	Ratio	Lower	Upper
240	100		
120	4.0	2.8	4.2
236	27.0	20.9	31.3



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304S-20190604MSD

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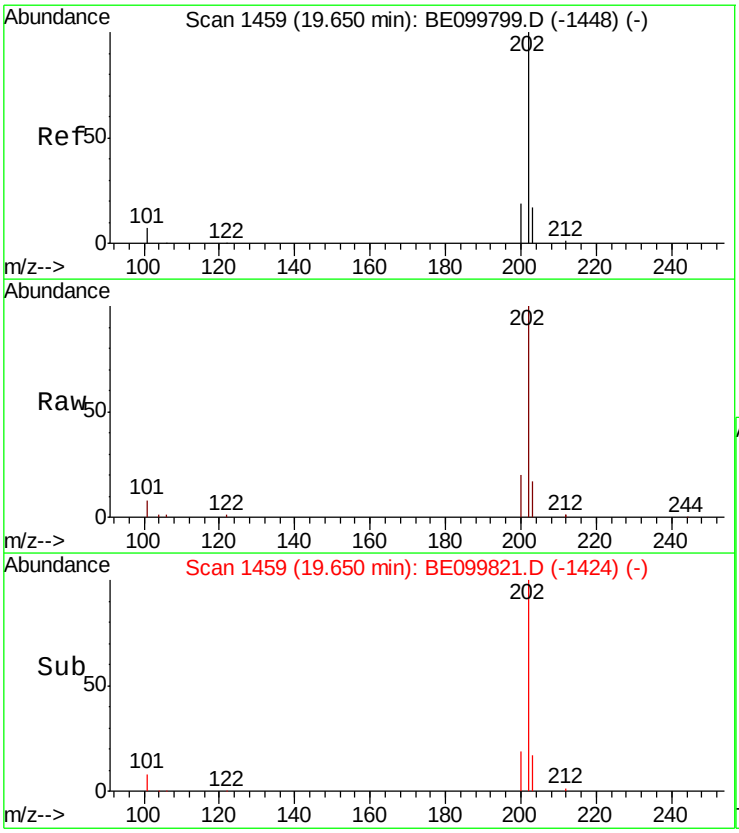
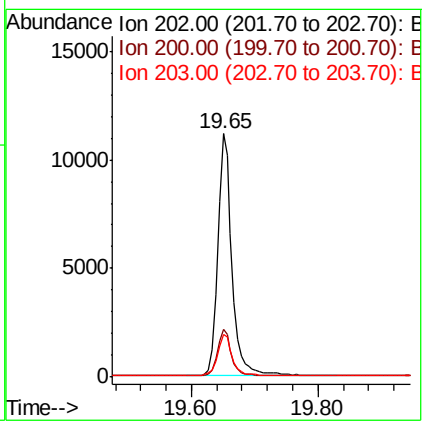
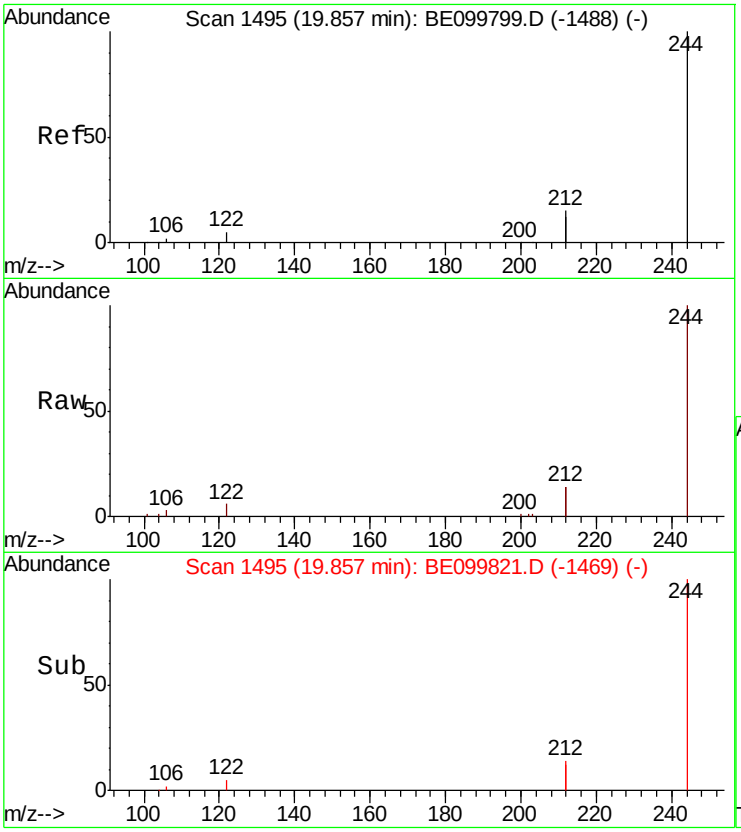


#28
Pyrene
Concen: 0.436 ng
RT: 19.65 min Scan# 1459
Delta R.T. 0.00 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:202 Resp: 17284

Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.6	23.4
203	17.8	14.1	21.1

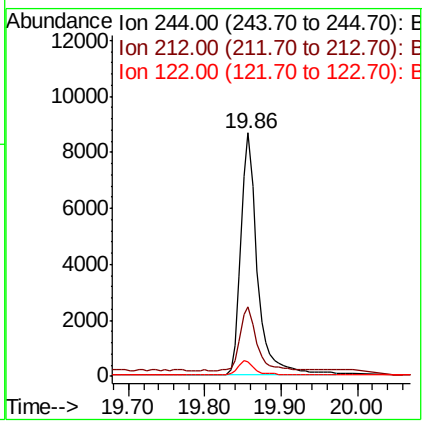




#29
Terphenyl-d14
Concen: 0.483 ng
RT: 19.86 min Scan# 1495
Delta R.T. 0.00 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:244 Resp: 13015

Ion	Ratio	Lower	Upper
244	100		
212	28.4	23.7	35.5
122	5.7	4.8	7.2



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304S-20190604MSD

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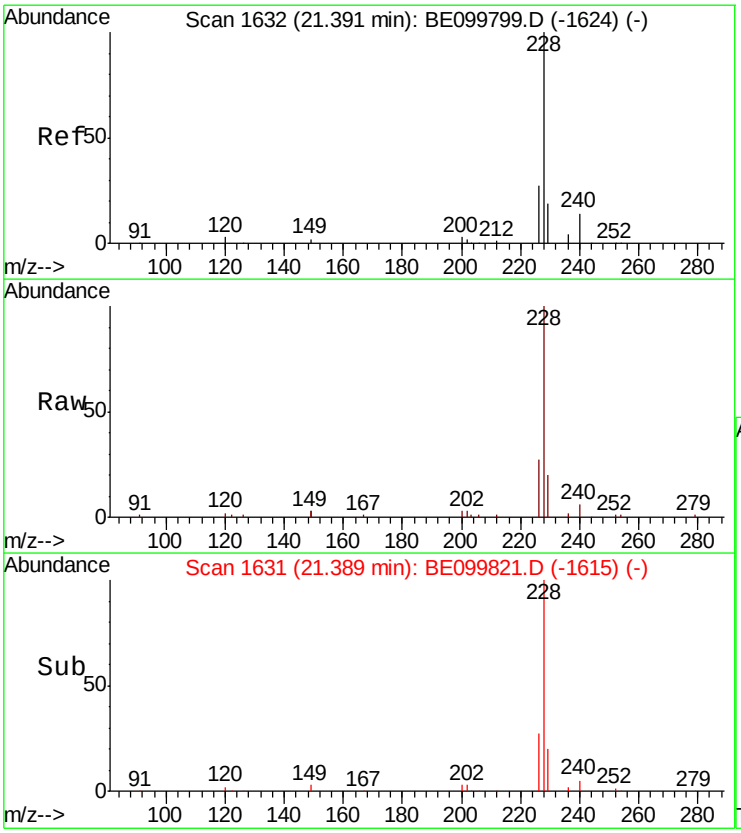
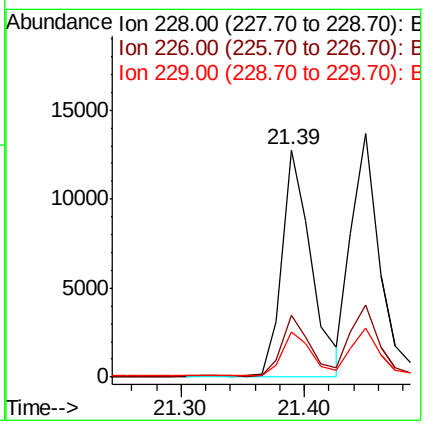
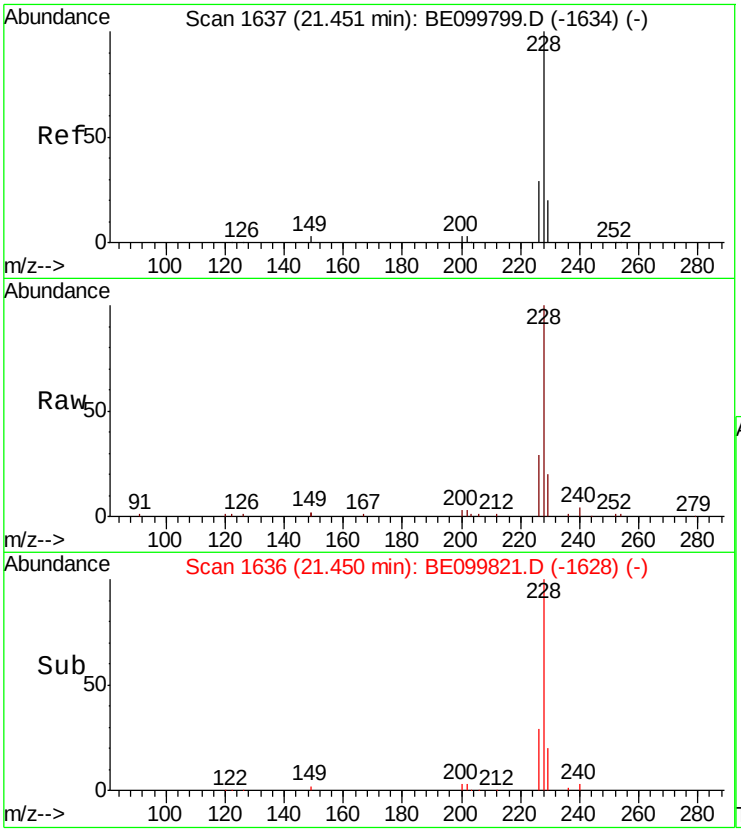


#30
Benzo(a)anthracene
Concen: 0.465 ng
RT: 21.39 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:228 Resp: 21084

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.6	32.4
229	20.0	15.8	23.6

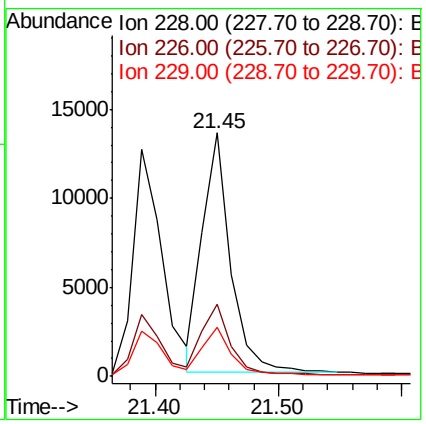




#31
Chrysene
Concen: 0.426 ng
RT: 21.45 min Scan# 1636
Delta R.T. -0.00 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:228 Resp: 21367

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.9	34.3
229	20.3	16.4	24.6



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304S-20190604MSD

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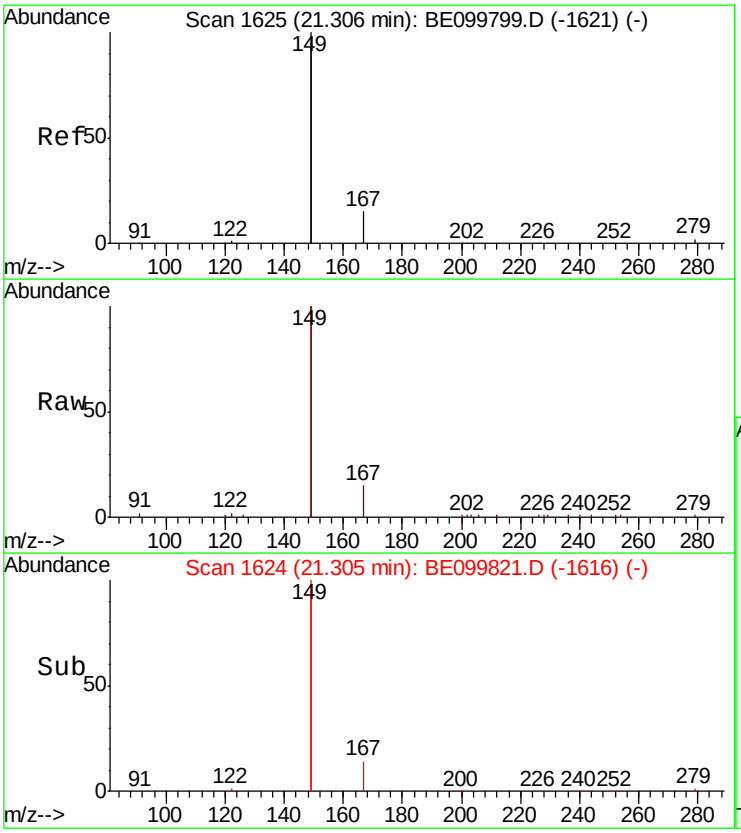
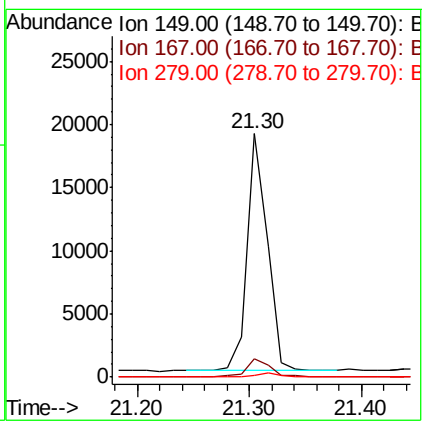
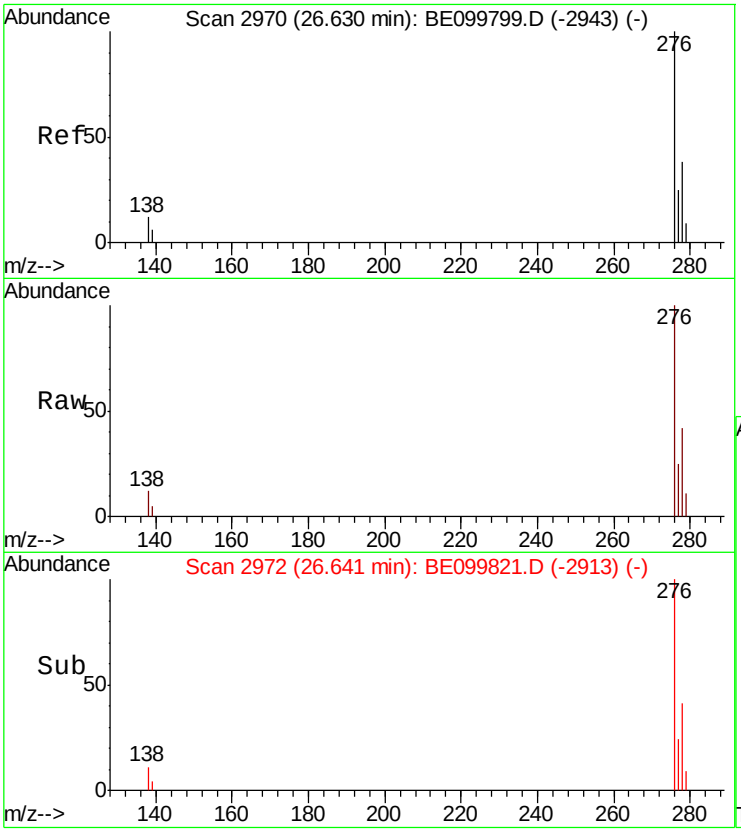


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.459 ng
RT: 21.30 min Scan# 1624
Delta R.T. -0.00 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:149 Resp: 23890

Ion	Ratio	Lower	Upper
149	100		
167	7.5	6.0	9.0
279	1.6	1.2	1.8

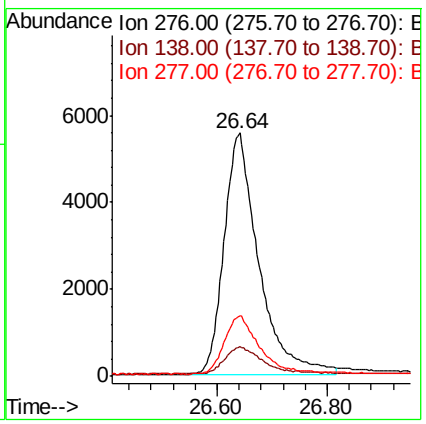




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.403 ng
RT: 26.64 min Scan# 2972
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:276 Resp: 24188

Ion	Ratio	Lower	Upper
276	100		
138	12.3	10.3	15.5
277	24.5	19.4	29.2



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304S-20190604MSD

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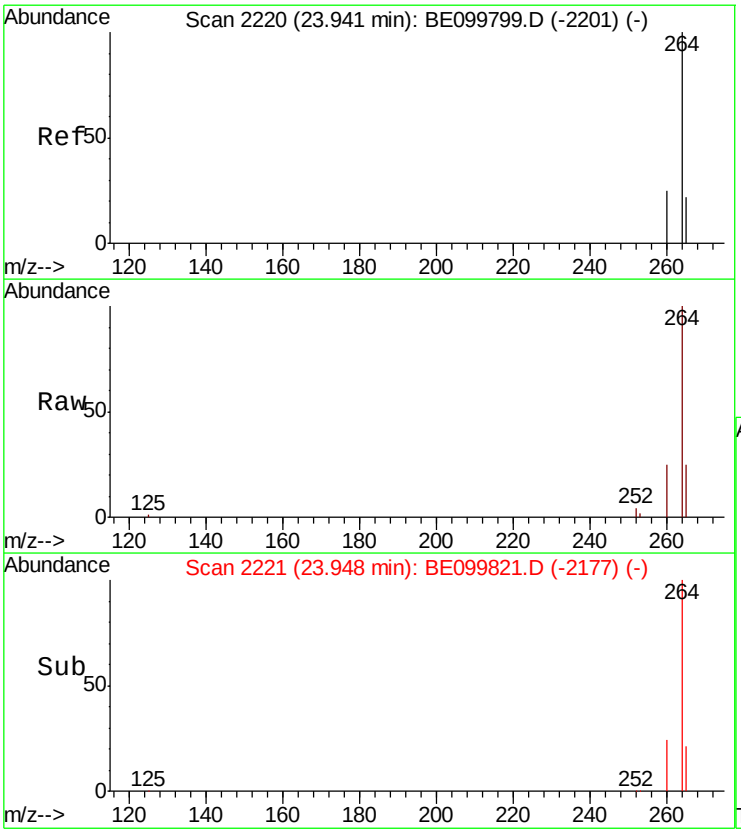
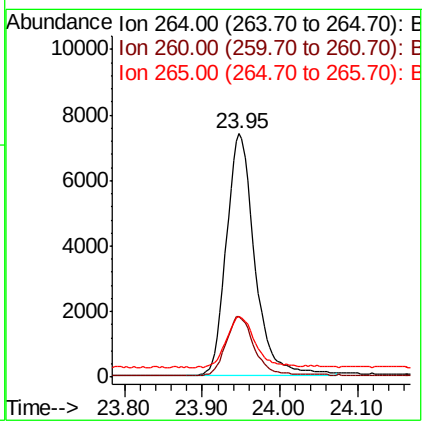
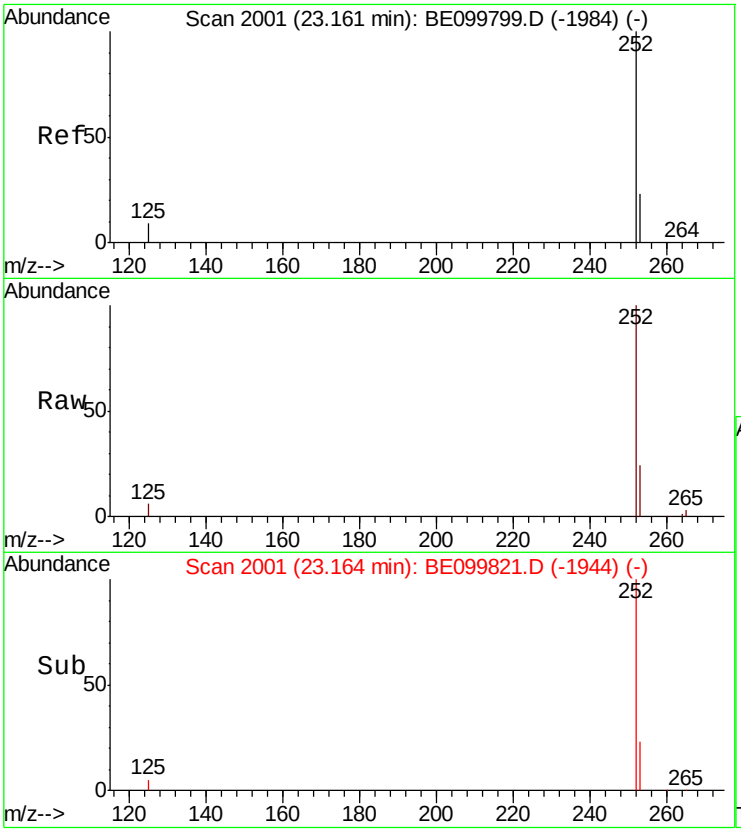


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.95 min Scan# 2221
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:264 Resp: 18741

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.0	30.0
265	24.9	20.7	31.1

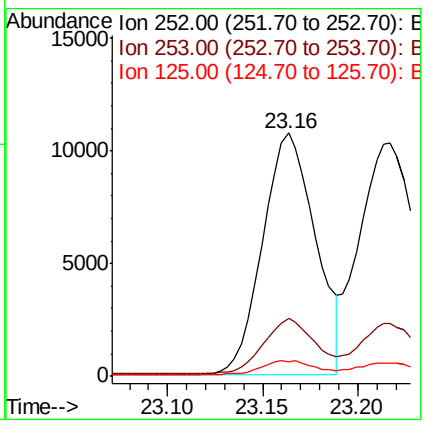




#35
Benzo(b)fluoranthene
Concen: 0.399 ng
RT: 23.16 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:252 Resp: 20687

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.9	28.3
125	6.2	7.6	11.4#



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304S-20190604MSD

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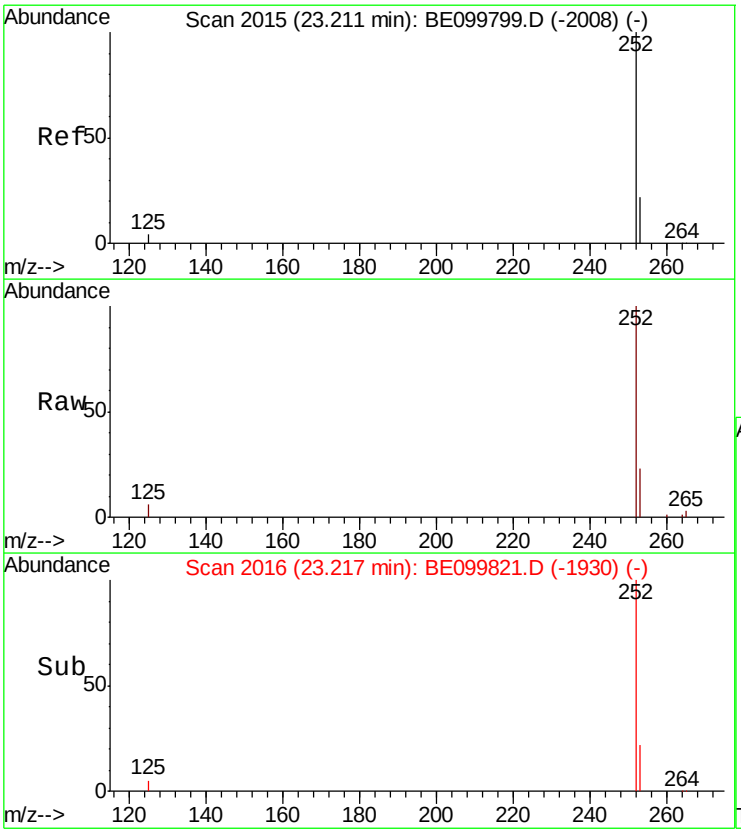
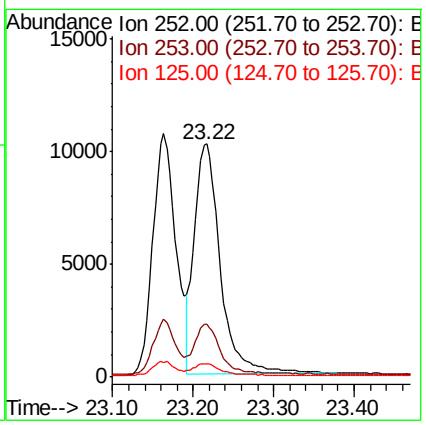
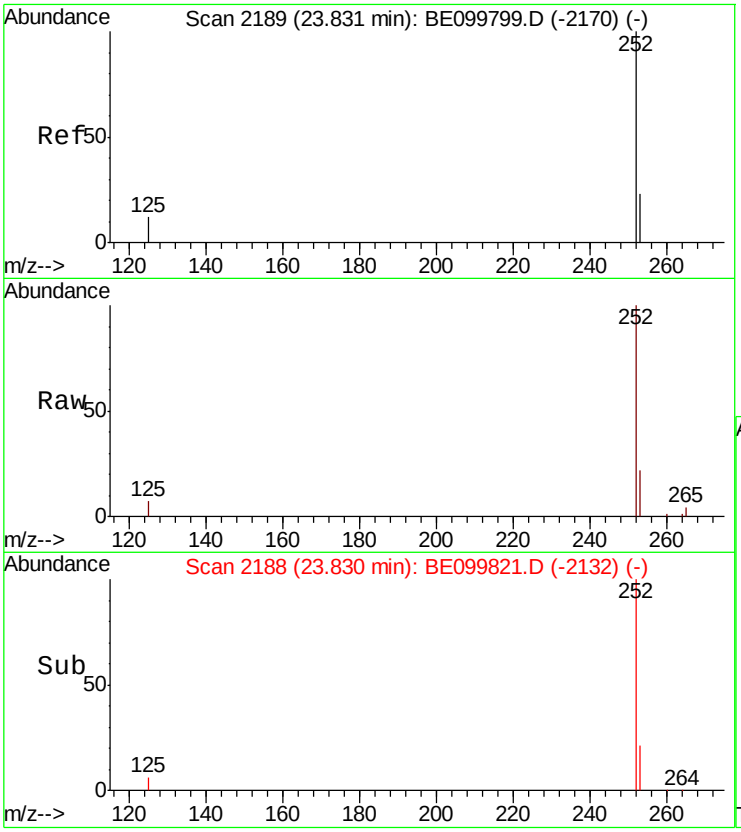


#36
Benzo(k)fluoranthene
Concen: 0.416 ng
RT: 23.22 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:252 Resp: 22931

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	5.8	4.6	7.0





#37
Benzo(a)pyrene
Concen: 0.414 ng
RT: 23.83 min Scan# 2188
Delta R.T. -0.00 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:252 Resp: 20834

Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.3	28.9
125	7.0	10.2	15.4#

Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304S-20190604MSD

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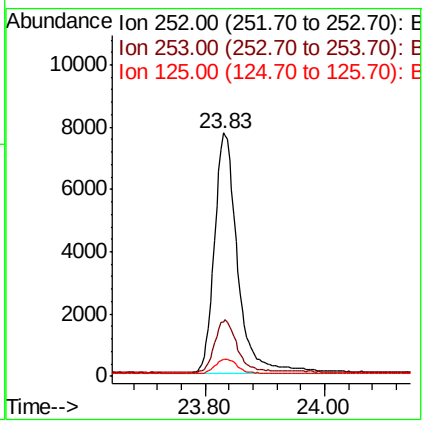
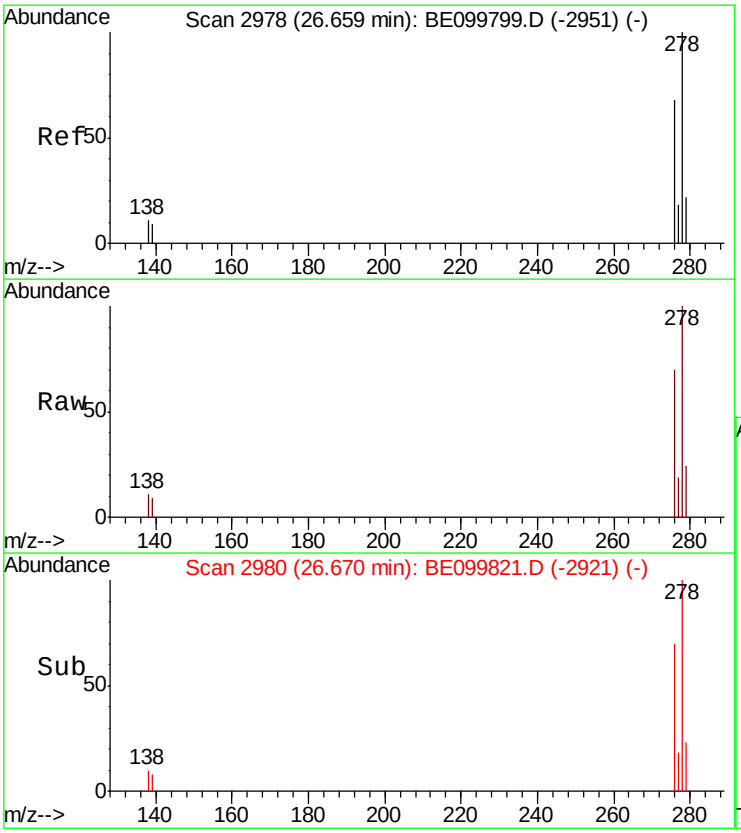
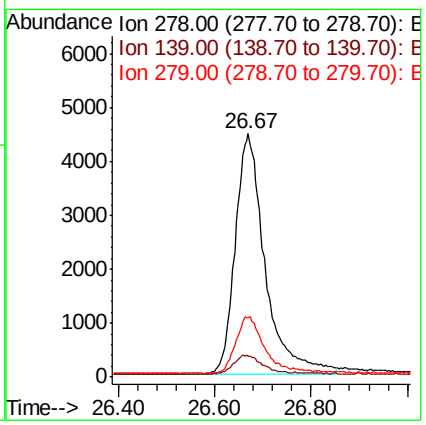


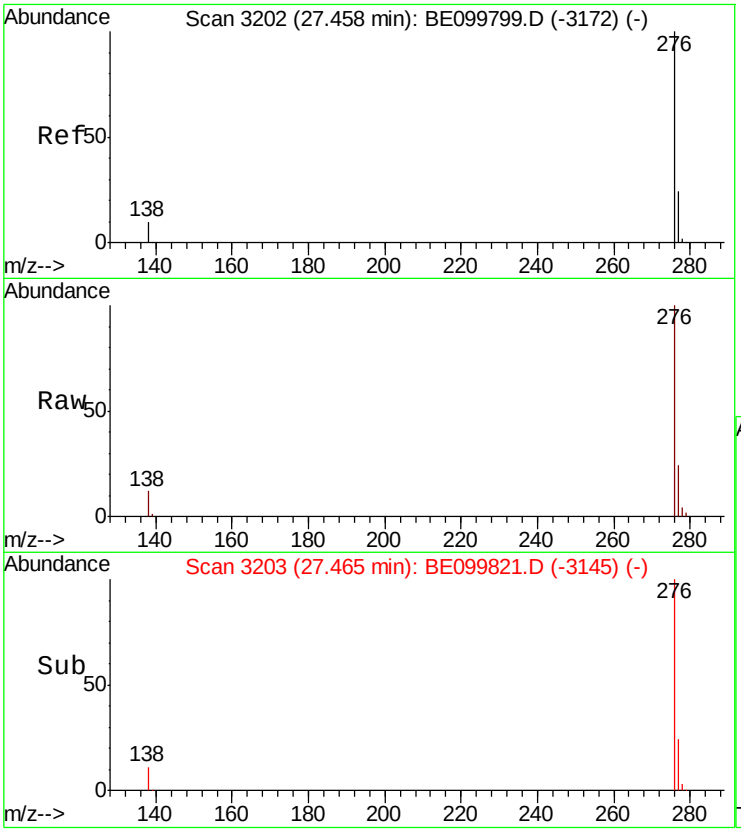


#38
Dibenzo(a,h)anthracene
Concen: 0.374 ng
RT: 26.67 min Scan# 2980
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:278 Resp: 19149

Ion	Ratio	Lower	Upper
278	100		
139	8.8	7.9	11.9
279	24.5	18.5	27.7

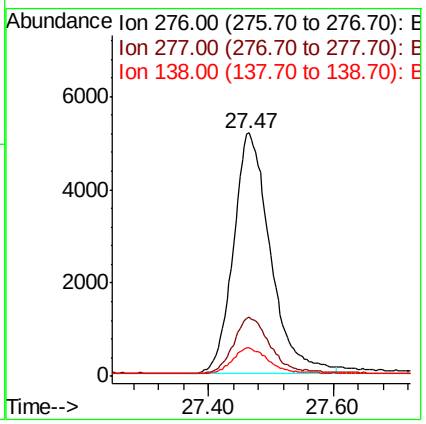




#39
Benzo(g,h,i)perylene
Concen: 0.394 ng
RT: 27.47 min Scan# 3203
Delta R.T. 0.01 min
Lab File: BE099821.D
Acq: 6 Jun 2019 14:45

Tgt Ion:276 Resp: 21196

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.6	29.4
138	11.6	9.0	13.4



Instrument :
BNA_E
ClientSampleId :
BPS1-TT-MW304S-20190604MSD

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