Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
Data File : BE100348.D
Acq On : 4 Jul 2019 2:59
Operator : JU/SJ
Sample : K3558-05 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW085-062519

Manual Integrations APPROVED
mohammad
7/5/2019 8:54:58 AM

Quant Time: Jul 05 01:40:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	621	0.40	ng		0.00
7) Naphthalene-d8	10.43	136	2424	0.40	ng		-0.01
13) Acenaphthene-d10	14.31	164	2063	0.40	ng		0.00
19) Phenanthrene-d10	17.05	188	5646	0.40	ng		0.00
27) Chrysene-d12	21.25	240	7993	0.40	ng		0.00
34) Perylene-d12	23.67	264	10042	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.21	112	69	0.04	ng		0.00
5) Phenol-d6	6.85	99	43	0.02	ng		0.00
8) Nitrobenzene-d5	8.84	82	51	0.02	ng		0.01
11) 2-Methylnaphthalene-d10	12.04	152	150	0.03	ng		-0.01
14) 2,4,6-Tribromophenol	15.81	330	44	0.03	ng		-0.01
15) 2-Fluorobiphenyl	12.93	172	222	0.03	ng		-0.01
25) Fluoranthene-d10	19.09	212	2794	0.03	ng		0.00
29) Terphenyl-d14	19.69	244	1416	0.09	ng		-0.01
Target Compounds							Qvalue
9) Naphthalene	10.48	128	15689	0.587	ng		99
12) 2-Methylnaphthalene	12.11	142	4472	0.953	ng		100
16) Acenaphthylene	14.02	152	17185	1.736	ng		97
17) Acenaphthene	14.37	154	5560	0.991	ng		96
18) Fluorene	15.35	166	16324	1.968	ng	#	92
23) Phenanthrene	17.09	178	372966	27.255	ng		99
24) Anthracene	17.19	178	30355	2.463	ng		100
26) Fluoranthene	19.12	202	465395	21.352	ng		97
28) Pyrene	19.49	202	697395	32.955	ng		96
30) Benzo(a)anthracene	21.22	228	316981	12.061	ng		97
31) Chrysene	21.28	228	382335	14.488	ng		97
33) Indeno(1,2,3-cd)pyrene	26.23	276	161577	4.629	ng	#	97
35) Benzo(b)fluoranthene	22.93	252	302183	11.099	ng	#	95
36) Benzo(k)fluoranthene	22.97	252	92491m	3.043	ng		
37) Benzo(a)pyrene	23.56	252	255921	9.379	ng	#	92
38) Dibenzo(a,h)anthracene	26.24	278	47272	1.659	ng		92
39) Benzo(g,h,i)perylene	27.02	276	191854	6.553	ng		98

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

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BNA_E
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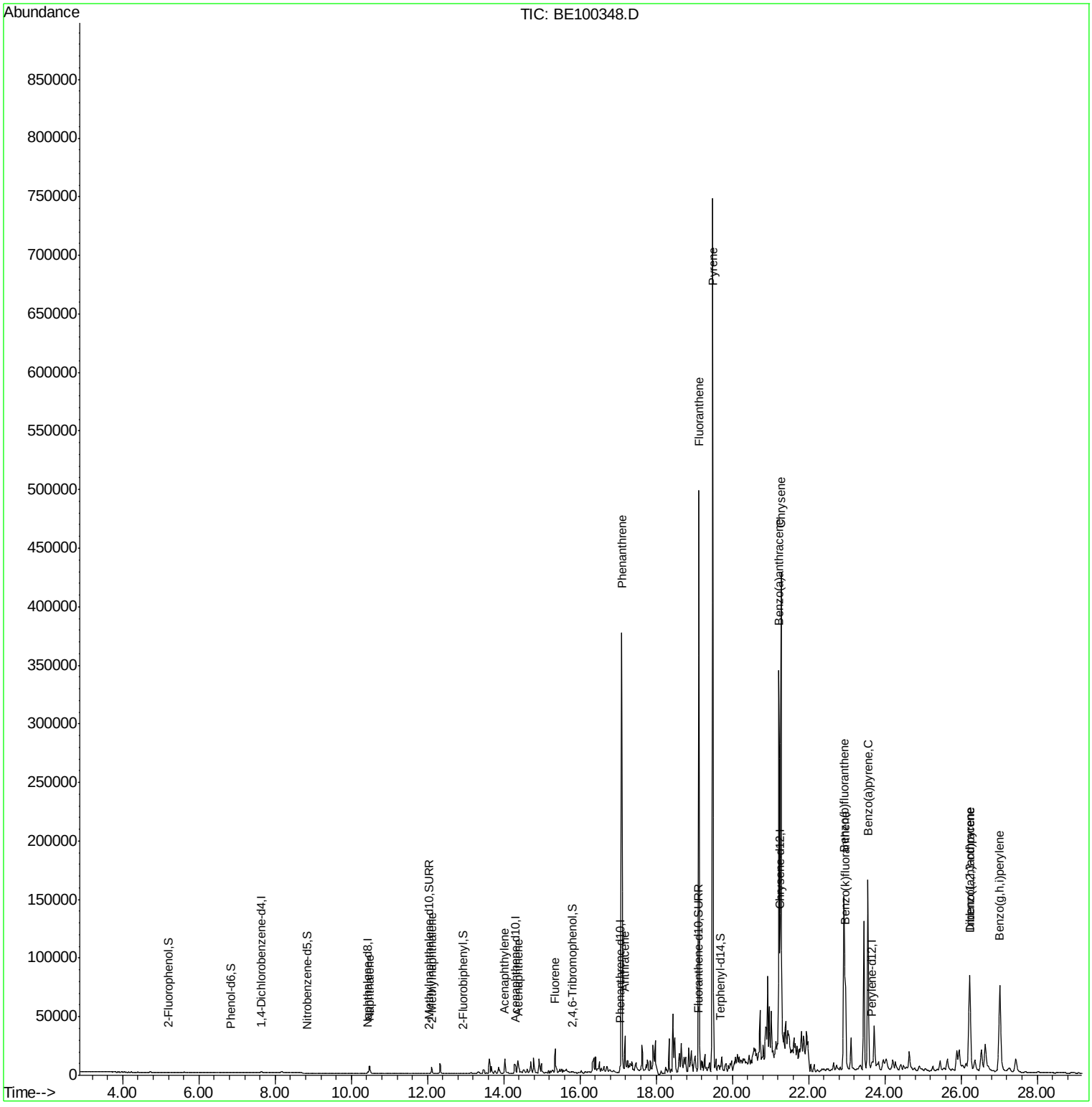
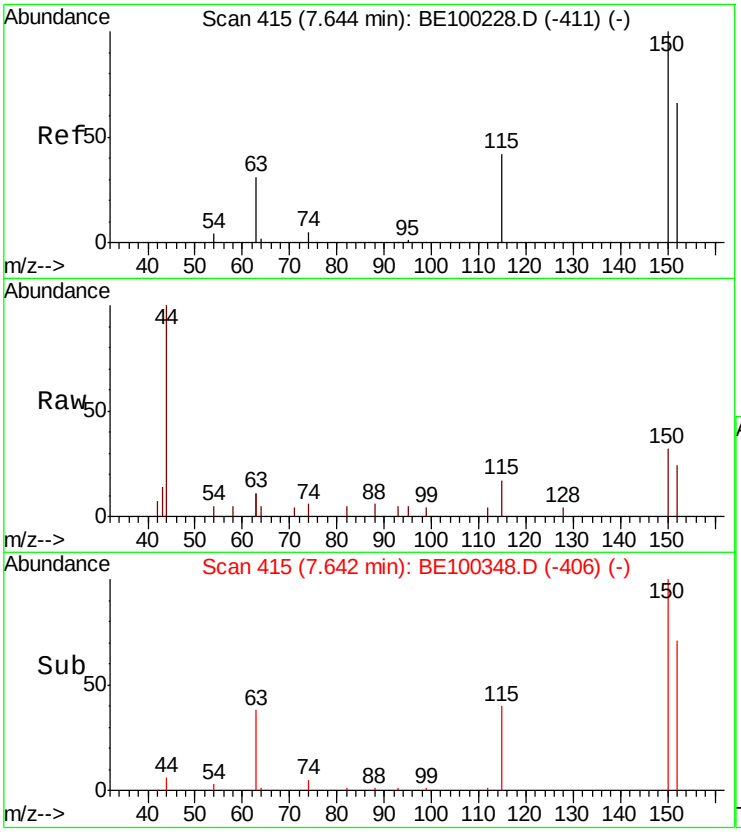
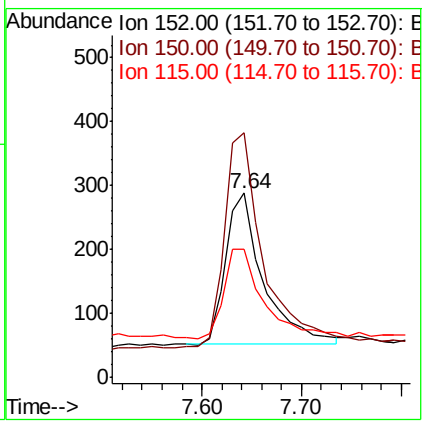




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:152 Resp: 621

Ion	Ratio	Lower	Upper
152	100		
150	132.6	114.5	171.7
115	69.4	57.1	85.7



Instrument :
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ClientSampleId :
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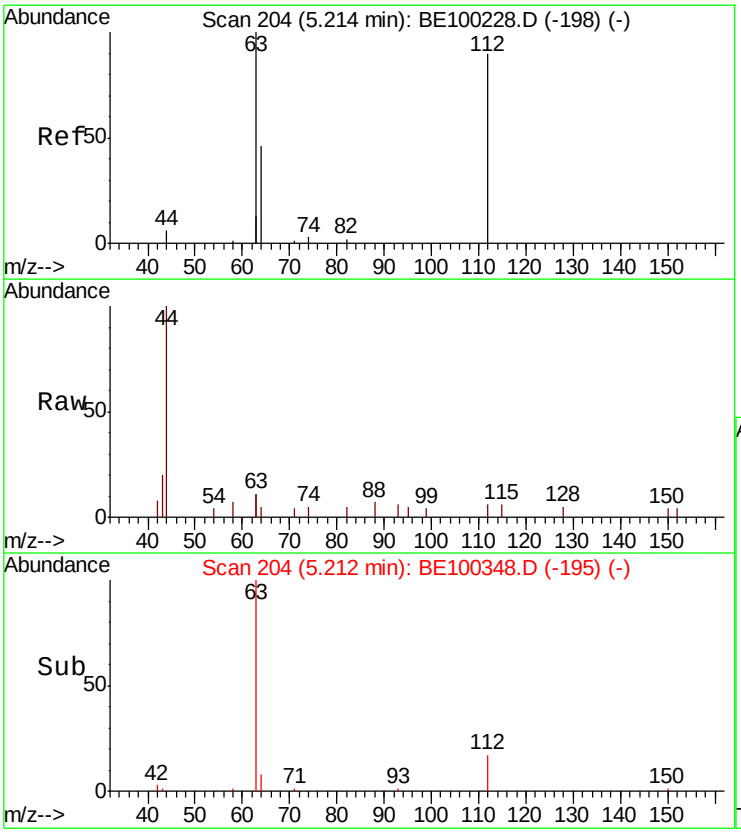
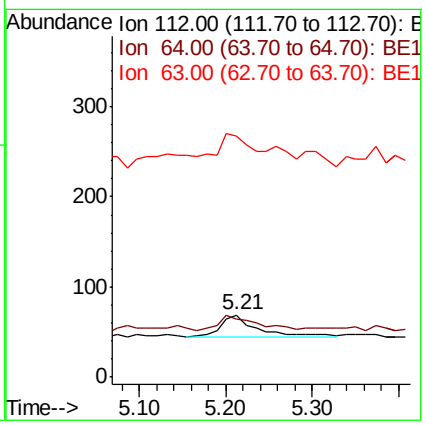
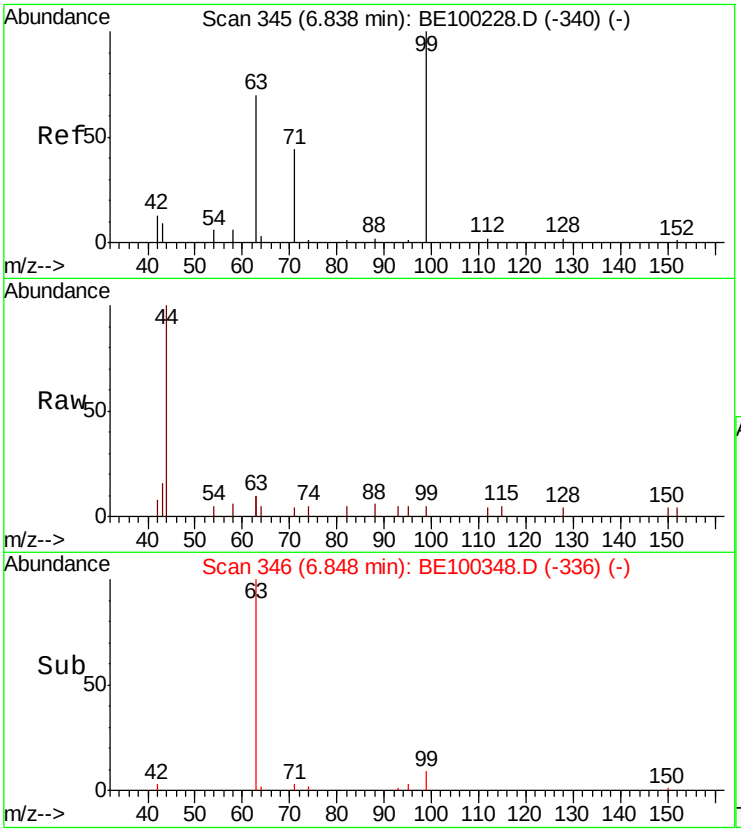


#4
2-Fluorophenol
Concen: 0.044 ng
RT: 5.21 min Scan# 204
Delta R.T. -0.00 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:112 Resp: 69

Ion	Ratio	Lower	Upper
112	100		
64	69.6	39.4	59.0#
63	82.6	104.5	156.7#

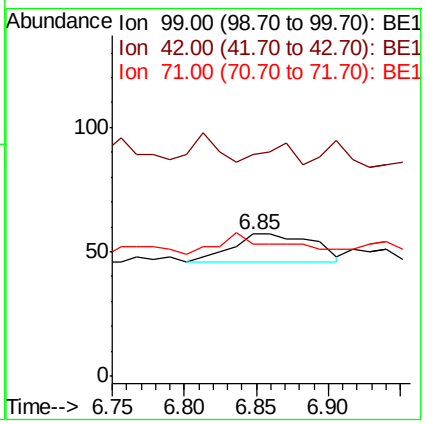




#5
Phenol-d6
Concen: 0.021 ng
RT: 6.85 min Scan# 346
Delta R.T. 0.01 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion: 99 Resp: 43

Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.2	16.8#
71	55.8	37.2	55.8#



Instrument :
BNA_E
ClientSampleId :
EXT-015-SW085-062519

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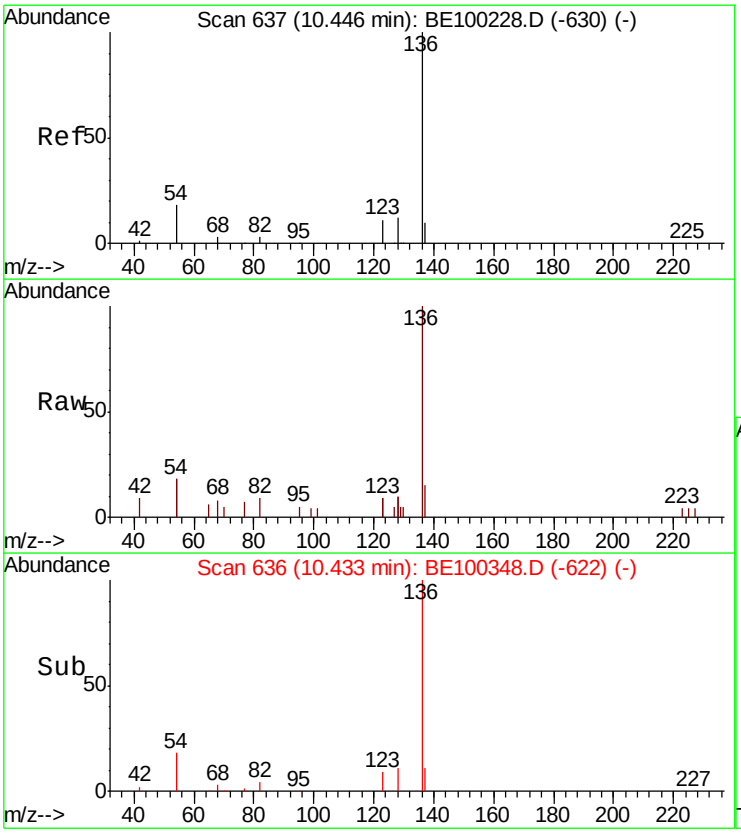
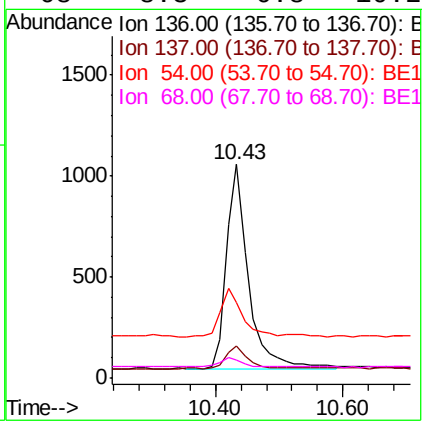
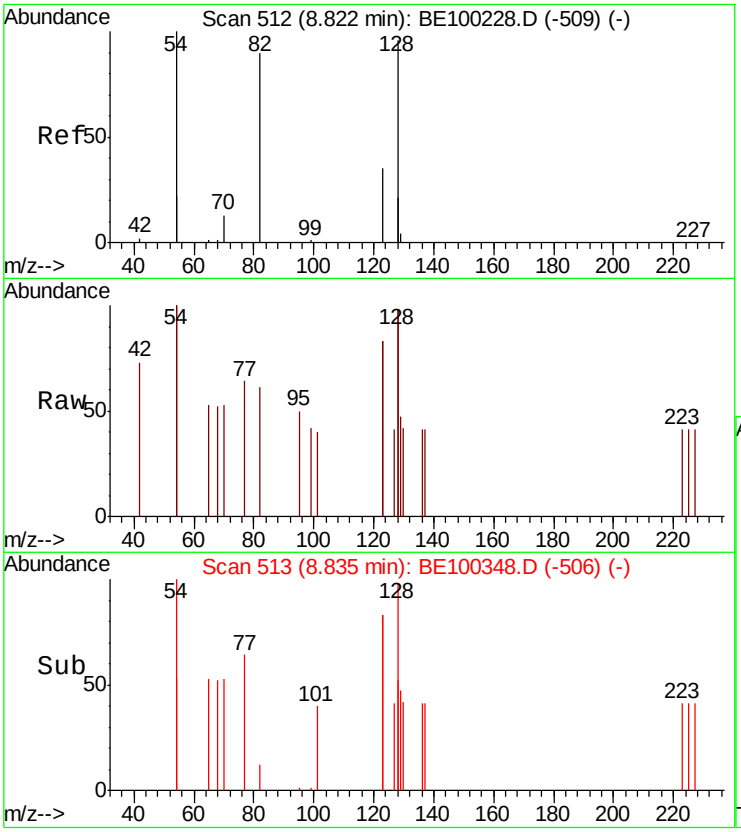


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.43 min Scan# 636
Delta R.T. -0.01 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:136 Resp: 2424

Ion	Ratio	Lower	Upper
136	100		
137	14.7	11.8	17.8
54	35.2	27.7	41.5
68	8.3	6.8	10.2

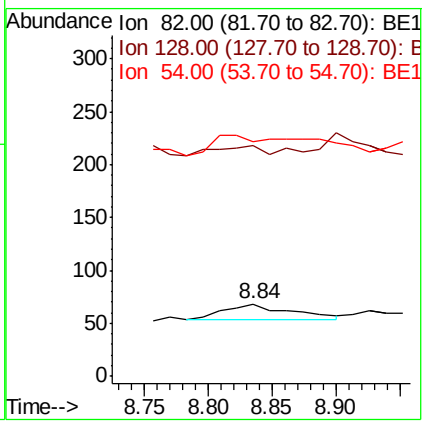




#8
Nitrobenzene-d5
Concen: 0.021 ng
RT: 8.84 min Scan# 513
Delta R.T. 0.01 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion: 82 Resp: 51

Ion	Ratio	Lower	Upper
82	100		
128	320.6	140.9	211.3#
54	326.5	146.2	219.2#



Instrument :
BNA_E
ClientSampleId :
EXT-015-SW085-062519

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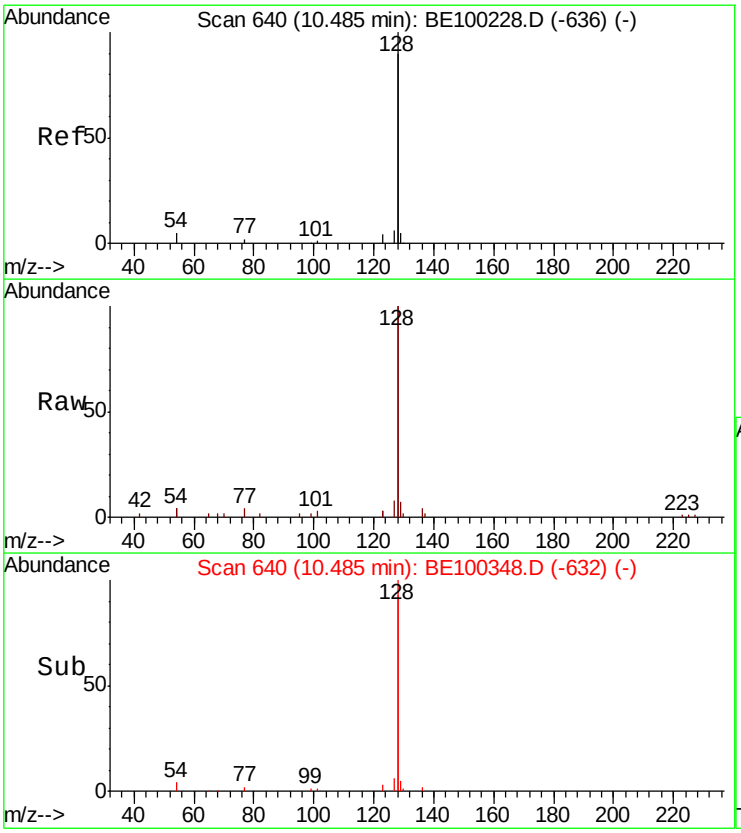
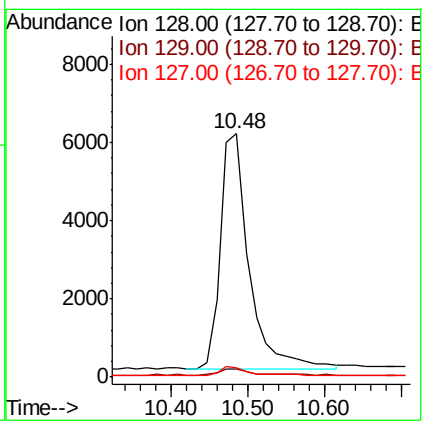
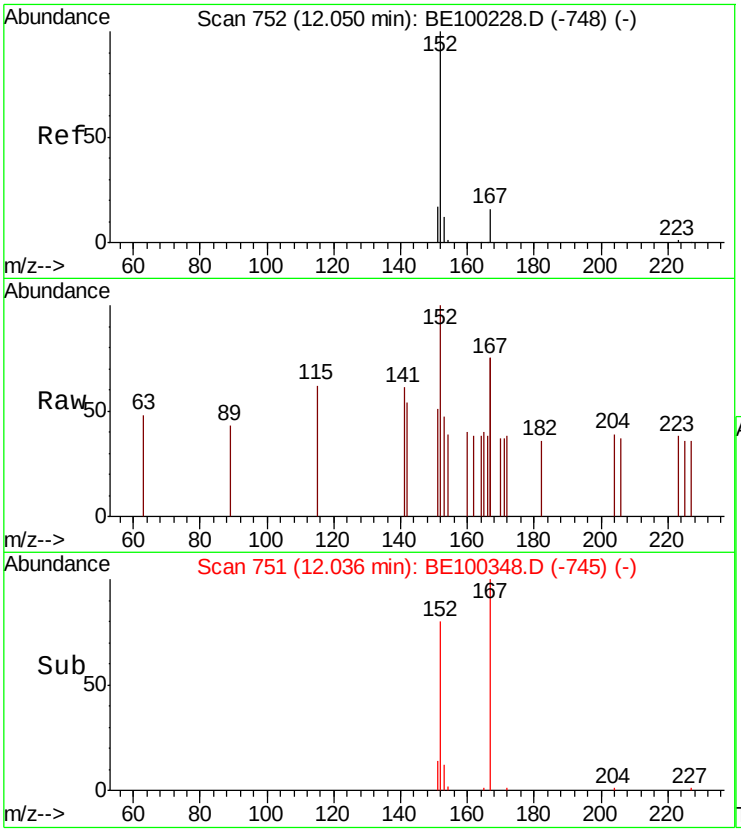


#9
Naphthalene
Concen: 0.587 ng
RT: 10.48 min Scan# 640
Delta R.T. 0.00 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:128 Resp: 15689

Ion	Ratio	Lower	Upper
128	100		
129	3.5	3.0	4.6
127	4.0	3.5	5.3





#11
2-Methylnaphthalene-d10
Concen: 0.033 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:152 Resp: 150

Ion	Ratio	Lower	Upper
152	100		
151	24.7	15.1	22.7#

Instrument :
BNA_E
ClientSampleId :
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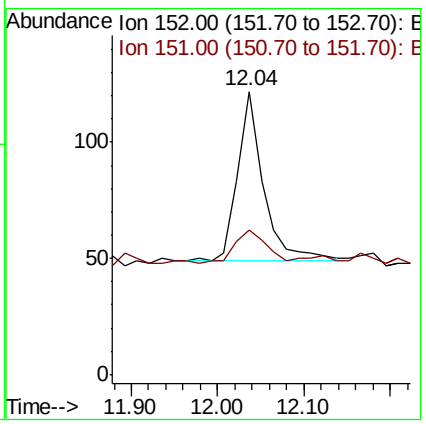
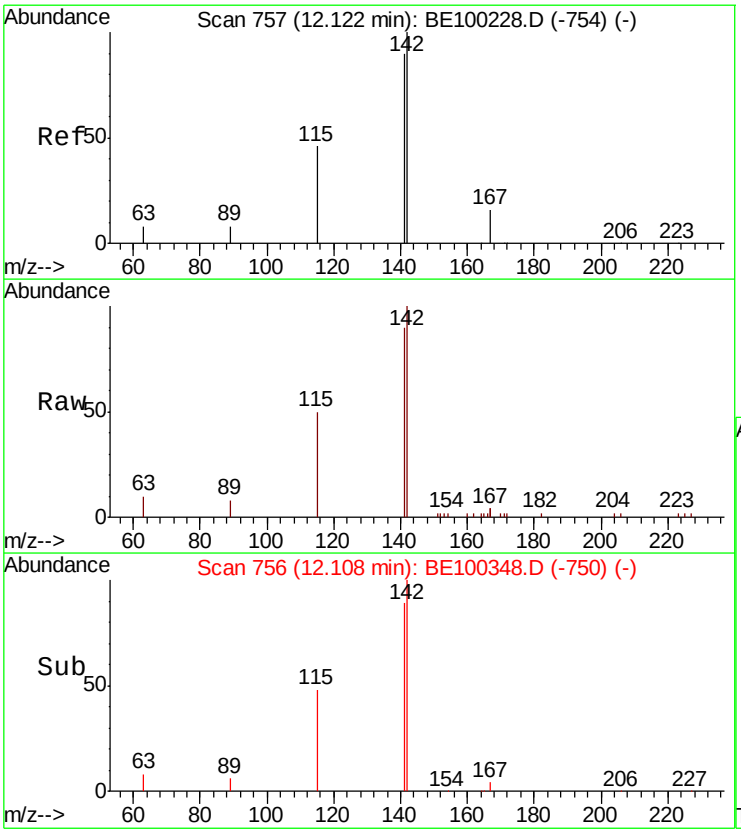
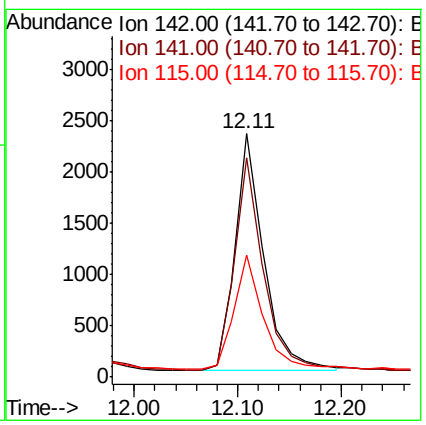


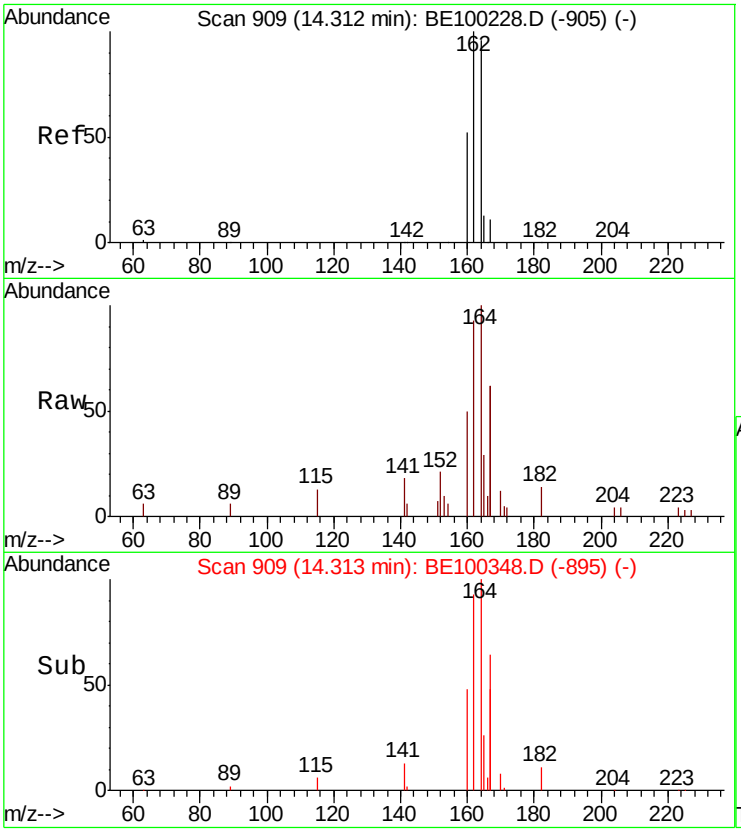


#12
2-Methylnaphthalene
Concen: 0.953 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:142 Resp: 4472

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.4	108.6
115	50.0	40.4	60.6





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:164 Resp: 2063

Ion	Ratio	Lower	Upper
164	100		
162	93.0	83.4	125.0
160	50.4	45.0	67.6

Instrument :
BNA_E
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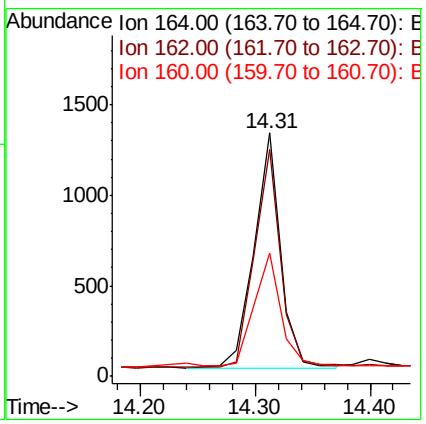
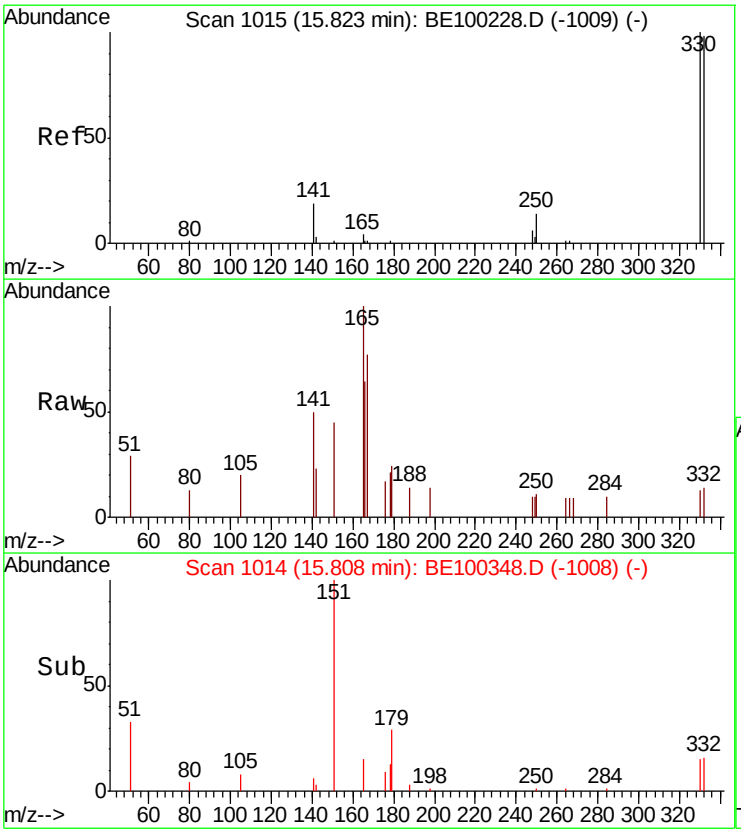
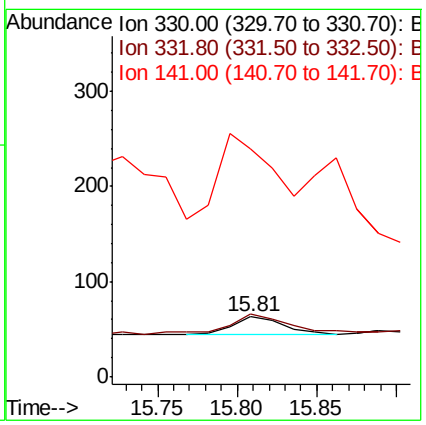


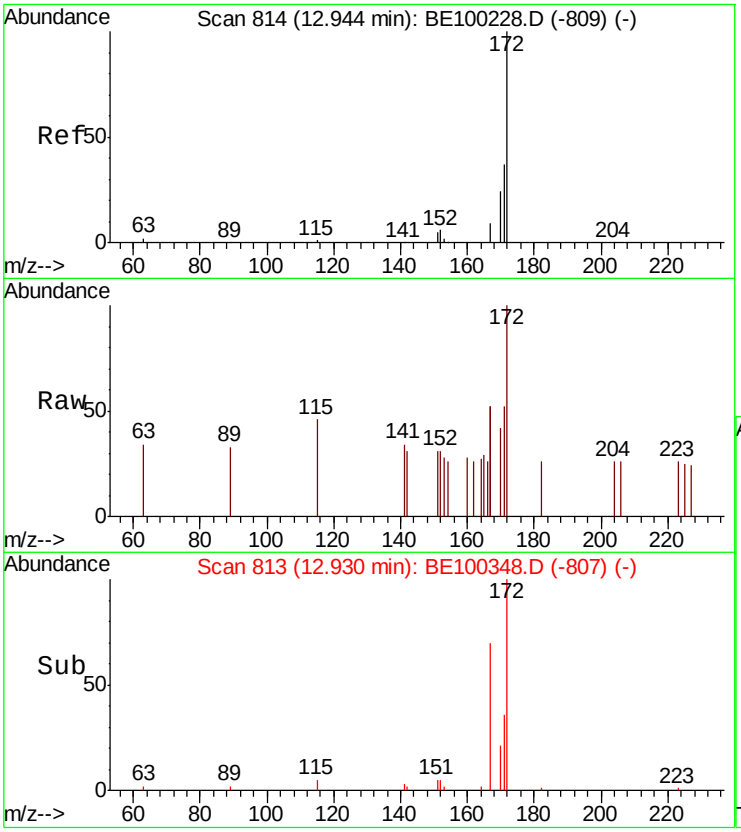


#14
2,4,6-Tribromophenol
Concen: 0.030 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:330 Resp: 44

Ion	Ratio	Lower	Upper
330	100		
332	88.6	77.0	115.4
141	477.3	22.0	33.0#





#15
2-Fluorobiphenyl
Concen: 0.028 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:172 Resp: 222

Ion	Ratio	Lower	Upper
172	100		
171	52.2	31.9	47.9#
170	41.6	22.2	33.2#

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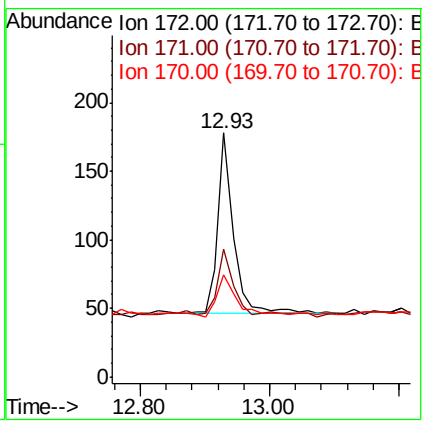
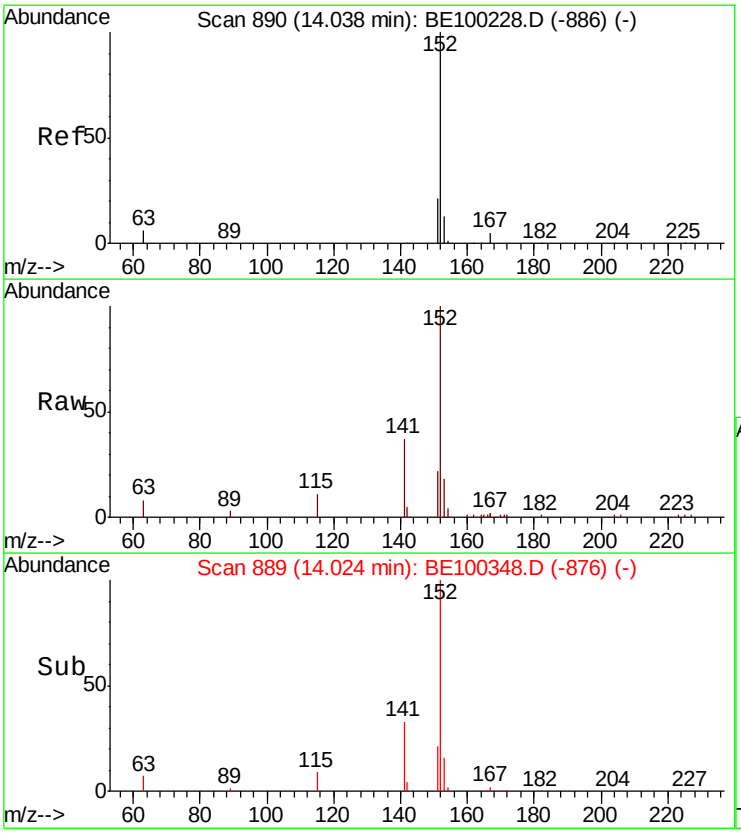
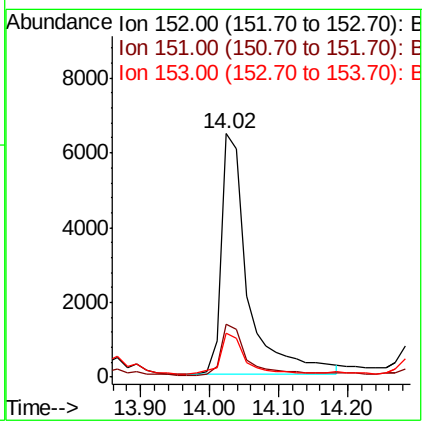


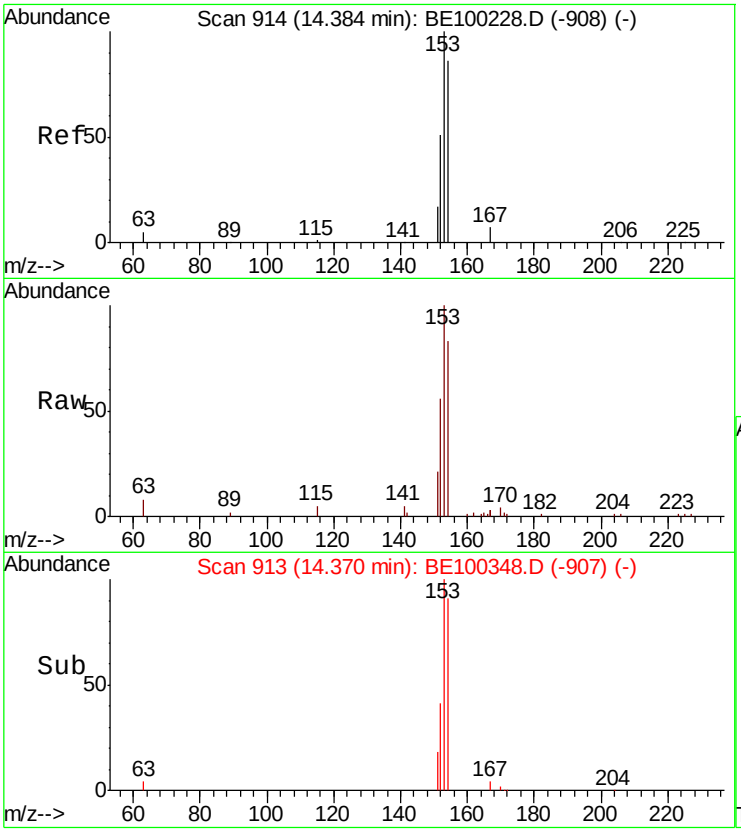


#16
Acenaphthylene
Concen: 1.736 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:152 Resp: 17185

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.6	25.0
153	15.6	10.5	15.7

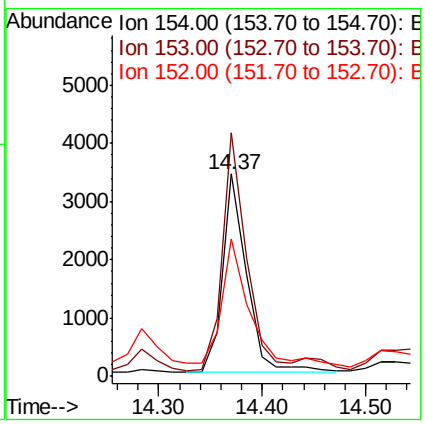




#17
Acenaphthene
Concen: 0.991 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.01 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:154 Resp: 5560

Ion	Ratio	Lower	Upper
154	100		
153	118.5	93.4	140.2
152	69.4	49.4	74.2



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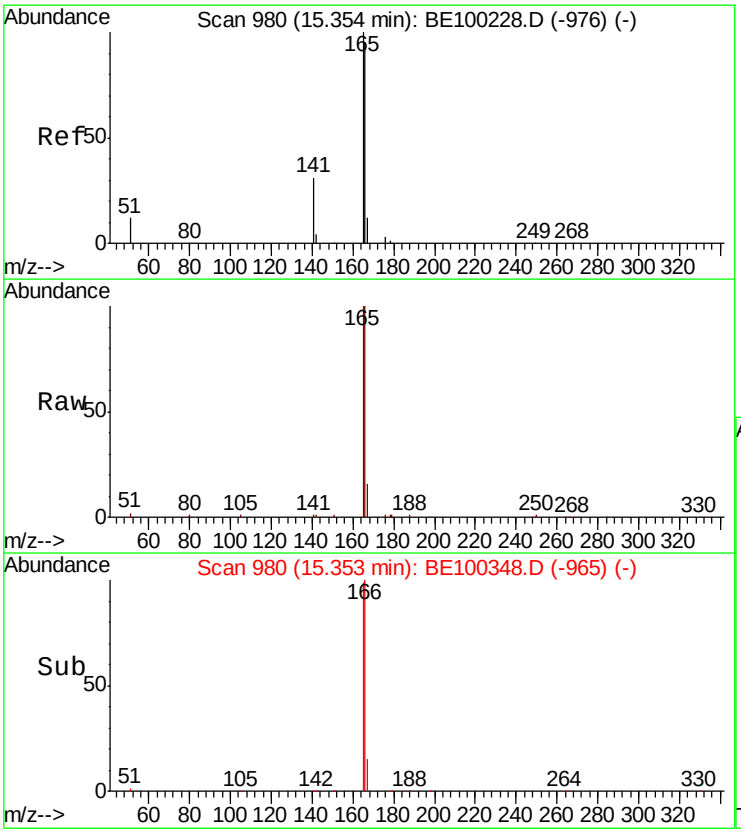
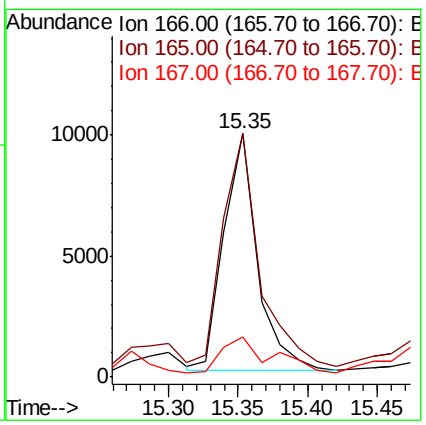
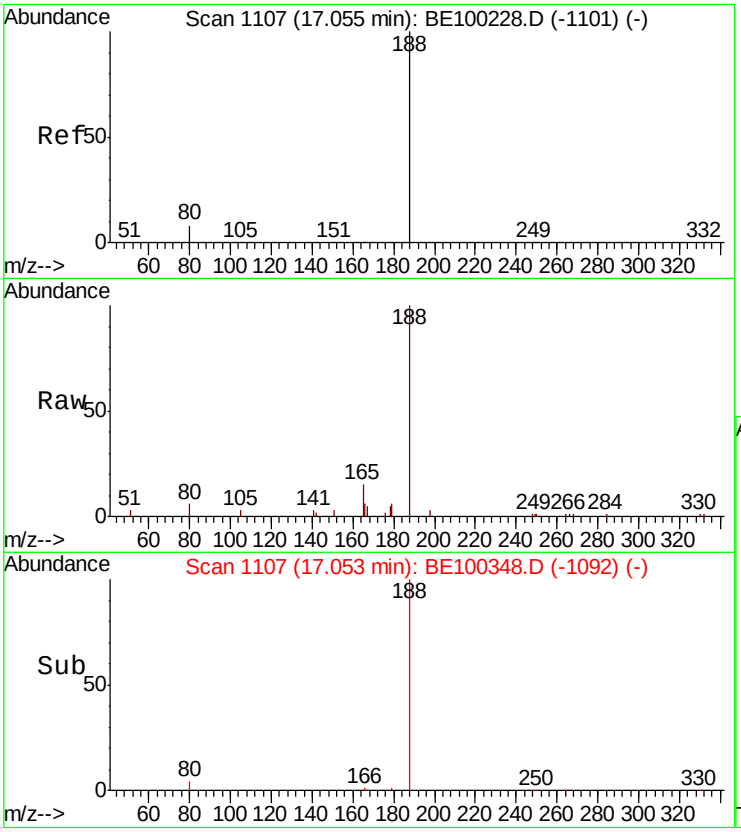


#18
Fluorene
Concen: 1.968 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:166 Resp: 16324

Ion	Ratio	Lower	Upper
166	100		
165	107.5	81.1	121.7
167	22.9	10.7	16.1#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:188 Resp: 5646

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.7	7.6	11.4#

Instrument :
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ClientSampleId :
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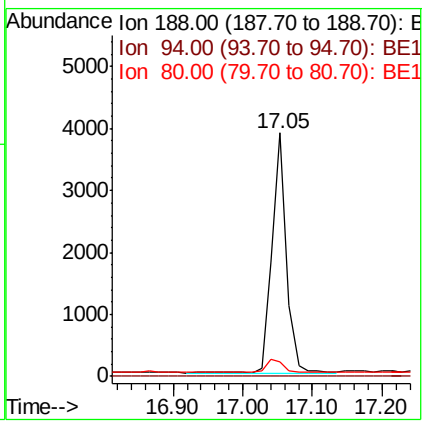
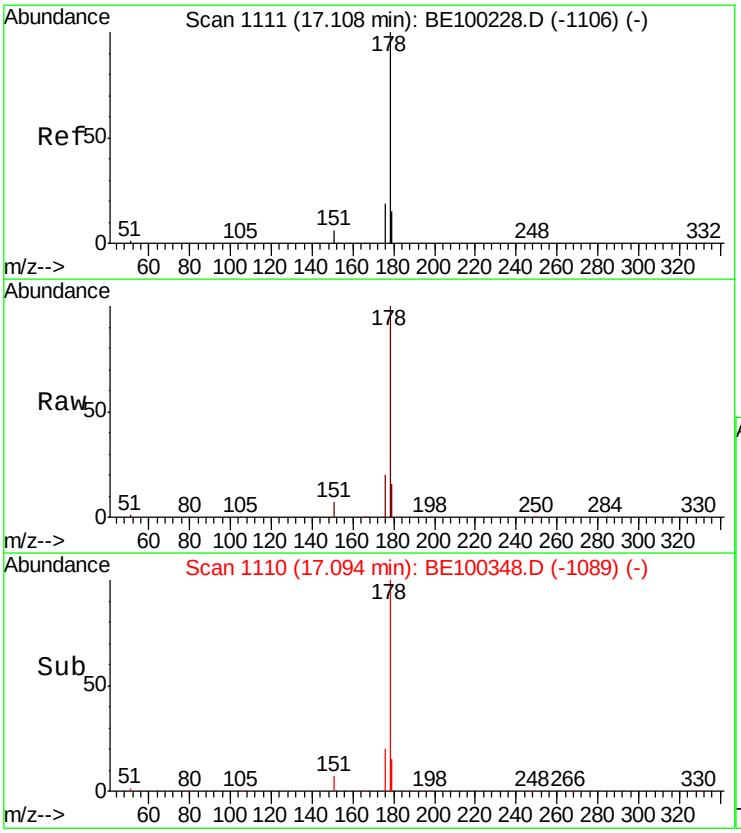
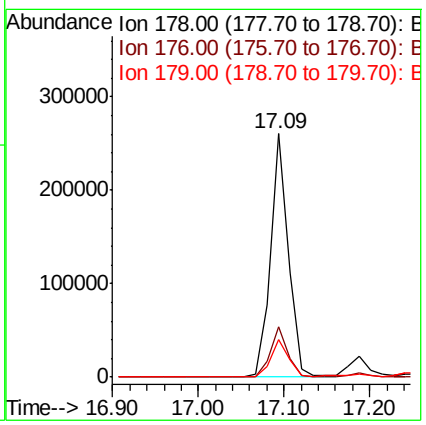


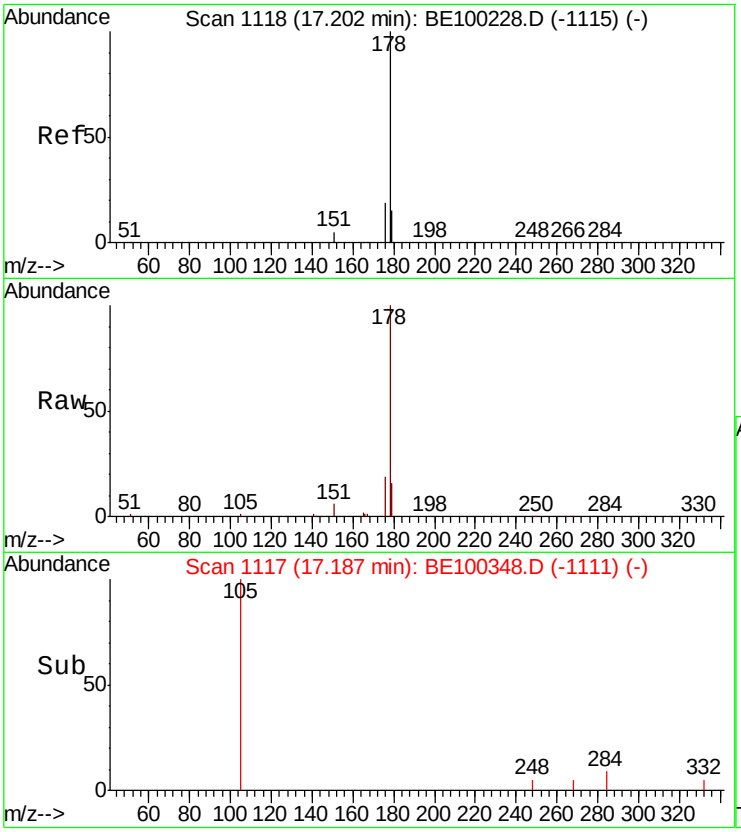


#23
Phenanthrene
Concen: 27.255 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:178 Resp: 372966

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.9	23.9
179	15.6	12.2	18.2

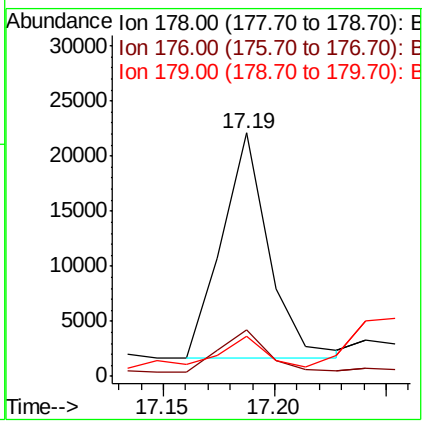




#24
Anthracene
Concen: 2.463 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:178 Resp: 30355

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.0	12.2	18.2



Instrument :
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ClientSampleId :
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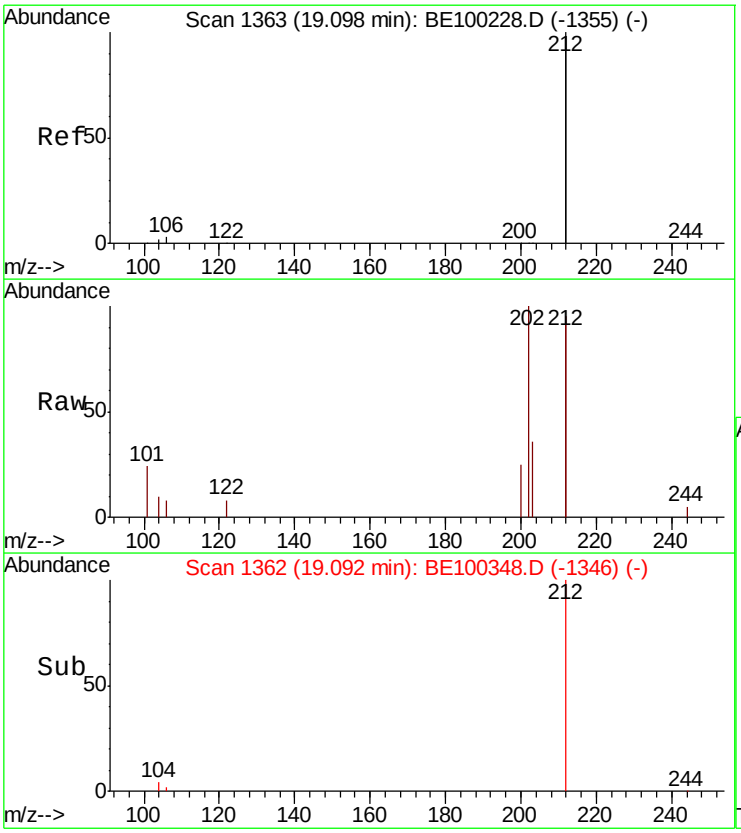
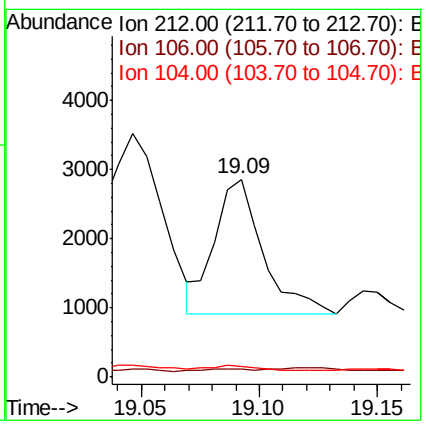
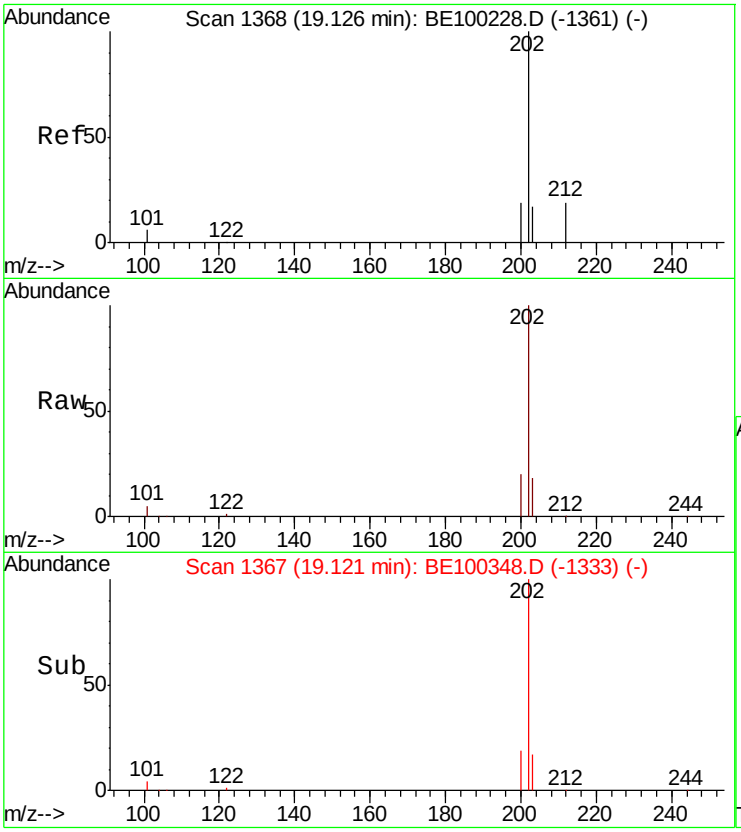


#25
Fluoranthene-d10
Concen: 0.034 ng
RT: 19.09 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:212 Resp: 2794

Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	3.7	0.8	1.2#

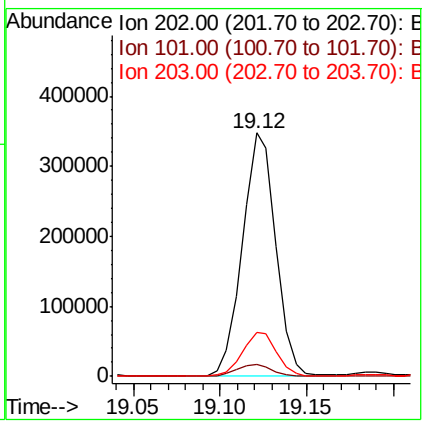




#26
Fluoranthene
Concen: 21.352 ng
RT: 19.12 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:202 Resp: 465395

Ion	Ratio	Lower	Upper
202	100		
101	4.9	4.6	7.0
203	18.2	13.7	20.5



Instrument :
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ClientSampleId :
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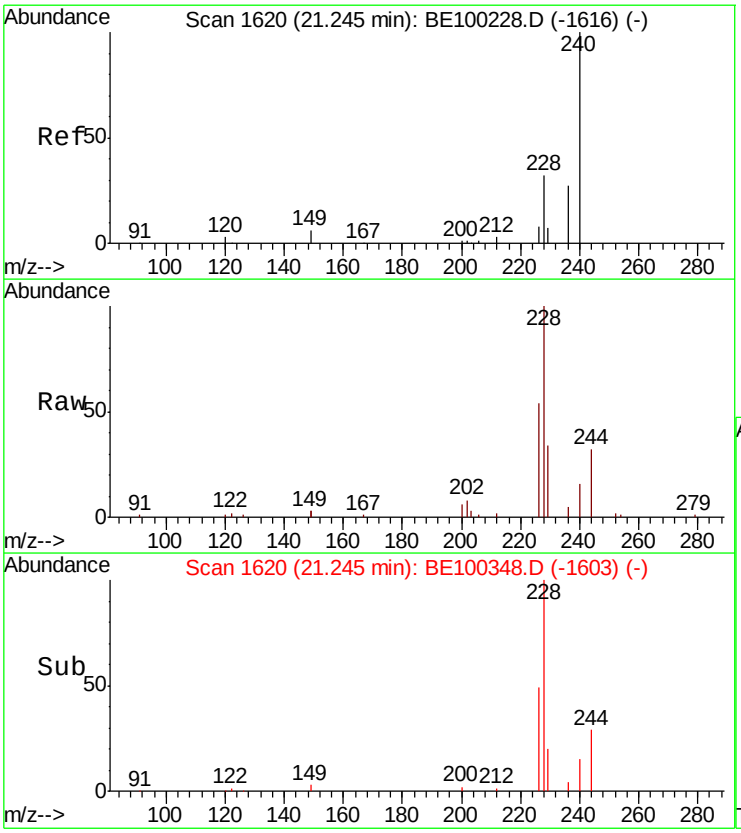
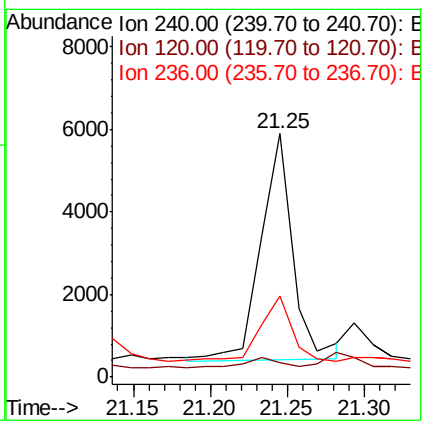
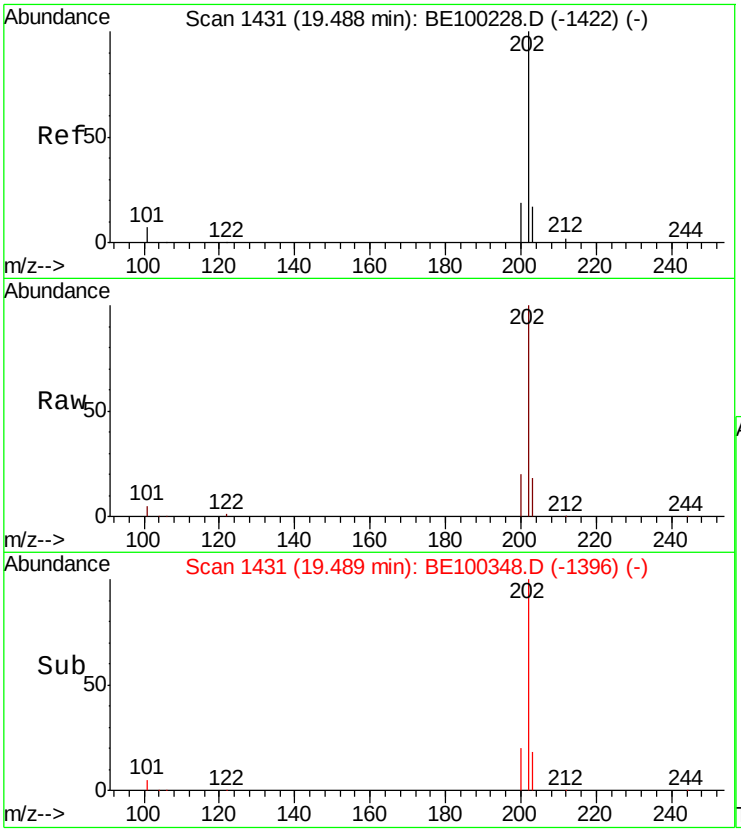


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:240 Resp: 7993

Ion	Ratio	Lower	Upper
240	100		
120	5.9	3.3	4.9#
236	33.0	22.6	34.0





#28
Pyrene
Concen: 32.955 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:202 Resp: 697395

Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.6	23.4
203	20.9	14.0	21.0

Instrument :
BNA_E
ClientSampleId :
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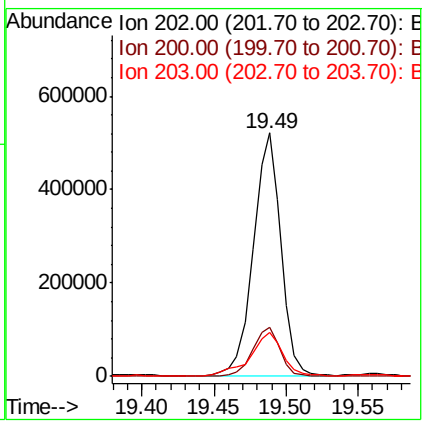
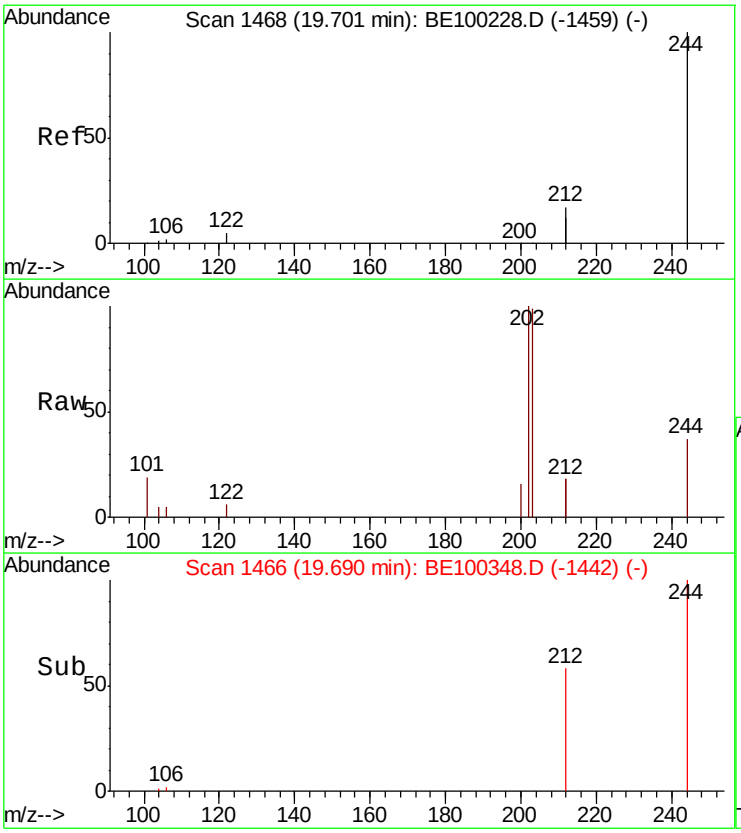
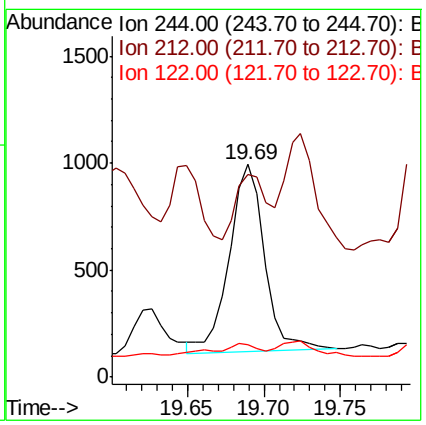


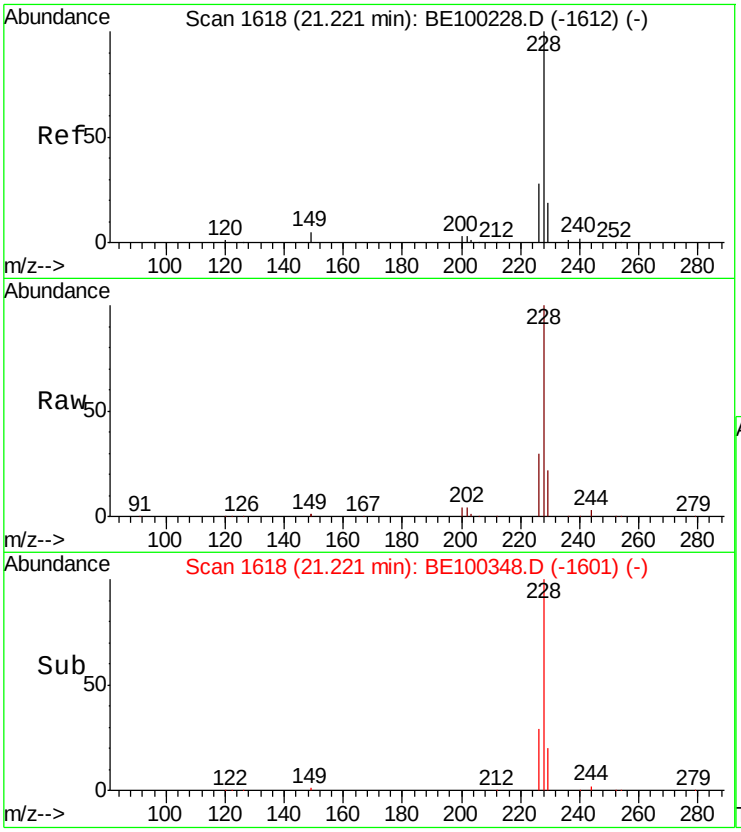


#29
Terphenyl-d14
Concen: 0.085 ng
RT: 19.69 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:244 Resp: 1416

Ion	Ratio	Lower	Upper
244	100		
212	95.6	27.3	40.9#
122	15.4	4.7	7.1#





#30
Benzo(a)anthracene
Concen: 12.061 ng
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:228 Resp: 316981

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.2	34.8
229	21.8	15.7	23.5

Instrument :
BNA_E
ClientSampleId :
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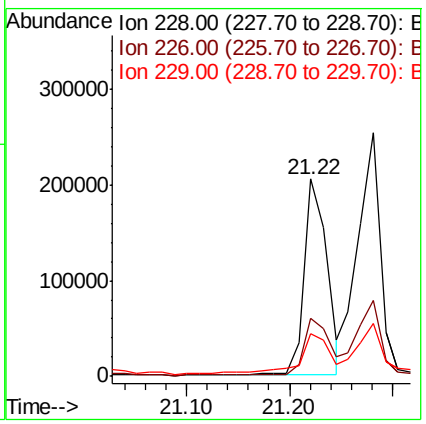
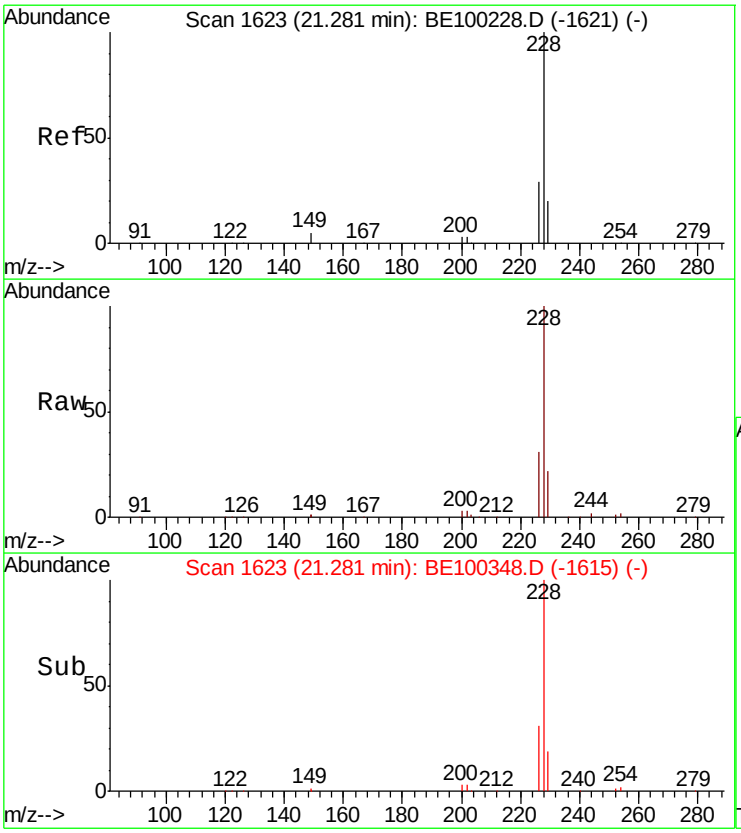
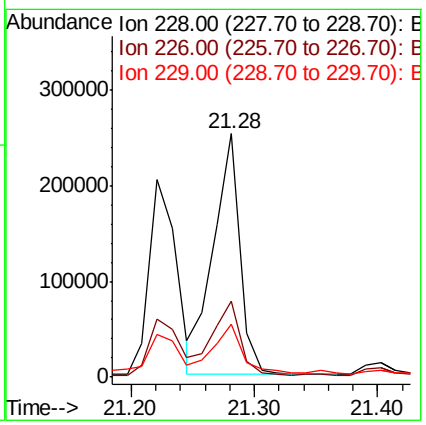


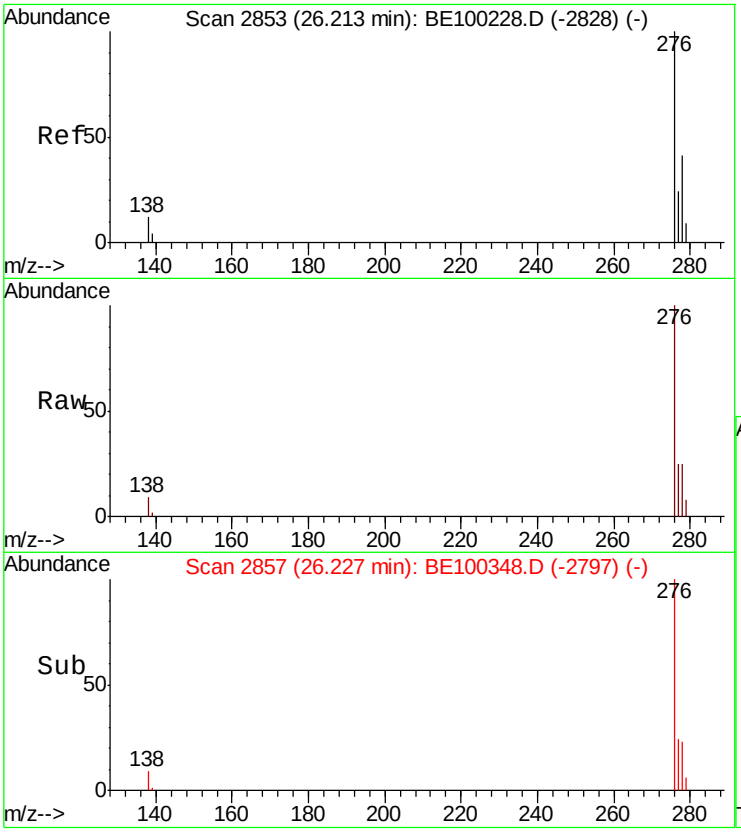


#31
Chrysene
Concen: 14.488 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:228 Resp: 382335

Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.9	35.9
229	21.8	16.5	24.7





#33
Indeno(1,2,3-cd)pyrene
Concen: 4.629 ng
RT: 26.23 min Scan# 2857
Delta R.T. 0.01 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:276 Resp: 161577

Ion	Ratio	Lower	Upper
276	100		
138	9.0	9.4	14.0#
277	24.6	19.2	28.8

Instrument :
BNA_E
ClientSampleId :
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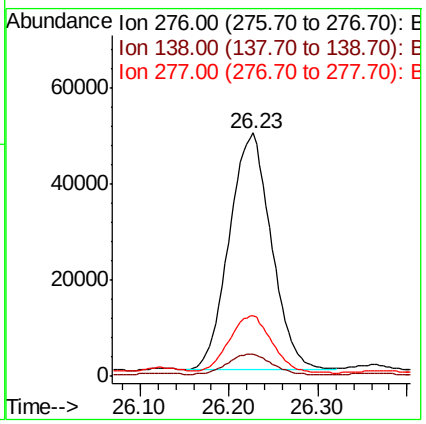
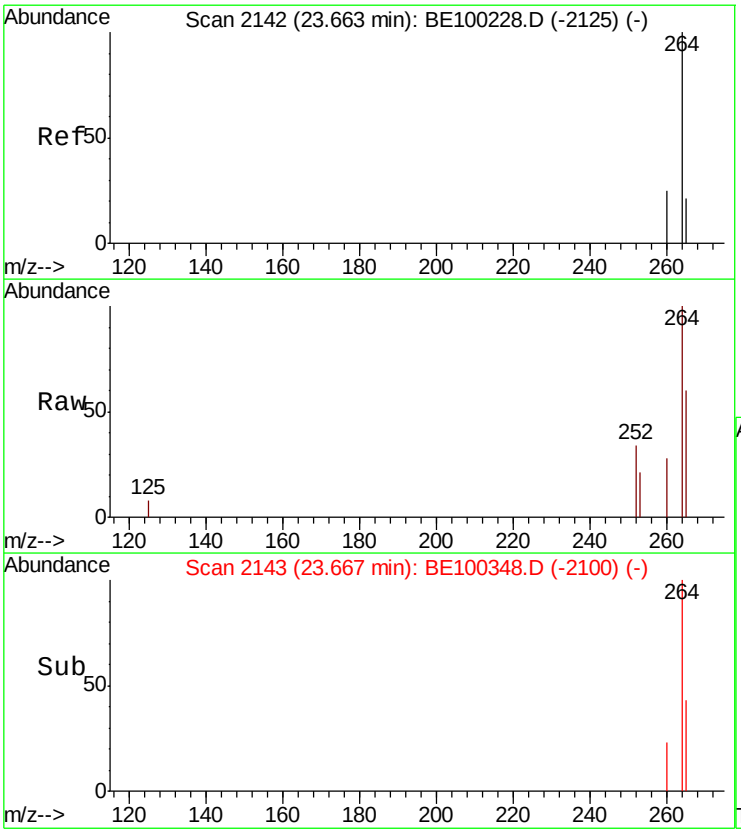
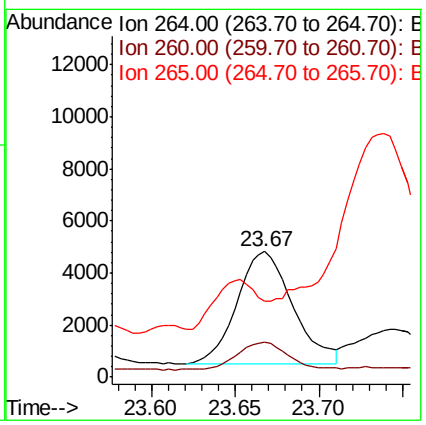


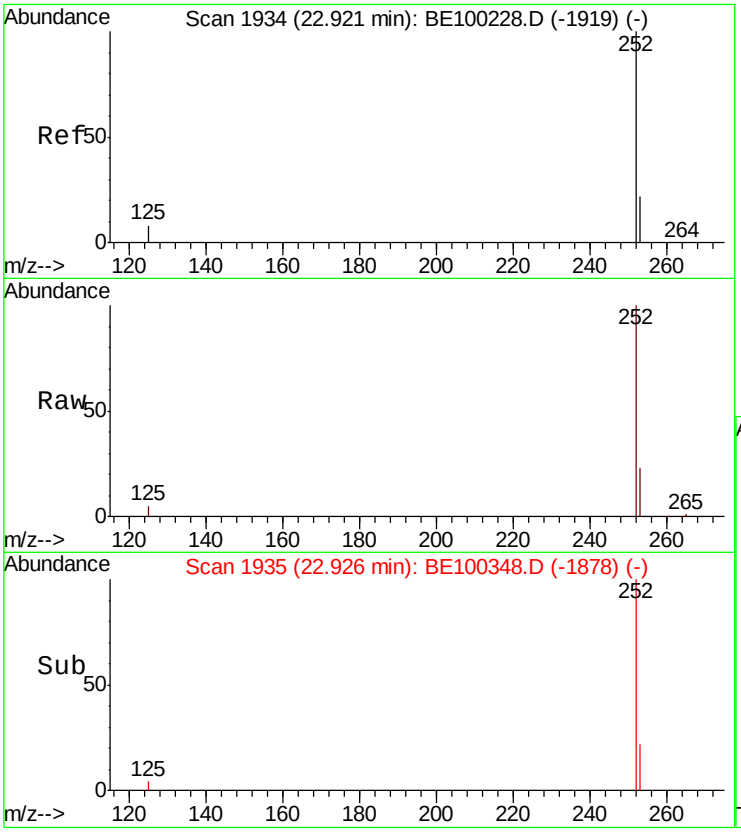


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2143
Delta R.T. 0.00 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:264 Resp: 10042

Ion	Ratio	Lower	Upper
264	100		
260	28.1	20.8	31.2
265	60.5	21.8	32.6#





#35
Benzo(b)fluoranthene
Concen: 11.099 ng
RT: 22.93 min Scan# 1935
Delta R.T. 0.00 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:252 Resp: 302183

Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.2	28.8
125	4.6	7.4	11.0#

Instrument :
BNA_E
ClientSampleId :
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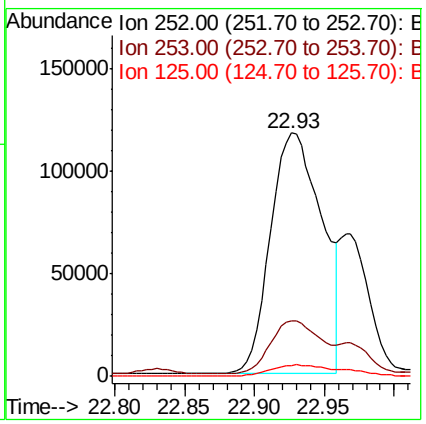
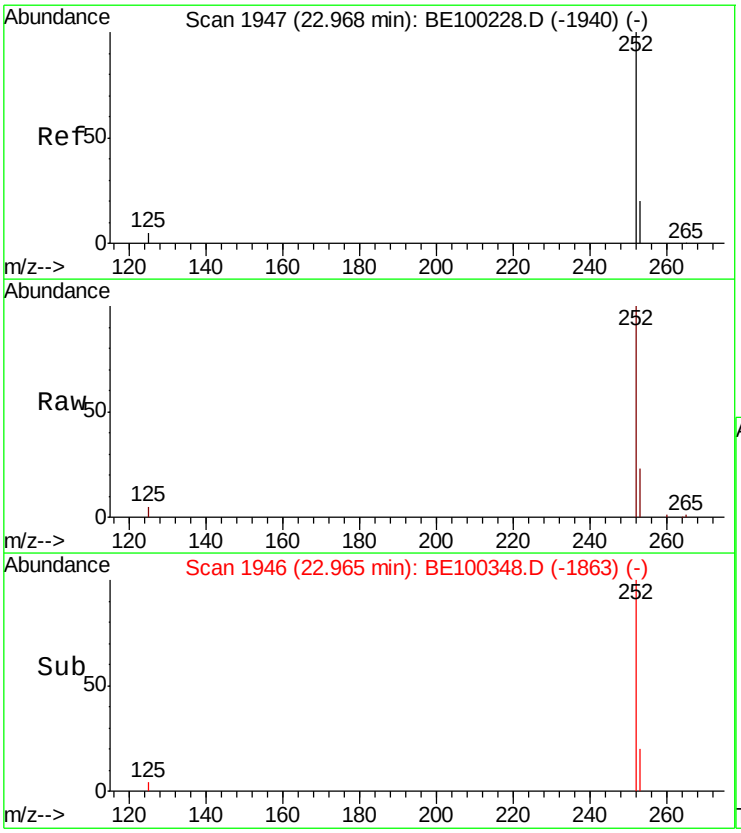
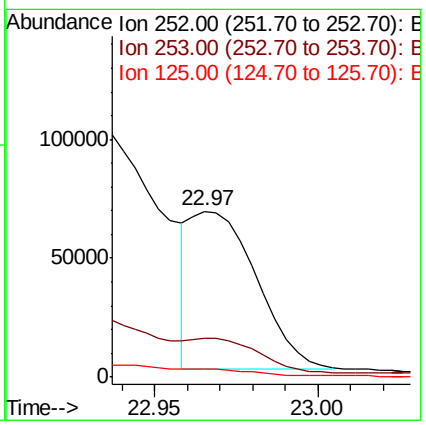


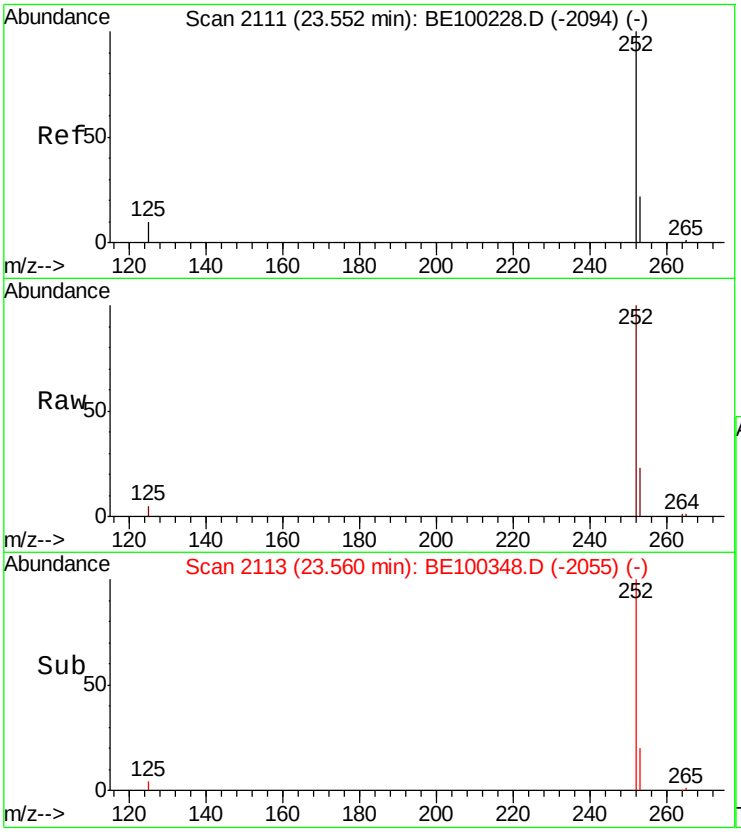


#36
Benzo(k)fluoranthene
Concen: 3.043 ng m
RT: 22.97 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:252 Resp: 92491

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	4.6	5.0	7.4#





#37
Benzo(a)pyrene
Concen: 9.379 ng
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:252 Resp: 255921

Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.6	29.4
125	4.7	9.0	13.6#

Instrument :
BNA_E
ClientSampleId :
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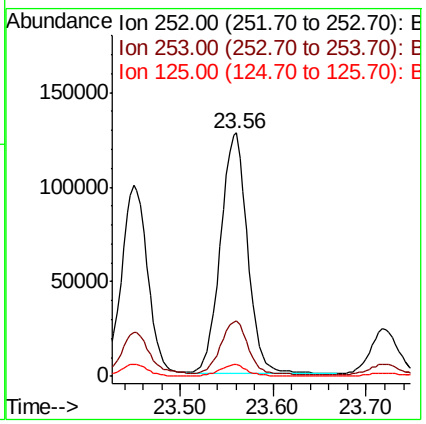
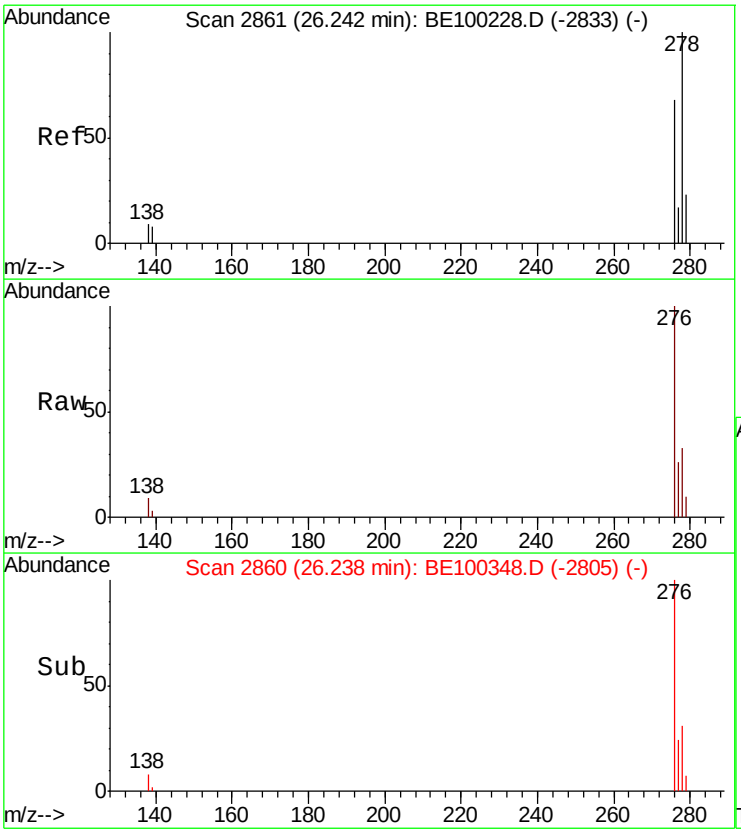
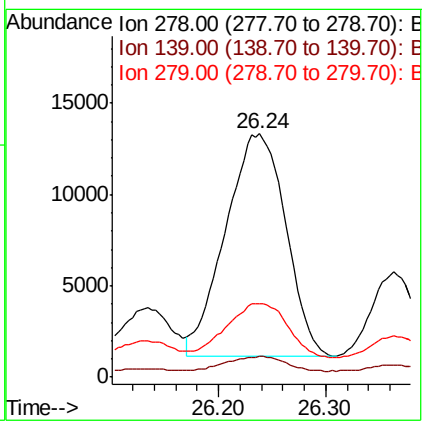


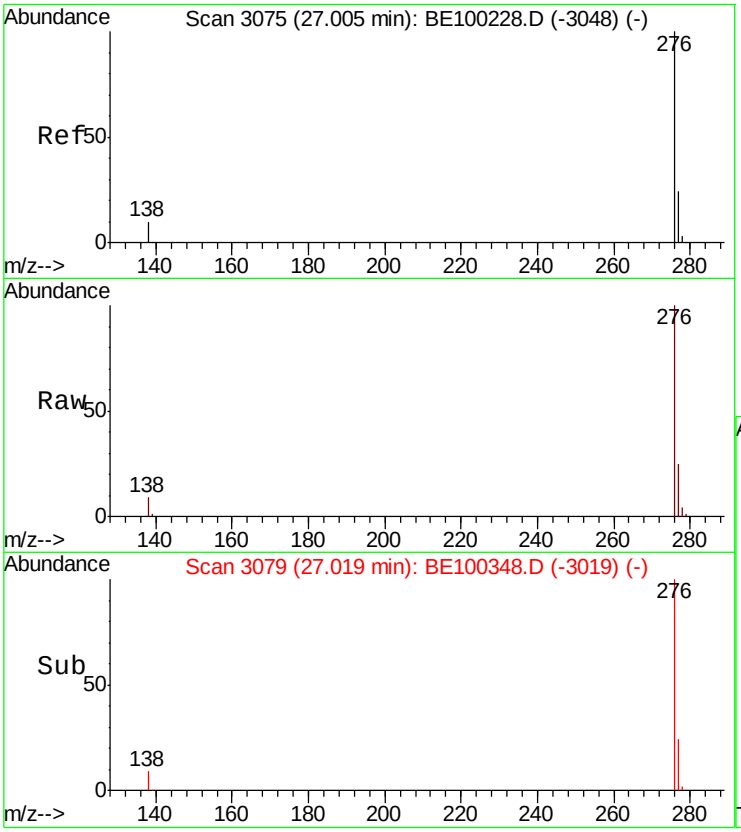


#38
Dibenzo(a,h)anthracene
Concen: 1.659 ng
RT: 26.24 min Scan# 2860
Delta R.T. -0.00 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:278 Resp: 47272

Ion	Ratio	Lower	Upper
278	100		
139	8.4	8.2	12.2
279	30.4	20.3	30.5

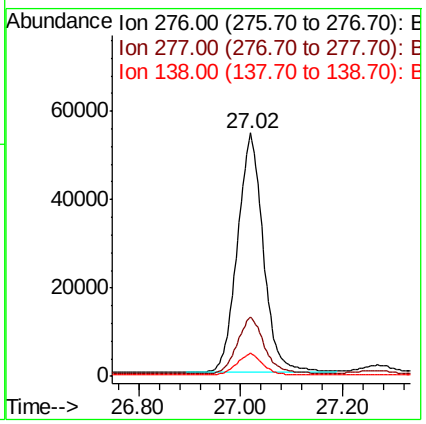




#39
Benzo(g,h,i)perylene
Concen: 6.553 ng
RT: 27.02 min Scan# 3079
Delta R.T. 0.01 min
Lab File: BE100348.D
Acq: 4 Jul 2019 2:59

Tgt Ion:276 Resp: 191854

Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.2	30.2
138	9.4	9.0	13.6



Instrument :
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ClientSampleId :
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