Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070819\
Data File : BE100409.D
Acq On : 8 Jul 2019 13:12
Operator : JU/SJ
Sample : PB121046BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB121046BS

Manual Integrations APPROVED
mohammad
7/10/2019 9:03:48 AM

Quant Time: Jul 08 15:32:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 08 15:19:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	493	0.40	ng		0.00
7) Naphthalene-d8	10.41	136	1492	0.40	ng		-0.01
13) Acenaphthene-d10	14.30	164	927	0.40	ng		0.00
19) Phenanthrene-d10	17.04	188	2825	0.40	ng		0.00
27) Chrysene-d12	21.23	240	3032	0.40	ng		0.00
34) Perylene-d12	23.64	264	4602	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.21	112	408	0.32	ng		0.03
5) Phenol-d6	6.82	99	504	0.30	ng		-0.03
8) Nitrobenzene-d5	8.80	82	391	0.26	ng		-0.01
11) 2-Methylnaphthalene-d10	12.02	152	1645	0.59	ng		-0.01
14) 2,4,6-Tribromophenol	15.82	330	194	0.30	ng		0.01
15) 2-Fluorobiphenyl	12.93	172	1479	0.41	ng		0.00
25) Fluoranthene-d10	19.08	212	13721	0.33	ng		0.00
29) Terphenyl-d14	19.70	244	2545	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.07	88	240	0.314	ng	#	54
3) n-Nitrosodimethylamine	3.43	42	131	0.367	ng	#	50
6) bis(2-Chloroethyl)ether	7.06	93	330	0.243	ng	#	44
9) Naphthalene	10.46	128	6072	0.369	ng		98
10) Hexachlorobutadiene	10.73	225	680	0.429	ng		96
12) 2-Methylnaphthalene	12.11	142	840	0.291	ng		96
16) Acenaphthylene	14.02	152	1737	0.390	ng		97
17) Acenaphthene	14.36	154	918	0.364	ng		99
18) Fluorene	15.34	166	1418	0.380	ng		99
20) 4-Bromophenyl-phenylether	16.24	248	654	0.363	ng		97
21) Hexachlorobenzene	16.34	284	763	0.408	ng		98
22) Pentachlorophenol	16.83	266	67m	0.119	ng		
23) Phenanthrene	17.09	178	2374	0.347	ng		100
24) Anthracene	17.19	178	1849	0.300	ng		98
26) Fluoranthene	19.11	202	3664	0.336	ng		100
28) Pyrene	19.48	202	3706	0.462	ng		100
30) Benzo(a)anthracene	21.22	228	3247	0.326	ng		96
31) Chrysene	21.27	228	3659	0.366	ng		98
32) Bis(2-ethylhexyl)phthalate	21.12	149	4035	0.229	ng		99
33) Indeno(1,2,3-cd)pyrene	26.18	276	6673	0.504	ng		97
35) Benzo(b)fluoranthene	22.90	252	3657	0.293	ng		98
36) Benzo(k)fluoranthene	22.95	252	5427	0.390	ng	#	96
37) Benzo(a)pyrene	23.54	252	4628	0.370	ng	#	95
38) Dibenzo(a,h)anthracene	26.21	278	5761	0.441	ng		97
39) Benzo(g,h,i)perylene	26.96	276	7256	0.541	ng		97

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

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Instrument :
BNA_E
ClientSampleId :
PB121046BS

Manual Integrations APPROVED
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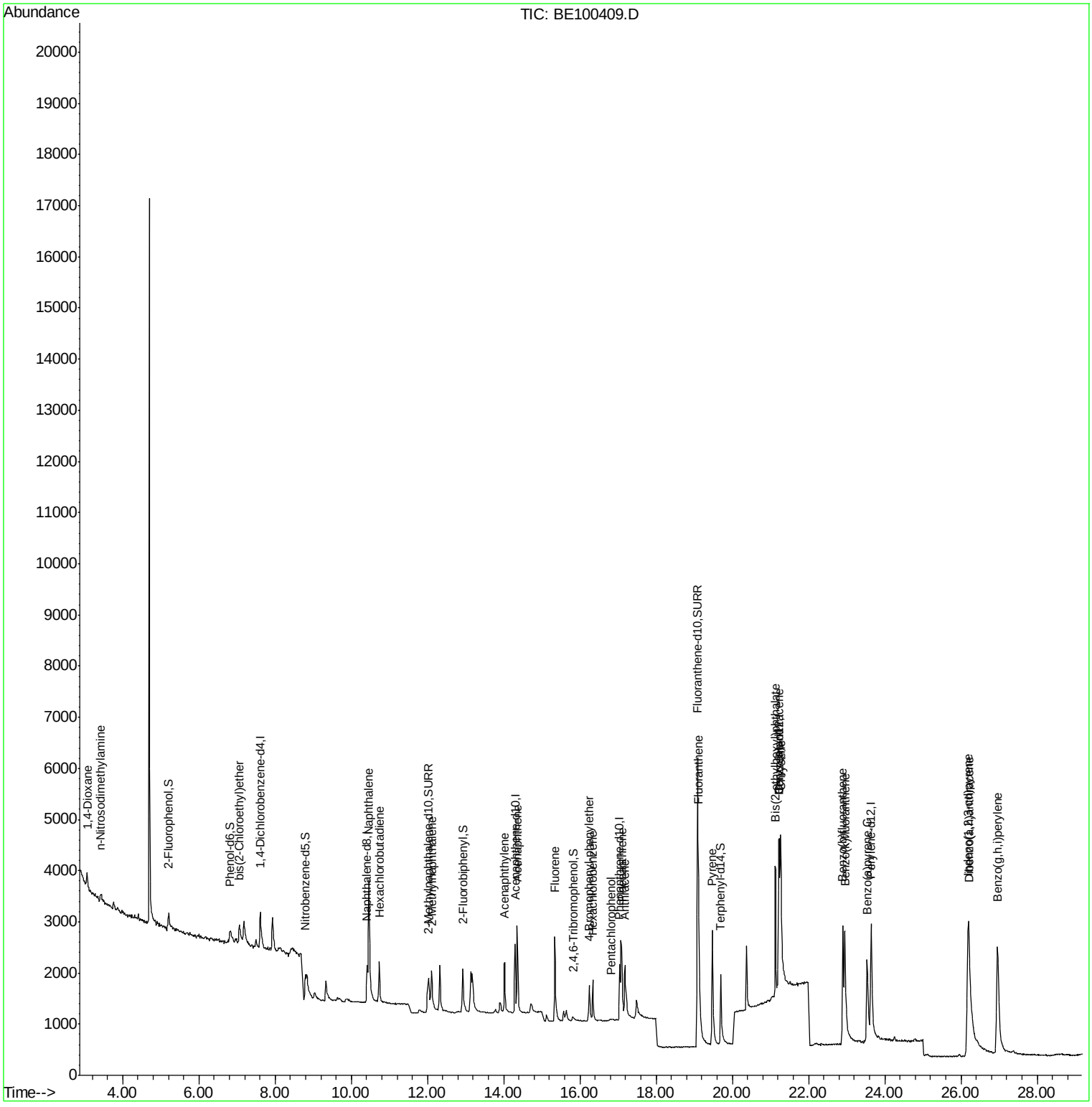
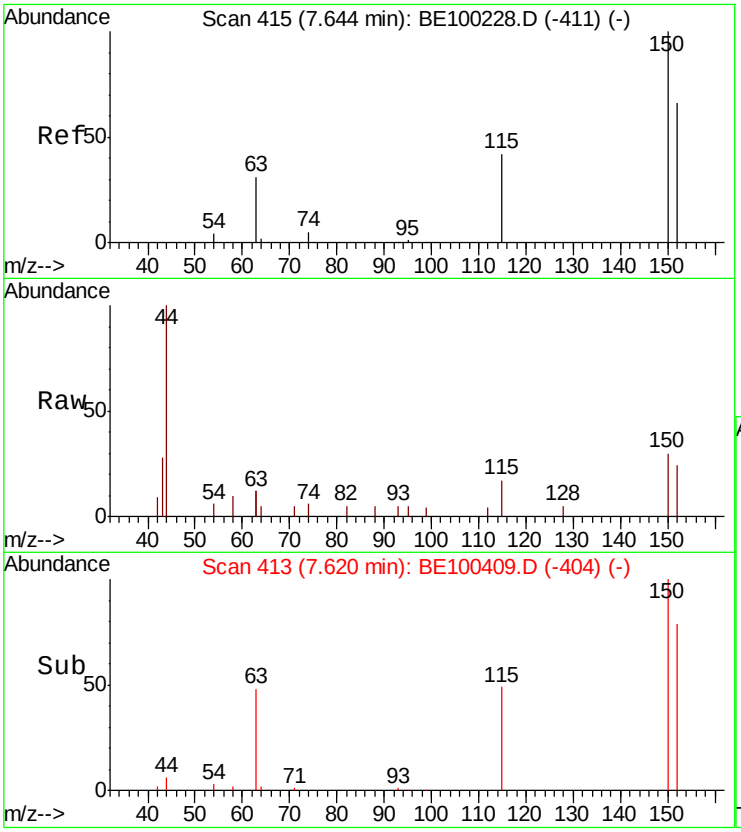
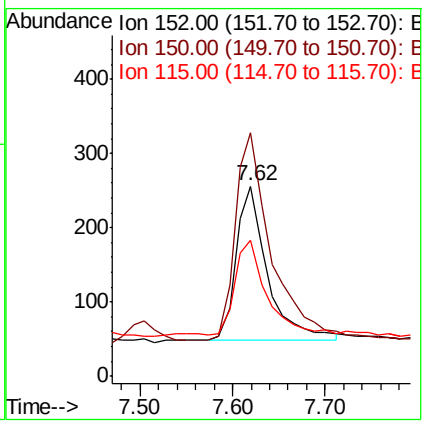




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 413
Delta R.T. 0.01 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:152 Resp: 493

Ion	Ratio	Lower	Upper
152	100		
150	128.1	99.6	149.4
115	71.5	61.4	92.0



Instrument :
BNA_E
ClientSampleId :
PB121046BS

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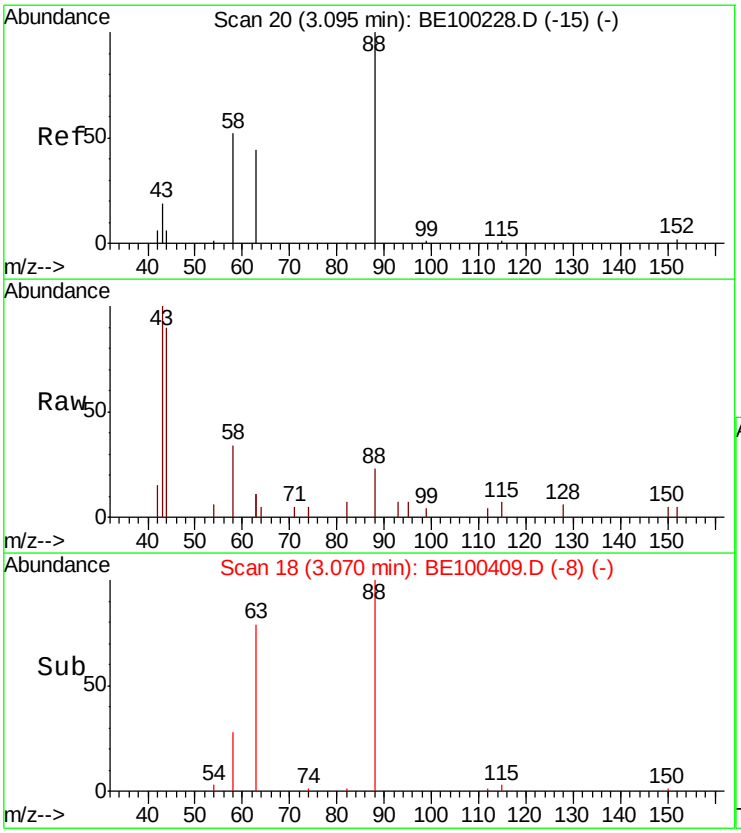
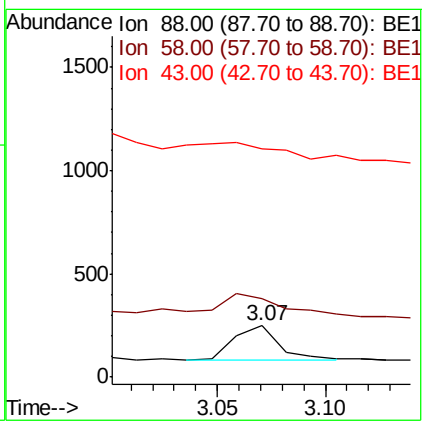
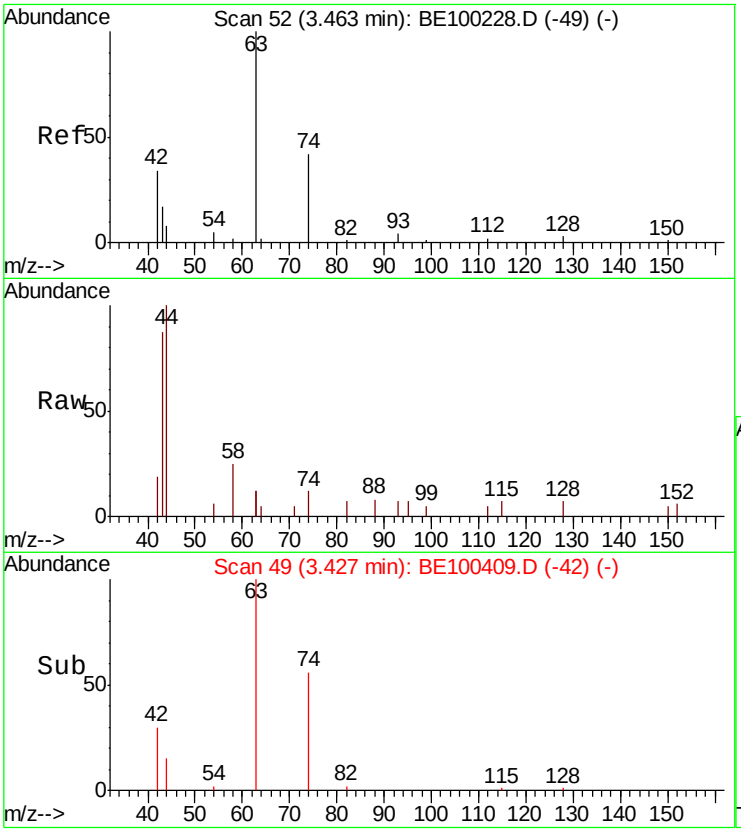


#2
1,4-Dioxane
Concen: 0.314 ng
RT: 3.07 min Scan# 18
Delta R.T. 0.02 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion: 88 Resp: 240

Ion	Ratio	Lower	Upper
88	100		
58	75.0	38.5	57.7#
43	0.0	23.8	35.8#





#3
n-Nitrosodimethylamine
Concen: 0.367 ng
RT: 3.43 min Scan# 49
Delta R.T. -0.01 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion: 42 Resp: 131

Ion	Ratio	Lower	Upper
42	100		
74	190.1	104.9	157.3#
44	151.9	0.0	0.0#

Instrument :
BNA_E
ClientSampleId :
PB121046BS

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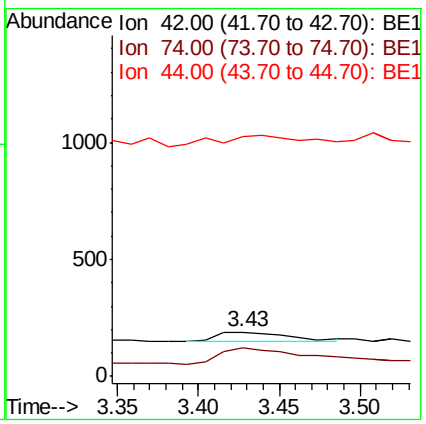
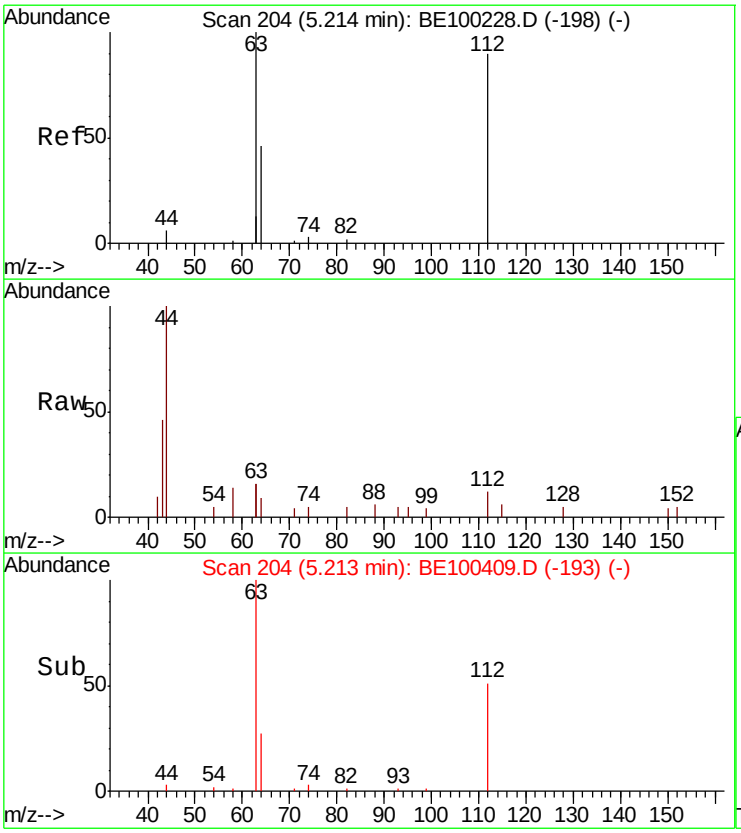
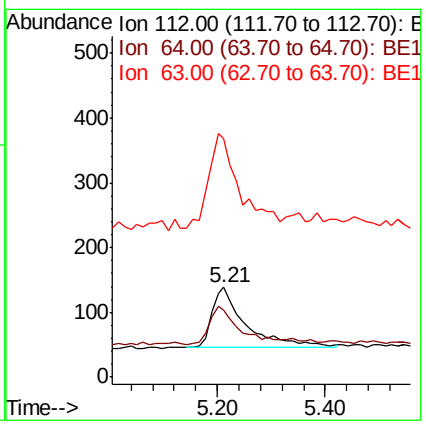


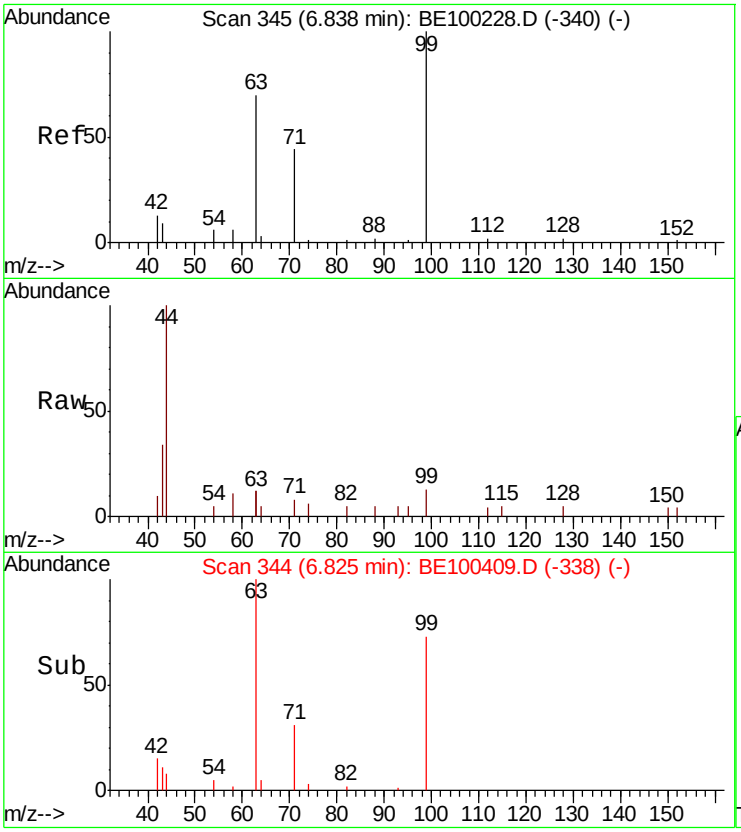


#4
2-Fluorophenol
Concen: 0.324 ng
RT: 5.21 min Scan# 204
Delta R.T. 0.03 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:112 Resp: 408

Ion	Ratio	Lower	Upper
112	100		
64	54.7	44.7	67.1
63	142.2	89.9	134.9#





#5
Phenol-d6
Concen: 0.305 ng
RT: 6.82 min Scan# 344
Delta R.T. -0.03 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion: 99 Resp: 504

Ion	Ratio	Lower	Upper
99	100		
42	0.0	0.0	0.0
71	0.0	34.6	51.8#

Instrument :
BNA_E
ClientSampleId :
PB121046BS

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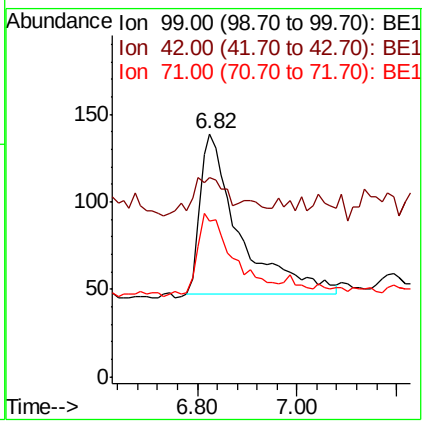
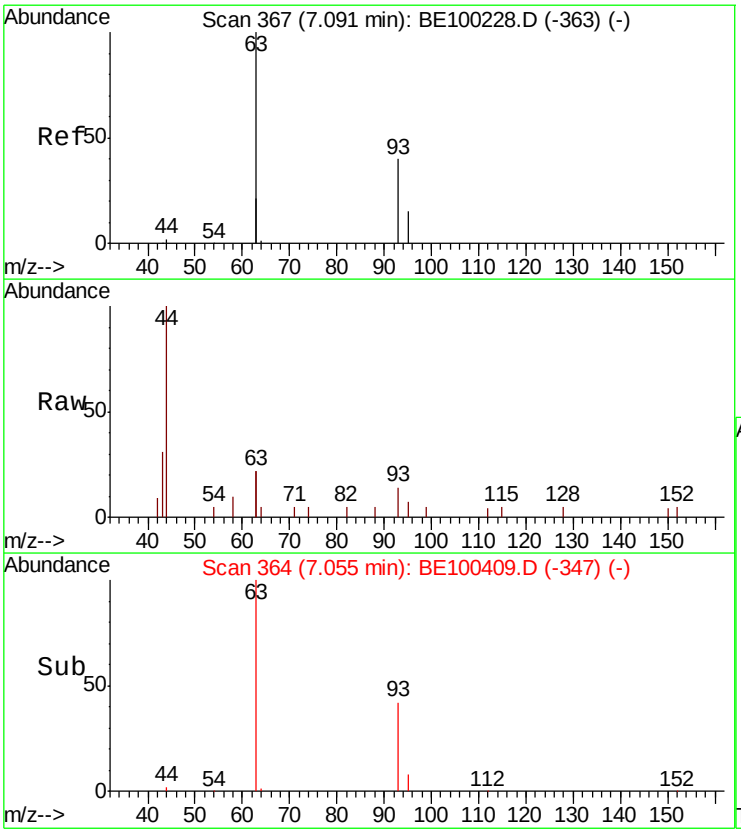
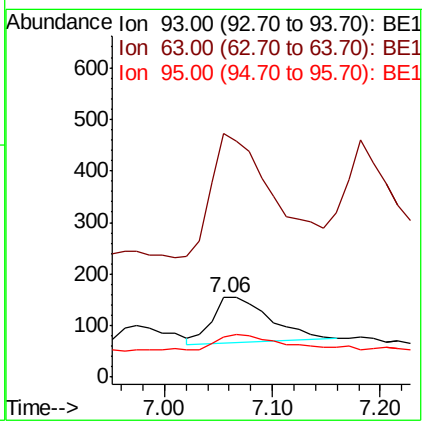


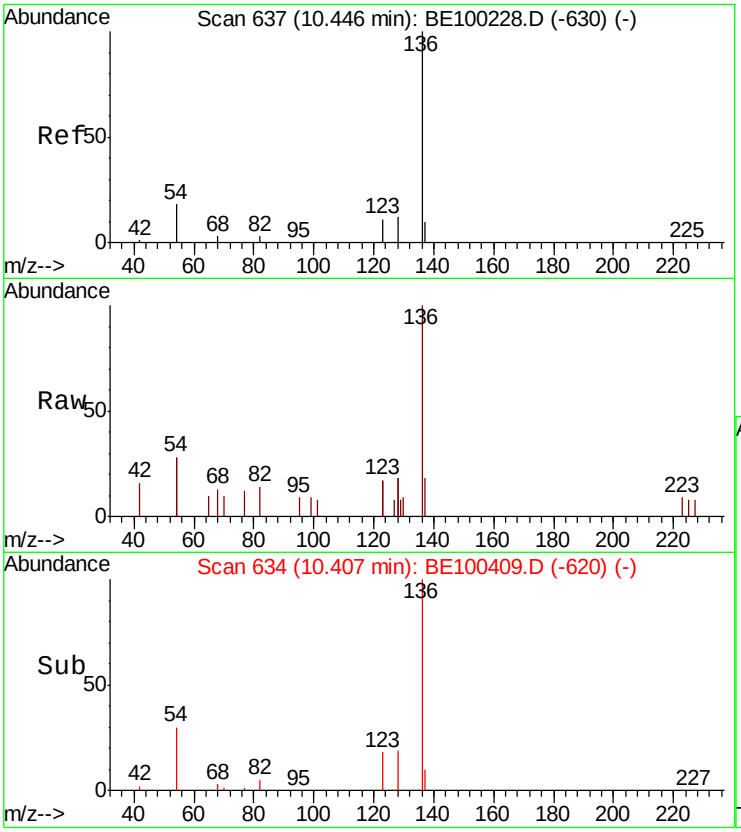


#6
bis(2-Chloroethyl)ether
Concen: 0.243 ng
RT: 7.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion: 93 Resp: 330

Ion	Ratio	Lower	Upper
93	100		
63	294.5	156.0	234.0#
95	49.7	35.4	53.0

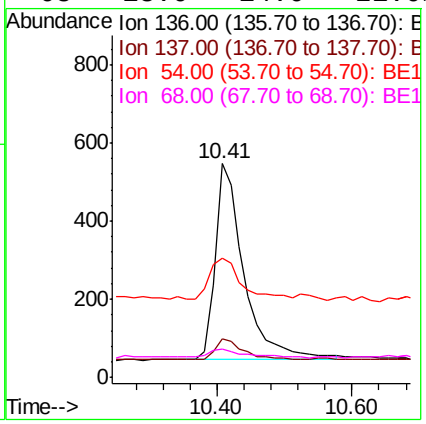




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.41 min Scan# 634
Delta R.T. -0.01 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:136 Resp: 1492

Ion	Ratio	Lower	Upper
136	100		
137	18.1	17.4	26.2
54	55.6	59.0	88.4#
68	13.0	14.0	21.0#



Instrument :
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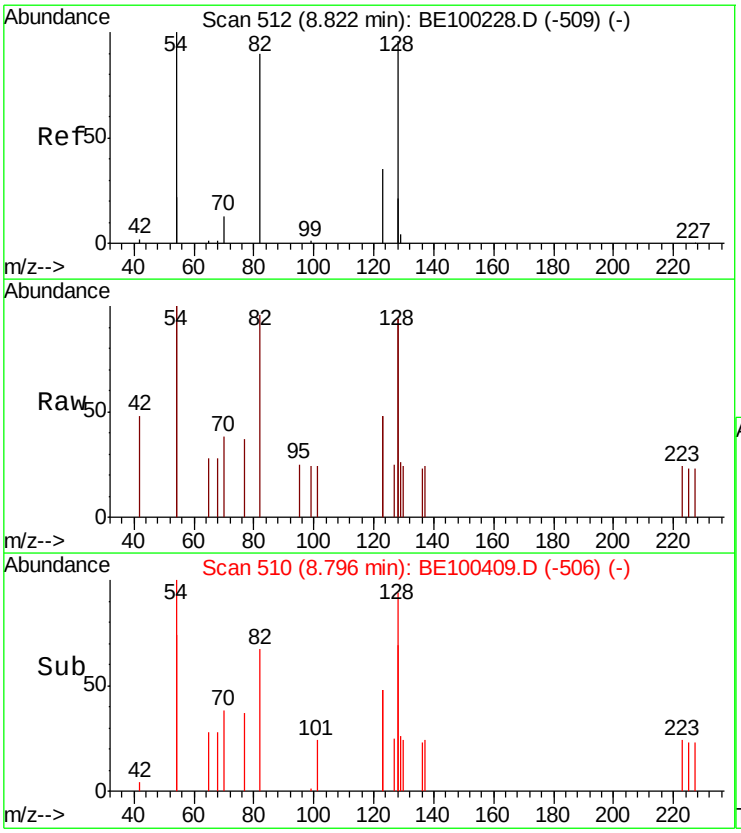
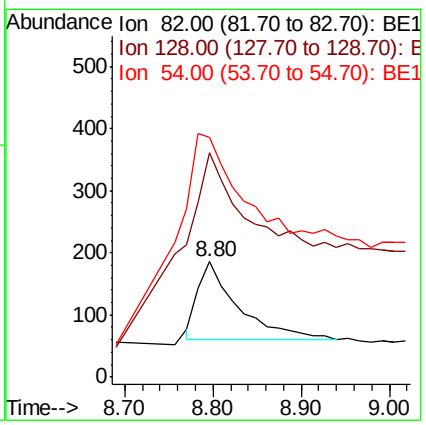
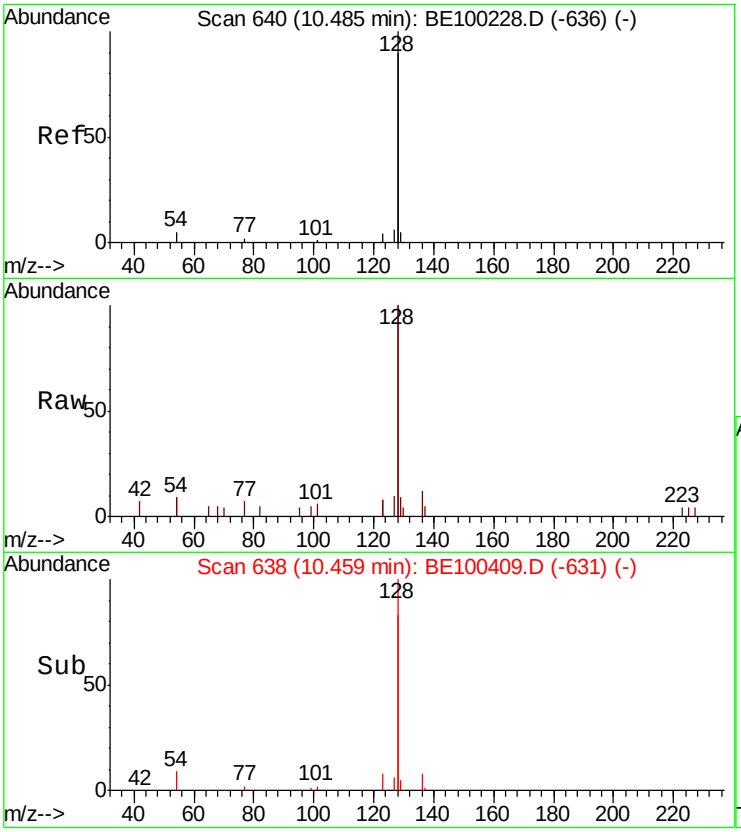


#8
Nitrobenzene-d5
Concen: 0.264 ng
RT: 8.80 min Scan# 510
Delta R.T. -0.01 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion: 82 Resp: 391

Ion	Ratio	Lower	Upper
82	100		
128	194.6	190.6	285.8
54	207.5	201.5	302.3

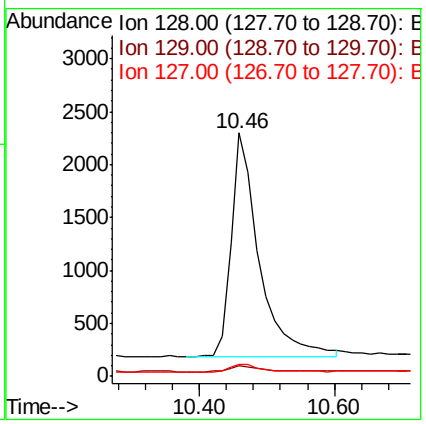




#9
Naphthalene
Concen: 0.369 ng
RT: 10.46 min Scan# 638
Delta R.T. -0.01 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:128 Resp: 6072

Ion	Ratio	Lower	Upper
128	100		
129	4.4	4.2	6.2
127	4.9	4.4	6.6



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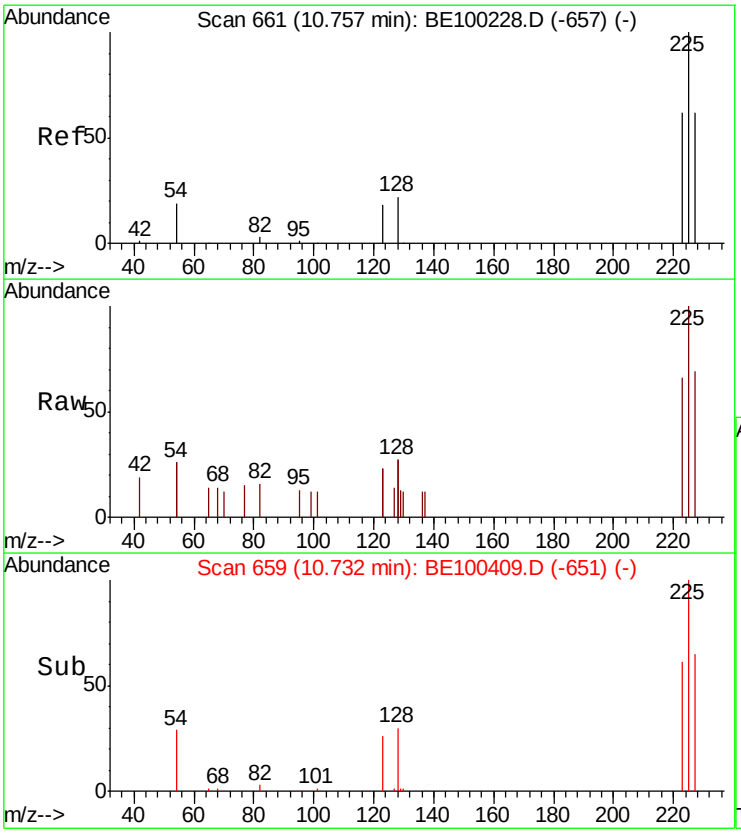
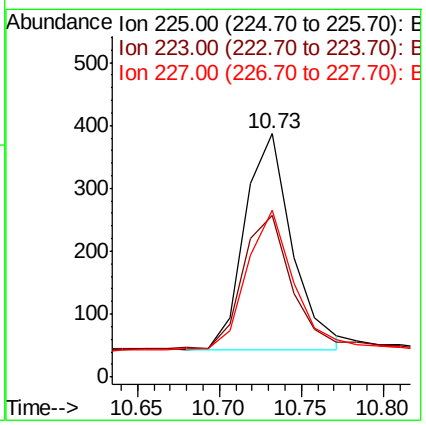
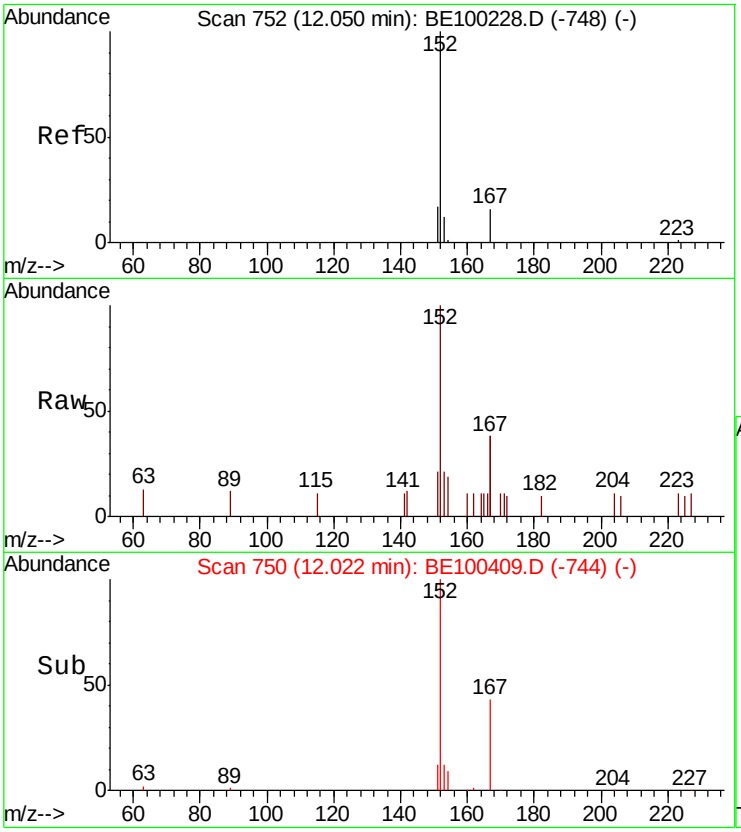


#10
Hexachlorobutadiene
Concen: 0.429 ng
RT: 10.73 min Scan# 659
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:225 Resp: 680

Ion	Ratio	Lower	Upper
225	100		
223	64.0	48.4	72.6
227	64.9	53.8	80.6





#11
2-Methylnaphthalene-d10
Concen: 0.586 ng
RT: 12.02 min Scan# 750
Delta R.T. -0.01 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:152 Resp: 1645

Ion	Ratio	Lower	Upper
152	100		
151	11.8	16.8	25.2#

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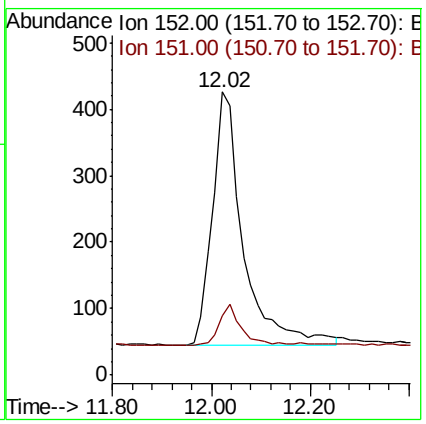
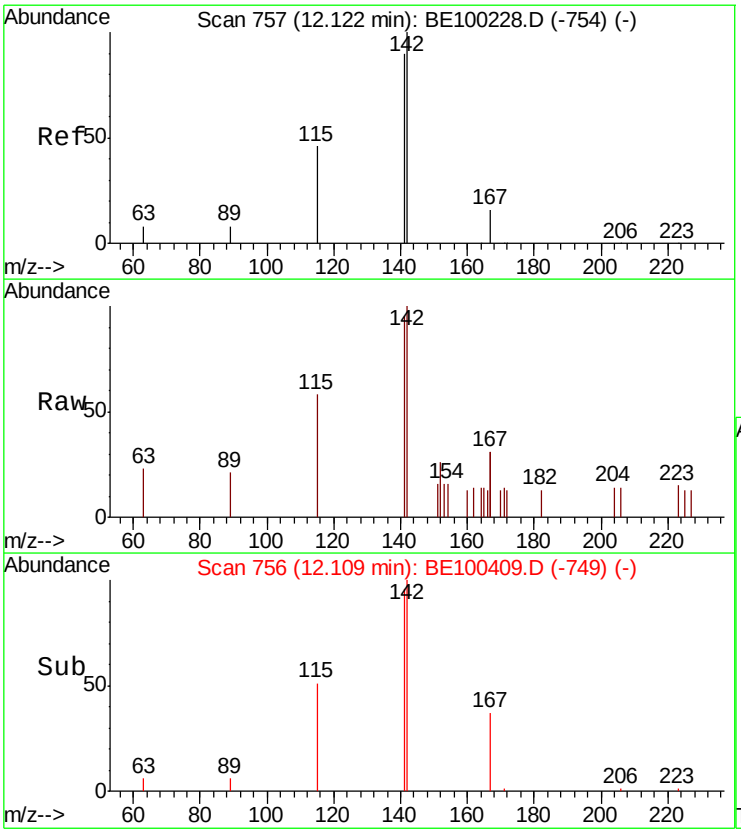
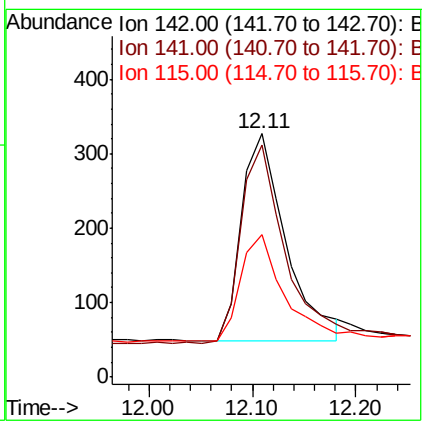


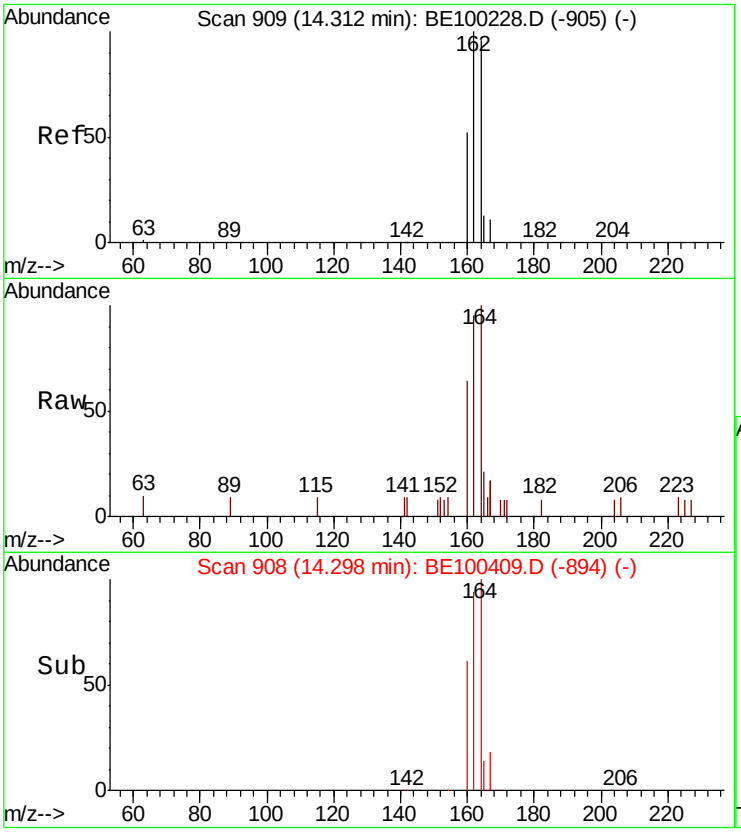


#12
2-Methylnaphthalene
Concen: 0.291 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:142 Resp: 840

Ion	Ratio	Lower	Upper
142	100		
141	95.1	71.3	106.9
115	58.4	47.4	71.0

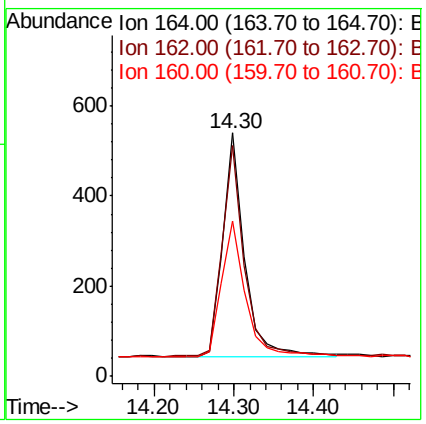




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:164 Resp: 927

Ion	Ratio	Lower	Upper
164	100		
162	94.8	78.9	118.3
160	63.7	53.7	80.5



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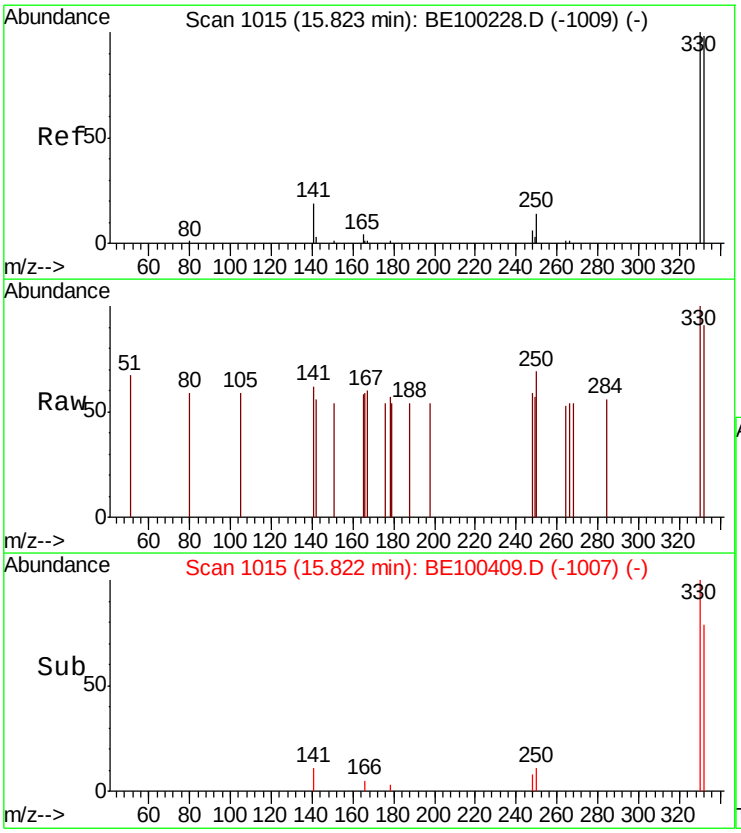
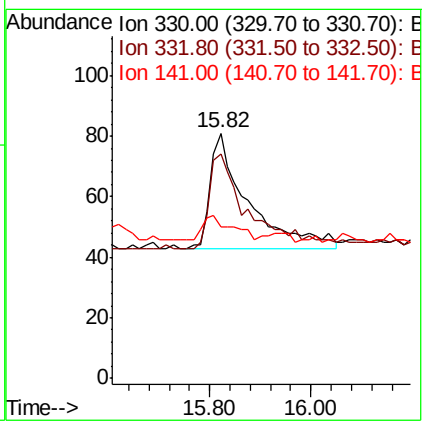
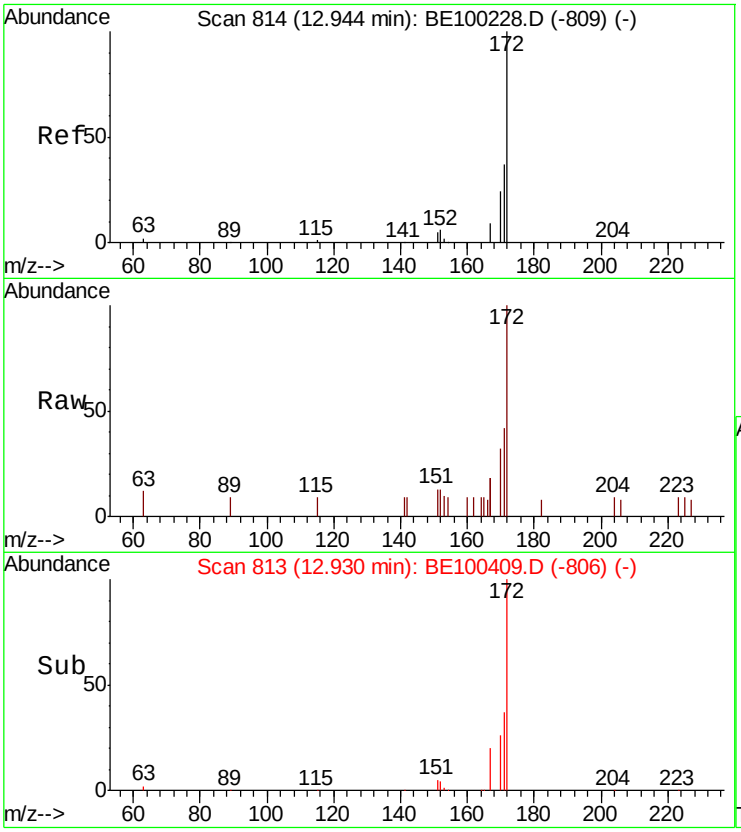


#14
2,4,6-Tribromophenol
Concen: 0.299 ng
RT: 15.82 min Scan# 1015
Delta R.T. 0.01 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:330 Resp: 194

Ion	Ratio	Lower	Upper
330	100		
332	86.1	75.0	112.4
141	18.0	19.0	28.6#

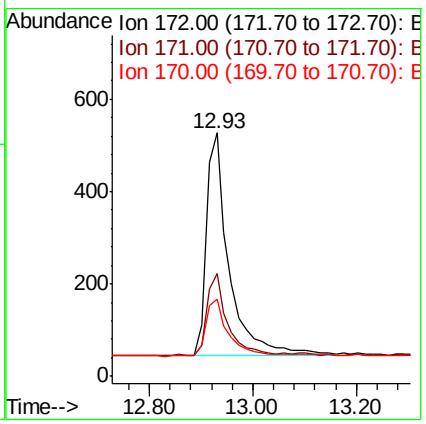




#15
2-Fluorobiphenyl
Concen: 0.409 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:172 Resp: 1479

Ion	Ratio	Lower	Upper
172	100		
171	42.3	33.2	49.8
170	31.7	25.9	38.9



Instrument :
BNA_E
ClientSampleId :
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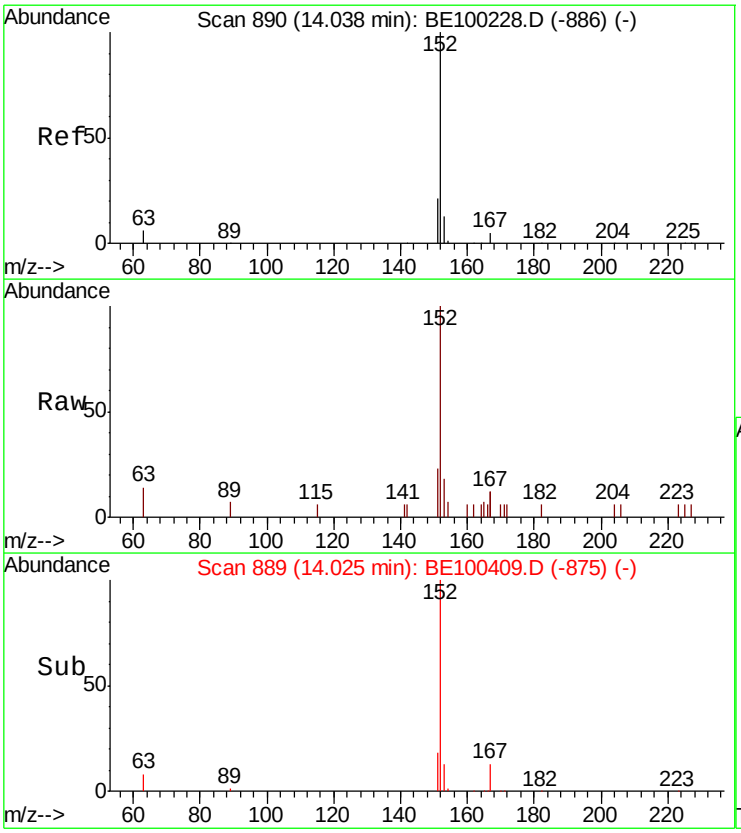
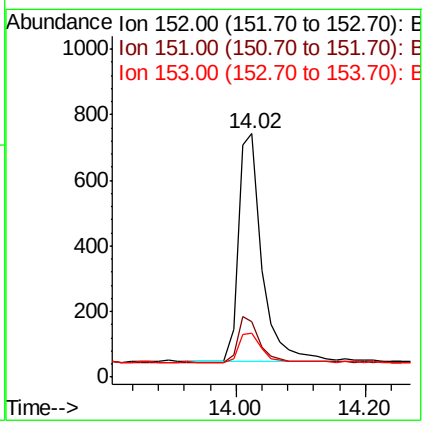
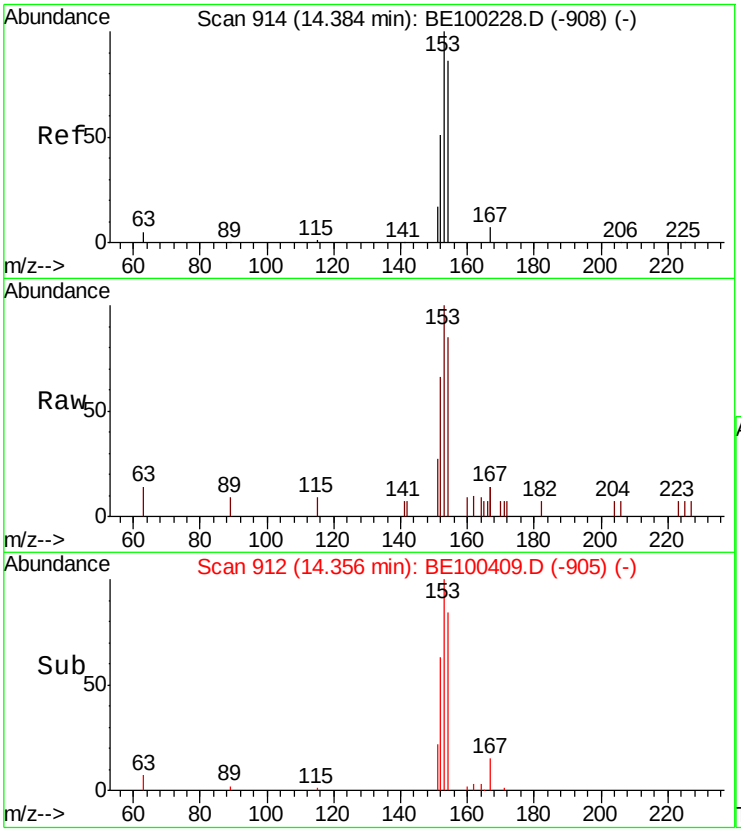


#16
Acenaphthylene
Concen: 0.390 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:152 Resp: 1737

Ion	Ratio	Lower	Upper
152	100		
151	19.3	17.0	25.6
153	13.9	11.2	16.8

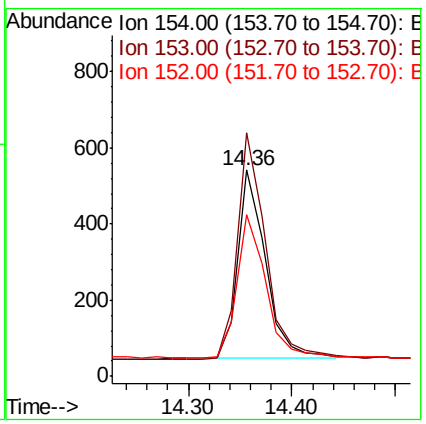




#17
Acenaphthene
Concen: 0.364 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:154 Resp: 918

Ion	Ratio	Lower	Upper
154	100		
153	122.3	99.5	149.3
152	80.4	63.7	95.5



Instrument :
BNA_E
ClientSampleId :
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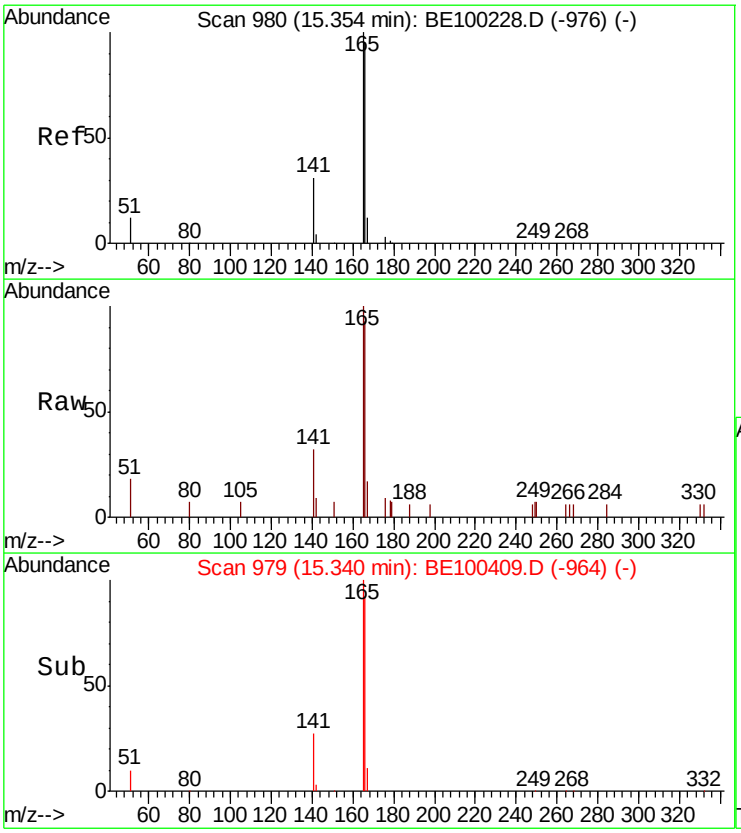
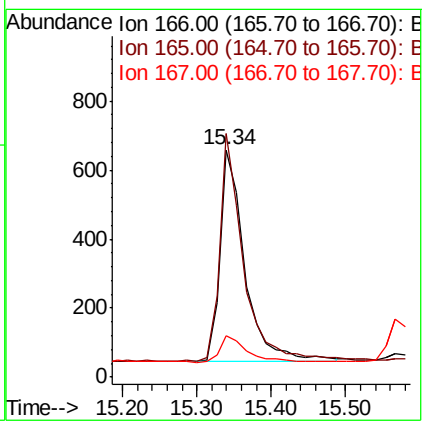
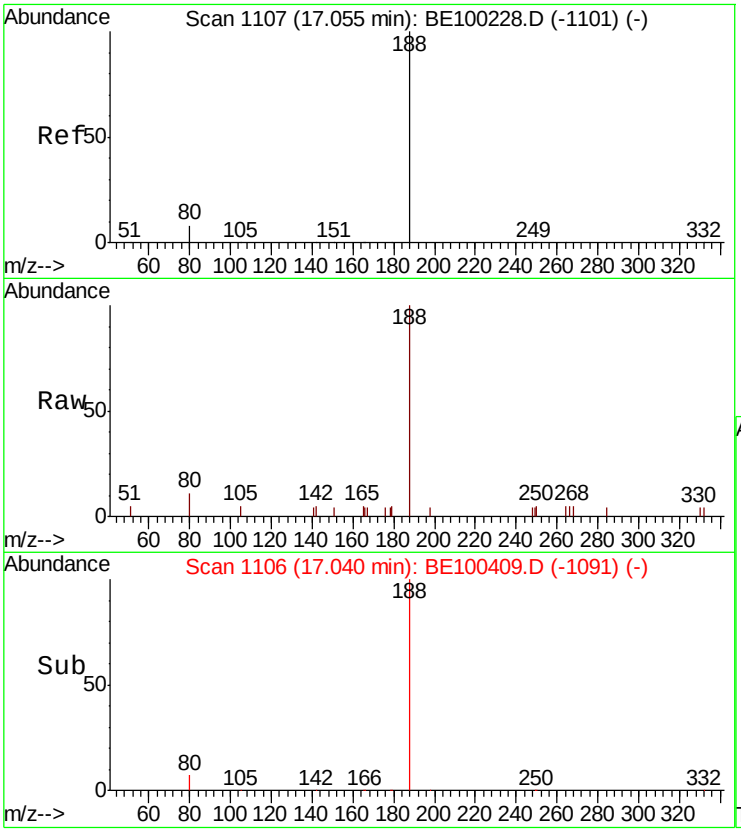


#18
Fluorene
Concen: 0.380 ng
RT: 15.34 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:166 Resp: 1418

Ion	Ratio	Lower	Upper
166	100		
165	102.1	82.3	123.5
167	13.7	9.9	14.9





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1106
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:188 Resp: 2825

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	8.8	13.2

Instrument :
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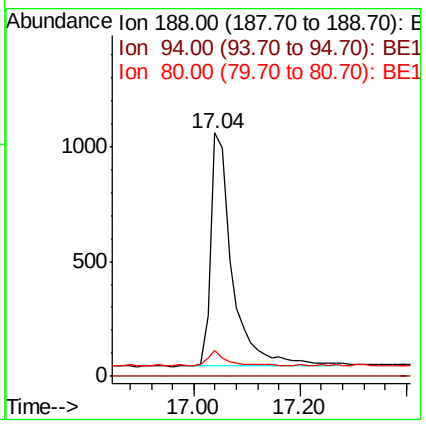
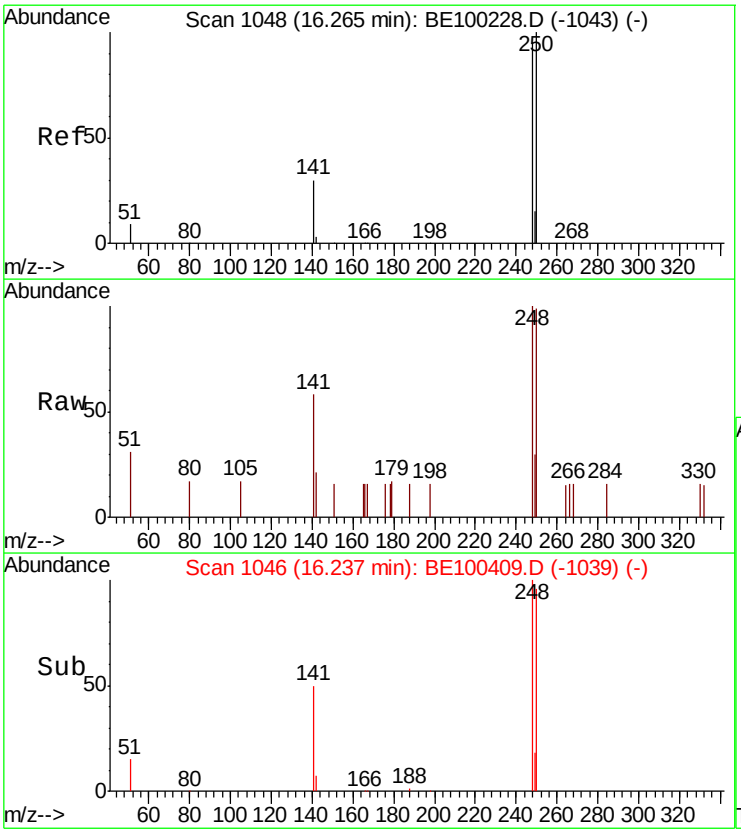
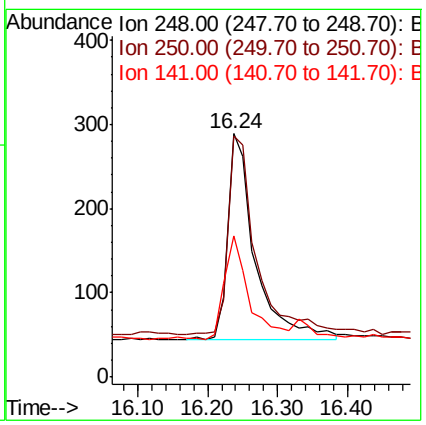


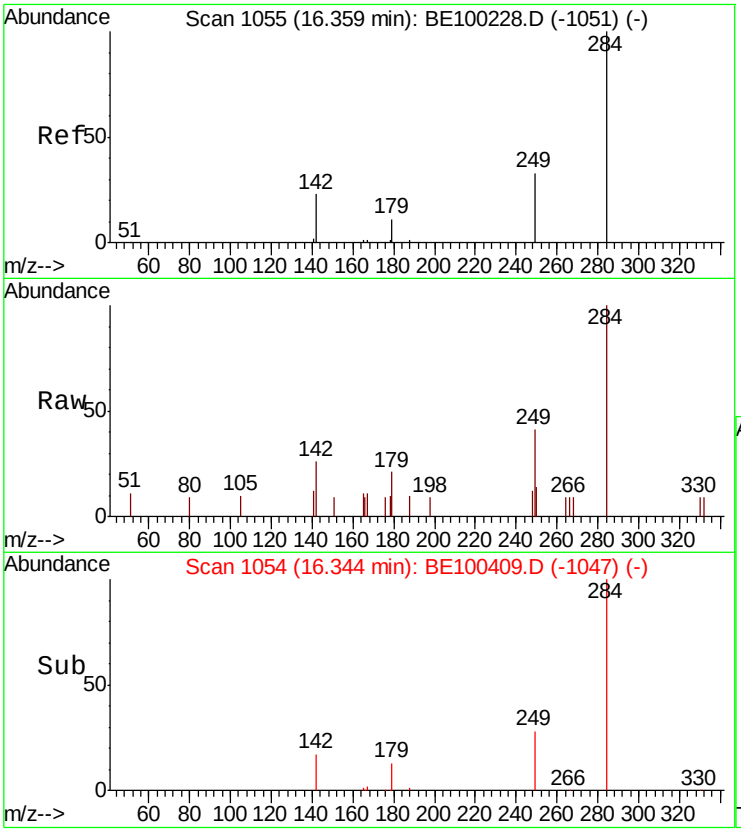


#20
4-Bromophenyl-phenylether
Concen: 0.363 ng
RT: 16.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:248 Resp: 654

Ion	Ratio	Lower	Upper
248	100		
250	99.3	76.4	114.6
141	58.1	45.0	67.4

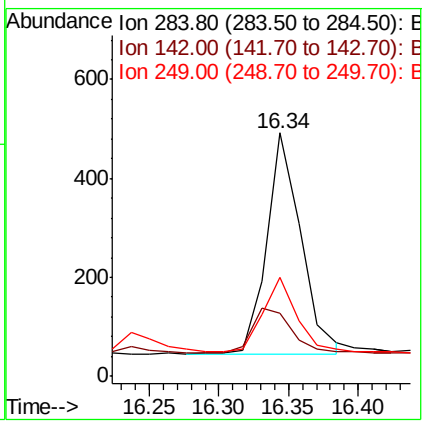




#21
Hexachlorobenzene
Concen: 0.408 ng
RT: 16.34 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:284 Resp: 763

Ion	Ratio	Lower	Upper
284	100		
142	23.2	18.6	28.0
249	33.0	24.6	37.0



Instrument :
BNA_E
ClientSampleId :
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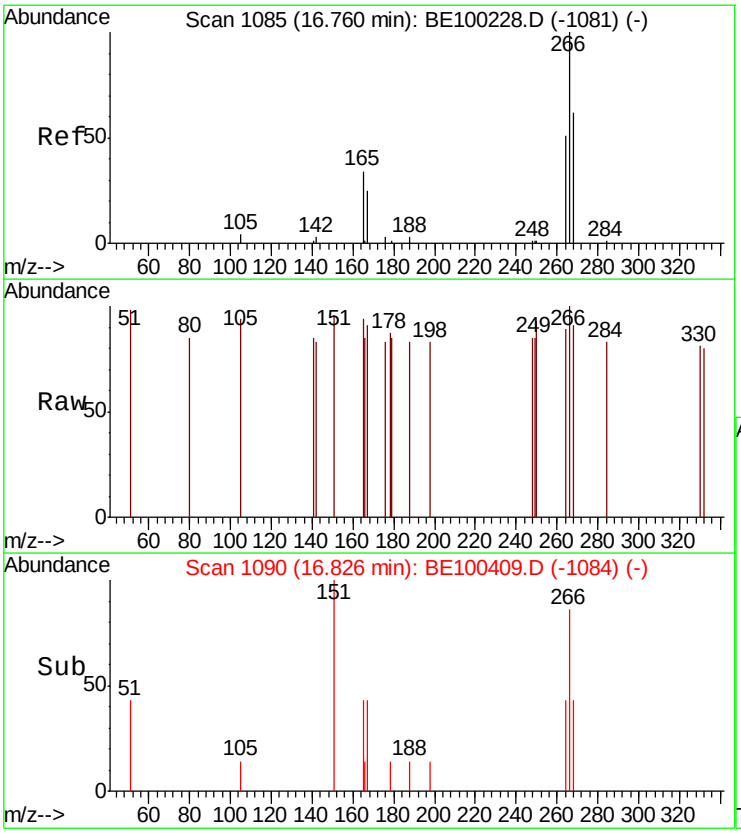
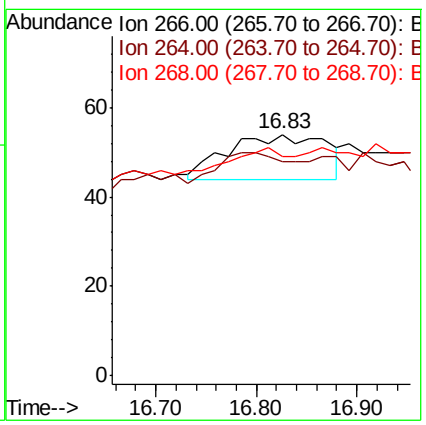
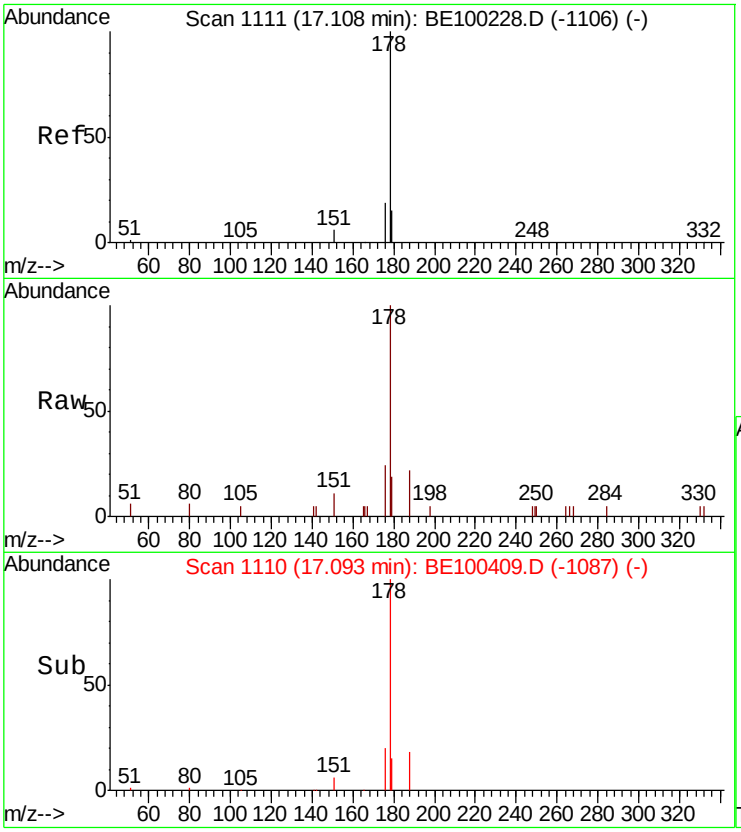


#22
Pentachlorophenol
Concen: 0.119 ng m
RT: 16.83 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:266 Resp: 67

Ion	Ratio	Lower	Upper
266	100		
264	88.9	69.6	104.4
268	90.7	72.6	108.8

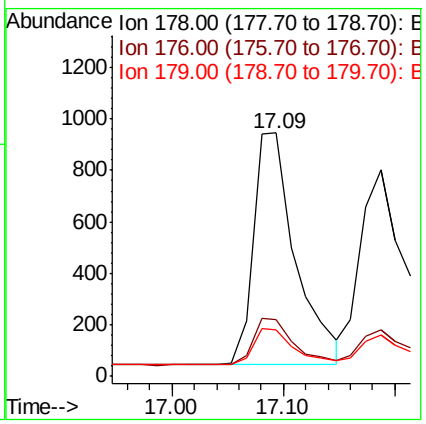




#23
Phenanthrene
Concen: 0.347 ng
RT: 17.09 min Scan# 1110
Delta R.T. 0.01 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:178 Resp: 2374

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.9	23.9
179	15.5	12.6	18.8



Instrument :
BNA_E
ClientSampleId :
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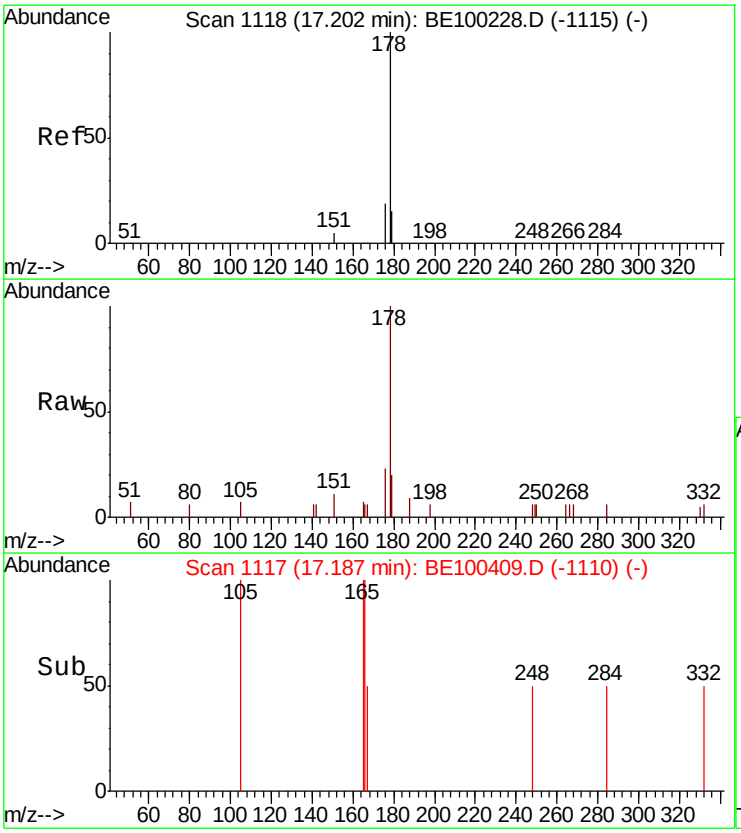
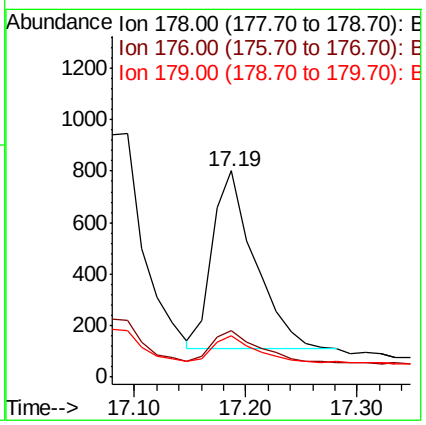
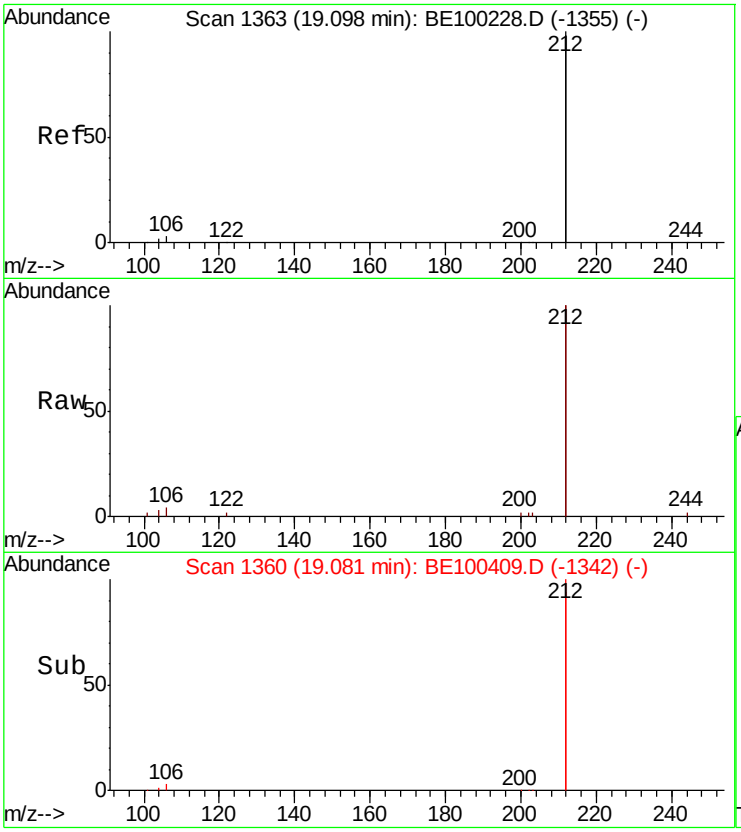


#24
Anthracene
Concen: 0.300 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:178 Resp: 1849

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.5	21.7
179	14.7	11.6	17.4





#25
Fluoranthene-d10
Concen: 0.335 ng
RT: 19.08 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:212 Resp: 13721

Ion	Ratio	Lower	Upper
212	100		
106	1.3	1.0	1.4
104	0.8	0.6	1.0

Instrument :
BNA_E
ClientSampleId :
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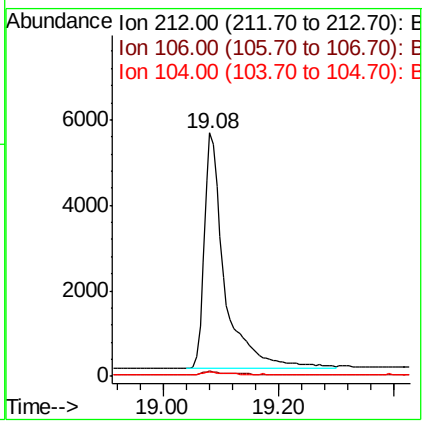
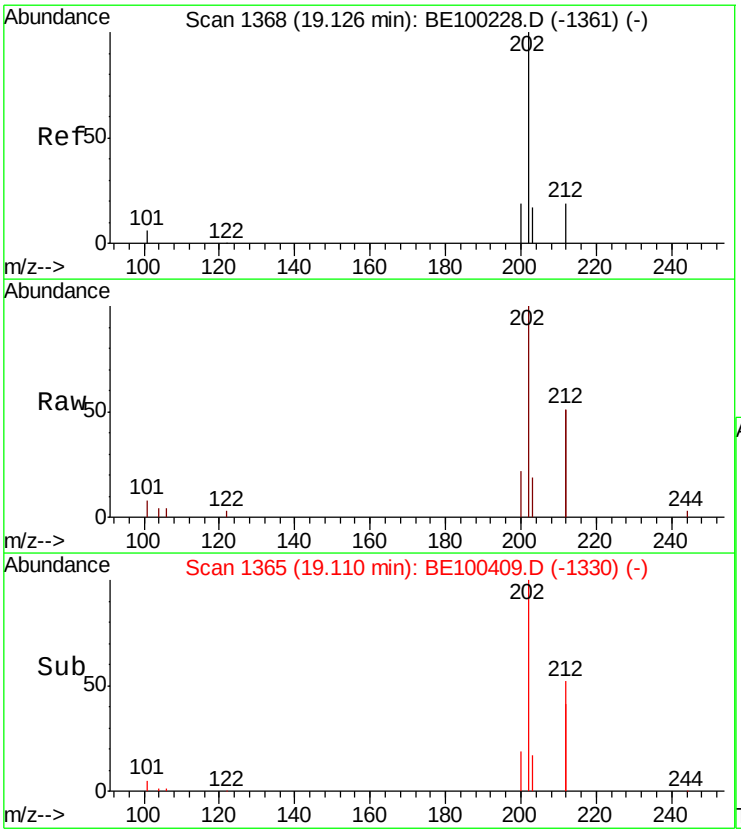
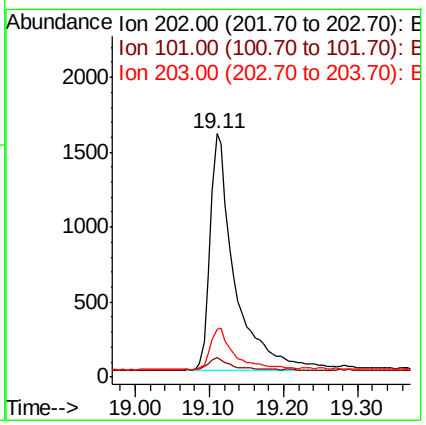


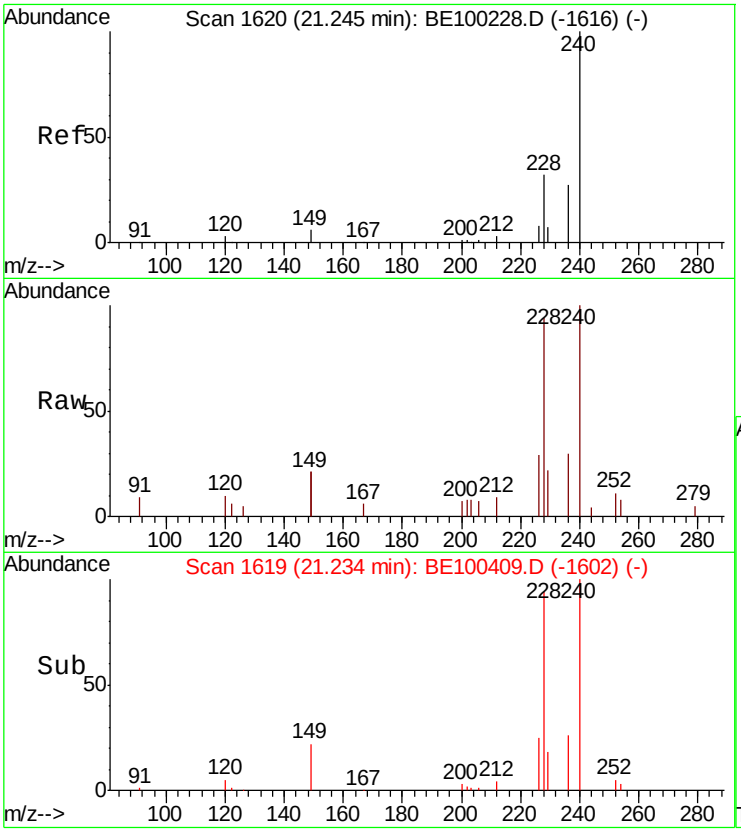


#26
Fluoranthene
Concen: 0.336 ng
RT: 19.11 min Scan# 1365
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:202 Resp: 3664

Ion	Ratio	Lower	Upper
202	100		
101	5.1	4.2	6.2
203	17.1	13.7	20.5





#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:240 Resp: 3032

Ion	Ratio	Lower	Upper
240	100		
120	10.0	5.4	8.2#
236	29.7	23.2	34.8

Instrument :
BNA_E
ClientSampleId :
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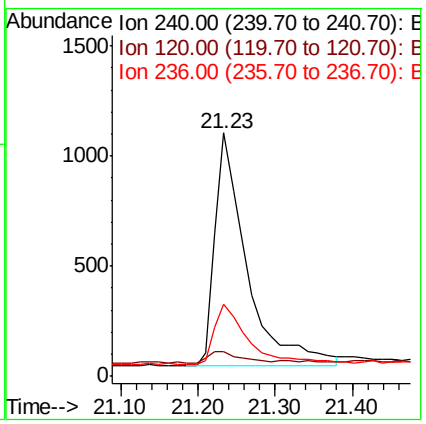
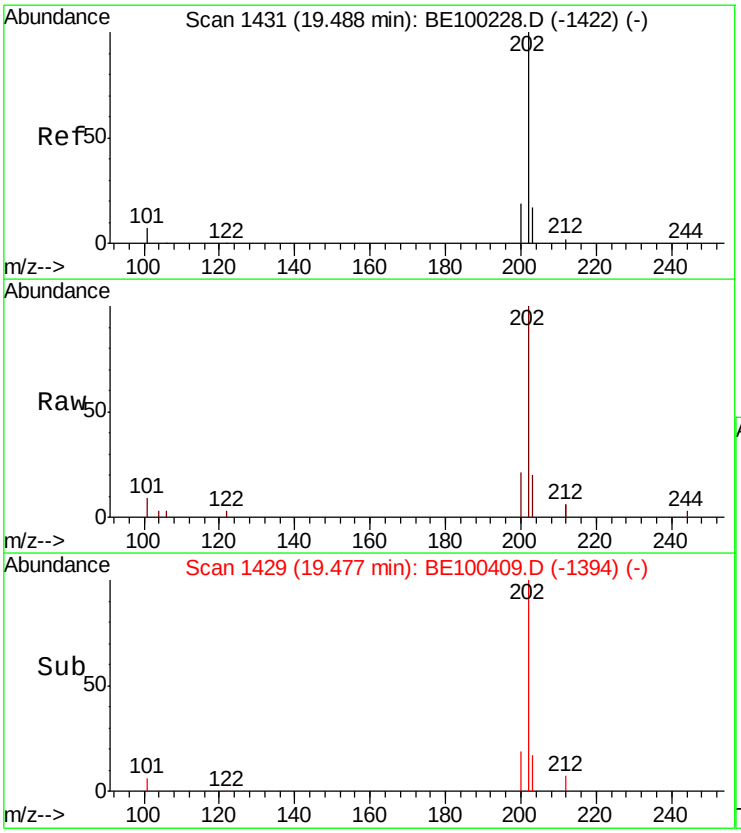
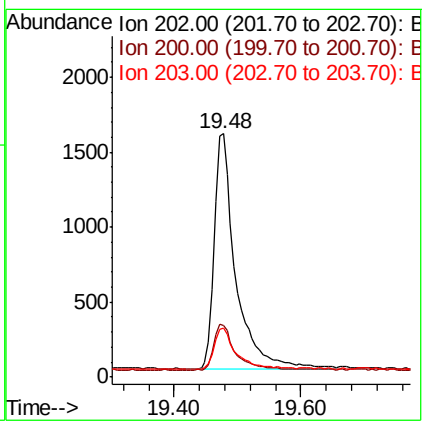


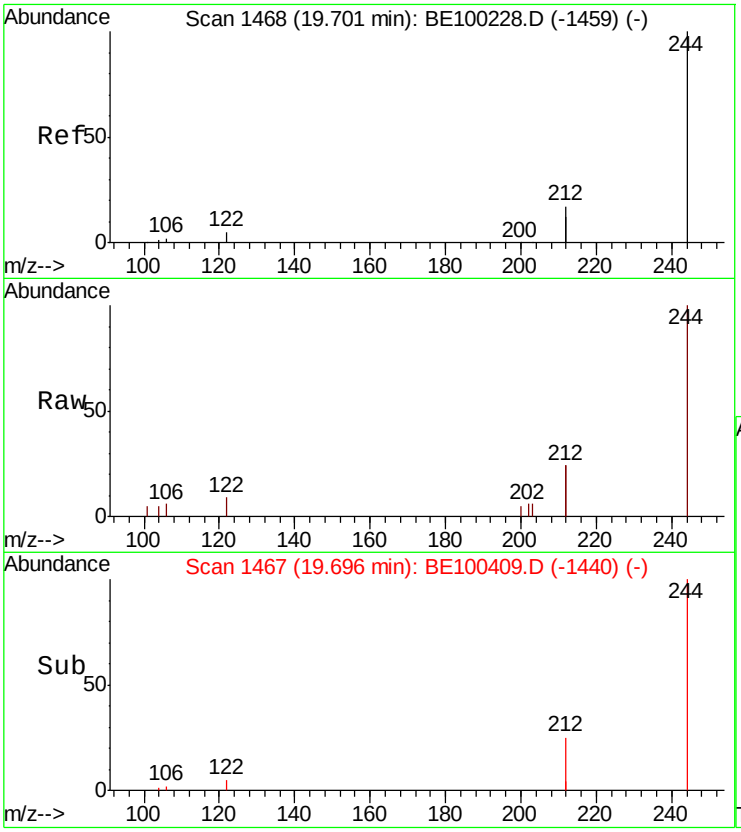


#28
Pyrene
Concen: 0.462 ng
RT: 19.48 min Scan# 1429
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:202 Resp: 3706

Ion	Ratio	Lower	Upper
202	100		
200	19.1	15.2	22.8
203	17.5	14.1	21.1





#29
Terphenyl-d14
Concen: 0.405 ng
RT: 19.70 min Scan# 1467
Delta R.T. 0.01 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:244 Resp: 2545

Ion	Ratio	Lower	Upper
244	100		
212	48.0	33.0	49.6
122	9.0	5.8	8.8#

Instrument :
BNA_E
ClientSampleId :
PB121046BS

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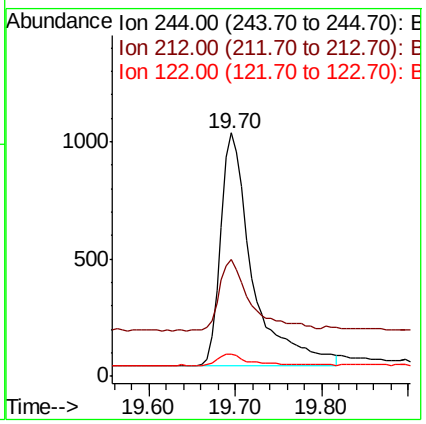
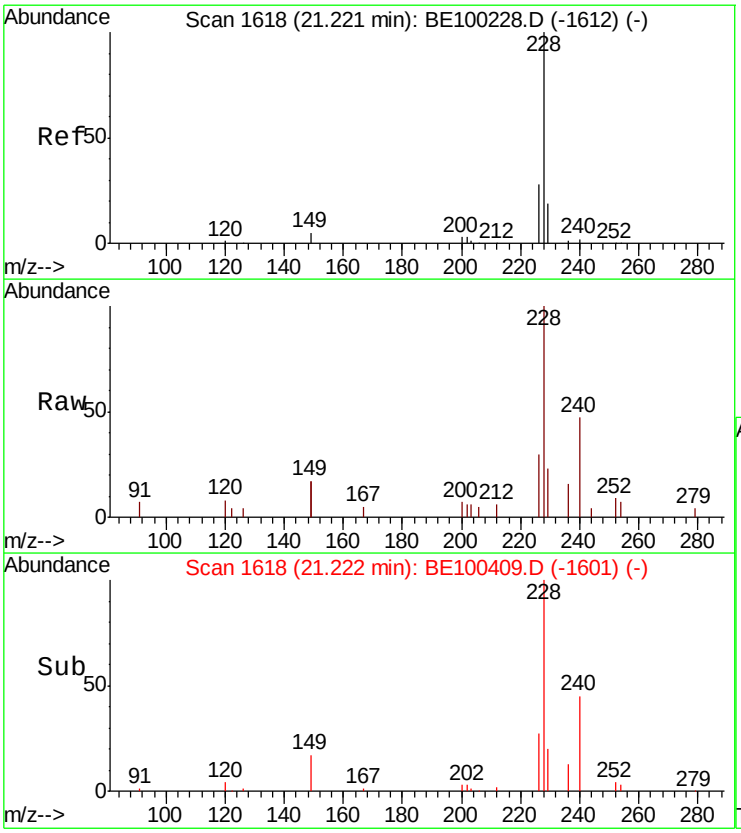
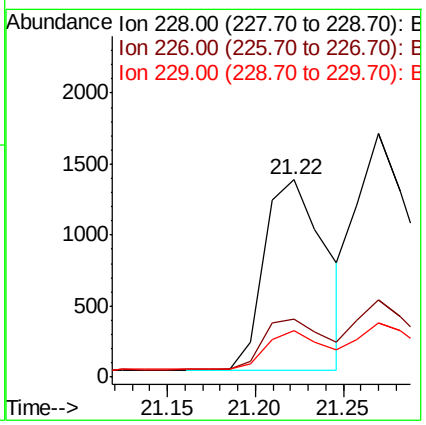


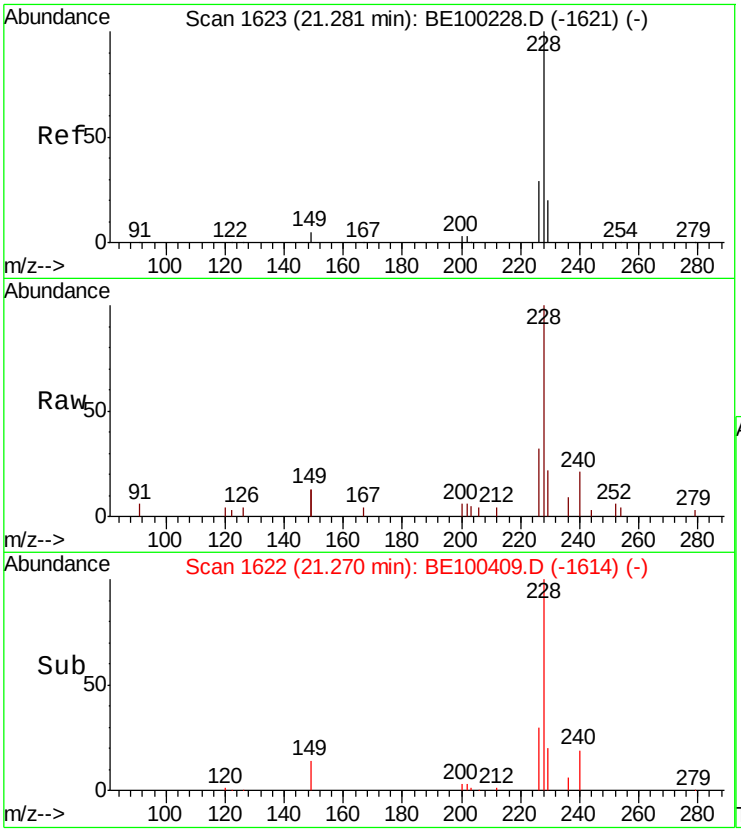


#30
Benzo(a)anthracene
Concen: 0.326 ng
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:228 Resp: 3247

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.0	33.0
229	23.4	17.4	26.0





#31
Chrysene
Concen: 0.366 ng
RT: 21.27 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:228 Resp: 3659

Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	22.5	16.9	25.3

Instrument :
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ClientSampleId :
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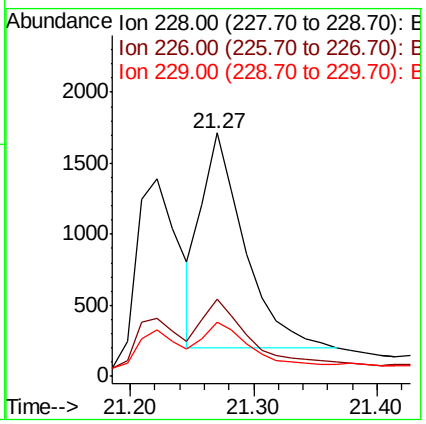
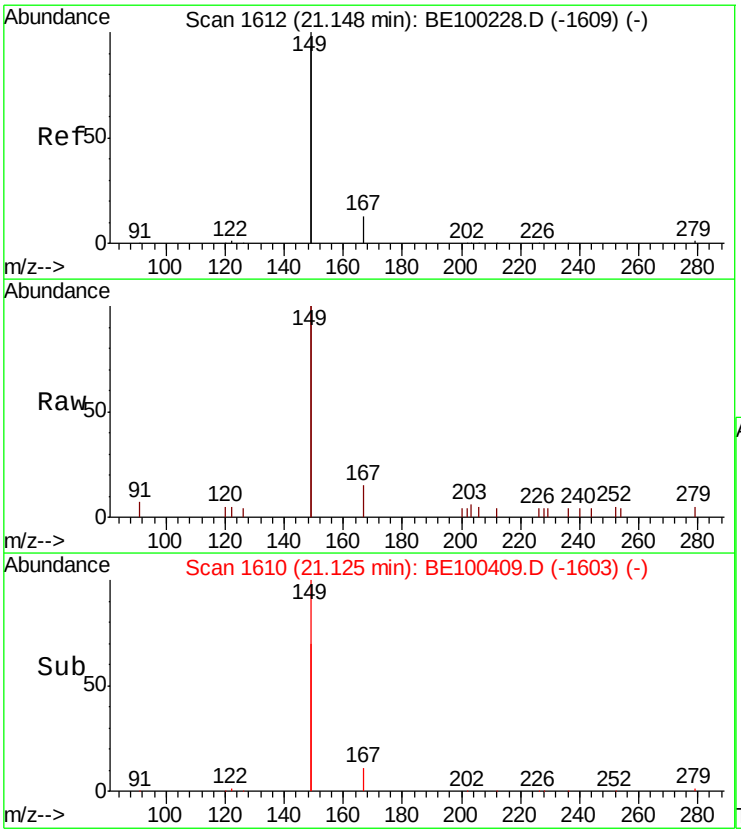
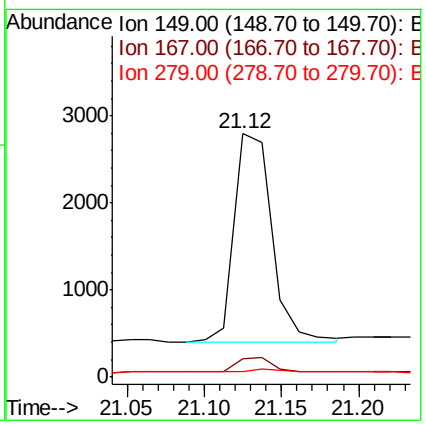


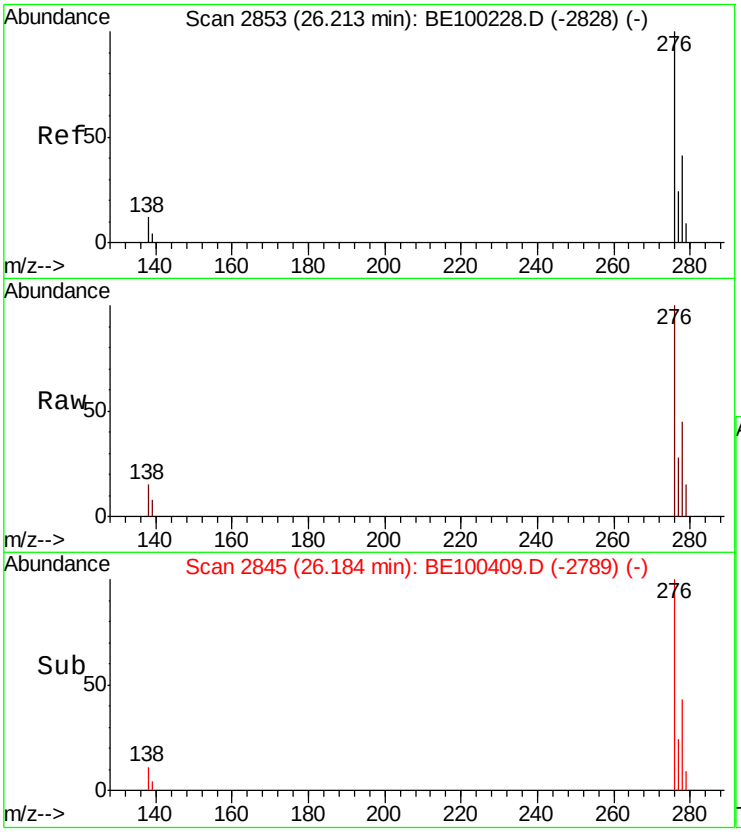


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.229 ng
RT: 21.12 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:149 Resp: 4035

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.7	8.5
279	1.5	1.4	2.0

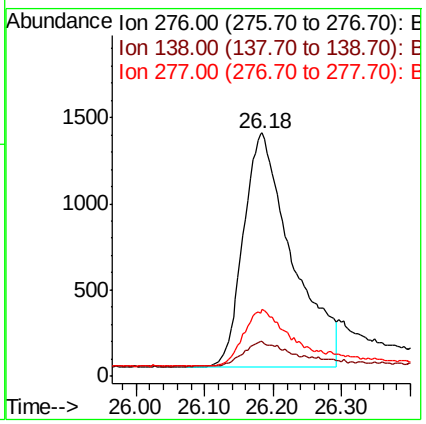




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.504 ng
RT: 26.18 min Scan# 2845
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:276 Resp: 6673

Ion	Ratio	Lower	Upper
276	100		
138	11.1	7.6	11.4
277	23.6	20.0	30.0



Instrument :
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ClientSampleId :
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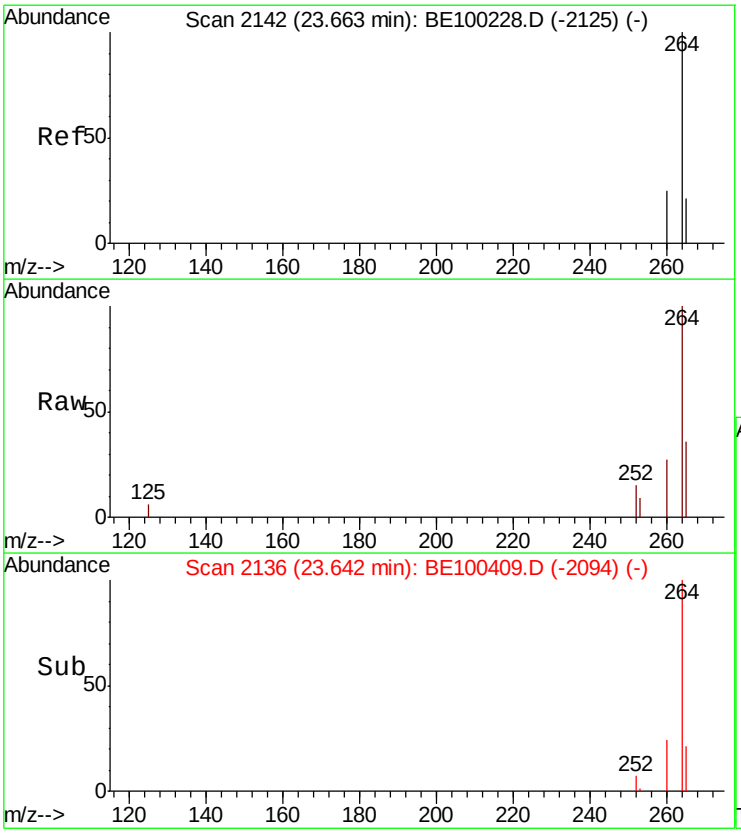
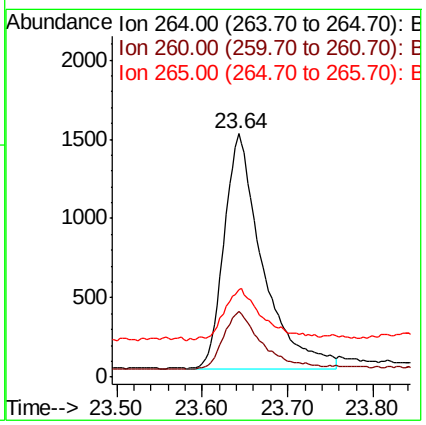
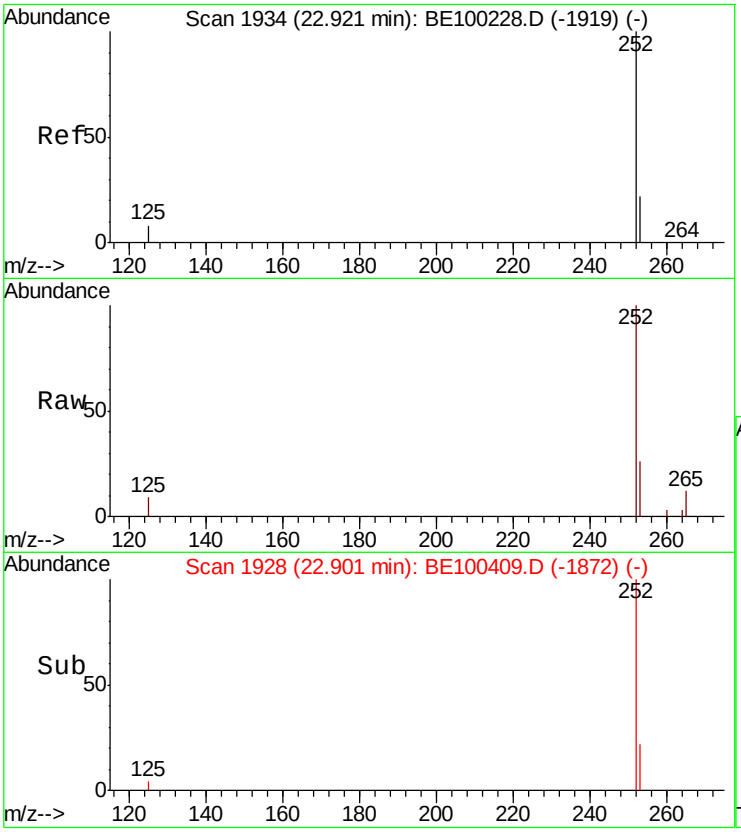


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.64 min Scan# 2136
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:264 Resp: 4602

Ion	Ratio	Lower	Upper
264	100		
260	26.9	22.0	33.0
265	36.1	26.0	39.0





#35
Benzo(b)fluoranthene
Concen: 0.293 ng
RT: 22.90 min Scan# 1928
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:252 Resp: 3657

Ion	Ratio	Lower	Upper
252	100		
253	25.7	20.0	30.0
125	8.8	6.3	9.5

Instrument :
BNA_E
ClientSampleId :
PB121046BS

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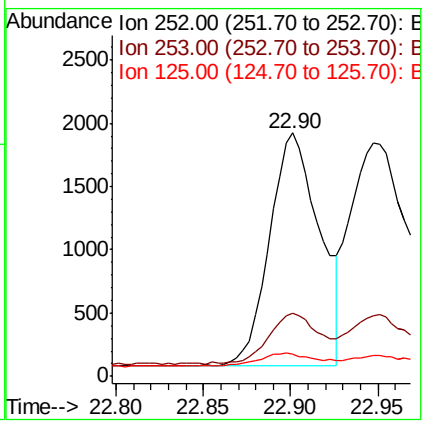
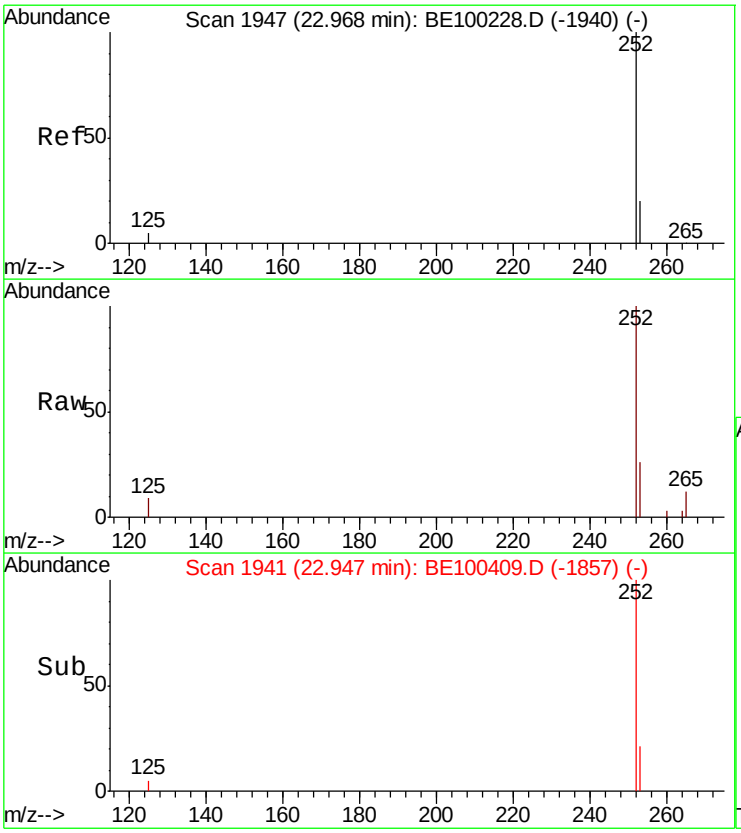
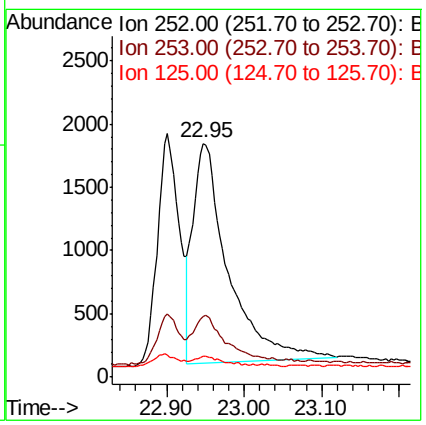


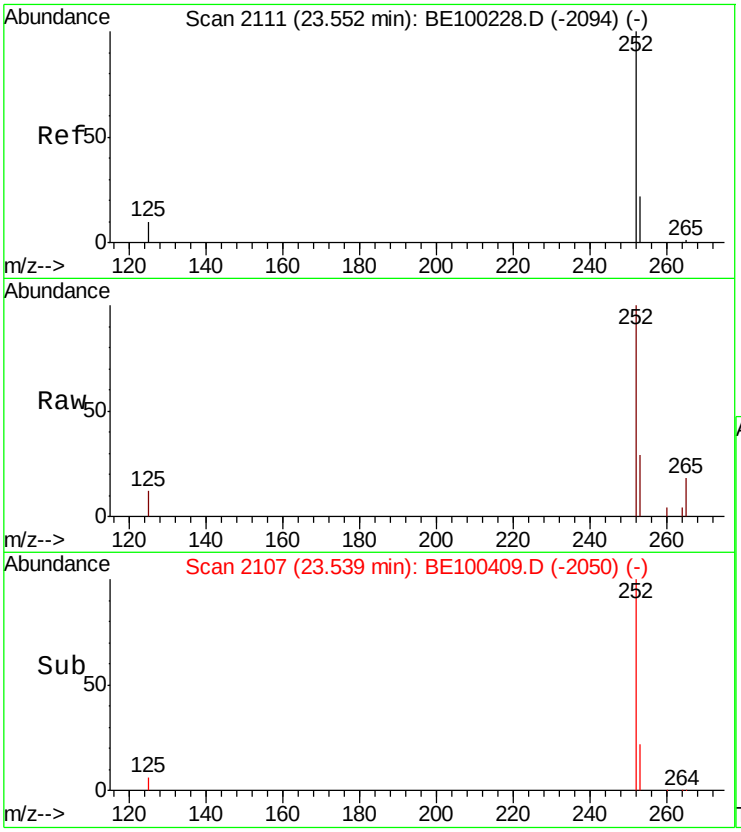


#36
Benzo(k)fluoranthene
Concen: 0.390 ng
RT: 22.95 min Scan# 1941
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:252 Resp: 5427

Ion	Ratio	Lower	Upper
252	100		
253	25.8	19.5	29.3
125	8.9	5.4	8.0#





#37
Benzo(a)pyrene
Concen: 0.370 ng
RT: 23.54 min Scan# 2107
Delta R.T. 0.00 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:252 Resp: 4628

Ion	Ratio	Lower	Upper
252	100		
253	28.5	21.0	31.6
125	12.0	7.8	11.8#

Instrument :
BNA_E
ClientSampleId :
PB121046BS

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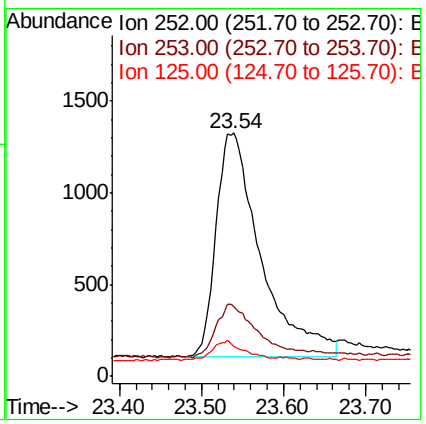
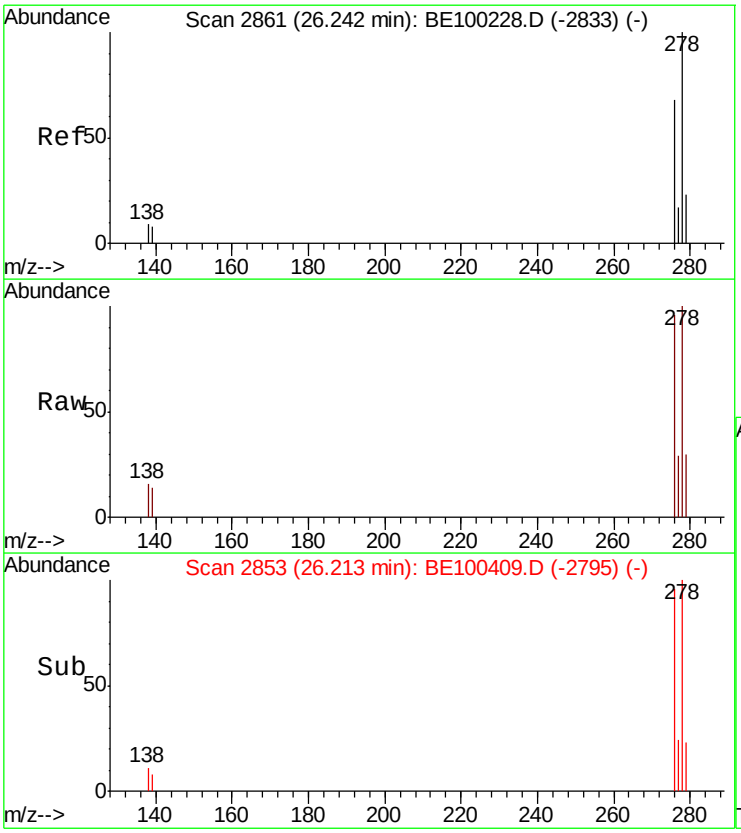
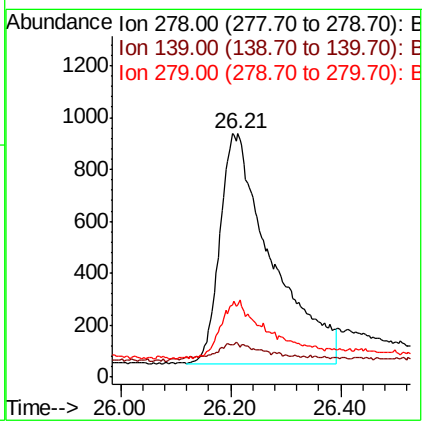


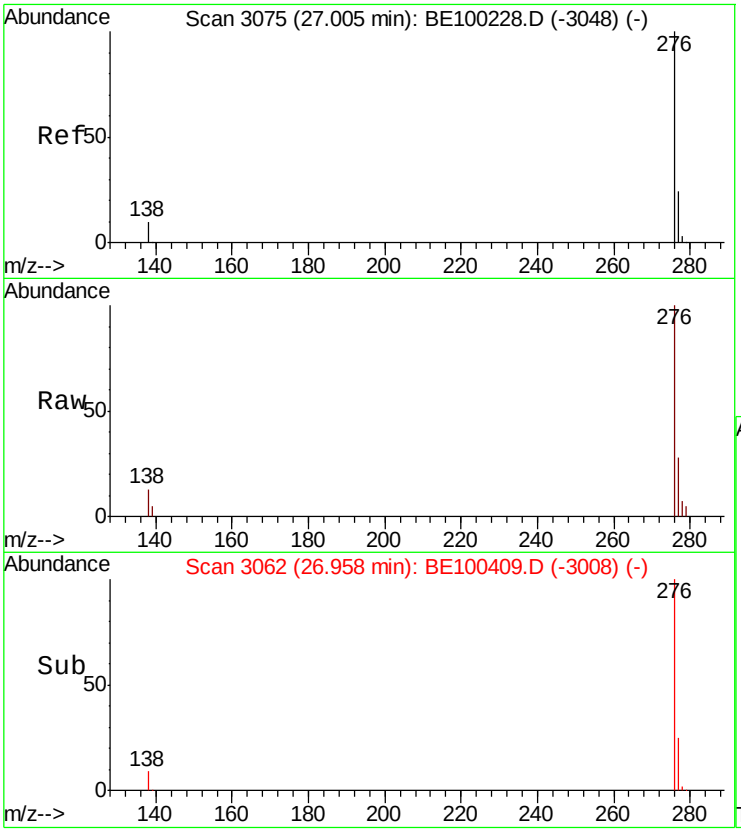


#38
Dibenzo(a,h)anthracene
Concen: 0.441 ng
RT: 26.21 min Scan# 2853
Delta R.T. 0.01 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:278 Resp: 5761

Ion	Ratio	Lower	Upper
278	100		
139	14.0	9.8	14.8
279	29.9	22.6	34.0

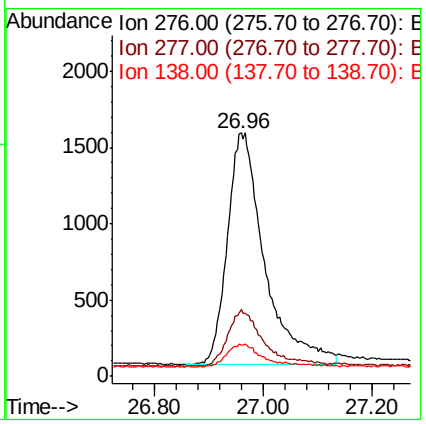




#39
Benzo(g,h,i)perylene
Concen: 0.541 ng
RT: 26.96 min Scan# 3062
Delta R.T. -0.01 min
Lab File: BE100409.D
Acq: 8 Jul 2019 13:12

Tgt Ion:276 Resp: 7256

Ion	Ratio	Lower	Upper
276	100		
277	27.8	20.7	31.1
138	12.8	10.2	15.2



Instrument :
BNA_E
ClientSampleId :
PB121046BS

Manual Integrations APPROVED
mohammad
7/10/2019 9:03:48 AM