Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062019\
Data File : BE100109.D
Acq On : 20 Jun 2019 15:26
Operator : JU/SJ
Sample : K3345-09MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
MW-5_061219MS

Manual Integrations APPROVED
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Quant Time: Jun 21 02:04:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 19 15:07:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	549	0.40	ng		-0.01
7) Naphthalene-d8	10.52	136	1956	0.40	ng		-0.01
13) Acenaphthene-d10	14.40	164	1533	0.40	ng		-0.01
19) Phenanthrene-d10	17.15	188	4995	0.40	ng		-0.01
27) Chrysene-d12	21.34	240	8120	0.40	ng		0.00
34) Perylene-d12	23.83	264	9995	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.29	112	267	0.23	ng		-0.01
5) Phenol-d6	6.92	99	167	0.11	ng		-0.01
8) Nitrobenzene-d5	8.90	82	762	0.40	ng		-0.01
11) 2-Methylnaphthalene-d10	12.11	152	880	0.24	ng		-0.04
14) 2,4,6-Tribromophenol	15.90	330	378	0.45	ng		-0.01
15) 2-Fluorobiphenyl	13.03	172	3158	0.52	ng		-0.01
25) Fluoranthene-d10	19.19	212	2603	0.04	ng		0.00
29) Terphenyl-d14	19.79	244	8322	0.51	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.19	88	104	0.118	ng	#	47
3) n-Nitrosodimethylamine	3.55	42	44m	0.417	ng		
6) bis(2-Chloroethyl)ether	7.16	93	508	0.348	ng		78
9) Naphthalene	10.58	128	146611	6.898	ng	#	97
10) Hexachlorobutadiene	10.85	225	666	0.319	ng		99
12) 2-Methylnaphthalene	12.21	142	8402	2.404	ng		94
16) Acenaphthylene	14.13	152	2672	0.367	ng		97
17) Acenaphthene	14.47	154	1498	0.368	ng		98
18) Fluorene	15.45	166	2417	0.399	ng		97
20) 4-Bromophenyl-phenylether	16.34	248	1112	0.375	ng		92
21) Hexachlorobenzene	16.45	284	1071	0.327	ng		99
22) Pentachlorophenol	16.81	266	748	0.945	ng		82
23) Phenanthrene	17.20	178	4577	0.382	ng		98
24) Anthracene	17.29	178	4043	0.401	ng		98
26) Fluoranthene	19.22	202	7428	0.387	ng		99
28) Pyrene	19.58	202	7933	0.380	ng		99
30) Benzo(a)anthracene	21.32	228	10079	0.417	ng		99
31) Chrysene	21.38	228	10163	0.362	ng		100
32) Bis(2-ethylhexyl)phthalate	21.25	149	15536	0.682	ng		100
33) Indeno(1,2,3-cd)pyrene	26.47	276	12347	0.391	ng	#	96
35) Benzo(b)fluoranthene	23.07	252	10300	0.351	ng		97
36) Benzo(k)fluoranthene	23.11	252	10823	0.324	ng		100
37) Benzo(a)pyrene	23.72	252	10262	0.362	ng		98
38) Dibenzo(a,h)anthracene	26.49	278	10065	0.347	ng		99
39) Benzo(g,h,i)perylene	27.27	276	10822	0.359	ng		98

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

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Instrument :
BNA_E
ClientSampleId :
MW-5_061219MS

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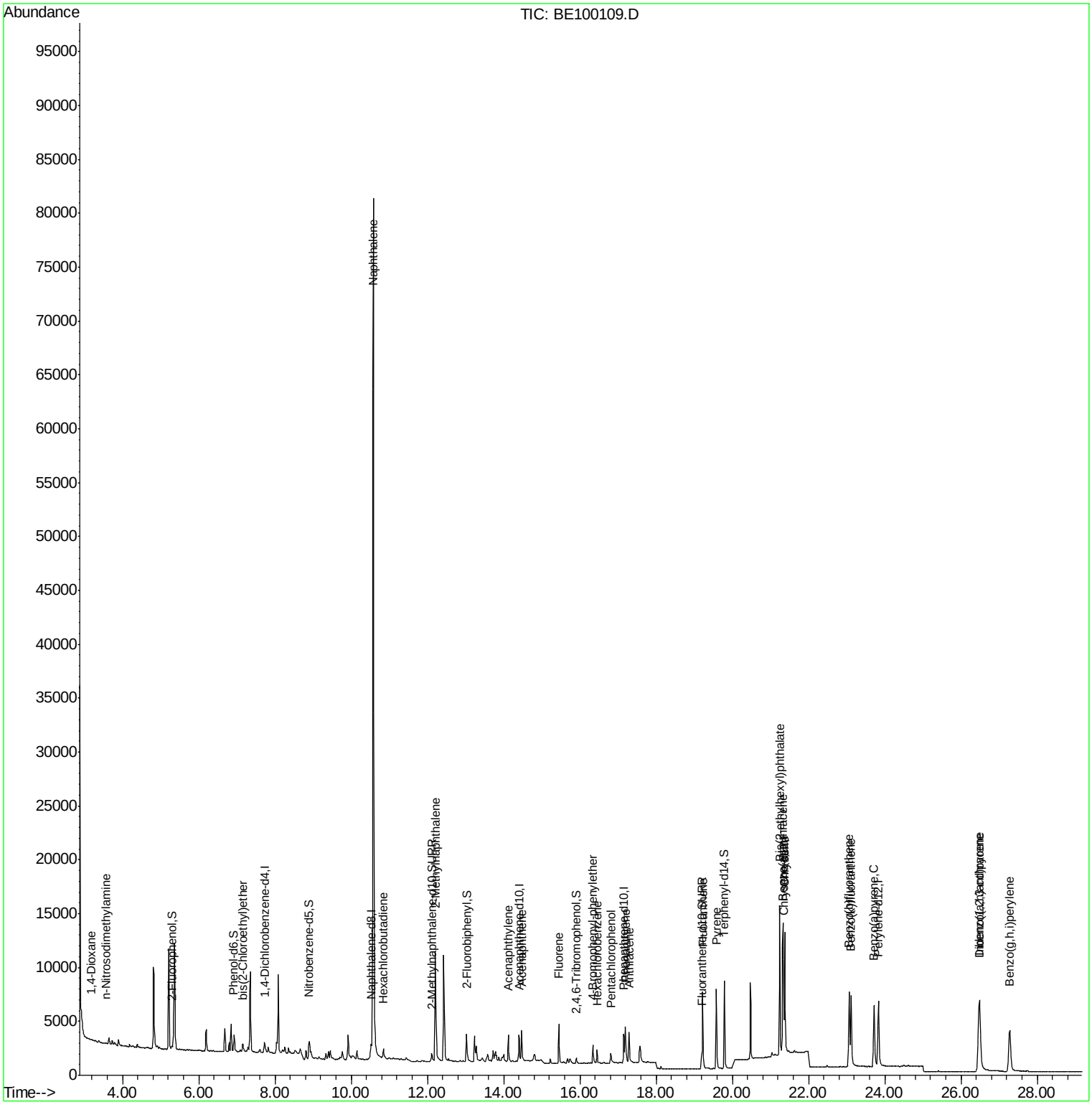
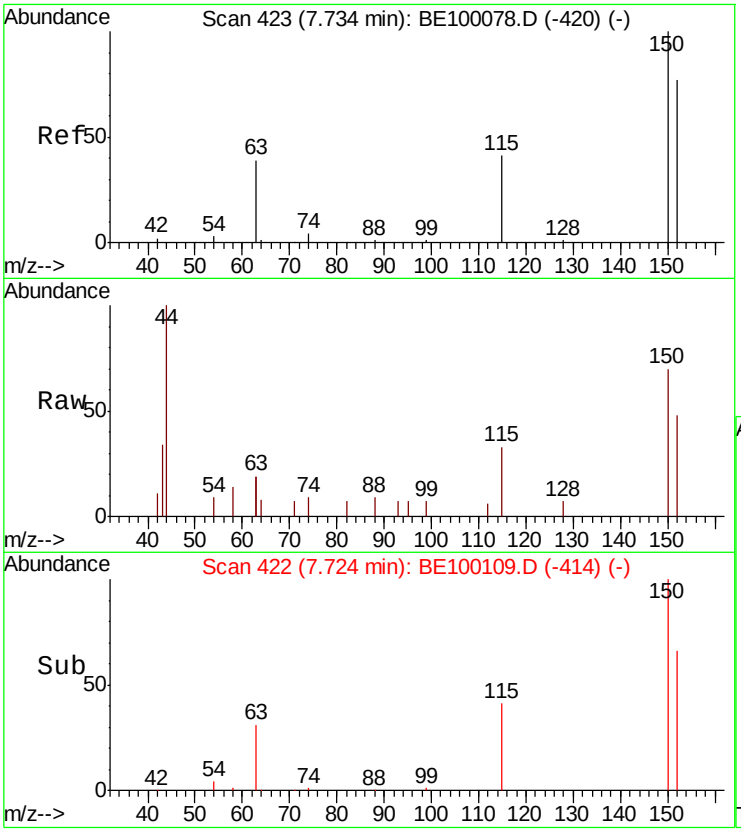
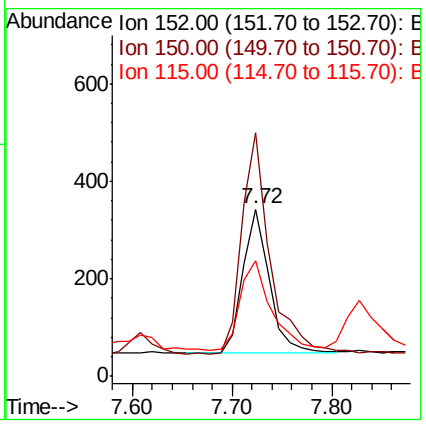




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:152 Resp: 549

Ion	Ratio	Lower	Upper
152	100		
150	145.5	99.8	149.8
115	69.4	51.3	76.9



Instrument :
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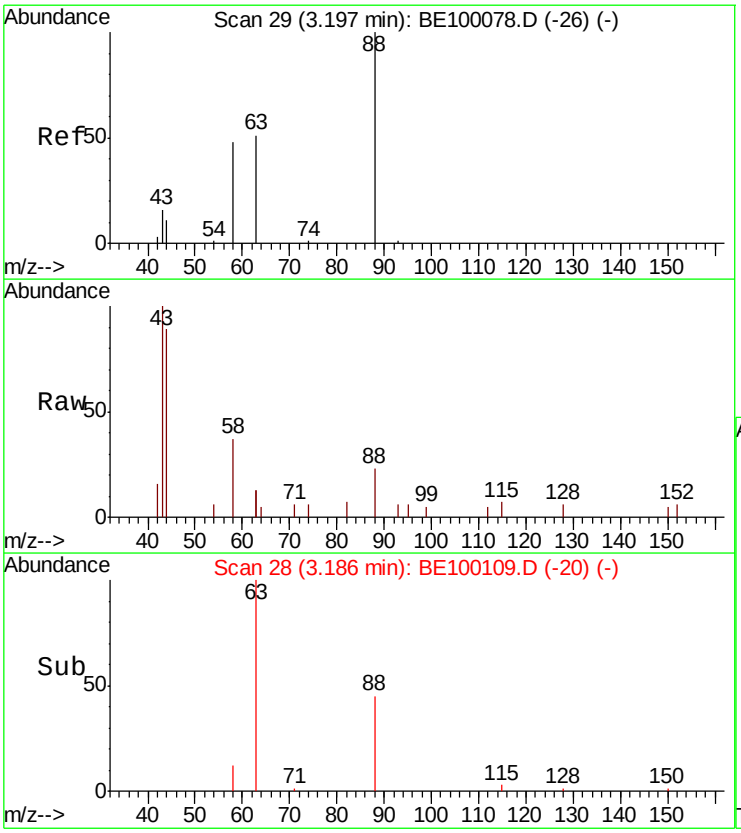
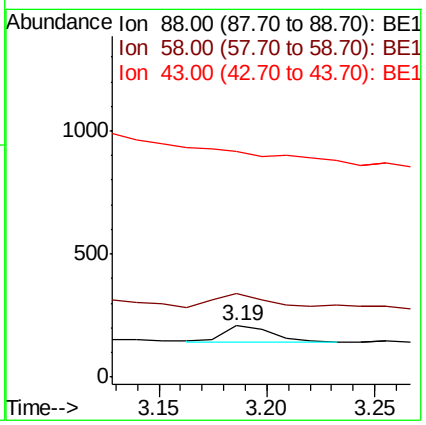
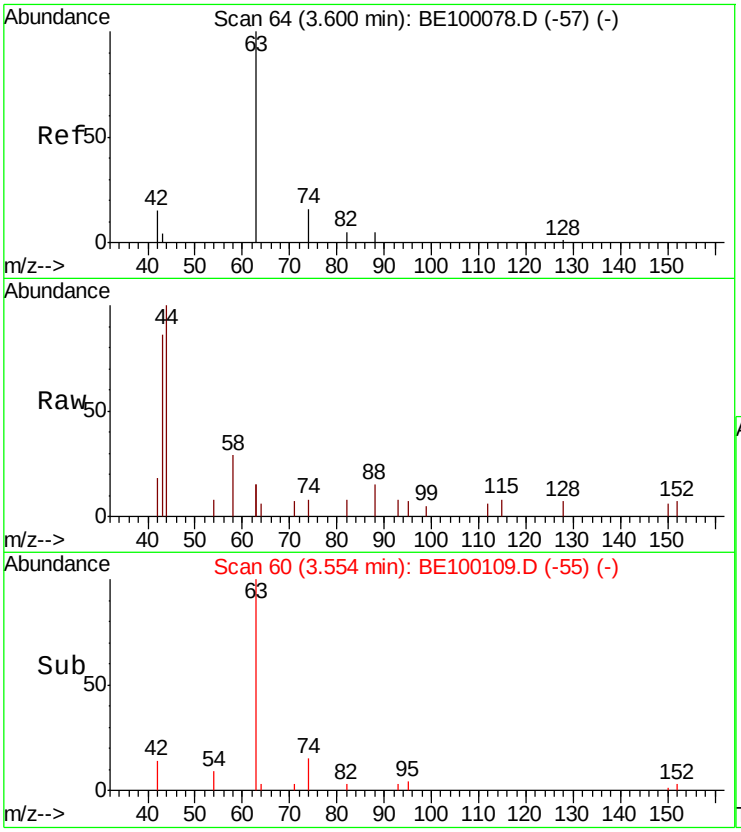


#2
1,4-Dioxane
Concen: 0.118 ng
RT: 3.19 min Scan# 28
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion: 88 Resp: 104

Ion	Ratio	Lower	Upper
88	100		
58	105.8	51.1	76.7#
43	0.0	21.7	32.5#

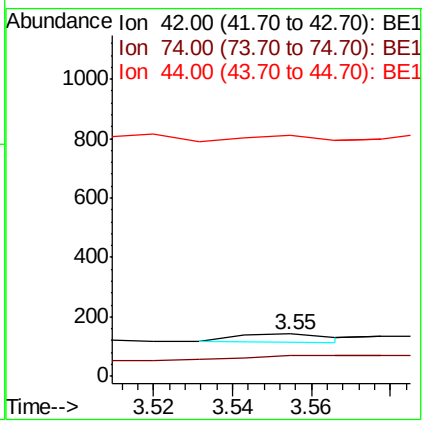




#3
n-Nitrosodimethylamine
Concen: 0.417 ng m
RT: 3.55 min Scan# 60
Delta R.T. -0.04 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion: 42 Resp: 44

Ion	Ratio	Lower	Upper
42	100		
74	152.3	0.0	0.0#
44	0.0	0.0	0.0



Instrument :
BNA_E
ClientSampleId :
MW-5_061219MS

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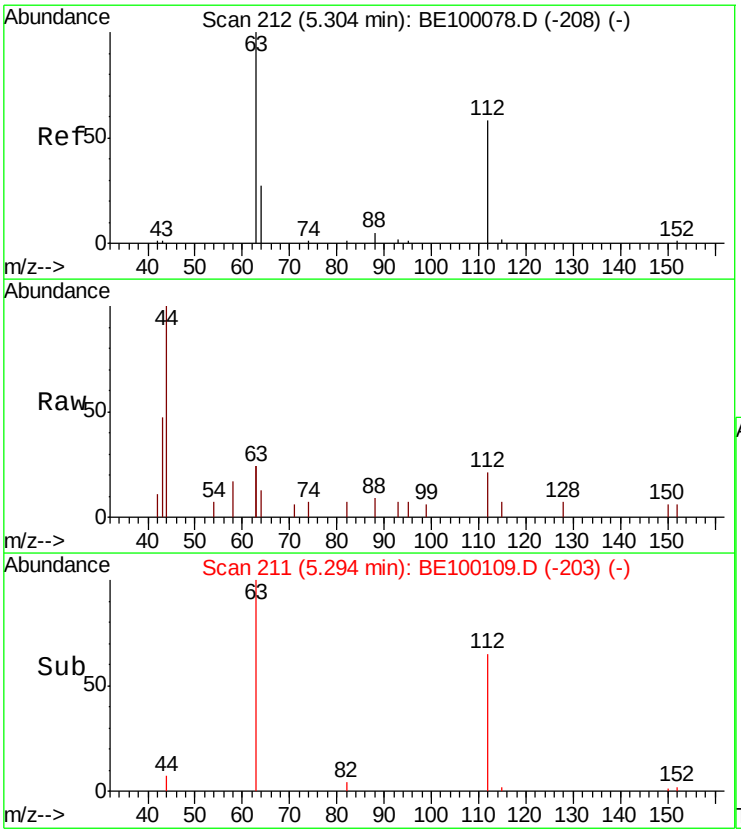
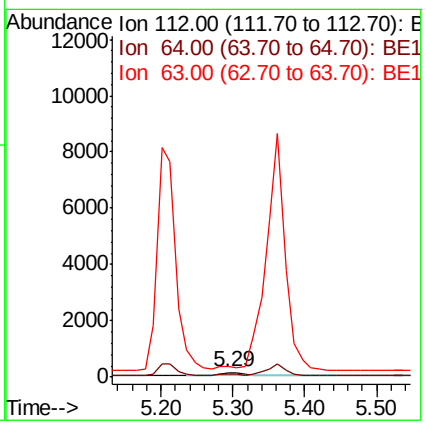
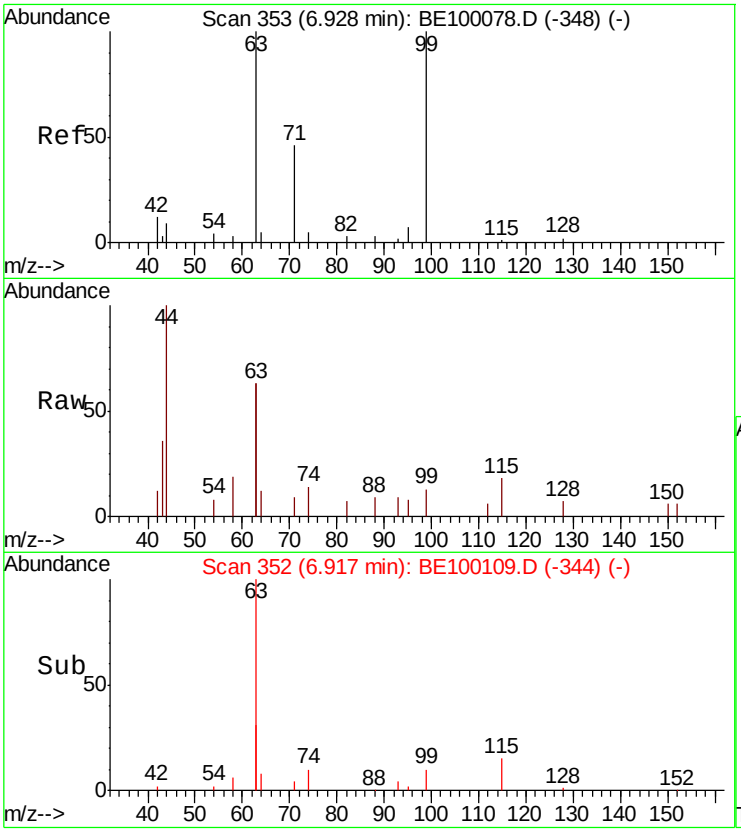


#4
2-Fluorophenol
Concen: 0.234 ng
RT: 5.29 min Scan# 211
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:112 Resp: 267

Ion	Ratio	Lower	Upper
112	100		
64	37.8	22.0	33.0#
63	0.0	121.8	182.6#

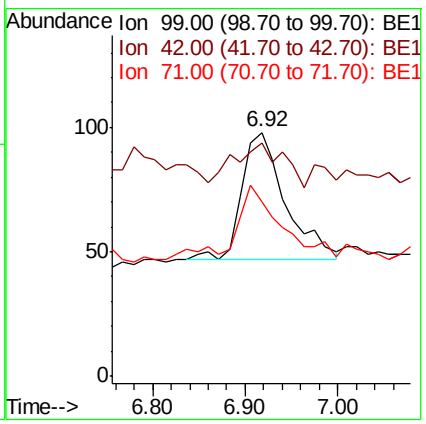




#5
Phenol-d6
Concen: 0.107 ng
RT: 6.92 min Scan# 352
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion: 99 Resp: 167

Ion	Ratio	Lower	Upper
99	100		
42	38.9	0.0	0.0#
71	50.3	37.6	56.4



Instrument :
BNA_E
ClientSampleId :
MW-5_061219MS

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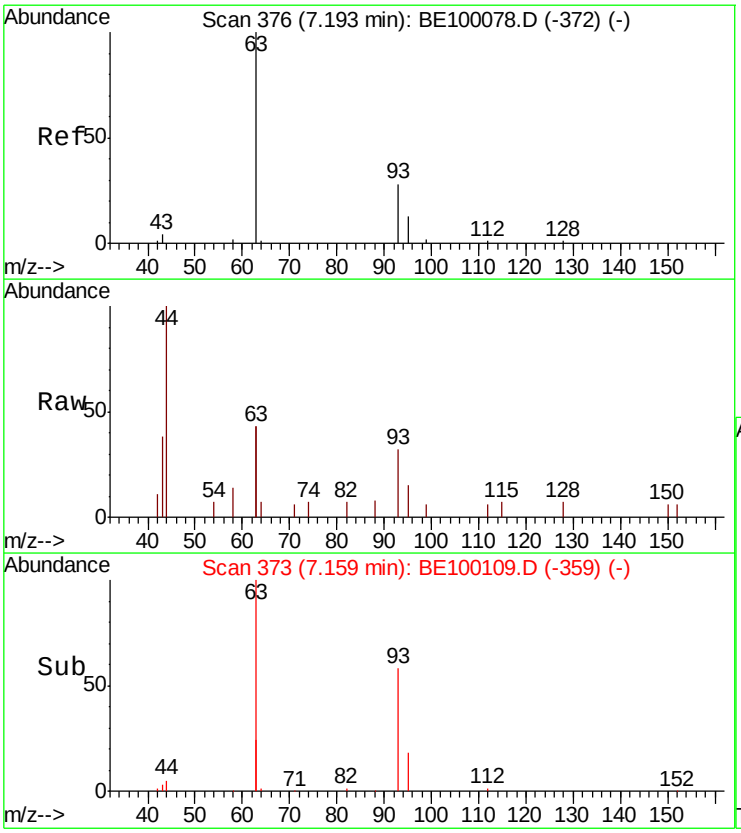
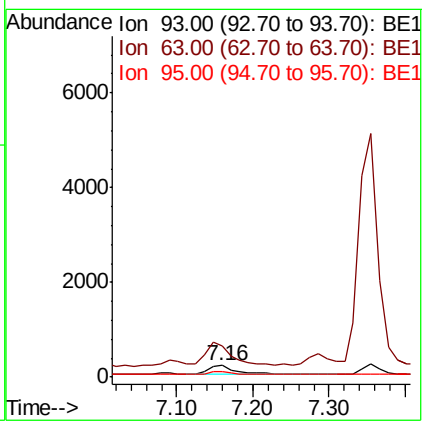
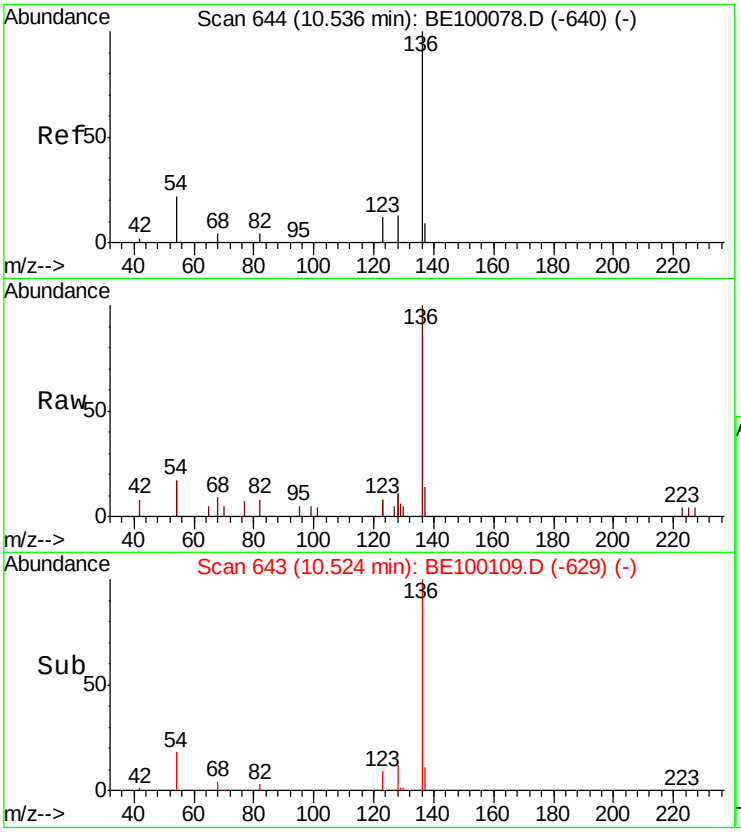


#6
bis(2-Chloroethyl)ether
Concen: 0.348 ng
RT: 7.16 min Scan# 373
Delta R.T. -0.03 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion: 93 Resp: 508

Ion	Ratio	Lower	Upper
93	100		
63	208.7	200.0	300.0
95	33.9	24.0	36.0

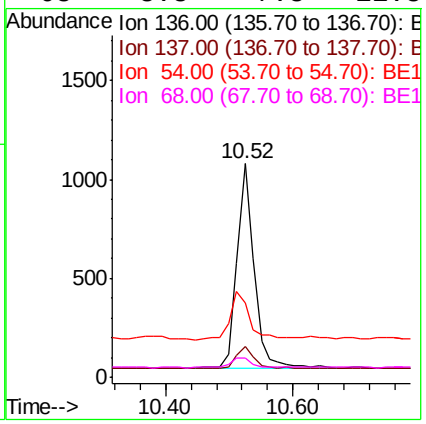




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.52 min Scan# 643
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:136 Resp: 1956

Ion	Ratio	Lower	Upper
136	100		
137	14.4	11.6	17.4
54	34.8	33.9	50.9
68	8.8	7.8	11.8



Instrument :
BNA_E
ClientSampleId :
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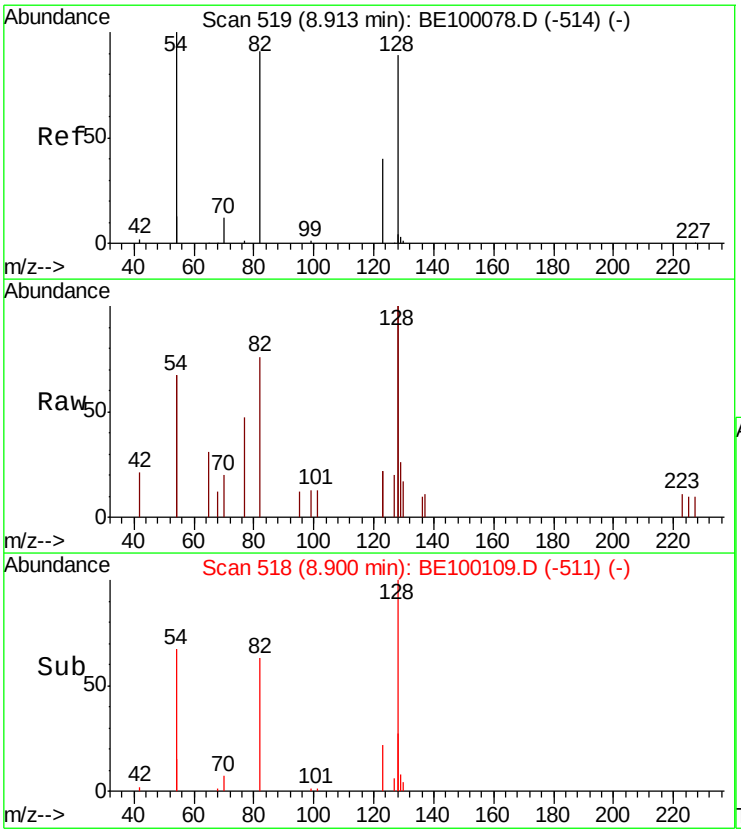
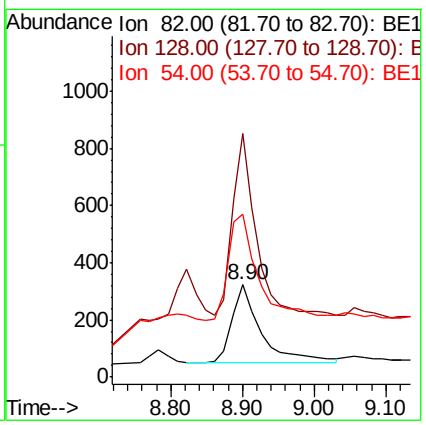
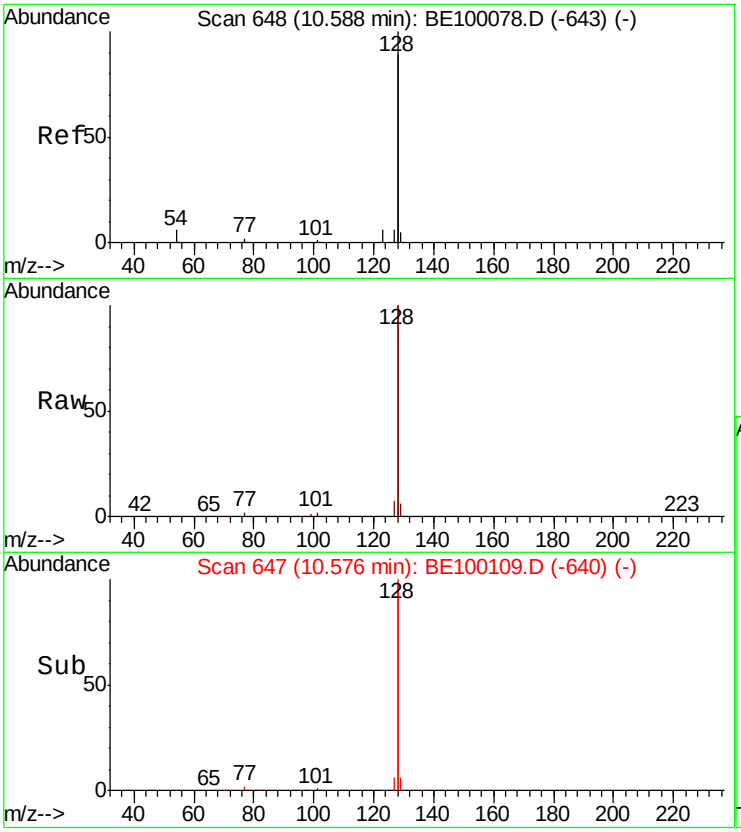


#8
Nitrobenzene-d5
Concen: 0.402 ng
RT: 8.90 min Scan# 518
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion: 82 Resp: 762

Ion	Ratio	Lower	Upper
82	100		
128	264.6	128.0	192.0#
54	177.6	143.4	215.0

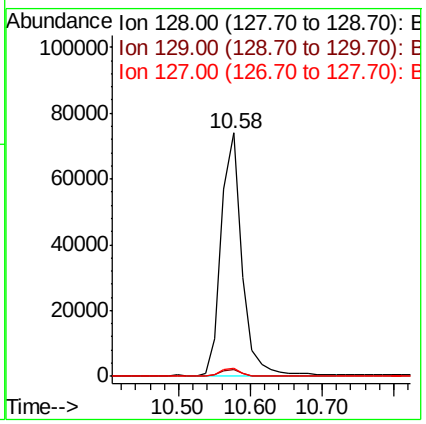




#9
Naphthalene
Concen: 6.898 ng
RT: 10.58 min Scan# 647
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:128 Resp: 146611

Ion	Ratio	Lower	Upper
128	100		
129	2.9	3.1	4.7#
127	3.3	3.4	5.2#



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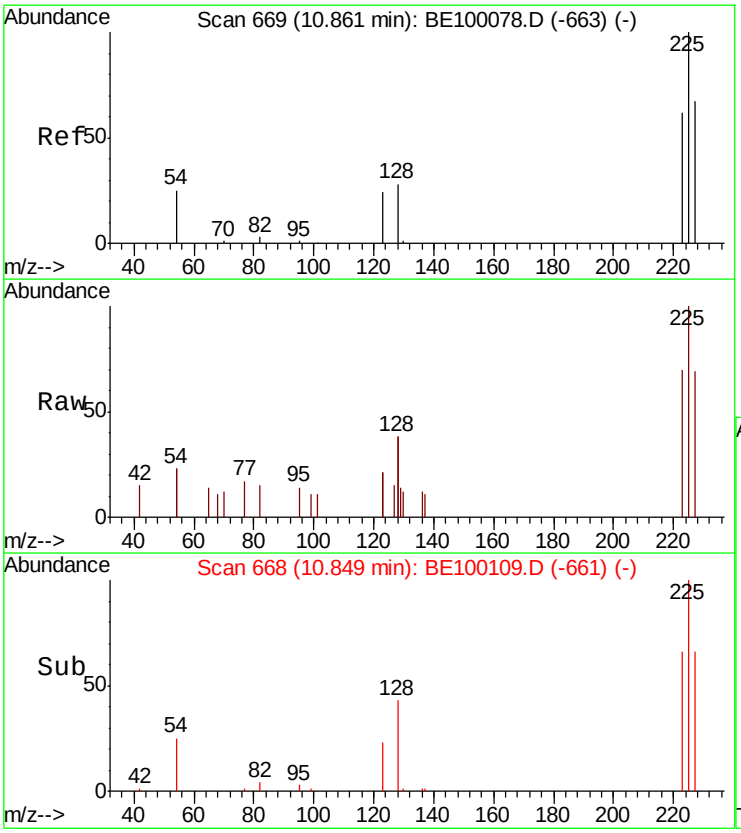
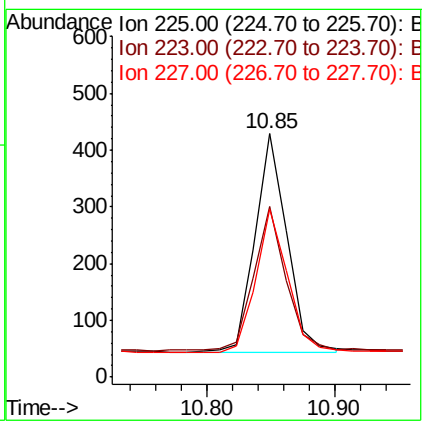
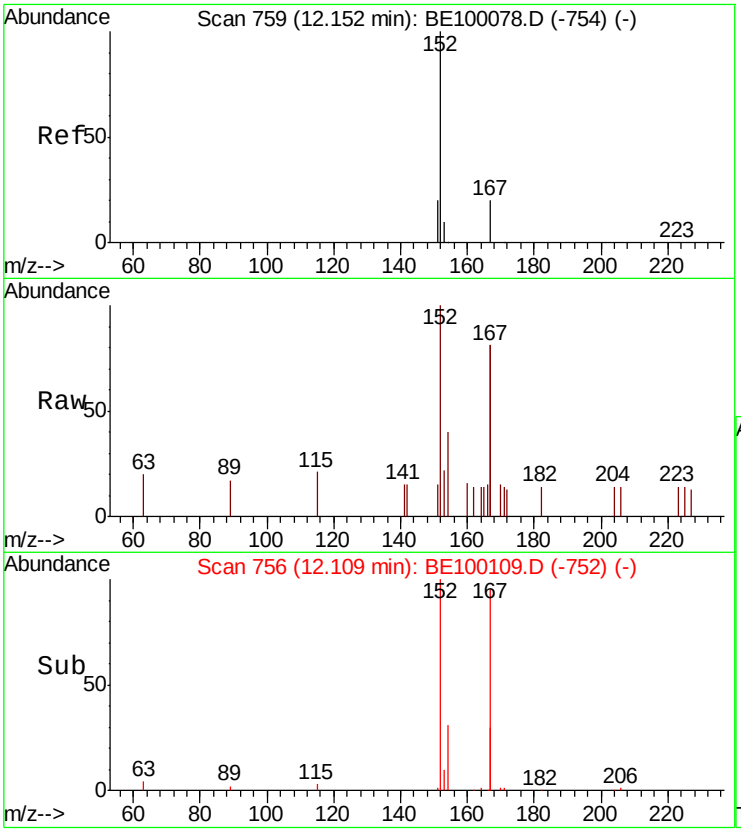


#10
Hexachlorobutadiene
Concen: 0.319 ng
RT: 10.85 min Scan# 668
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:225 Resp: 666

Ion	Ratio	Lower	Upper
225	100		
223	65.6	52.2	78.4
227	64.6	53.0	79.6

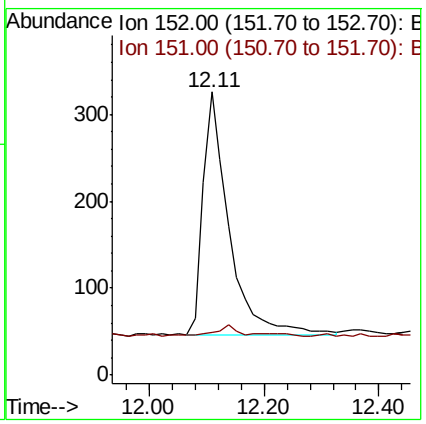




#11
2-Methylnaphthalene-d10
Concen: 0.237 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.04 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:152 Resp: 880

Ion	Ratio	Lower	Upper
152	100		
151	0.0	16.3	24.5#



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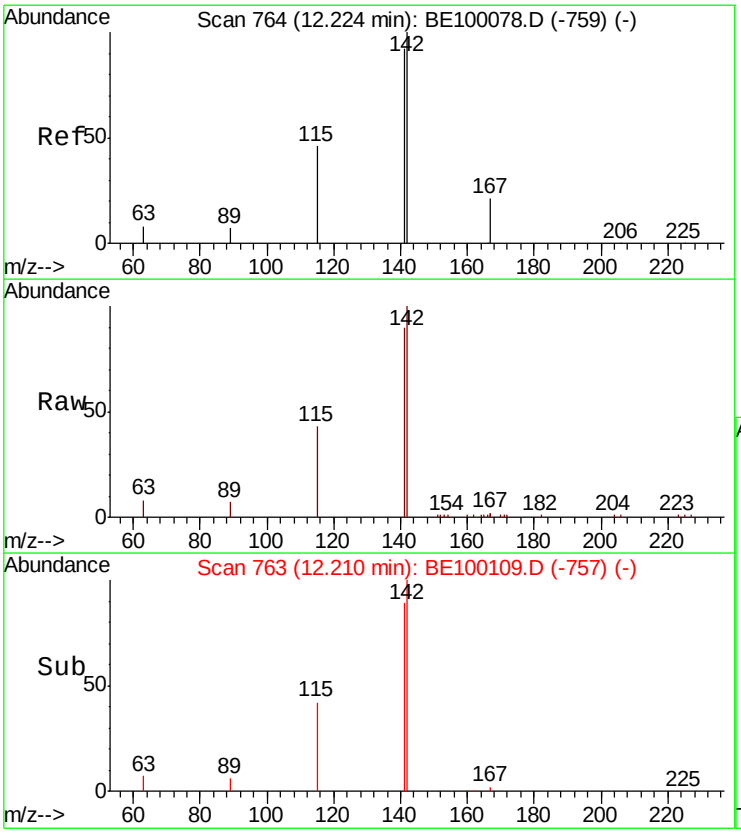
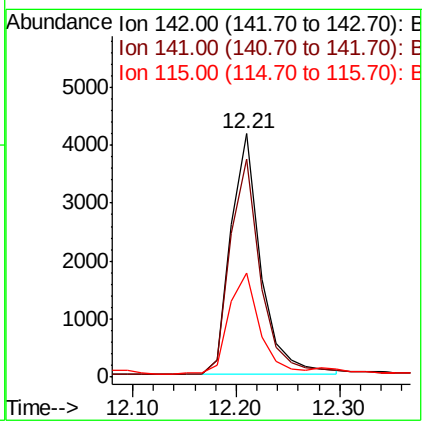
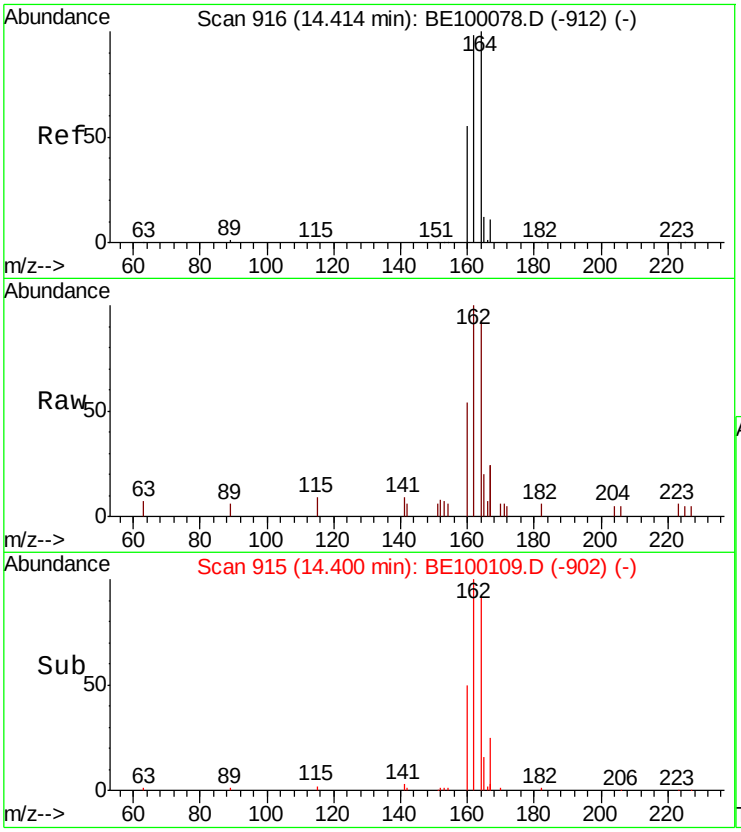


#12
2-Methylnaphthalene
Concen: 2.404 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:142 Resp: 8402

Ion	Ratio	Lower	Upper
142	100		
141	89.5	74.1	111.1
115	42.7	40.9	61.3

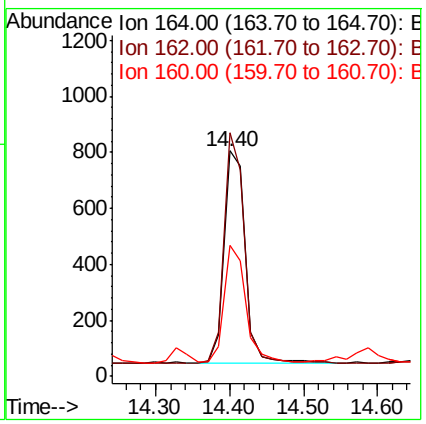




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:164 Resp: 1533

Ion	Ratio	Lower	Upper
164	100		
162	108.0	78.2	117.2
160	58.1	45.6	68.4



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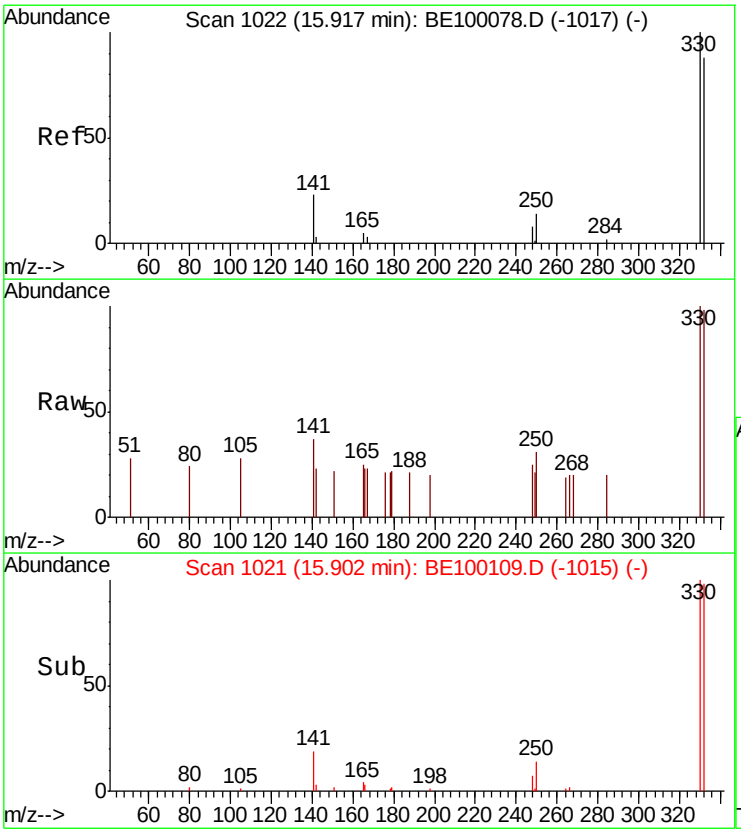
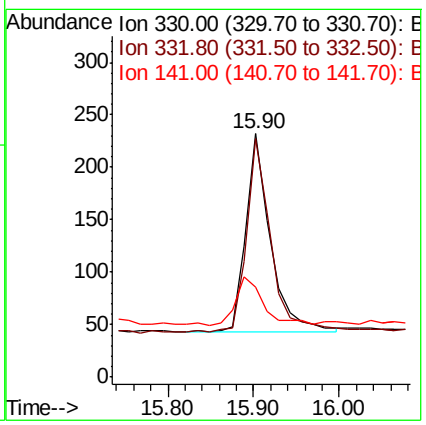
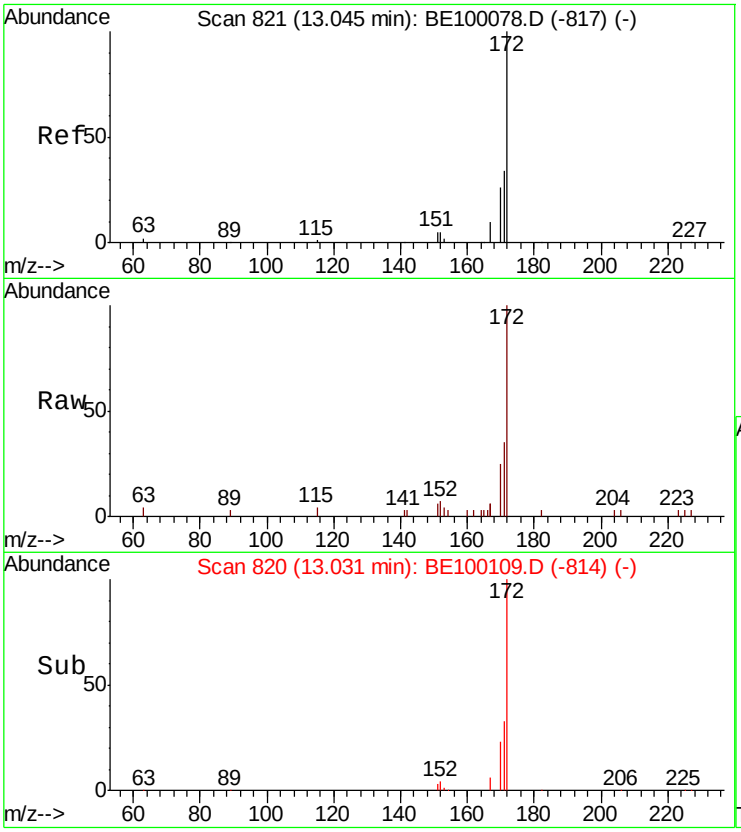


#14
2,4,6-Tribromophenol
Concen: 0.446 ng
RT: 15.90 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:330 Resp: 378

Ion	Ratio	Lower	Upper
330	100		
332	97.6	73.3	109.9
141	26.5	22.2	33.2

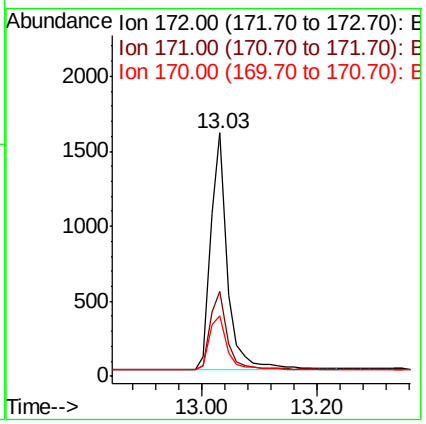




#15
2-Fluorobiphenyl
Concen: 0.524 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:172 Resp: 3158

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.8	44.8
170	24.9	23.2	34.8



Instrument :
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ClientSampleId :
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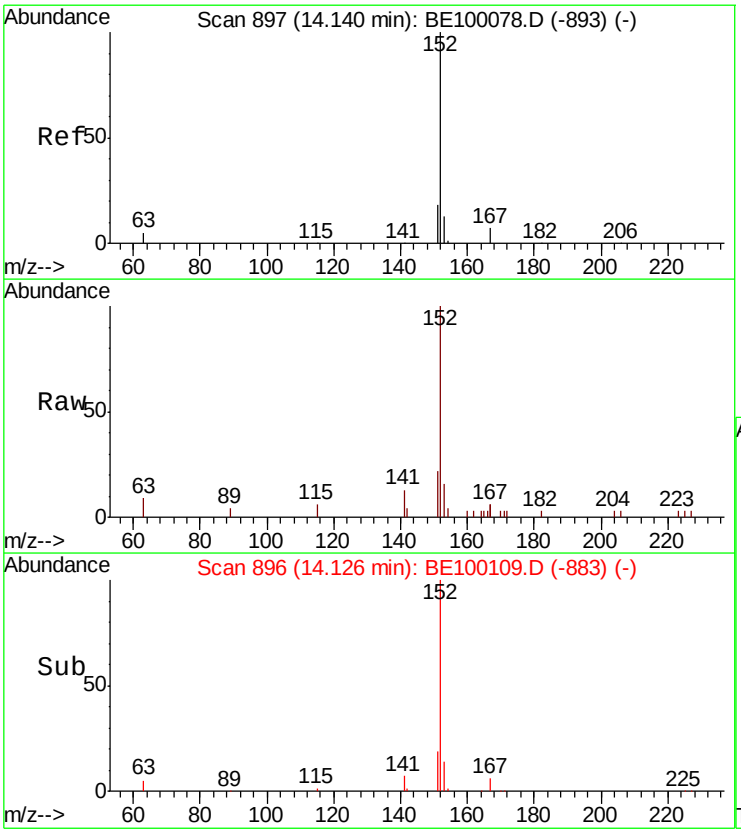
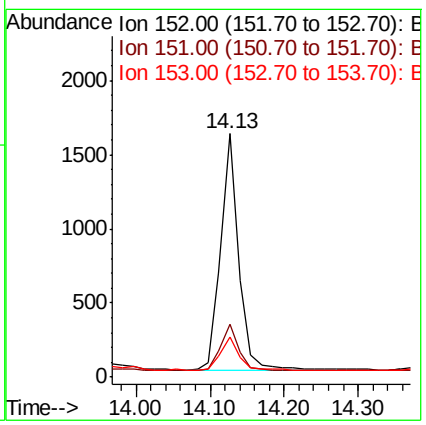
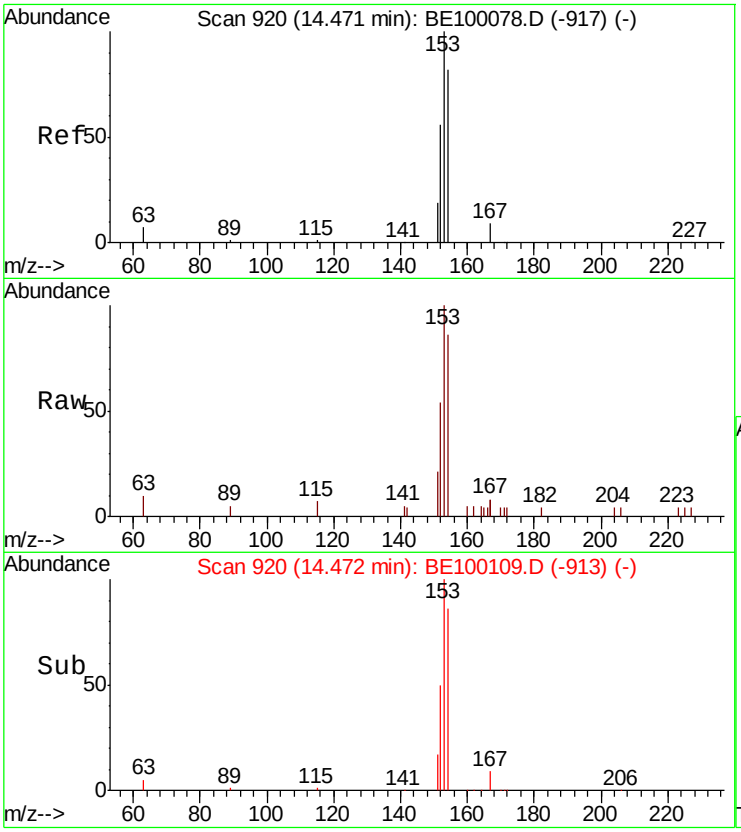


#16
Acenaphthylene
Concen: 0.367 ng
RT: 14.13 min Scan# 896
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:152 Resp: 2672

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	14.9	10.1	15.1

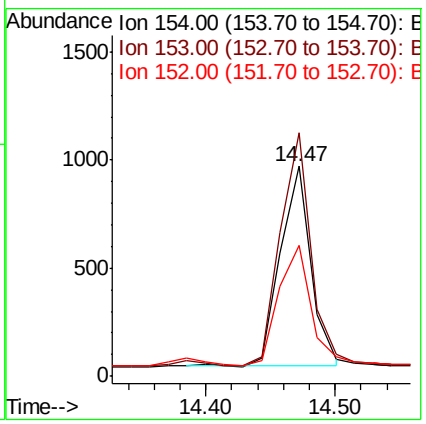




#17
Acenaphthene
Concen: 0.368 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:154 Resp: 1498

Ion	Ratio	Lower	Upper
154	100		
153	118.2	95.5	143.3
152	64.8	54.9	82.3



Instrument :
BNA_E
ClientSampleId :
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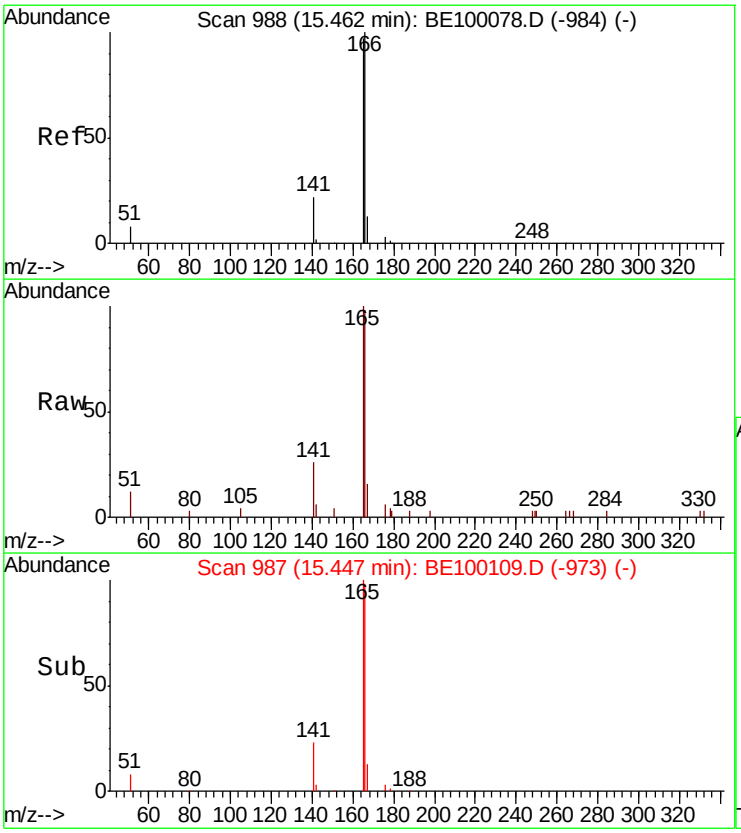
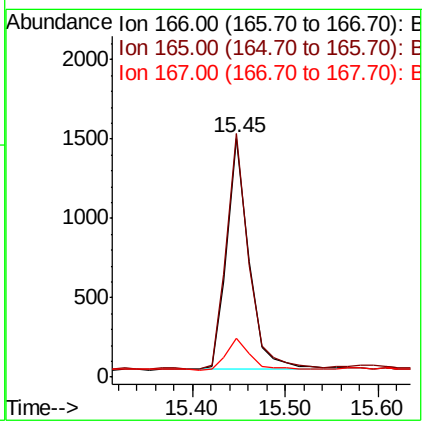
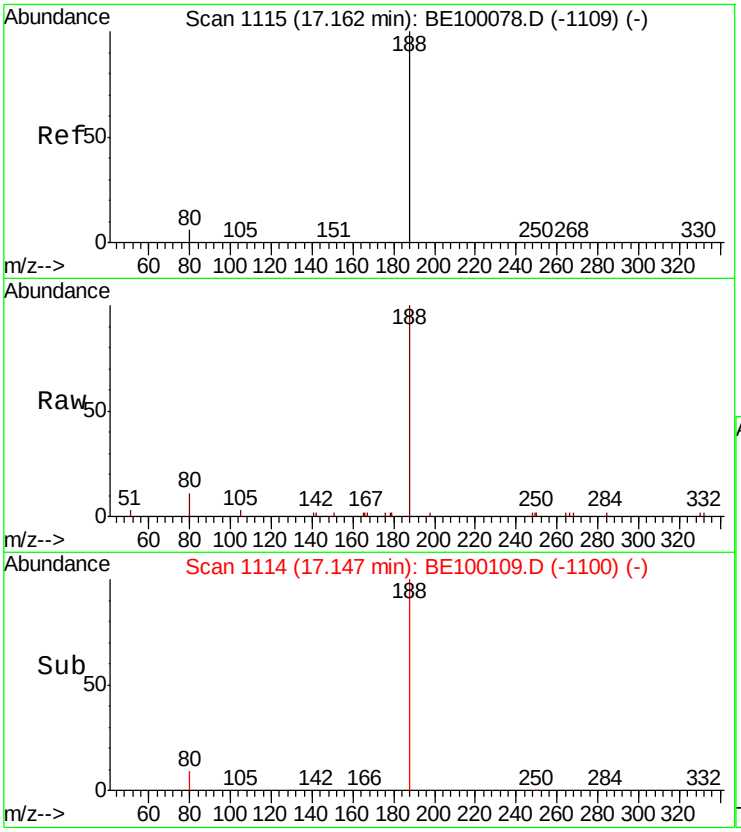


#18
Fluorene
Concen: 0.399 ng
RT: 15.45 min Scan# 987
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:166 Resp: 2417

Ion	Ratio	Lower	Upper
166	100		
165	102.6	79.8	119.8
167	14.5	10.2	15.4





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.15 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:188 Resp: 4995

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.0	6.3	9.5#

Instrument :
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ClientSampleId :
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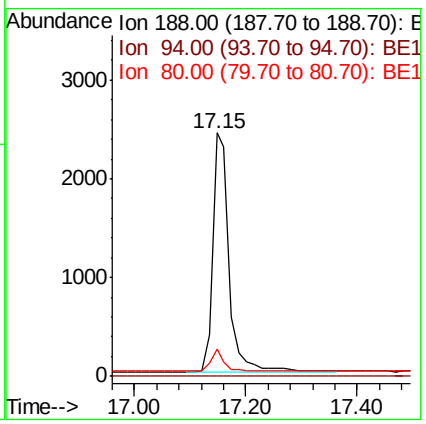
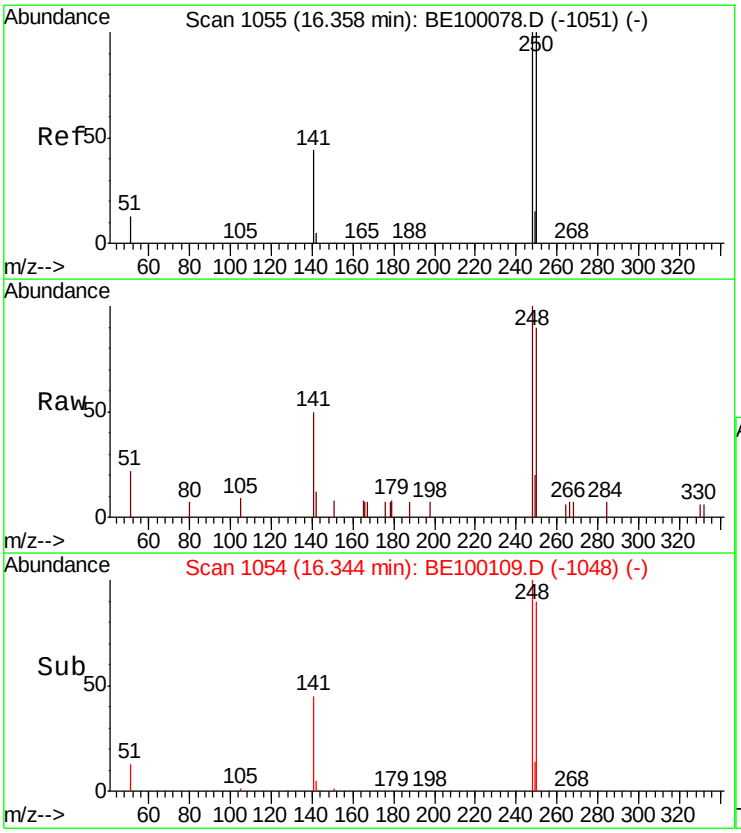
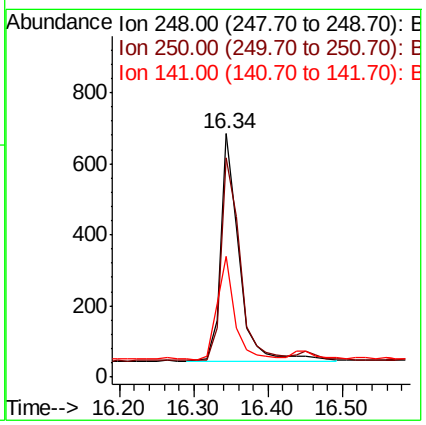


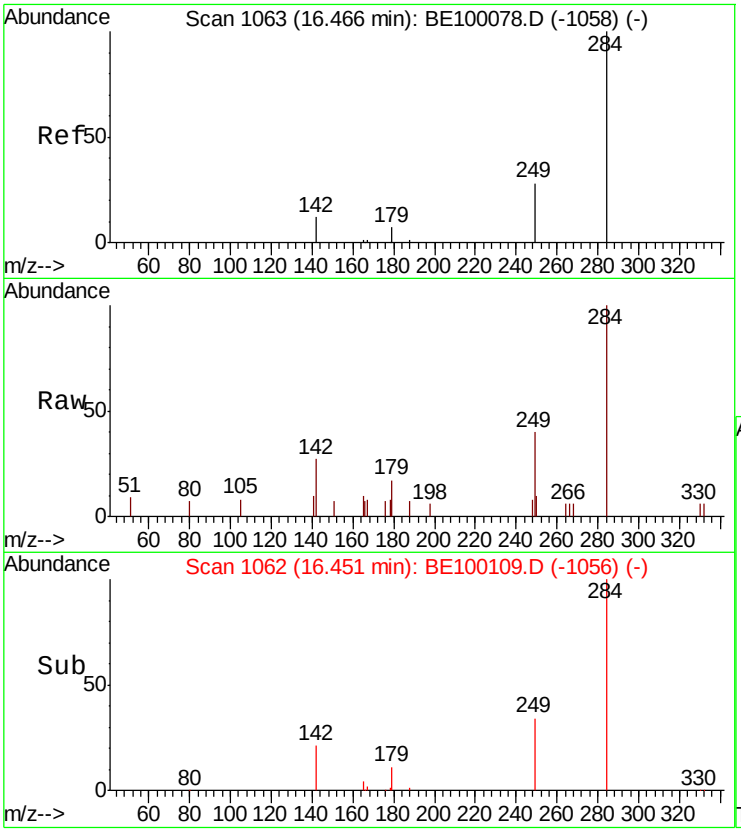


#20
4-Bromophenyl-phenylether
Concen: 0.375 ng
RT: 16.34 min Scan# 1054
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:248 Resp: 1112

Ion	Ratio	Lower	Upper
248	100		
250	90.2	80.6	120.8
141	49.8	38.8	58.2

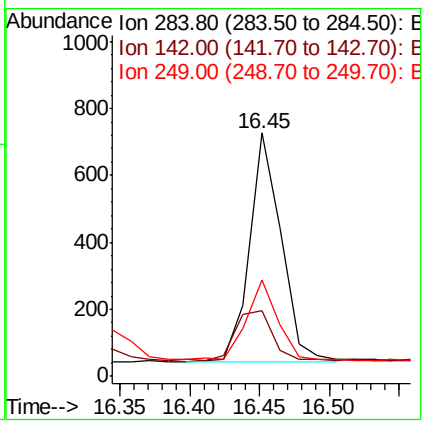




#21
Hexachlorobenzene
Concen: 0.327 ng
RT: 16.45 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:284 Resp: 1071

Ion	Ratio	Lower	Upper
284	100		
142	25.4	20.7	31.1
249	34.1	26.6	39.8



Instrument :
BNA_E
ClientSampleId :
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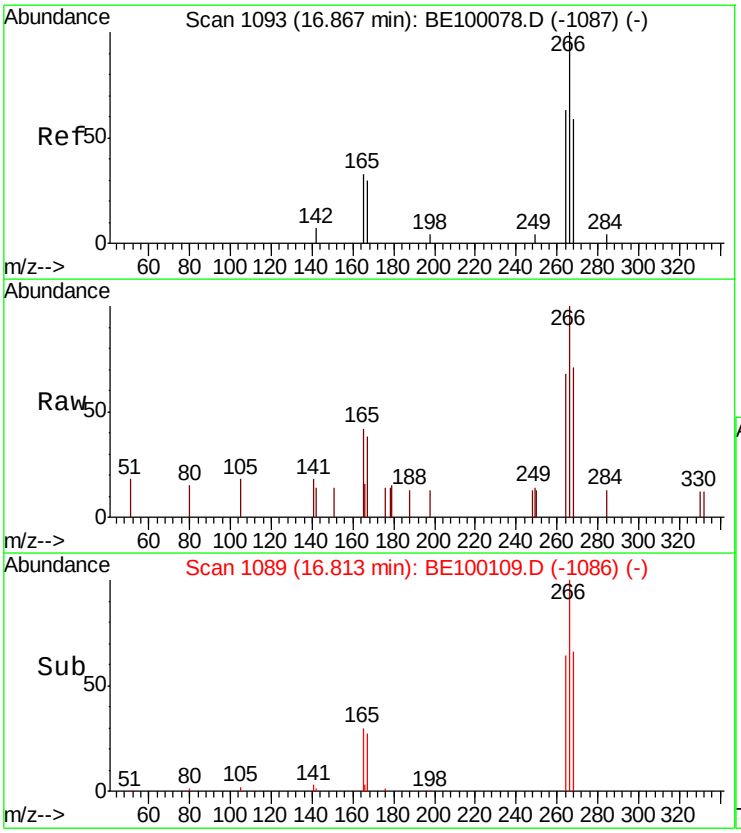
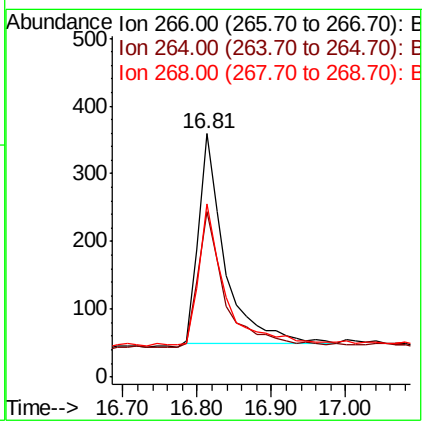
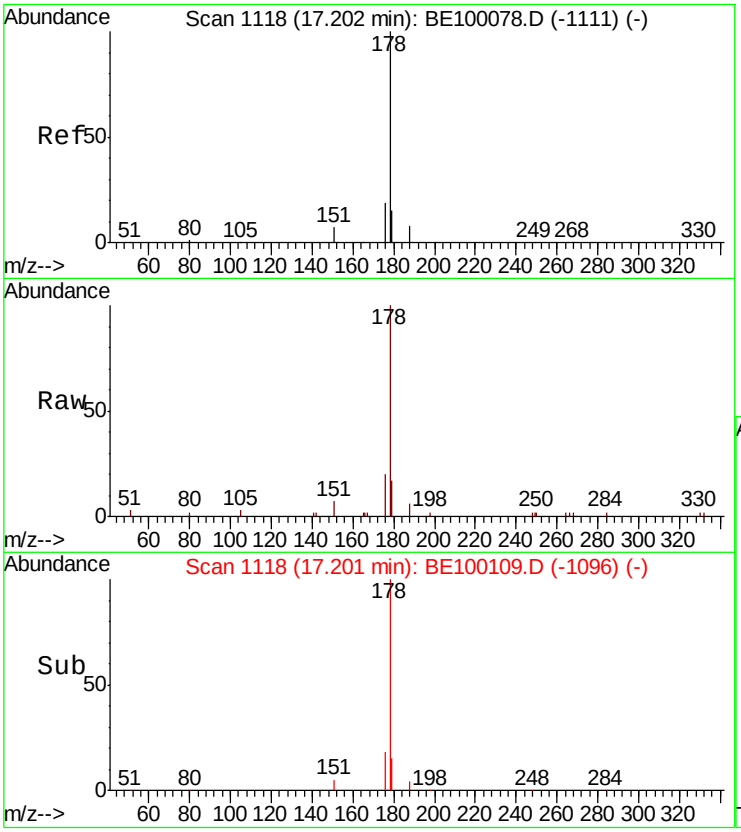


#22
Pentachlorophenol
Concen: 0.945 ng
RT: 16.81 min Scan# 1089
Delta R.T. -0.05 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:266 Resp: 748

Ion	Ratio	Lower	Upper
266	100		
264	68.0	67.8	101.6
268	71.3	70.0	105.0

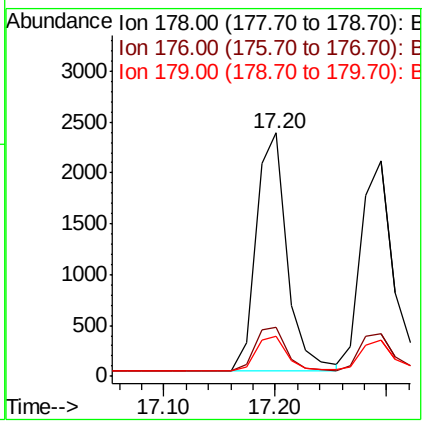




#23
Phenanthrene
Concen: 0.382 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:178 Resp: 4577

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.9	23.9
179	15.4	13.1	19.7



Instrument :
BNA_E
ClientSampleId :
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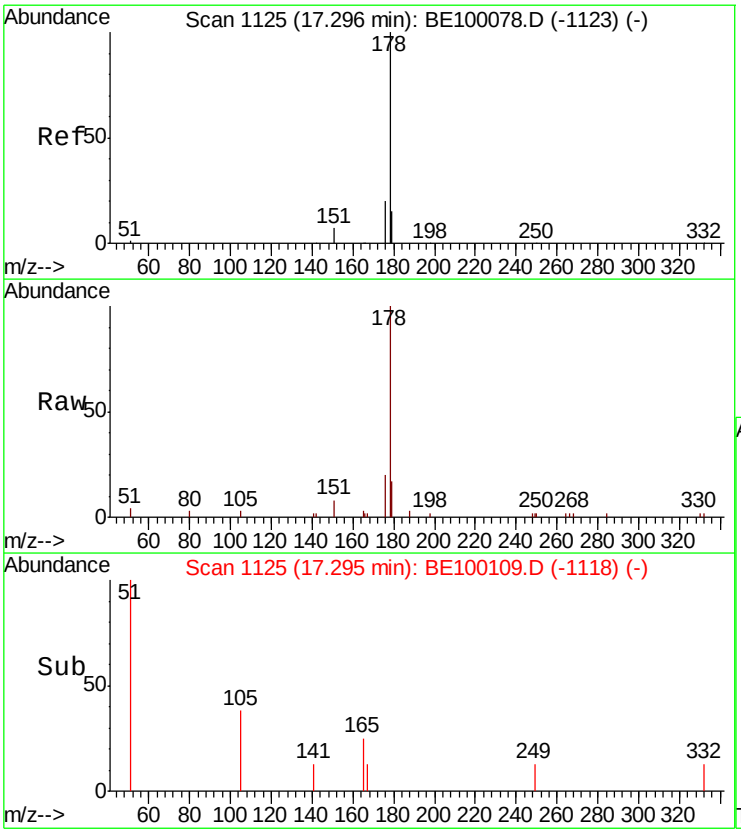
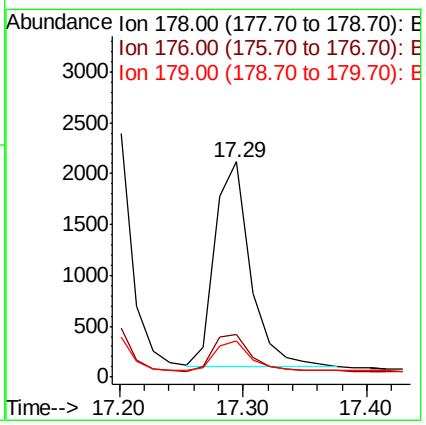
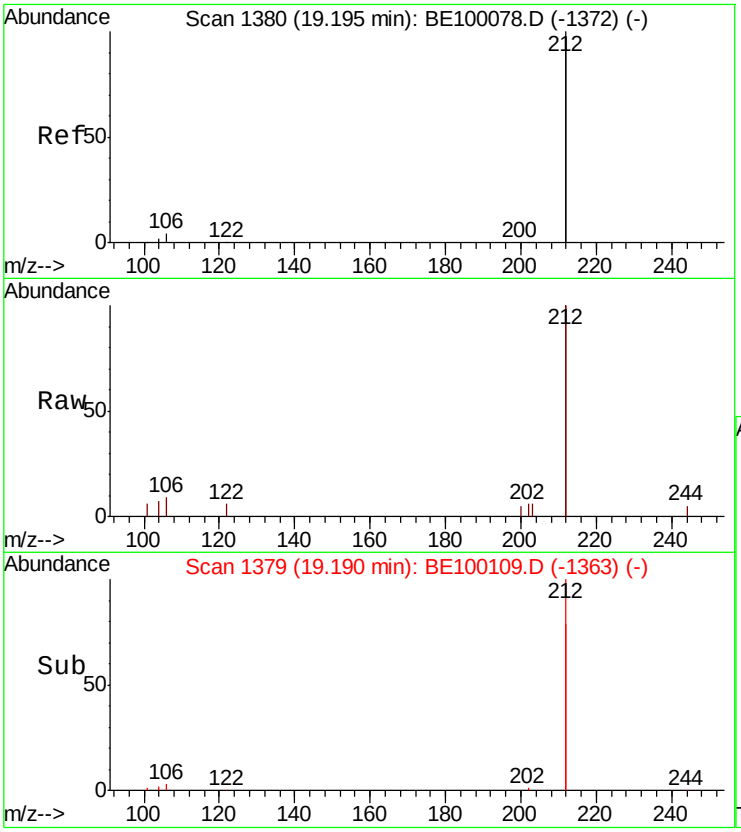


#24
Anthracene
Concen: 0.401 ng
RT: 17.29 min Scan# 1125
Delta R.T. -0.00 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:178 Resp: 4043

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.6
179	14.6	12.0	18.0





#25
Fluoranthene-d10
Concen: 0.036 ng
RT: 19.19 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:212 Resp: 2603

Ion	Ratio	Lower	Upper
212	100		
106	2.3	1.4	2.0#
104	1.0	0.8	1.2

Instrument :
BNA_E
ClientSampleId :
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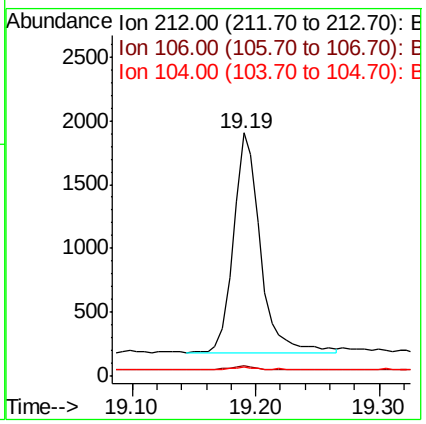
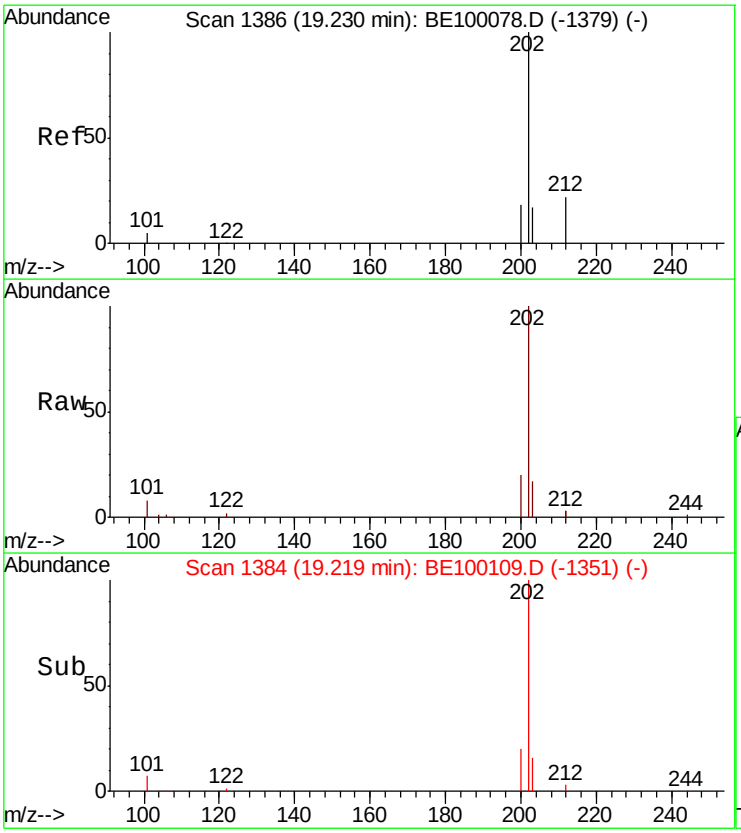
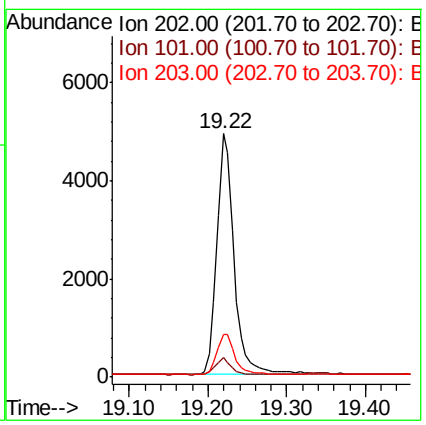


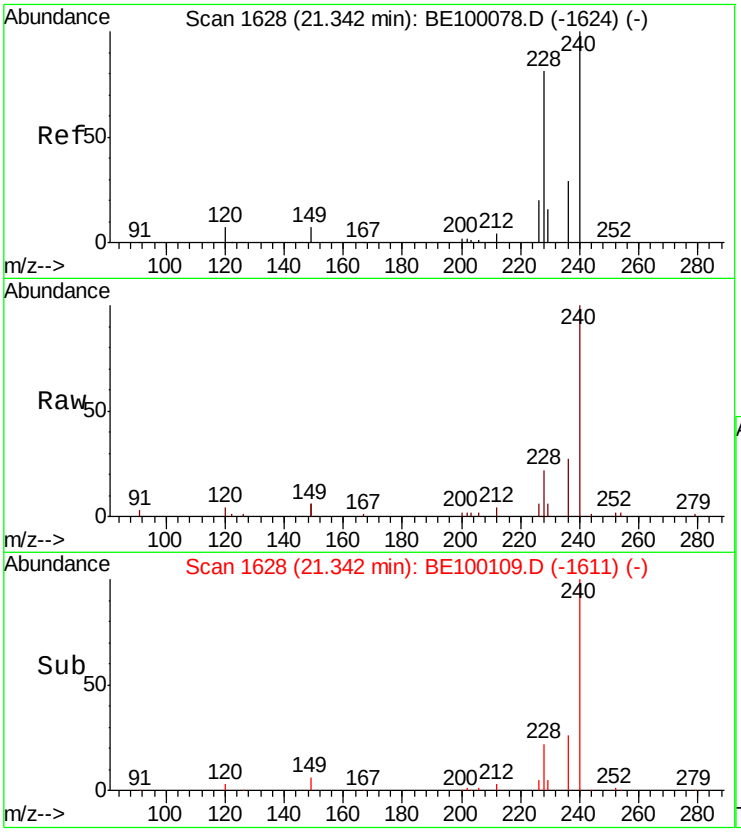


#26
Fluoranthene
Concen: 0.387 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:202 Resp: 7428

Ion	Ratio	Lower	Upper
202	100		
101	6.5	5.0	7.4
203	17.3	13.7	20.5

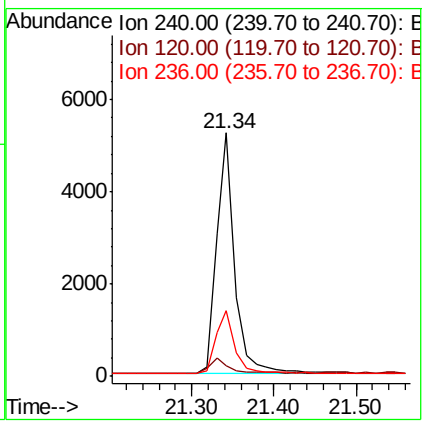




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:240 Resp: 8120

Ion	Ratio	Lower	Upper
240	100		
120	4.3	6.6	10.0#
236	27.2	23.8	35.6



Instrument :
BNA_E
ClientSampleId :
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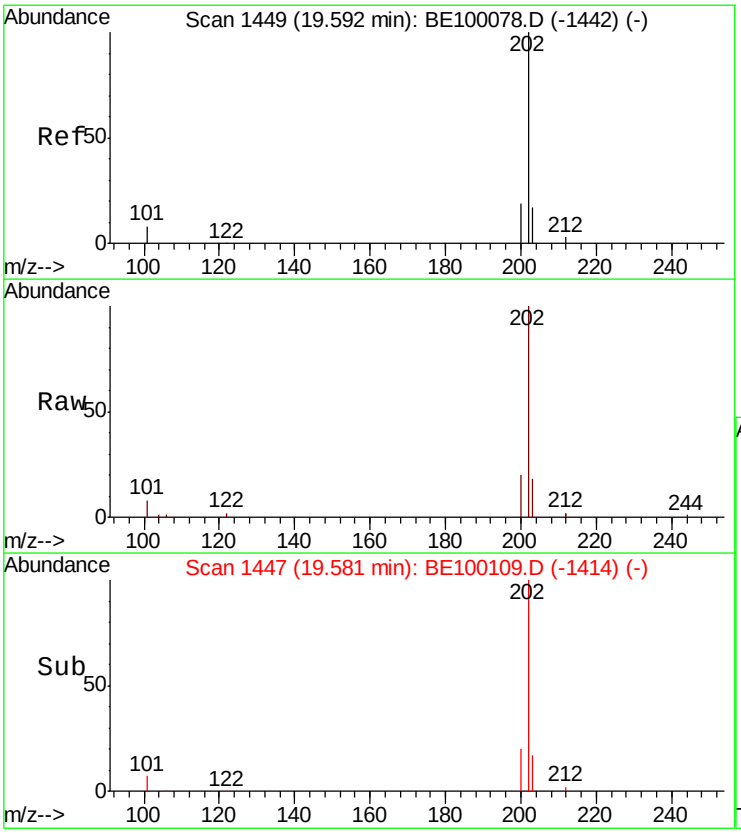
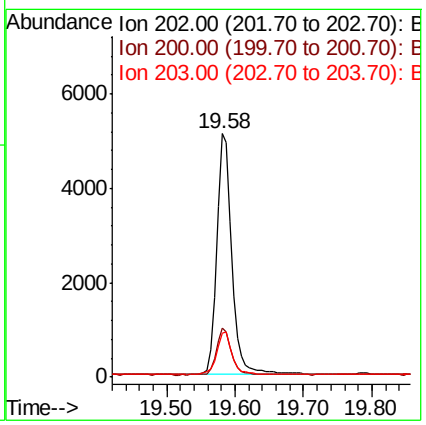
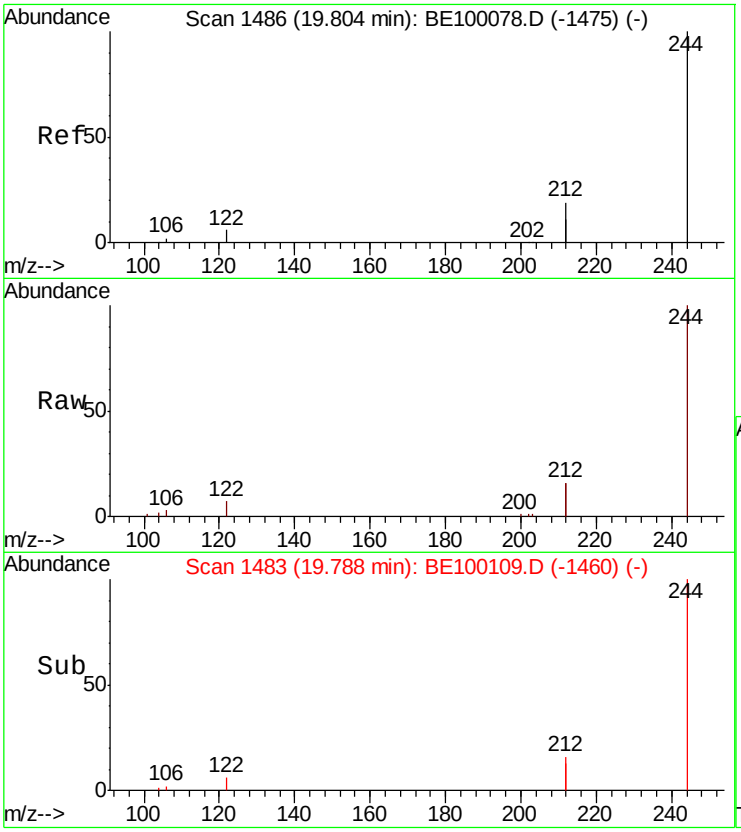


#28
Pyrene
Concen: 0.380 ng
RT: 19.58 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:202 Resp: 7933

Ion	Ratio	Lower	Upper
202	100		
200	19.2	15.6	23.4
203	18.0	13.9	20.9

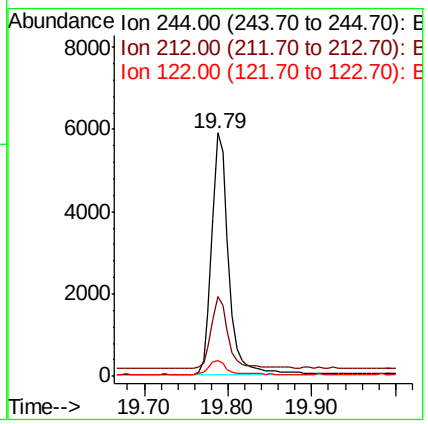




#29
Terphenyl-d14
Concen: 0.513 ng
RT: 19.79 min Scan# 1483
Delta R.T. -0.02 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:244 Resp: 8322

Ion	Ratio	Lower	Upper
244	100		
212	32.7	29.8	44.8
122	6.7	6.1	9.1



Instrument :
BNA_E
ClientSampleId :
MW-5_061219MS

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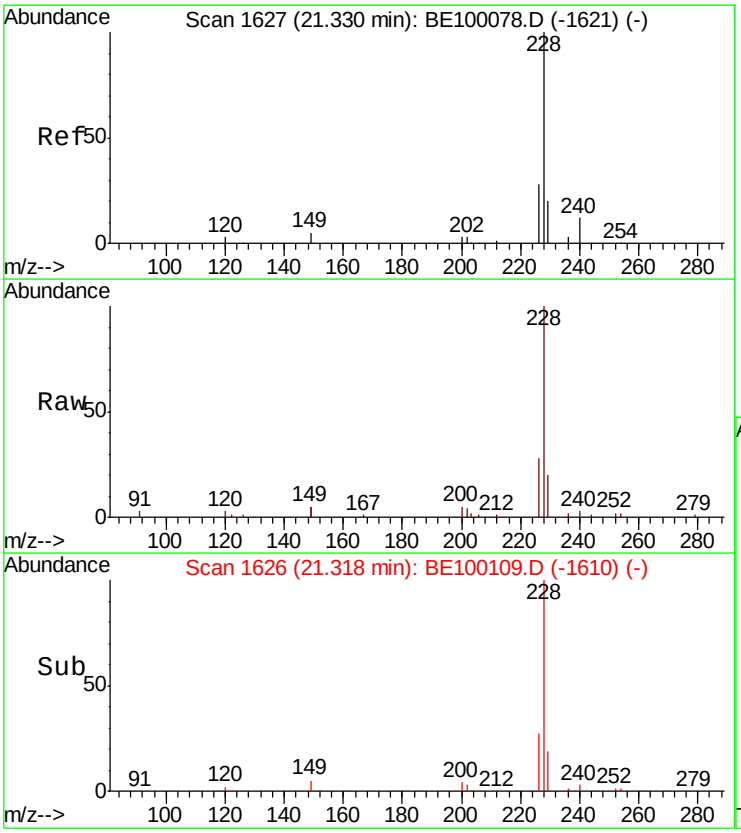
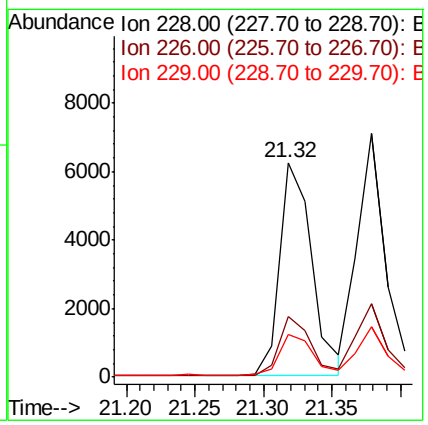
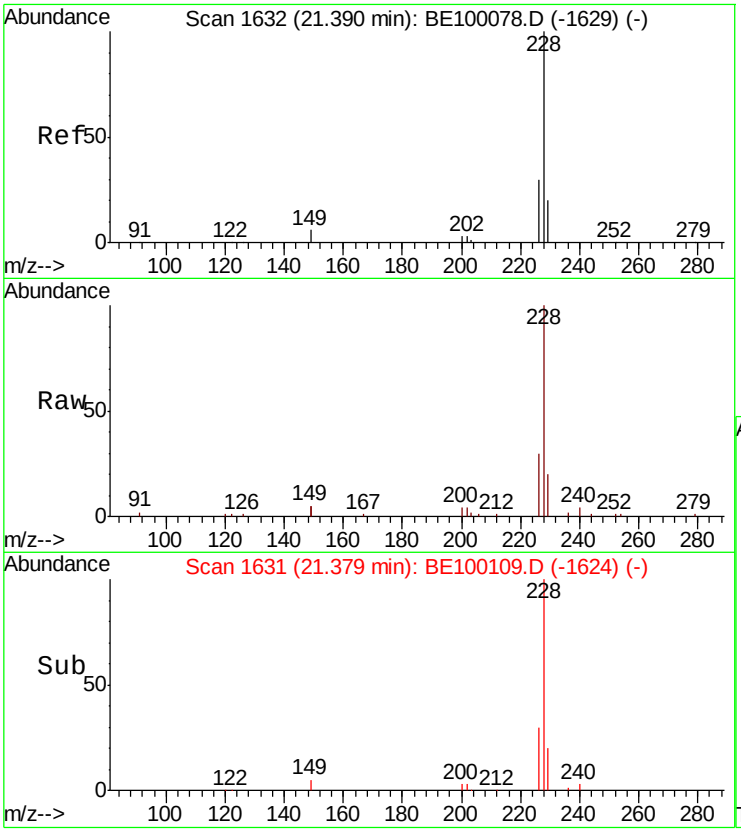


#30
Benzo(a)anthracene
Concen: 0.417 ng
RT: 21.32 min Scan# 1626
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:228 Resp: 10079

Ion	Ratio	Lower	Upper
228	100		
226	28.0	23.0	34.4
229	20.0	16.4	24.6

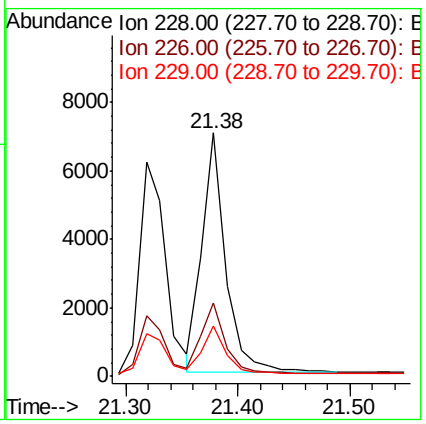




#31
Chrysene
Concen: 0.362 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:228 Resp: 10163

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.8
229	20.4	16.3	24.5



Instrument :
BNA_E
ClientSampleId :
MW-5_061219MS

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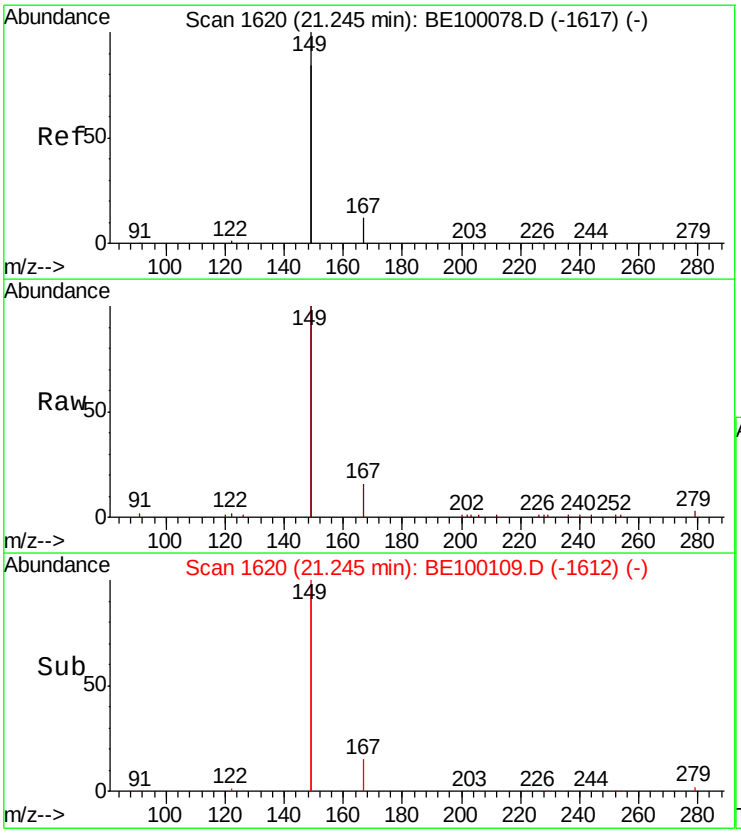
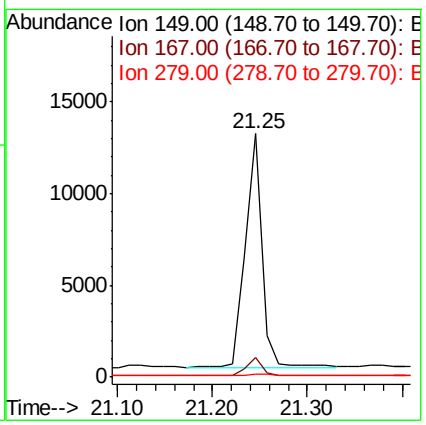
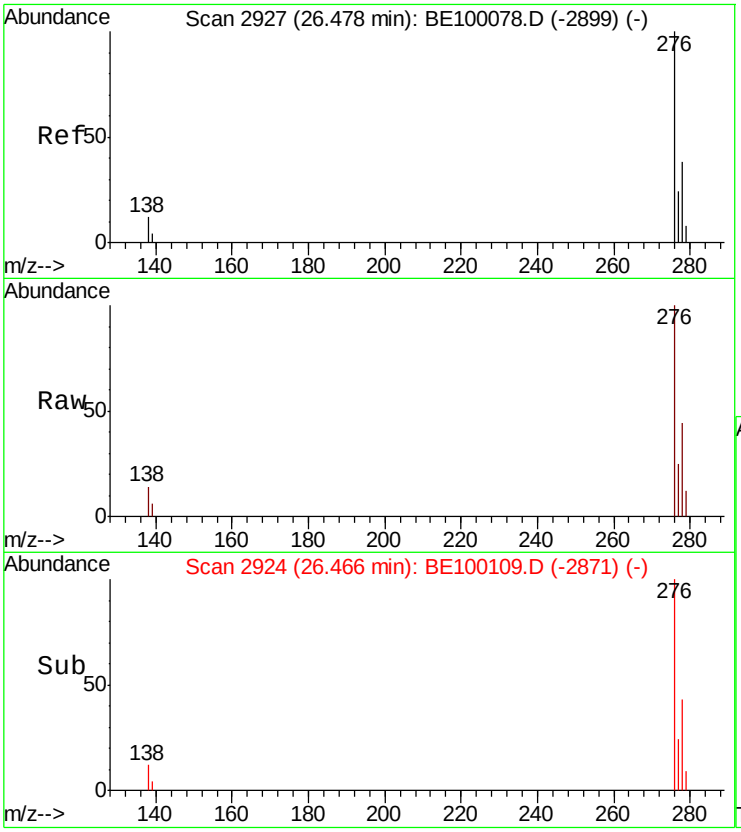


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.682 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:149 Resp: 15536

Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.8	8.6
279	1.3	1.1	1.7





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.391 ng
RT: 26.47 min Scan# 2924
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:276 Resp: 12347

Ion	Ratio	Lower	Upper
276	100		
138	12.9	4.3	6.5#
277	24.2	19.4	29.0

Instrument :
BNA_E
ClientSampleId :
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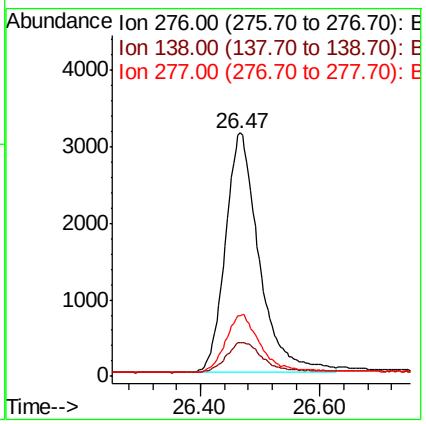
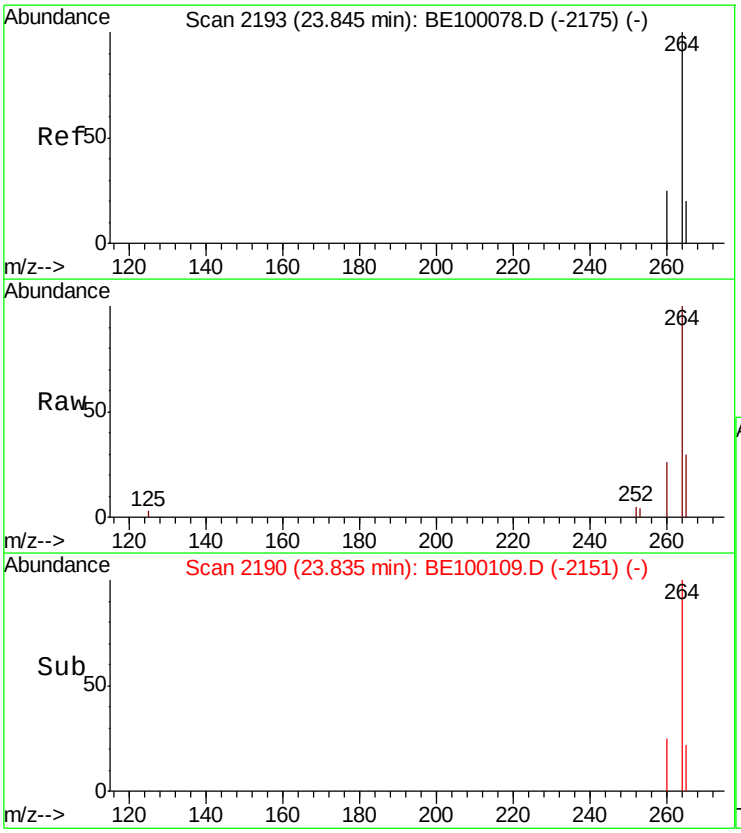
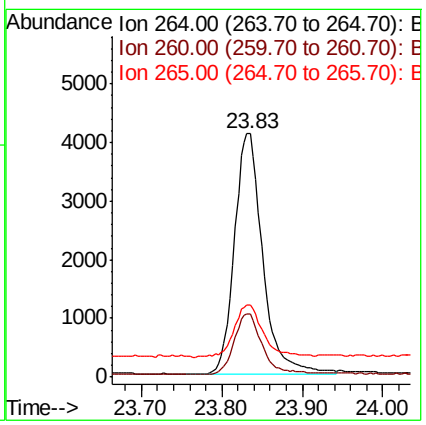


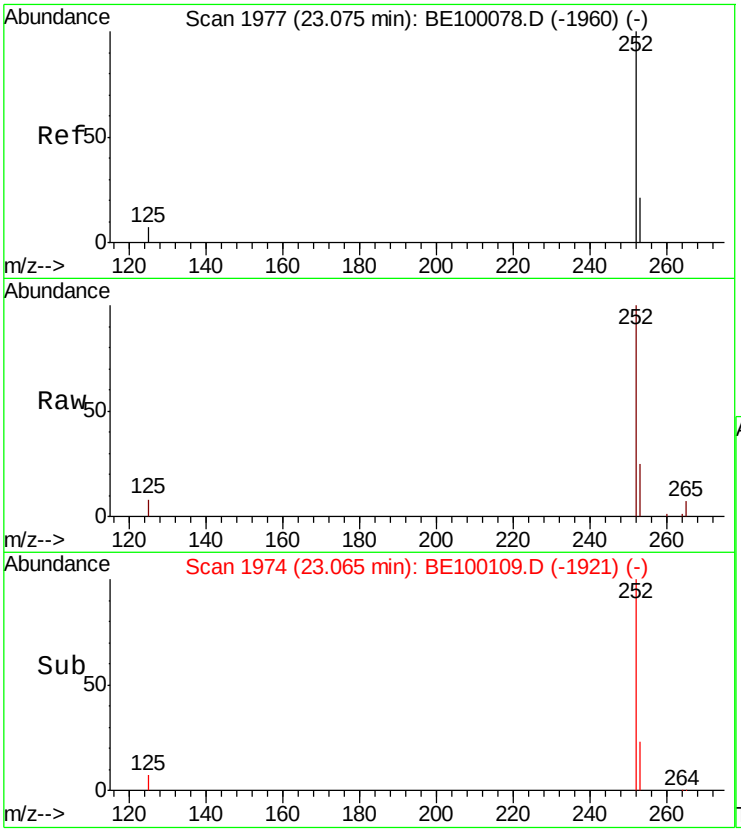


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.83 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:264 Resp: 9995

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.8	31.2
265	29.6	23.2	34.8





#35
Benzo(b)fluoranthene
Concen: 0.351 ng
RT: 23.07 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:252 Resp: 10300

Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.4	27.6
125	8.3	6.4	9.6

Instrument :
BNA_E
ClientSampleId :
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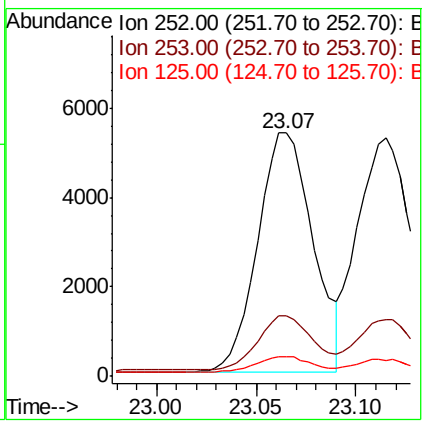
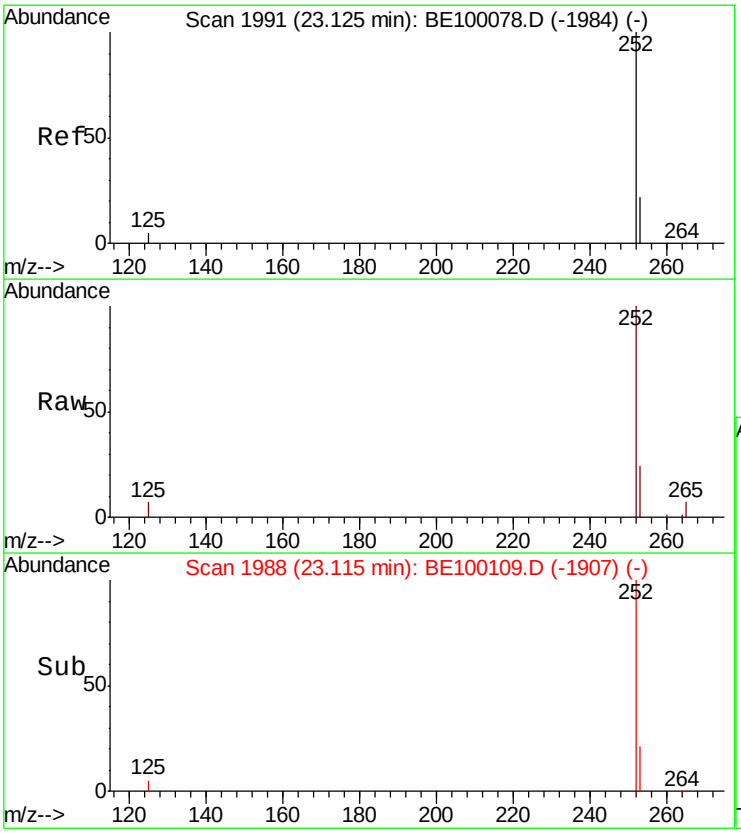
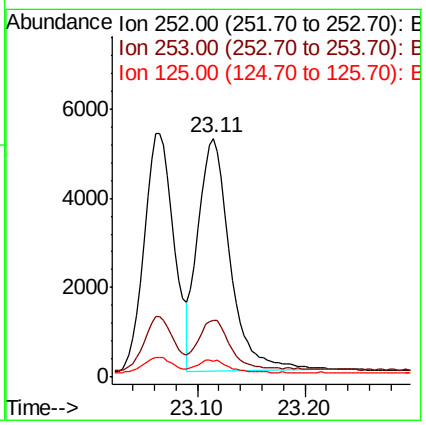


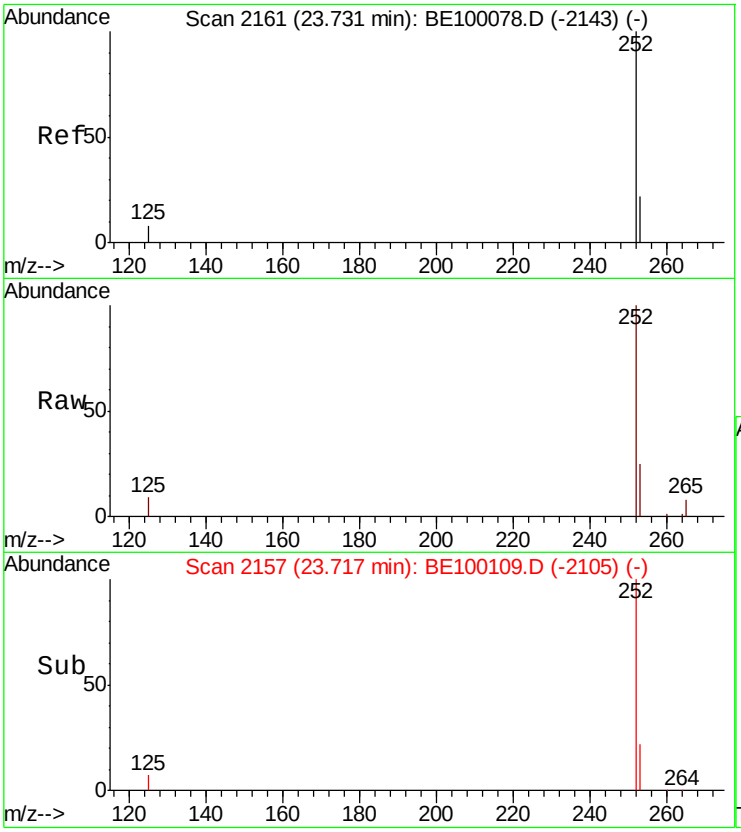


#36
Benzo(k)fluoranthene
Concen: 0.324 ng
RT: 23.11 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:252 Resp: 10823

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.9	28.3
125	6.7	5.3	7.9





#37
Benzo(a)pyrene
Concen: 0.362 ng
RT: 23.72 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:252 Resp: 10262

Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.4	29.2
125	9.0	8.0	12.0

Instrument :
BNA_E
ClientSampleId :
MW-5_061219MS

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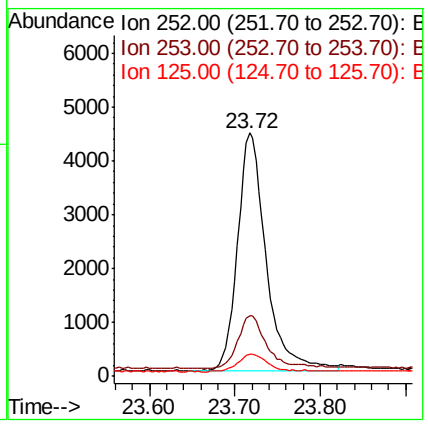
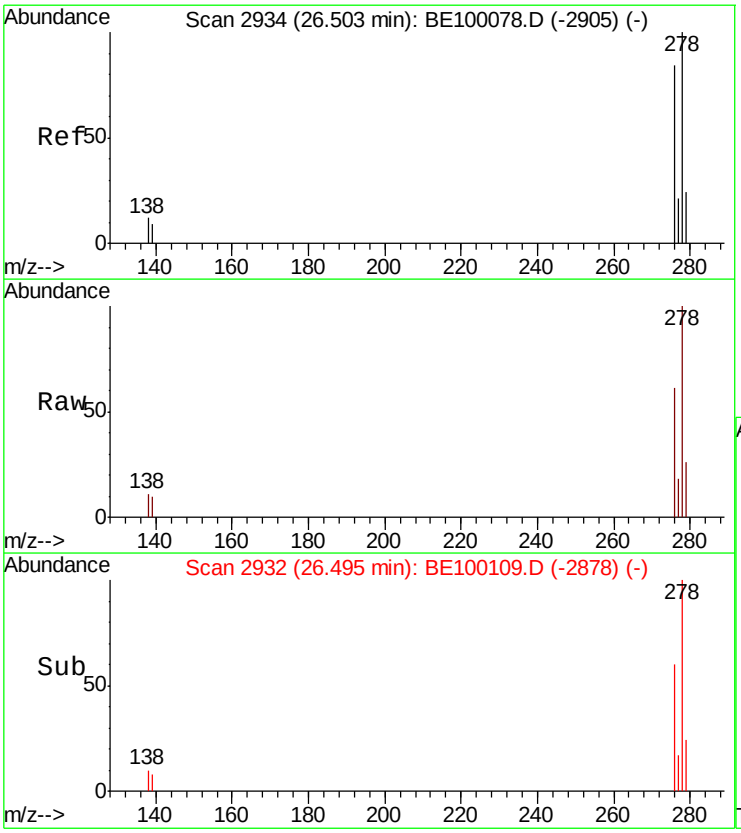
6/21/2019 8:16:35 AM

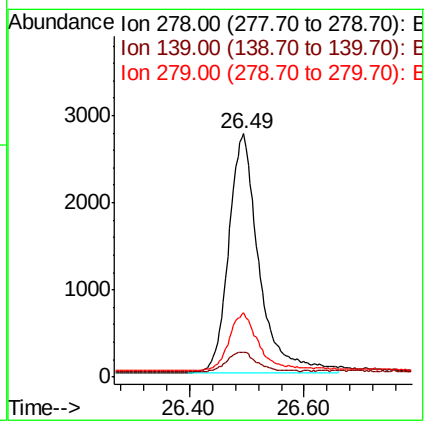


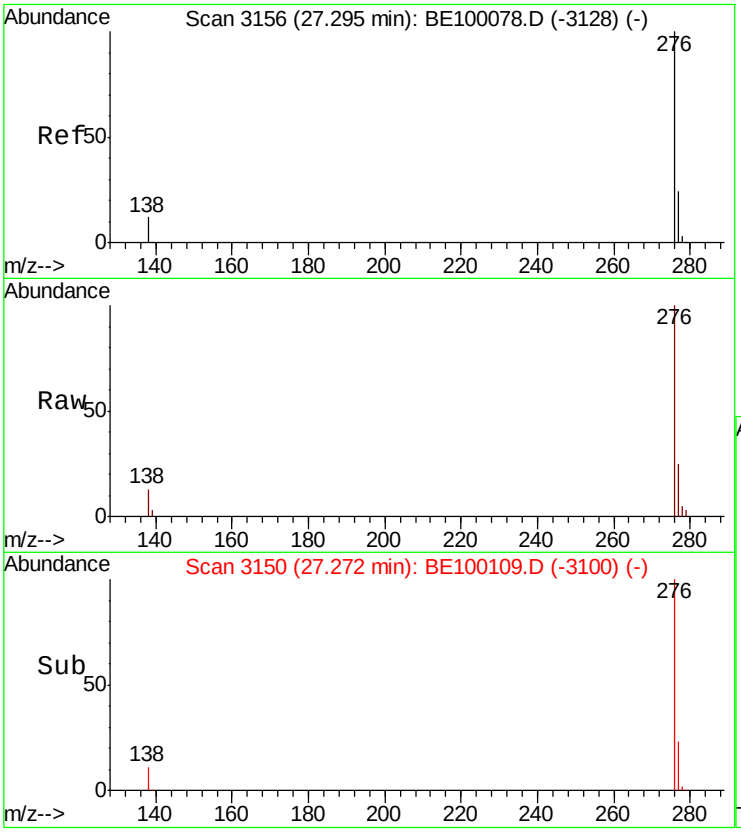


#38
Dibenzo(a,h)anthracene
Concen: 0.347 ng
RT: 26.49 min Scan# 2932
Delta R.T. -0.01 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:278 Resp: 10065

Ion	Ratio	Lower	Upper
278	100		
139	10.2	9.0	13.6
279	26.5	21.4	32.0

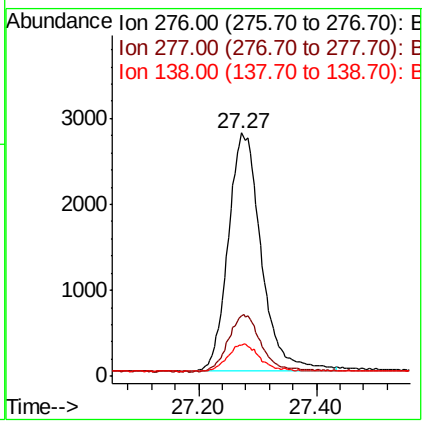




#39
Benzo(g,h,i)perylene
Concen: 0.359 ng
RT: 27.27 min Scan# 3150
Delta R.T. -0.02 min
Lab File: BE100109.D
Acq: 20 Jun 2019 15:26

Tgt Ion:276 Resp: 10822

Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.3	30.5
138	12.6	11.3	16.9



Instrument :
BNA_E
ClientSampleId :
MW-5_061219MS

Manual Integrations APPROVED
mohammad
6/21/2019 8:16:35 AM