Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102819\
Data File : BE100683.D
Acq On : 28 Oct 2019 20:54
Operator : JU
Sample : K5546-03MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
GW809-8.0-13.0-102419MSD

Manual Integrations APPROVED
mohammad
10/29/2019 3:35:58 PM

Quant Time: Oct 29 12:15:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 16:49:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	3842	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	16250	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	10159	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	23217	0.40	ng	-0.01
27) Chrysene-d12	21.35	240	32539	0.40	ng	0.00
34) Perylene-d12	23.82	264	41768	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	3186	0.27	ng	0.00
5) Phenol-d6	7.01	99	3440	0.21	ng	0.00
8) Nitrobenzene-d5	8.99	82	4560	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	8723m	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1283	0.48	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	13018	0.35	ng	0.00
25) Fluoranthene-d10	19.21	212	115330	0.38	ng	0.00
29) Terphenyl-d14	19.82	244	30860	0.43	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.38	88	1545	0.225	ng	# 55
3) n-Nitrosodimethylamine	3.68	42	1949	0.269	ng	# 90
6) bis(2-Chloroethyl)ether	7.28	93	5276	0.384	ng	92
9) Naphthalene	10.68	128	62466	0.366	ng	100
10) Hexachlorobutadiene	10.98	225	2466	0.332	ng	98
12) 2-Methylnaphthalene	12.30	142	10398	0.357	ng	98
16) Acenaphthylene	14.18	152	14974	0.343	ng	99
17) Acenaphthene	14.53	154	9516	0.337	ng	100
18) Fluorene	15.50	166	13058	0.348	ng	100
20) 4-Bromophenyl-phenylether	16.40	248	4216	0.357	ng	91
21) Hexachlorobenzene	16.51	284	3648	0.324	ng	98
22) Pentachlorophenol	16.85	266	3247	0.895	ng	98
23) Phenanthrene	17.23	178	23819	0.373	ng	100
24) Anthracene	17.32	178	21999	0.371	ng	100
26) Fluoranthene	19.25	202	31669	0.380	ng	97
28) Pyrene	19.60	202	33242	0.366	ng	99
30) Benzo(a)anthracene	21.34	228	38467	0.362	ng	99
31) Chrysene	21.39	228	37670	0.355	ng	99
32) Bis(2-ethylhexyl)phthalate	21.28	149	112254	0.506	ng	100
33) Indeno(1,2,3-cd)pyrene	26.42	276	48799	0.374	ng	99
35) Benzo(b)fluoranthene	23.07	252	41985	0.345	ng	99
36) Benzo(k)fluoranthene	23.12	252	43884	0.350	ng	96
37) Benzo(a)pyrene	23.71	252	41121	0.363	ng	99
38) Dibenzo(a,h)anthracene	26.46	278	40558	0.346	ng	99
39) Benzo(g,h,i)perylene	27.23	276	41791	0.355	ng	99

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

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Misc :
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Quant Time: Oct 29 12:15:51 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 16:49:33 2019
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
GW809-8.0-13.0-102419MSD

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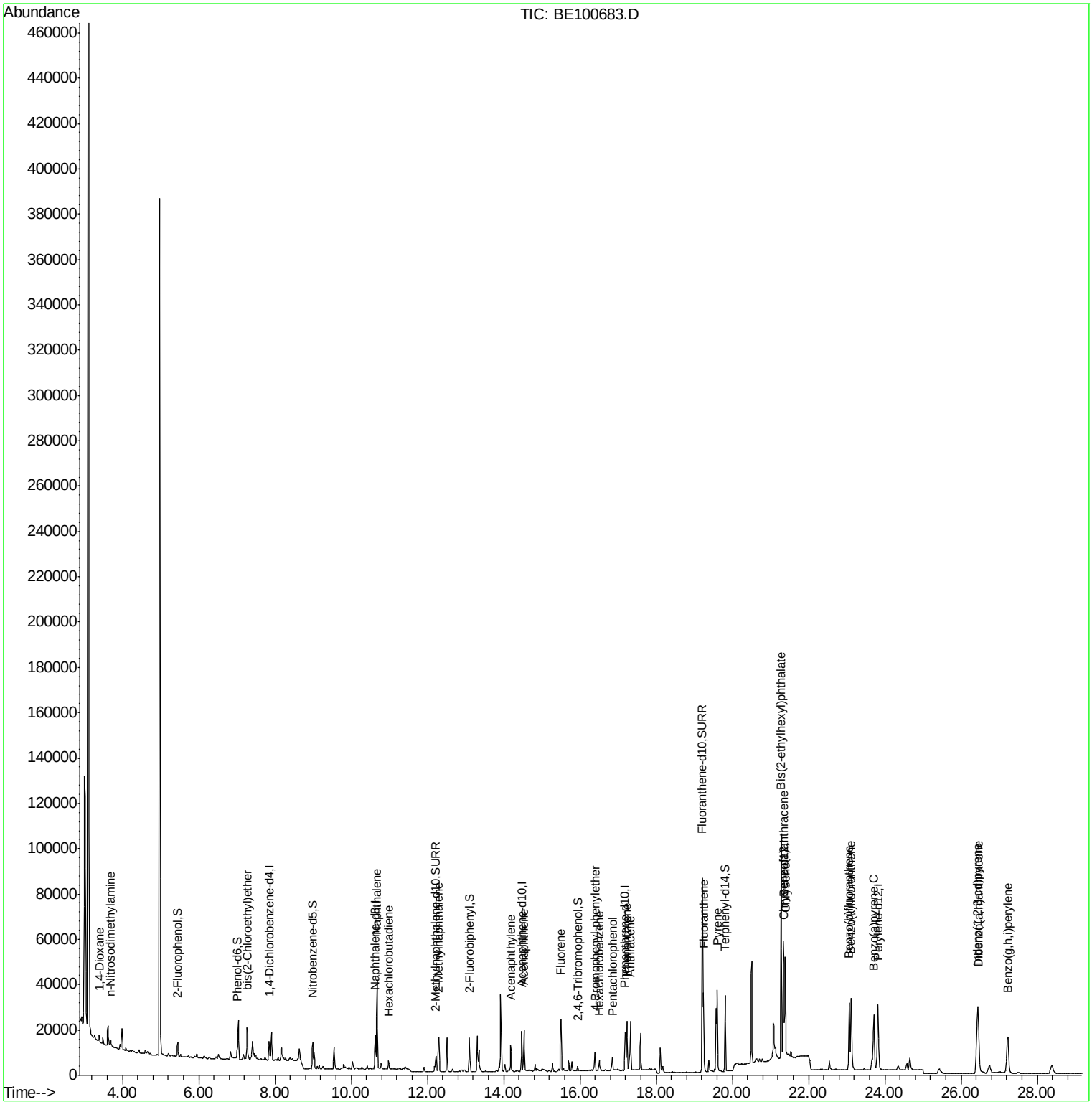
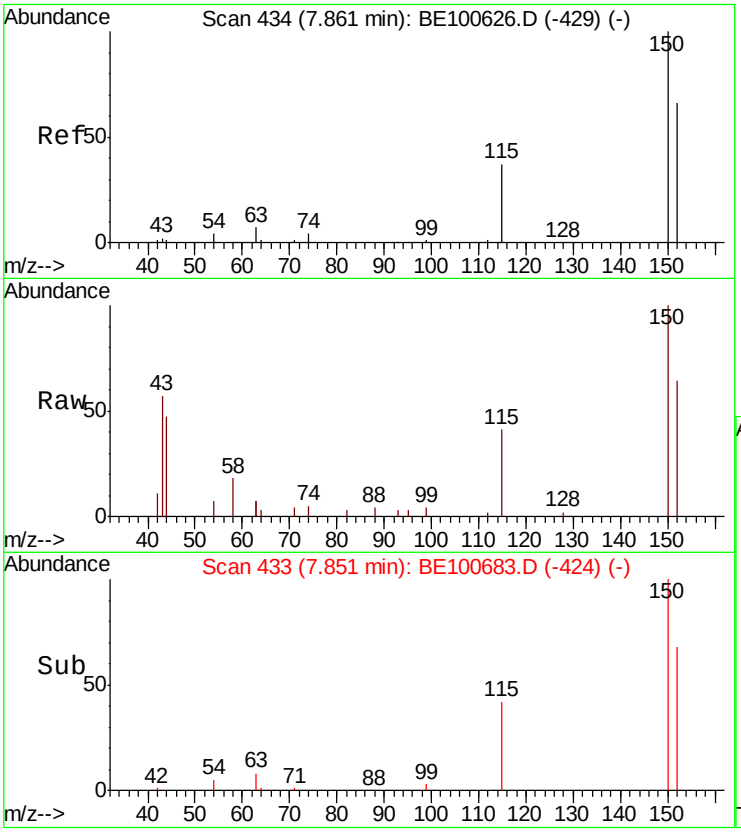
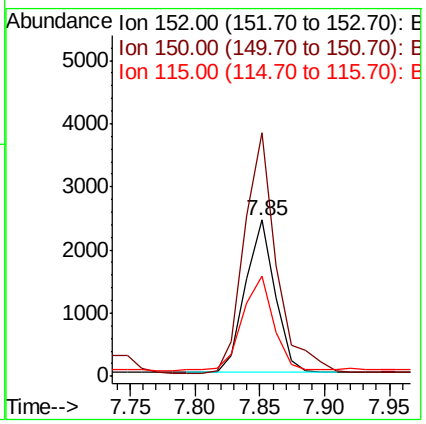




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:152 Resp: 3842

Ion	Ratio	Lower	Upper
152	100		
150	156.0	123.3	184.9
115	64.5	51.9	77.9



Instrument :
BNA_E
ClientSampleId :
GW809-8.0-13.0-102419MSD

Manual Integrations APPROVED
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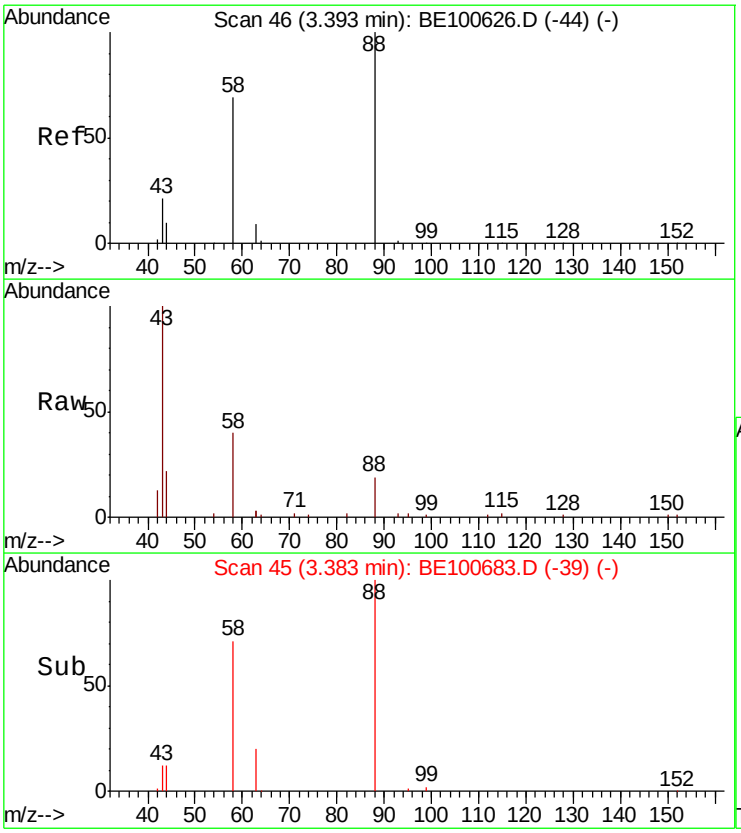
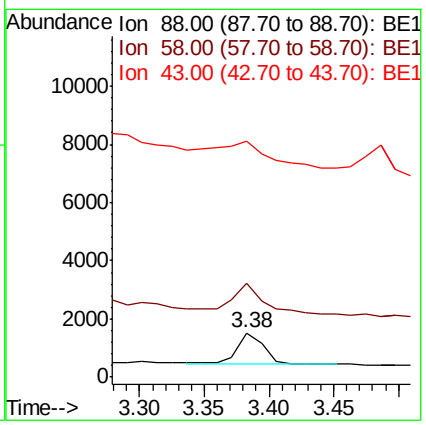
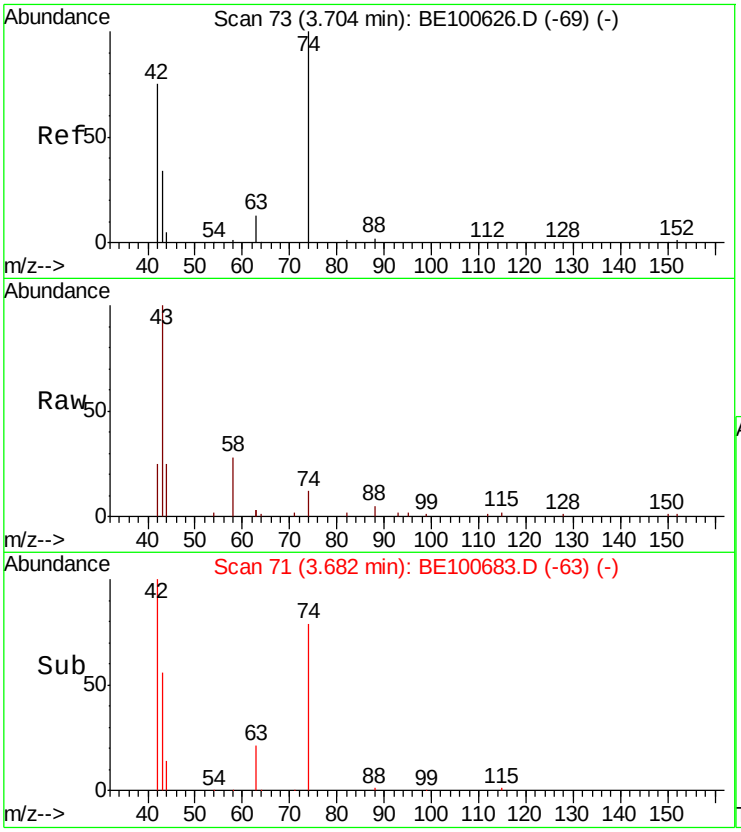


#2
1,4-Dioxane
Concen: 0.225 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion: 88 Resp: 1545

Ion	Ratio	Lower	Upper
88	100		
58	108.5	59.8	89.6#
43	0.0	24.6	36.8#

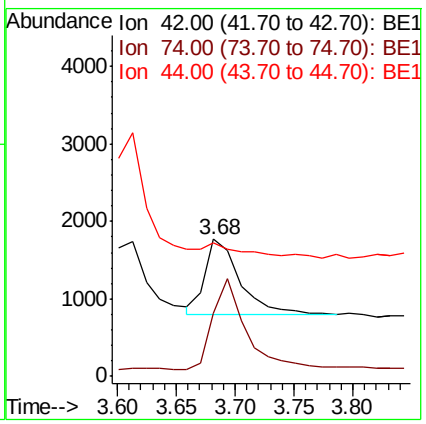




#3
n-Nitrosodimethylamine
Concen: 0.269 ng
RT: 3.68 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion: 42 Resp: 1949

Ion	Ratio	Lower	Upper
42	100		
74	117.4	97.2	145.8
44	0.0	16.6	24.8#



Instrument :
BNA_E
ClientSampleId :
GW809-8.0-13.0-102419MSD

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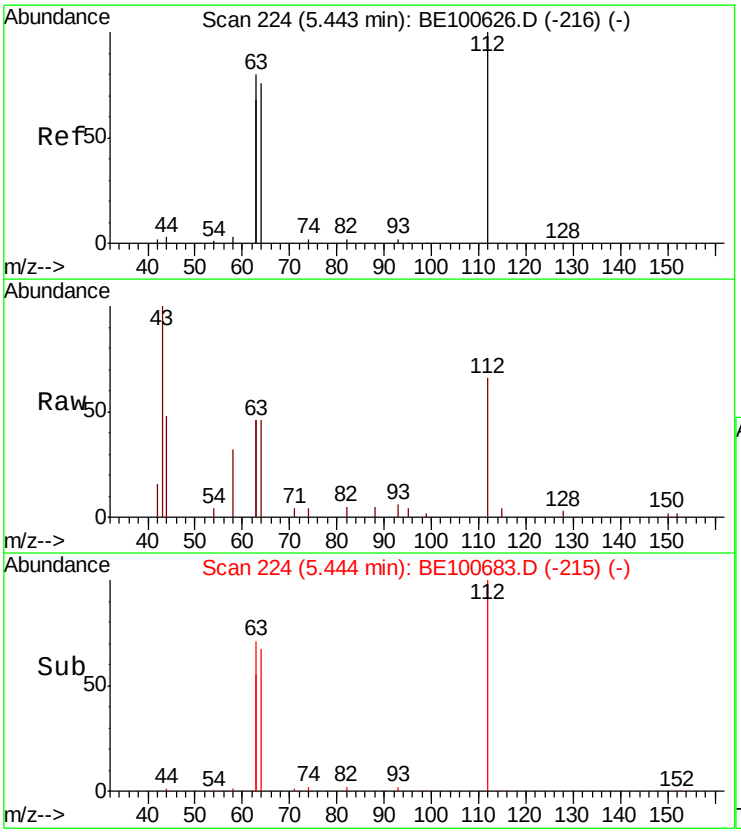
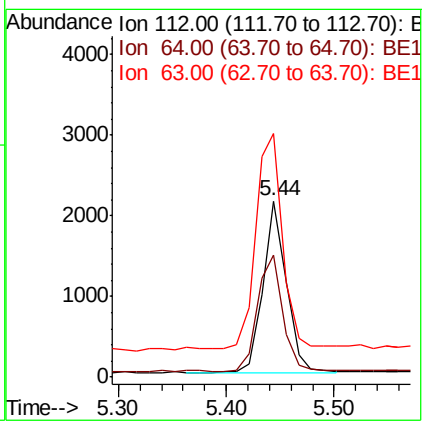
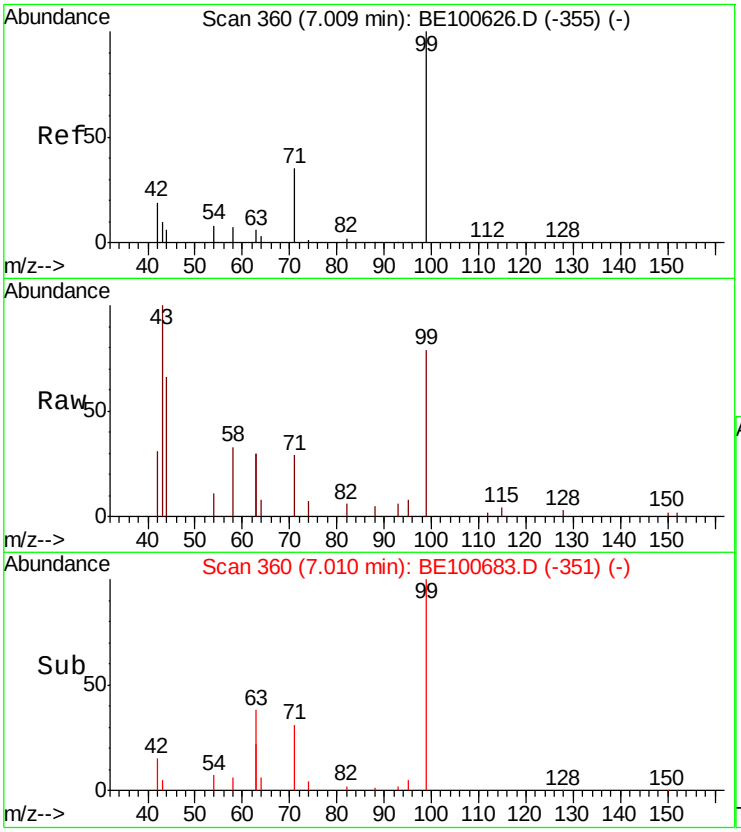


#4
2-Fluorophenol
Concen: 0.269 ng
RT: 5.44 min Scan# 224
Delta R.T. 0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:112 Resp: 3186

Ion	Ratio	Lower	Upper
112	100		
64	73.3	55.4	83.2
63	143.9	114.2	171.4

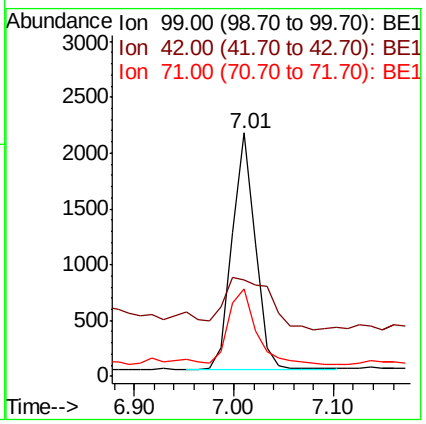




#5
Phenol-d6
Concen: 0.206 ng
RT: 7.01 min Scan# 360
Delta R.T. 0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion: 99 Resp: 3440

Ion	Ratio	Lower	Upper
99	100		
42	43.4	17.7	26.5#
71	37.2	27.4	41.0



Instrument :
BNA_E
ClientSampleId :
GW809-8.0-13.0-102419MSD

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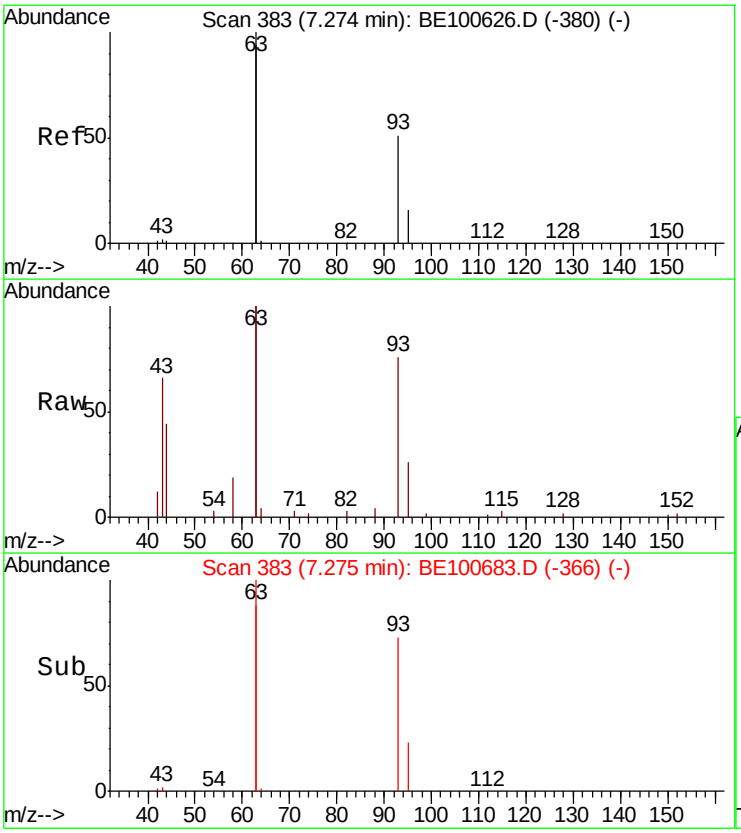
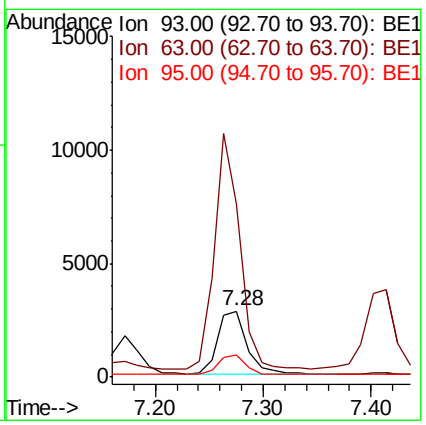
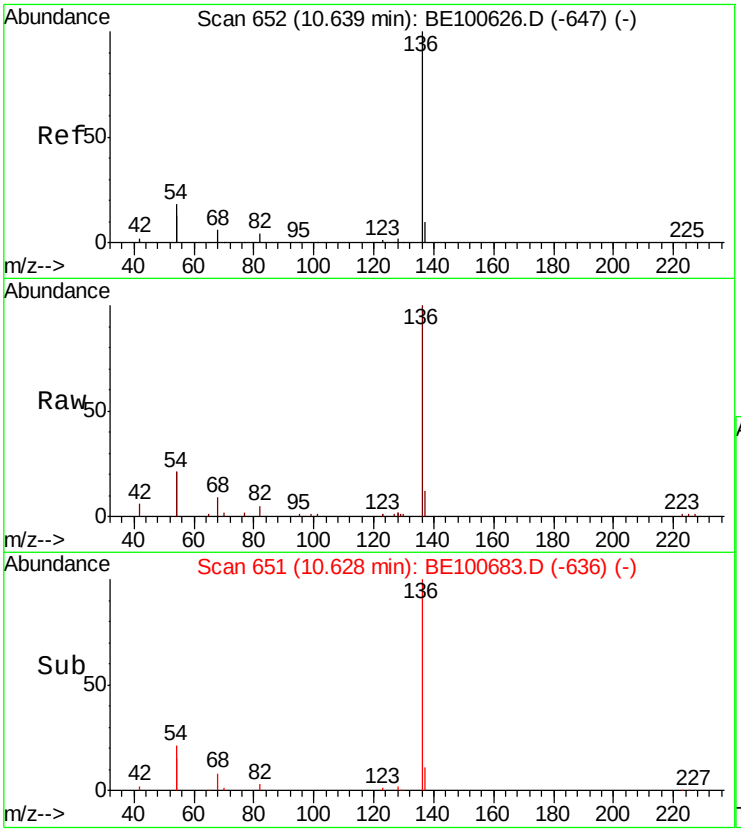


#6
bis(2-Chloroethyl)ether
Concen: 0.384 ng
RT: 7.28 min Scan# 383
Delta R.T. 0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion: 93 Resp: 5276

Ion	Ratio	Lower	Upper
93	100		
63	318.6	268.8	403.2
95	30.7	25.6	38.4

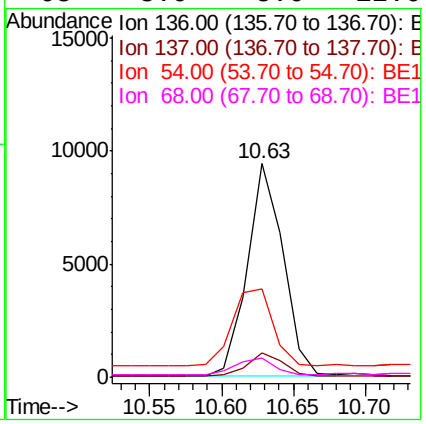




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. -0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:136 Resp: 16250

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	41.4	39.4	59.2
68	8.9	8.0	12.0



Instrument :
BNA_E
ClientSampleId :
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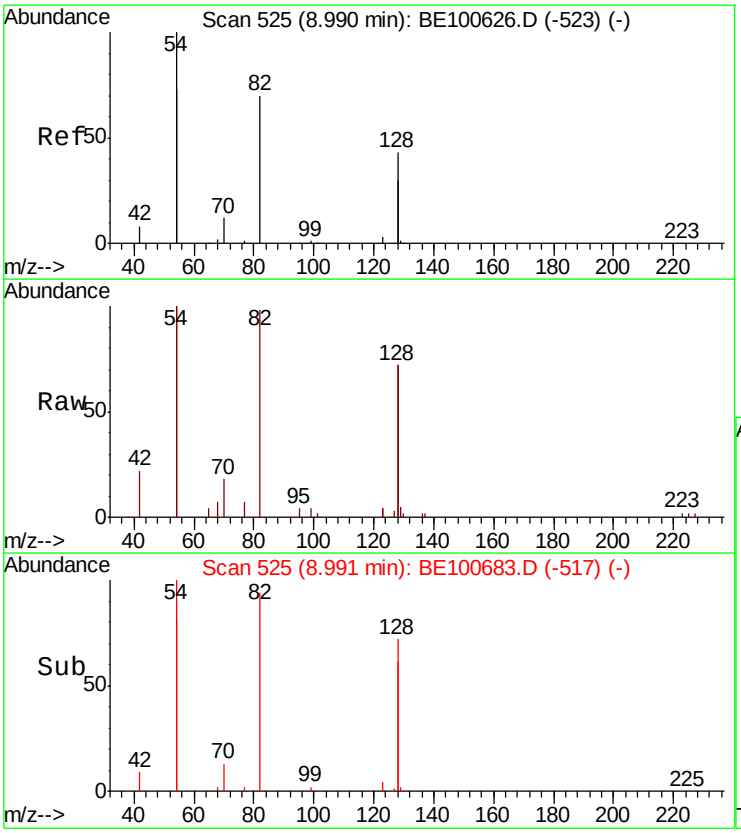
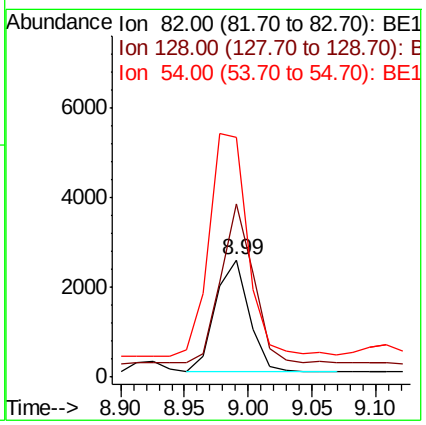
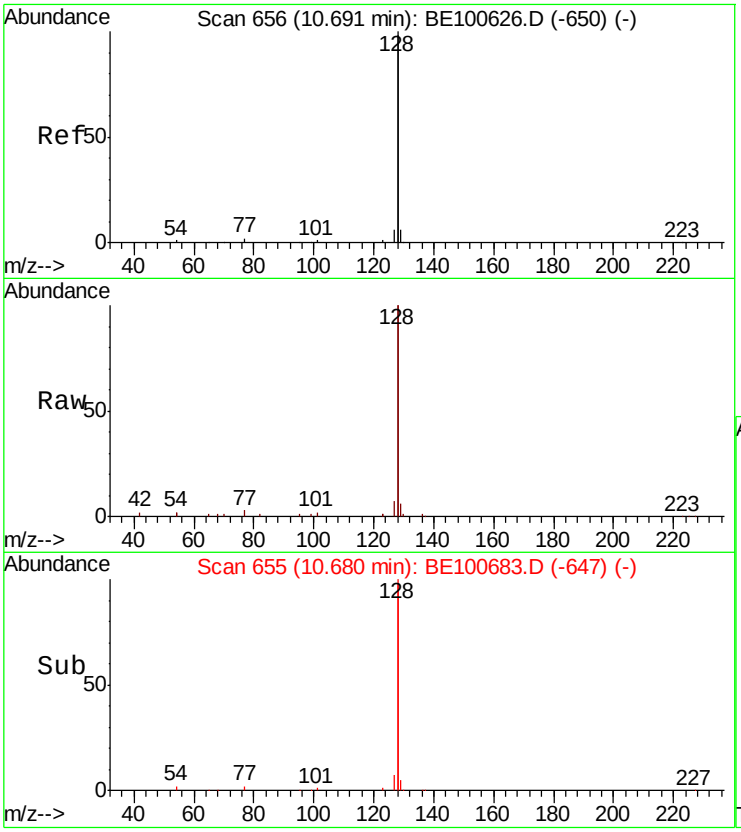


#8
Nitrobenzene-d5
Concen: 0.453 ng
RT: 8.99 min Scan# 525
Delta R.T. -0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion: 82 Resp: 4560

Ion	Ratio	Lower	Upper
82	100		
128	148.1	107.8	161.8
54	204.6	166.1	249.1

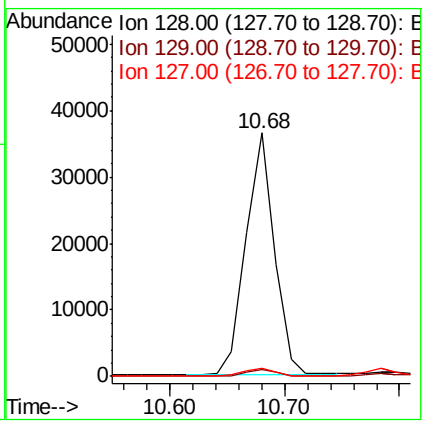




#9
Naphthalene
Concen: 0.366 ng
RT: 10.68 min Scan# 655
Delta R.T. -0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:128 Resp: 62466

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.3	3.5
127	3.4	2.7	4.1



Instrument :
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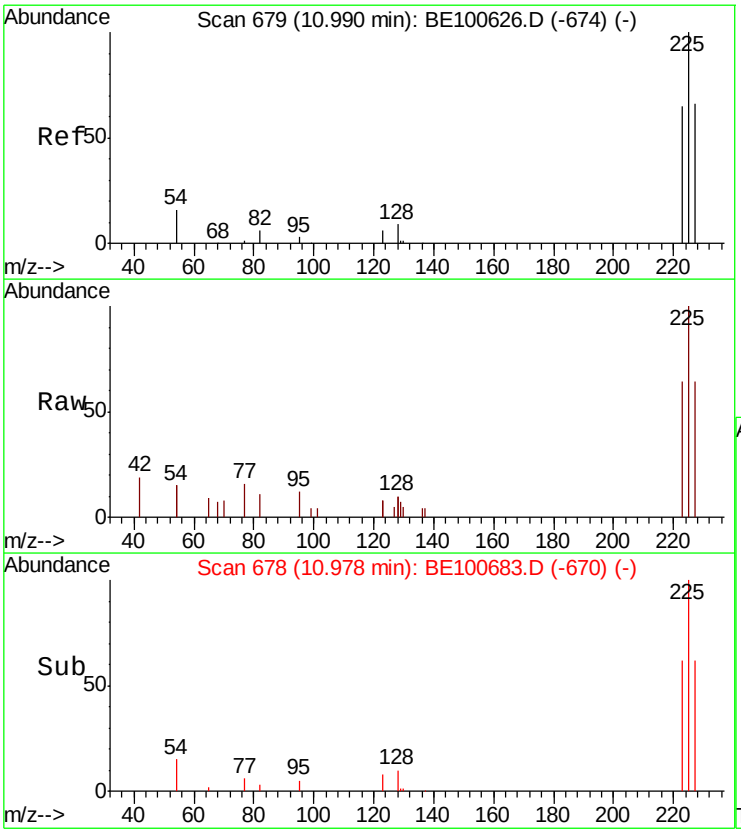
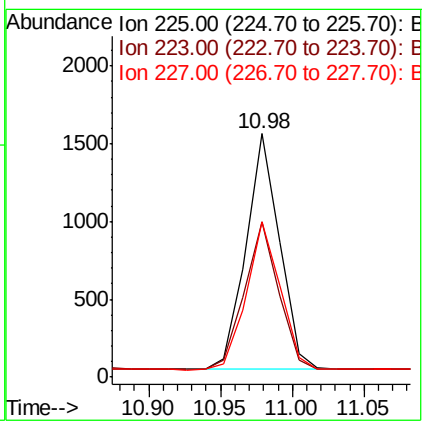
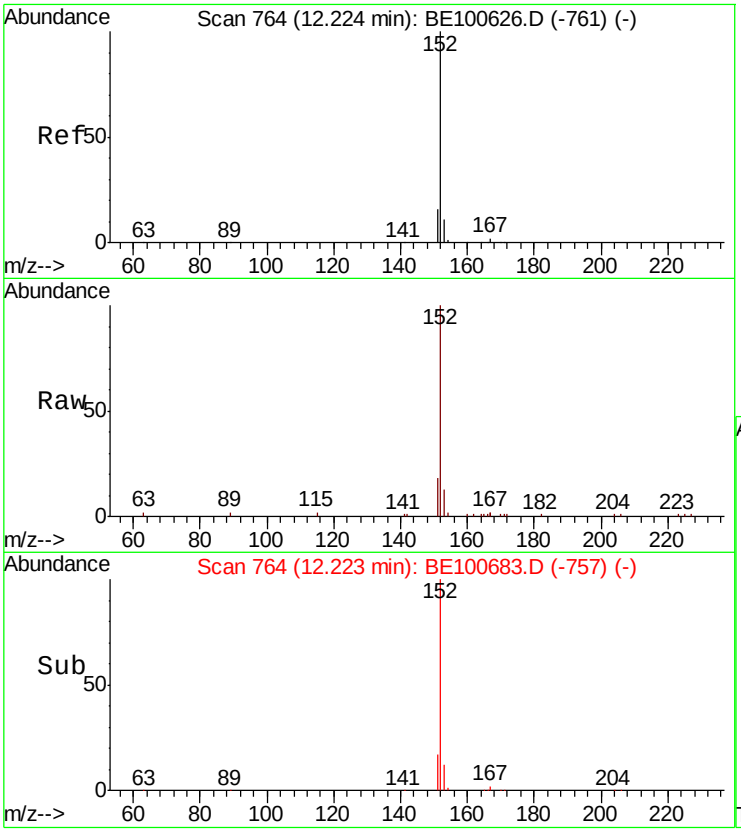


#10
Hexachlorobutadiene
Concen: 0.332 ng
RT: 10.98 min Scan# 678
Delta R.T. -0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:225 Resp: 2466

Ion	Ratio	Lower	Upper
225	100		
223	63.1	48.6	72.8
227	63.1	51.6	77.4

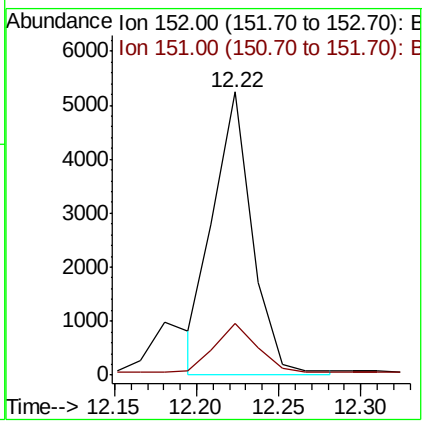




#11
2-Methylnaphthalene-d10
Concen: 0.340 ng m
RT: 12.22 min Scan# 764
Delta R.T. -0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:152 Resp: 8723

Ion	Ratio	Lower	Upper
152	100		
151	18.3	14.7	22.1



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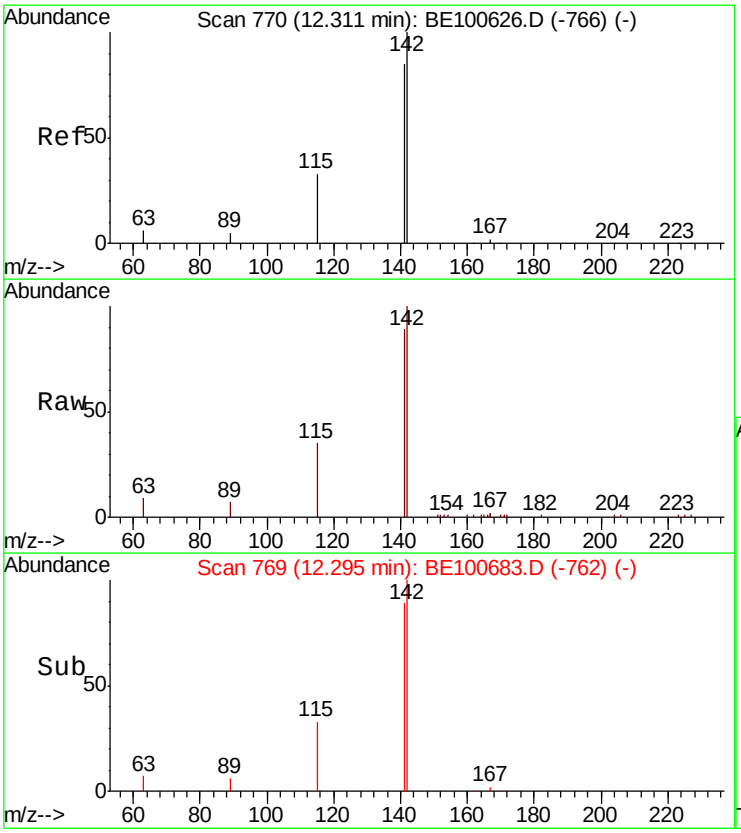
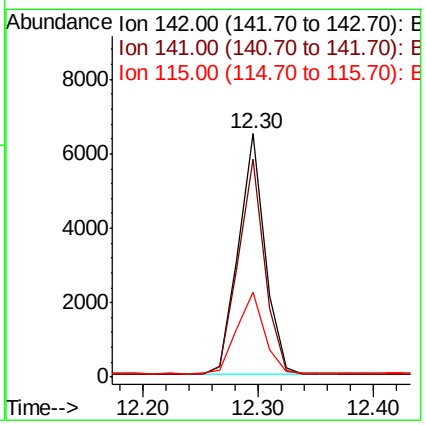
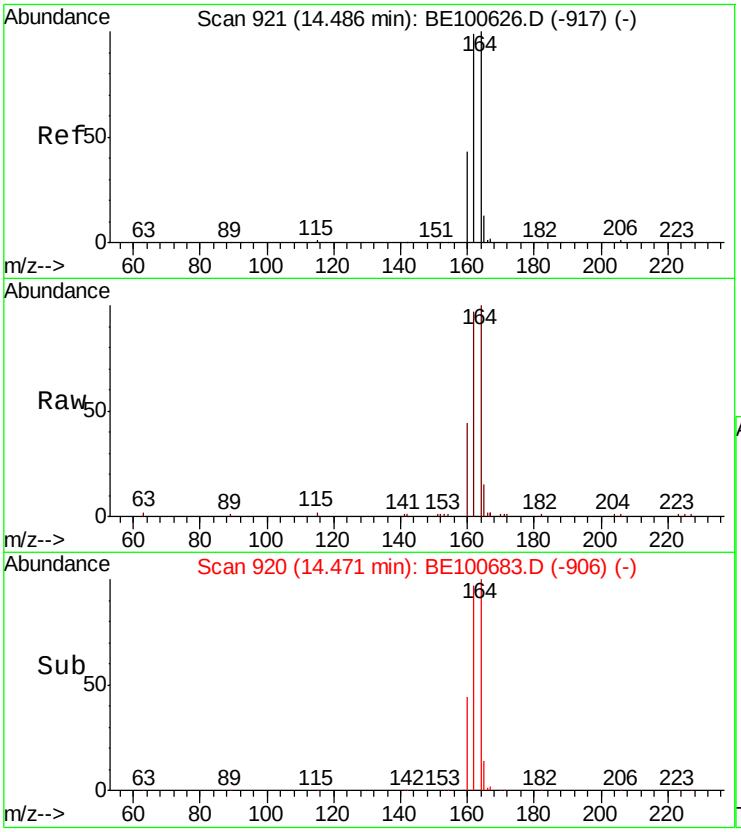


#12
2-Methylnaphthalene
Concen: 0.357 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:142 Resp: 10398

Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.1	105.1
115	34.7	28.3	42.5

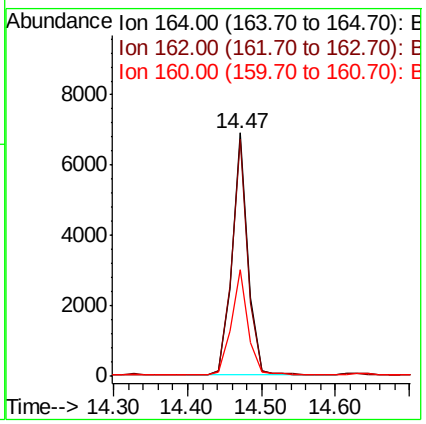




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:164 Resp: 10159

Ion	Ratio	Lower	Upper
164	100		
162	97.3	82.0	123.0
160	44.0	37.5	56.3



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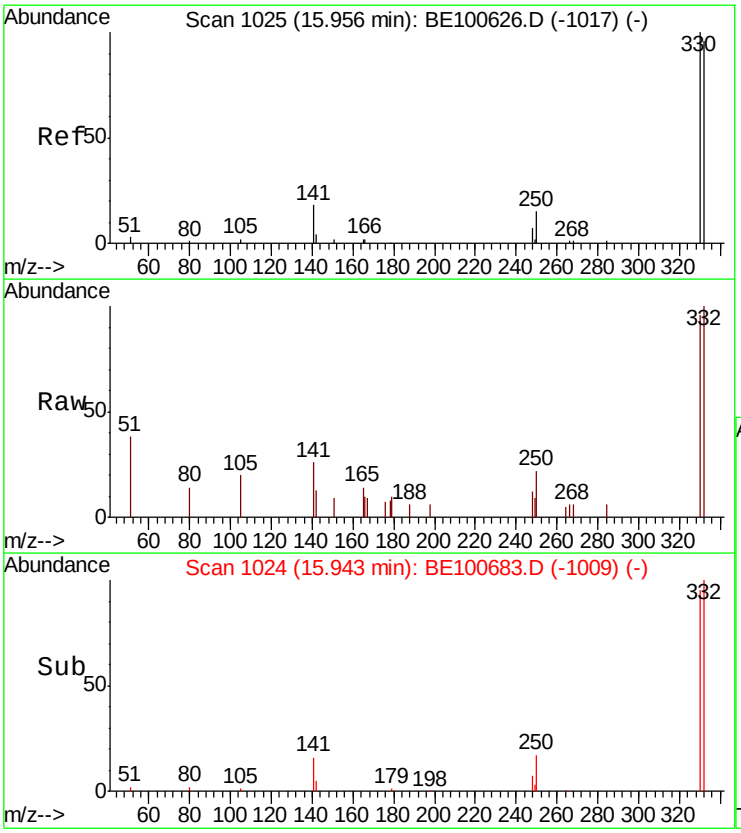
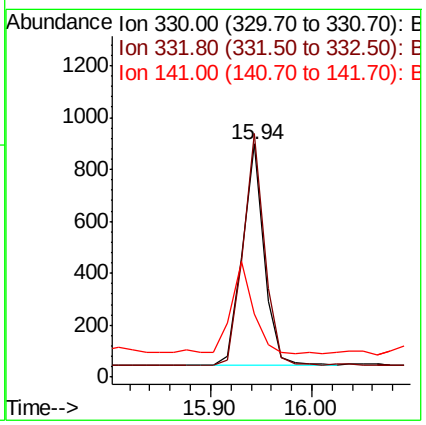
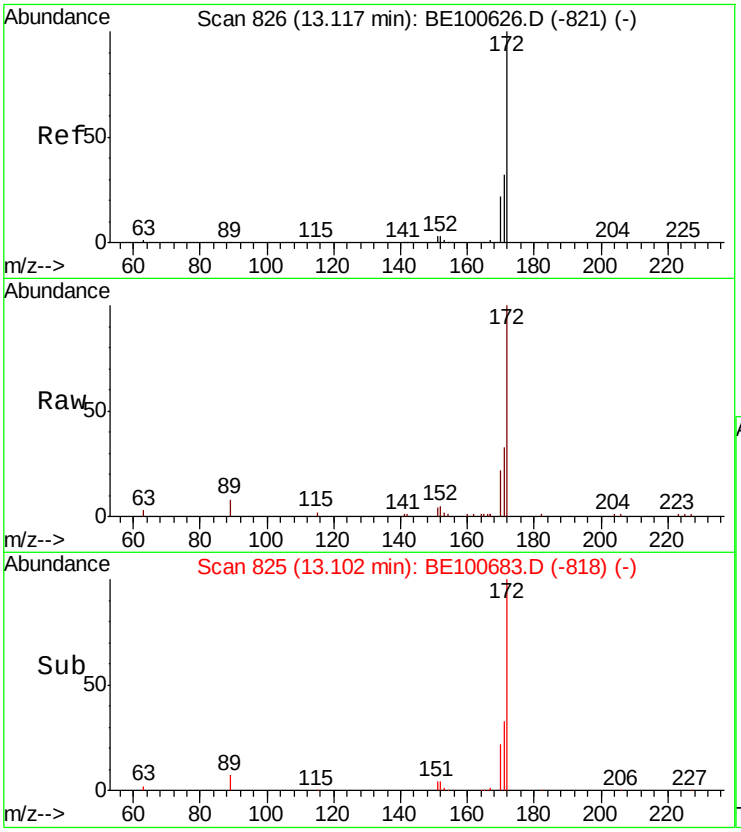


#14
2,4,6-Tribromophenol
Concen: 0.478 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:330 Resp: 1283

Ion	Ratio	Lower	Upper
330	100		
332	103.7	77.9	116.9
141	43.8	33.0	49.6

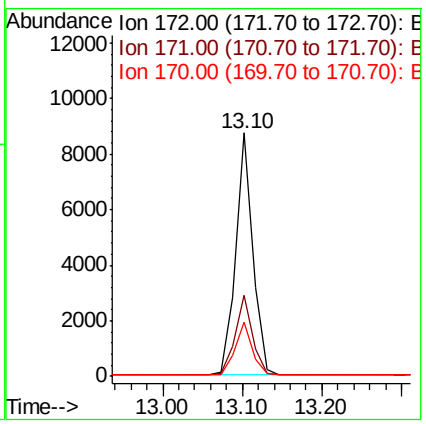




#15
2-Fluorobiphenyl
Concen: 0.352 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:172 Resp: 13018

Ion	Ratio	Lower	Upper
172	100		
171	33.3	26.5	39.7
170	22.5	19.0	28.4



Instrument :
BNA_E
ClientSampleId :
GW809-8.0-13.0-102419MSD

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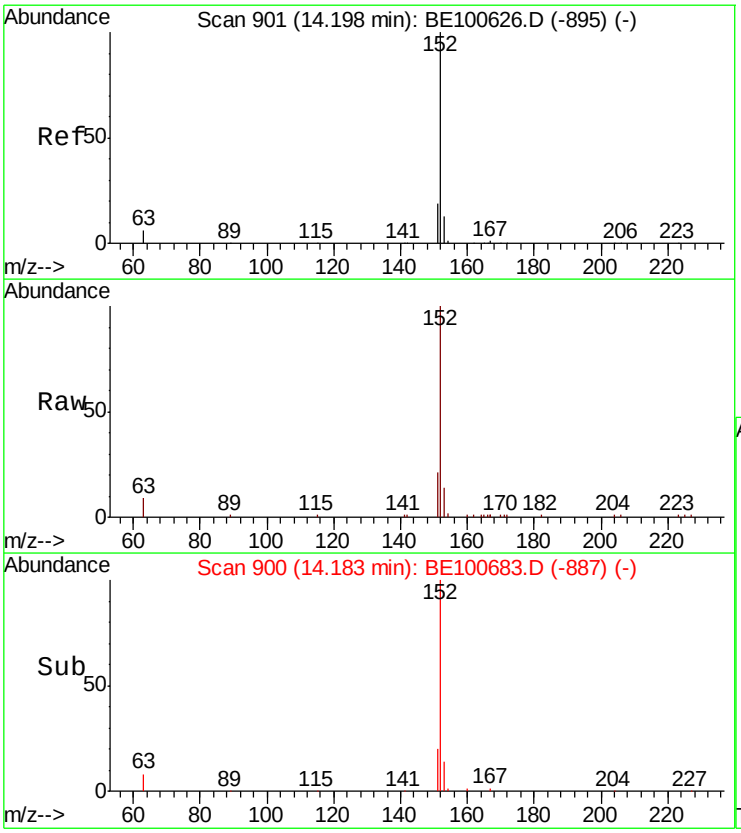
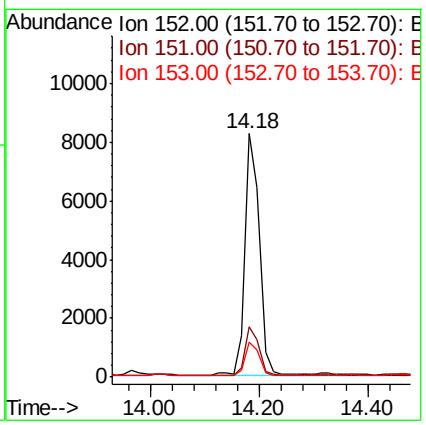
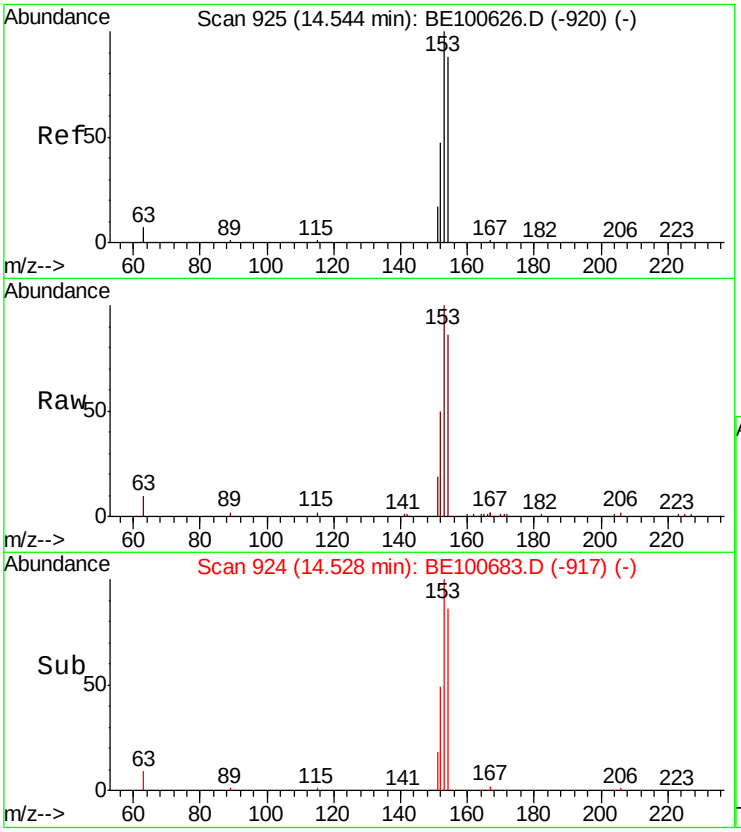


#16
Acenaphthylene
Concen: 0.343 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.02 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:152 Resp: 14974

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.2	22.8
153	13.5	10.3	15.5

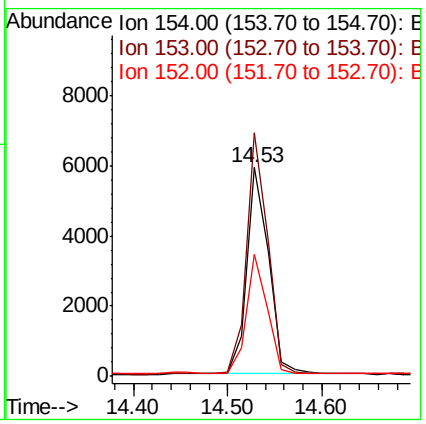




#17
Acenaphthene
Concen: 0.337 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:154 Resp: 9516

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.4	134.2
152	54.8	44.1	66.1



Instrument :
BNA_E
ClientSampleId :
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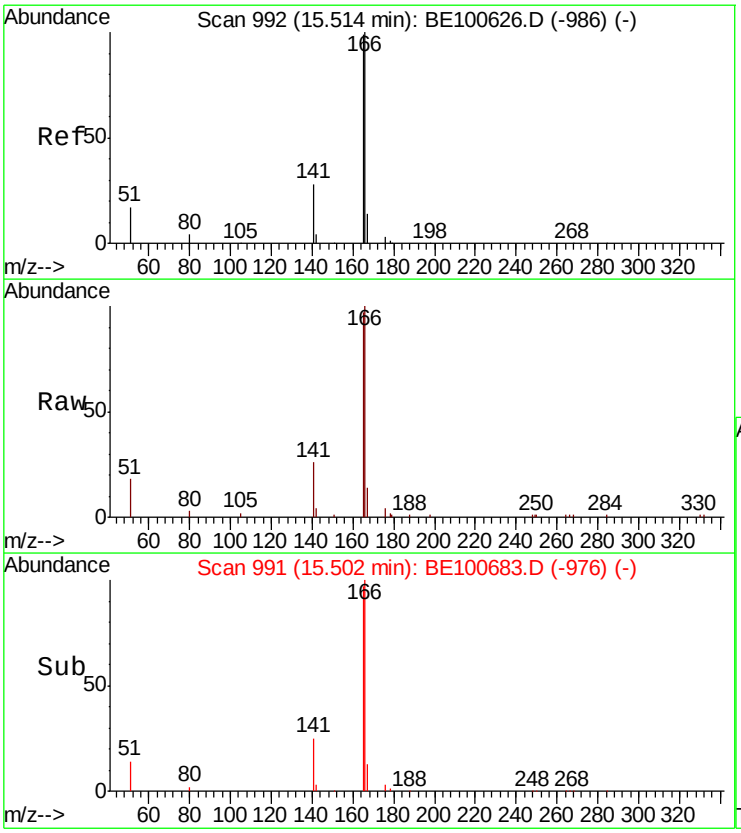
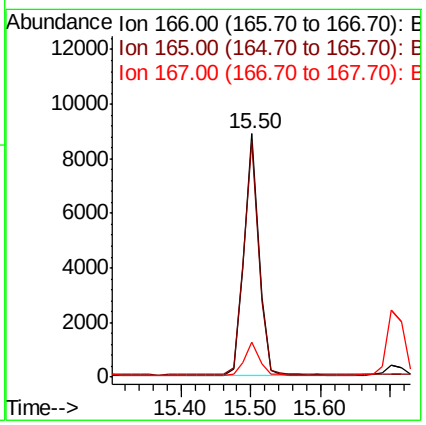
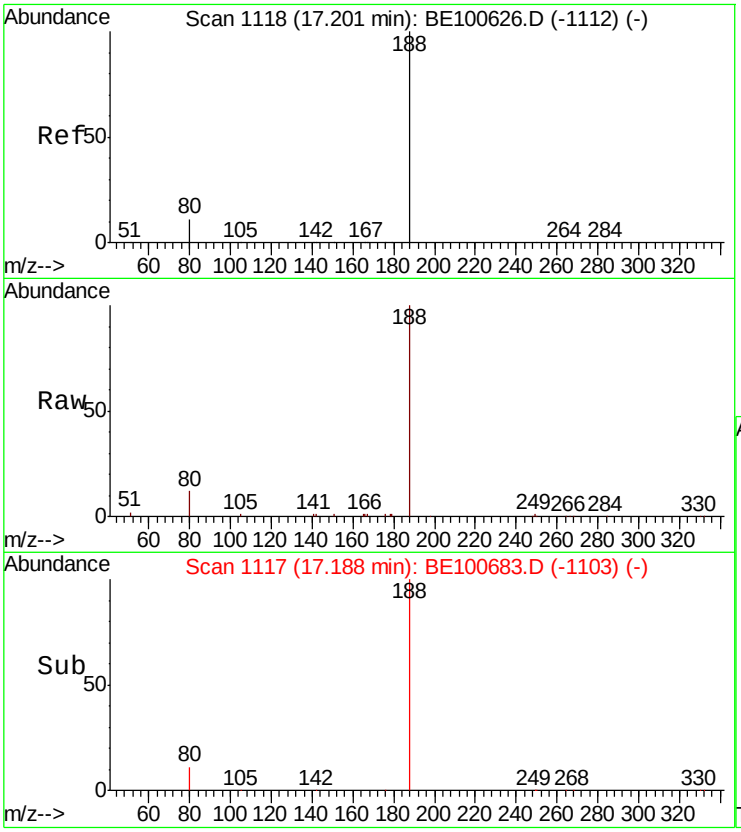


#18
Fluorene
Concen: 0.348 ng
RT: 15.50 min Scan# 991
Delta R.T. 0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:166 Resp: 13058

Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.6	117.8
167	13.3	10.9	16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:188 Resp: 23217

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.1	5.4	8.0#

Instrument :
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ClientSampleId :
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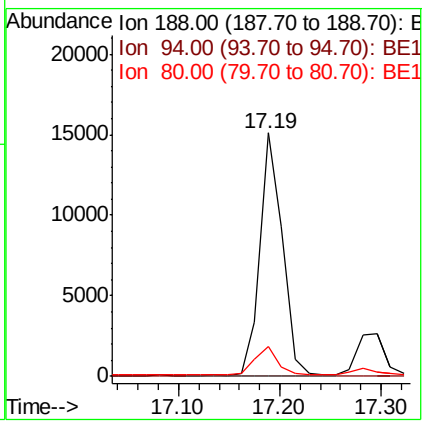
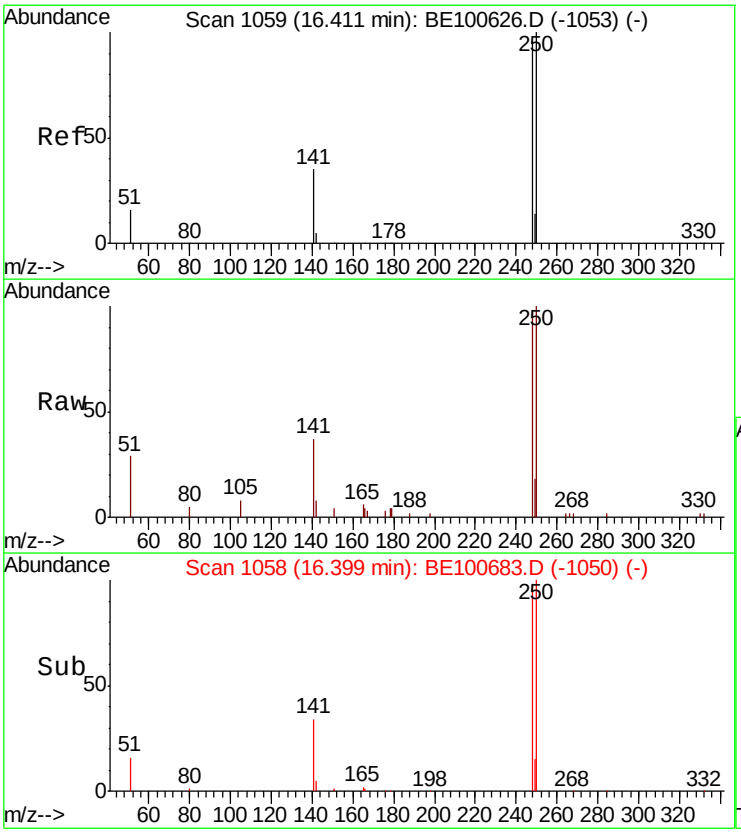
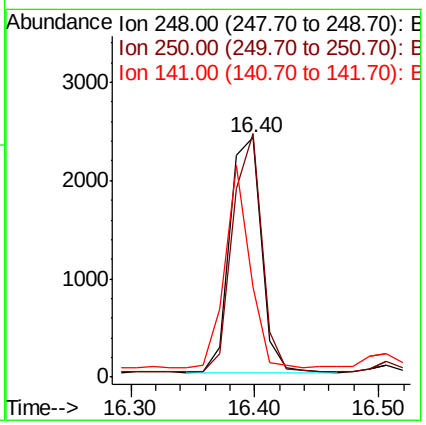


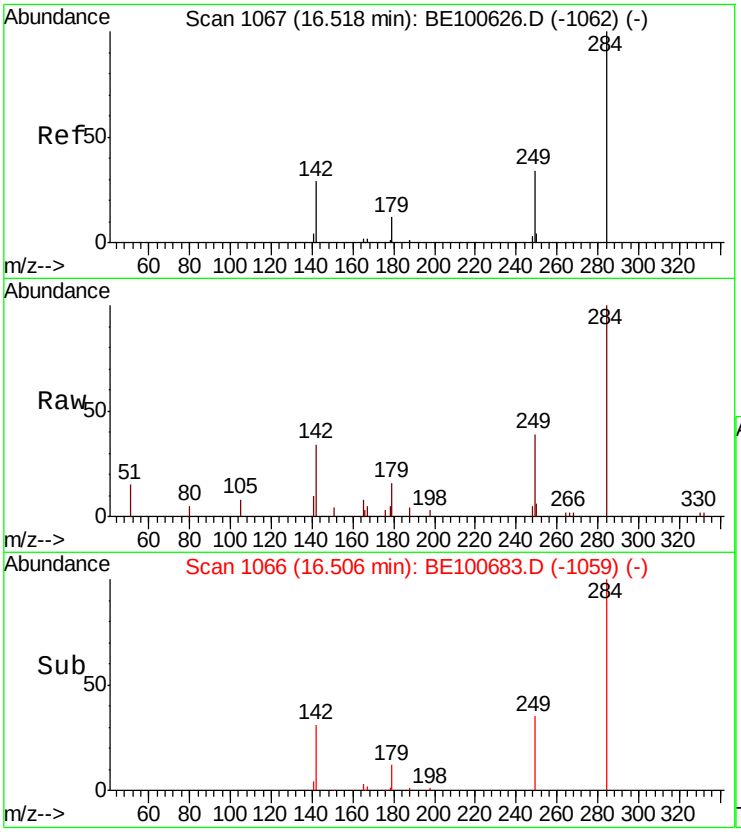


#20
4-Bromophenyl-phenylether
Concen: 0.357 ng
RT: 16.40 min Scan# 1058
Delta R.T. 0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:248 Resp: 4216

Ion	Ratio	Lower	Upper
248	100		
250	101.7	76.3	114.5
141	37.7	37.3	55.9

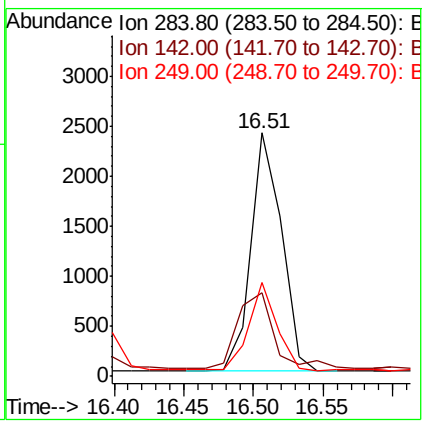




#21
Hexachlorobenzene
Concen: 0.324 ng
RT: 16.51 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:284 Resp: 3648

Ion	Ratio	Lower	Upper
284	100		
142	37.4	28.6	42.8
249	33.8	26.3	39.5



Instrument :
BNA_E
ClientSampleId :
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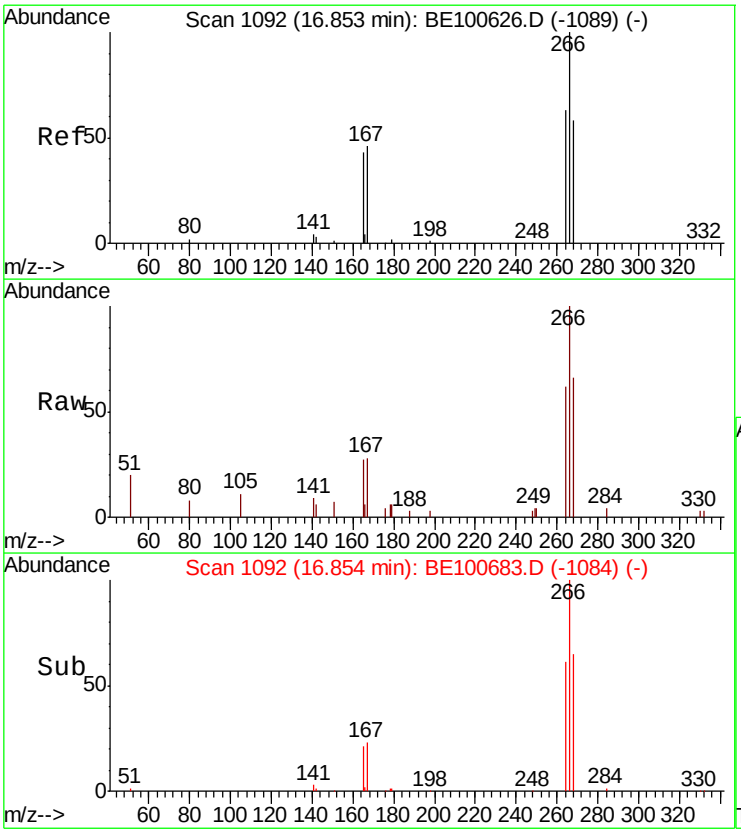
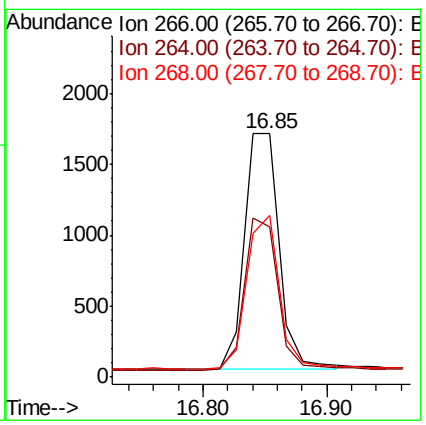
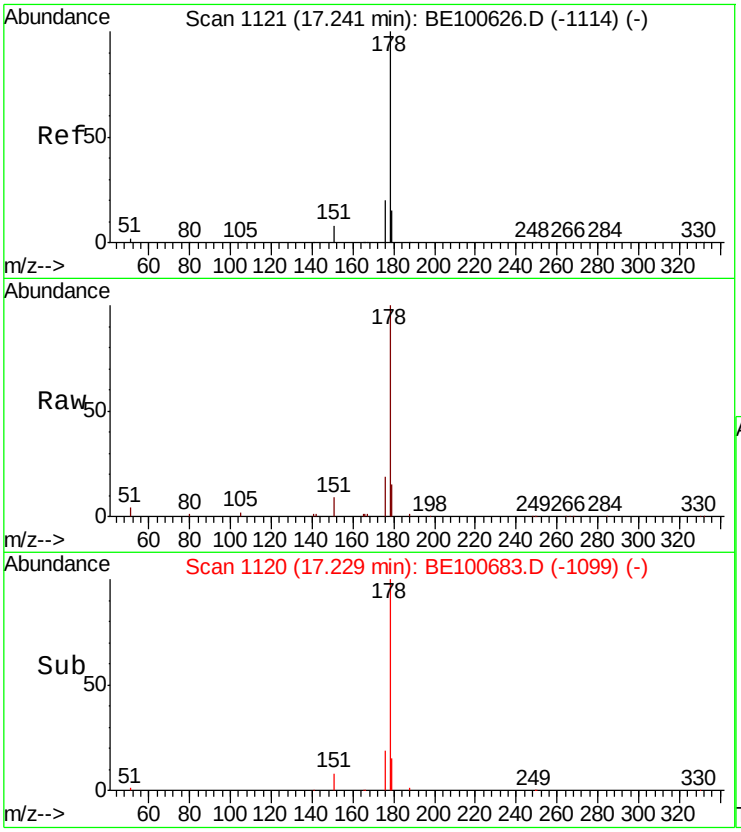


#22
Pentachlorophenol
Concen: 0.895 ng
RT: 16.85 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:266 Resp: 3247

Ion	Ratio	Lower	Upper
266	100		
264	61.7	52.2	78.4
268	66.4	53.1	79.7

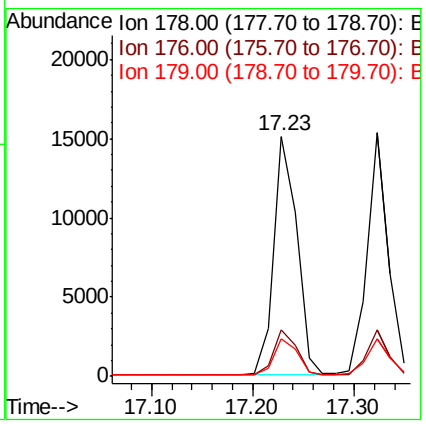




#23
Phenanthrene
Concen: 0.373 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:178 Resp: 23819

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.3	12.1	18.1



Instrument :
BNA_E
ClientSampleId :
GW809-8.0-13.0-102419MSD

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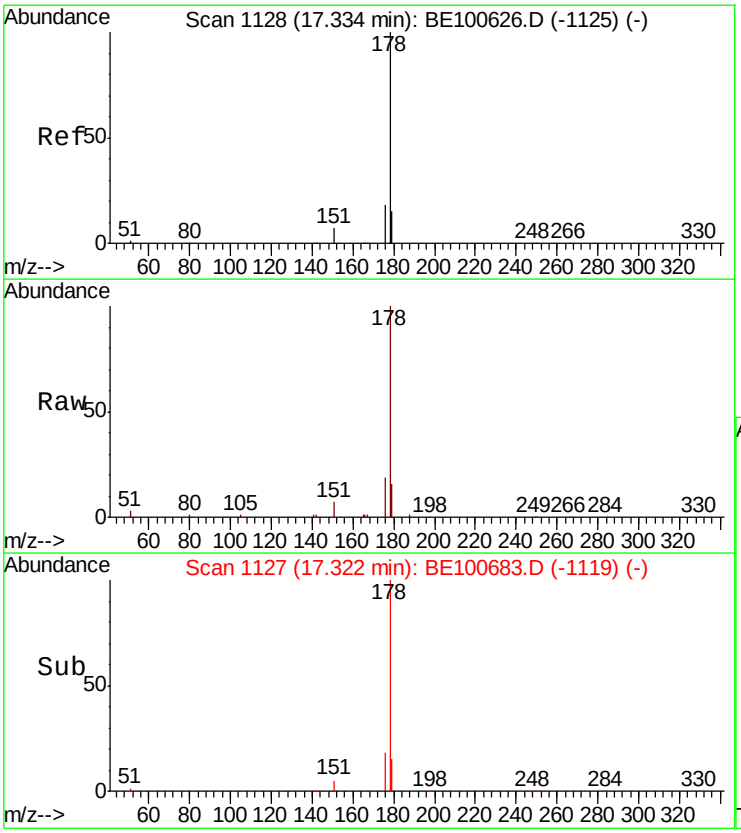
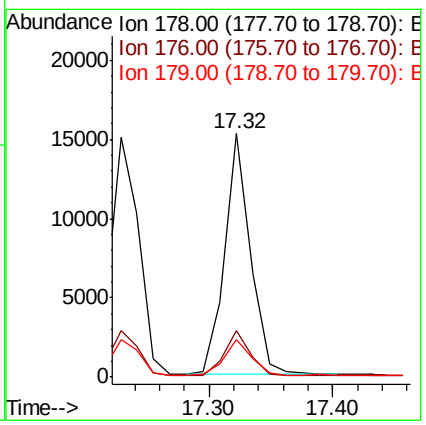
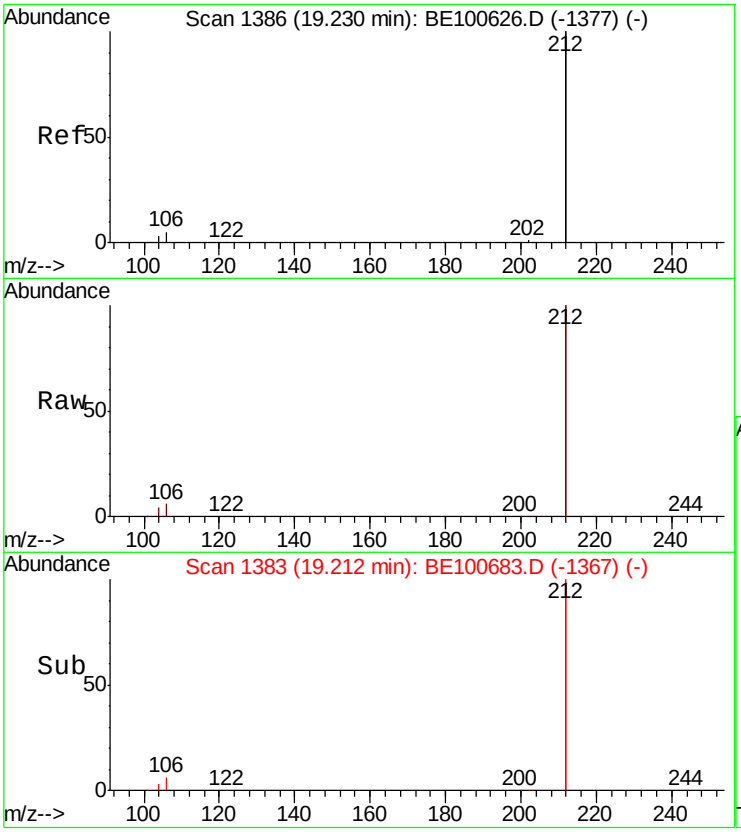


#24
Anthracene
Concen: 0.371 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:178 Resp: 21999

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.4	12.5	18.7

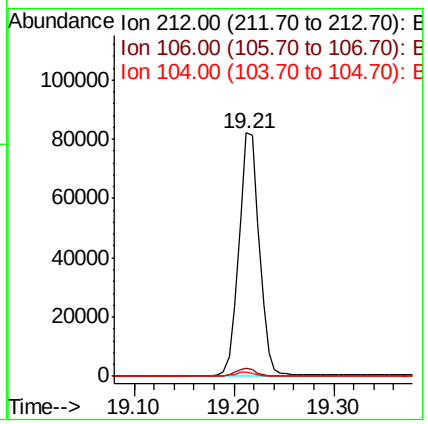




#25
Fluoranthene-d10
Concen: 0.385 ng
RT: 19.21 min Scan# 1383
Delta R.T. -0.01 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:212 Resp: 115330

Ion	Ratio	Lower	Upper
212	100		
106	3.0	2.3	3.5
104	1.7	1.3	1.9



Instrument :
BNA_E
ClientSampleId :
GW809-8.0-13.0-102419MSD

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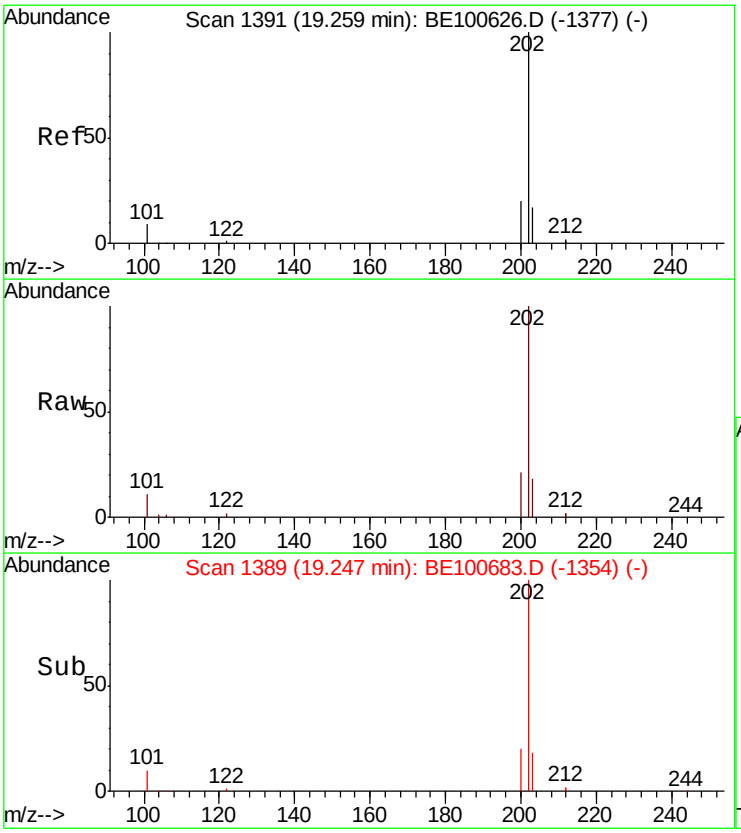
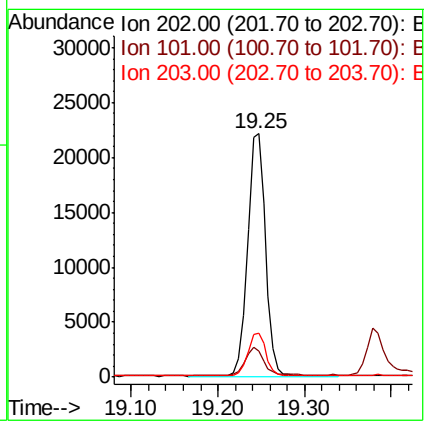
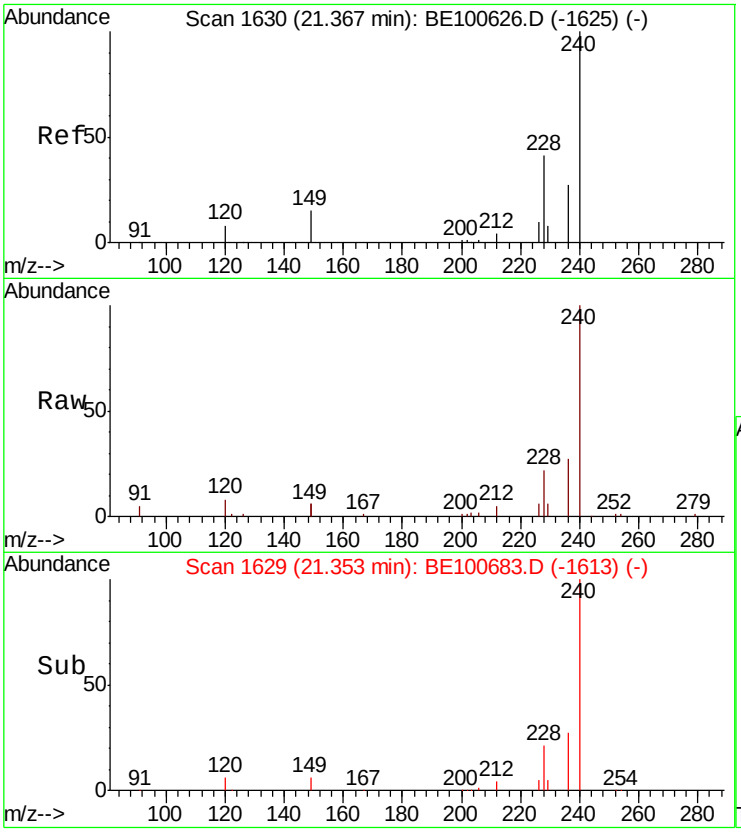


#26
Fluoranthene
Concen: 0.380 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:202 Resp: 31669

Ion	Ratio	Lower	Upper
202	100		
101	12.7	8.5	12.7
203	17.7	13.8	20.8

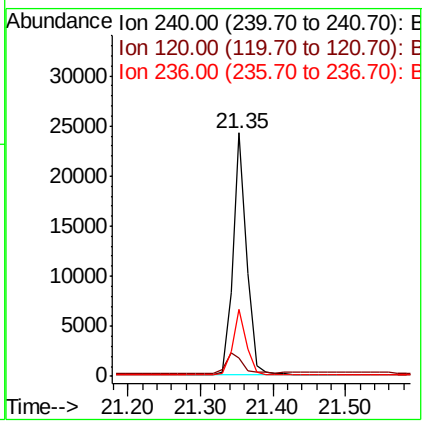




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:240 Resp: 32539

Ion	Ratio	Lower	Upper
240	100		
120	7.7	7.6	11.4
236	27.3	22.1	33.1



Instrument :
BNA_E
ClientSampleId :
GW809-8.0-13.0-102419MSD

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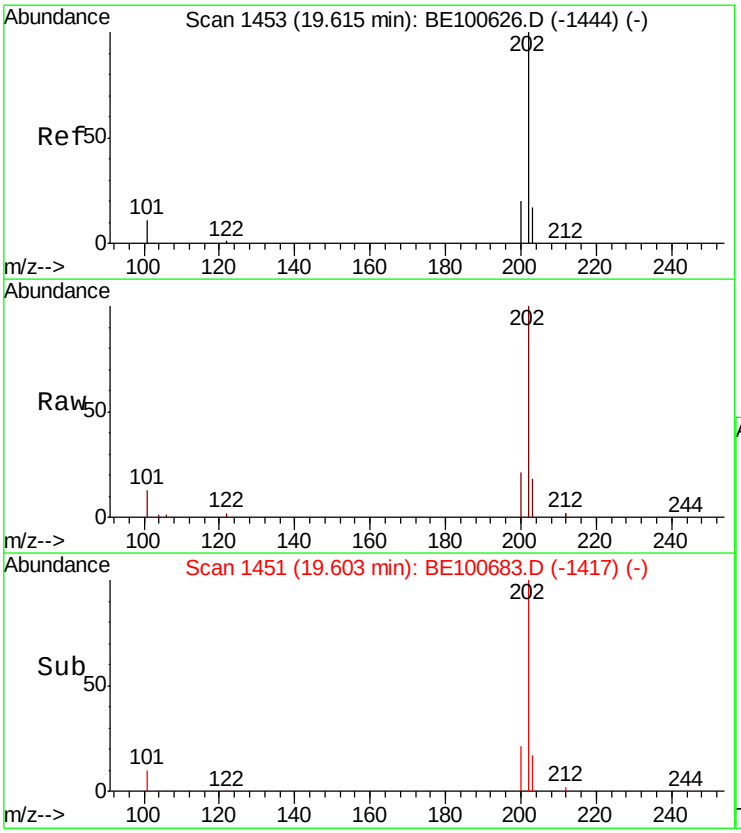
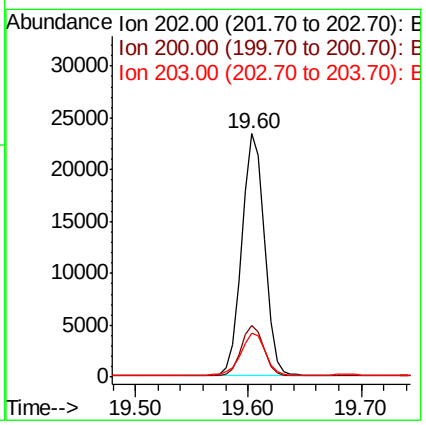
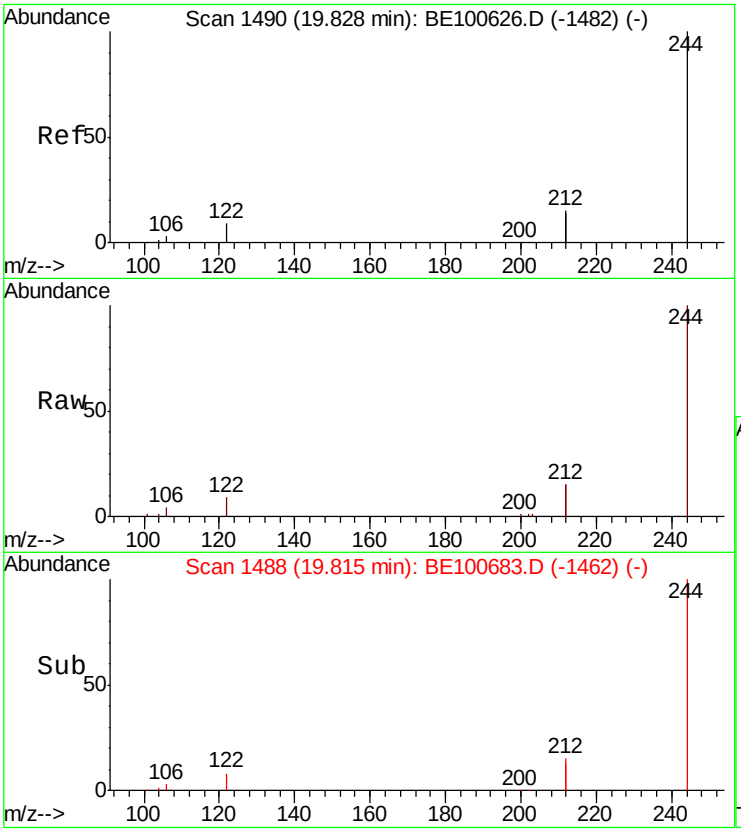


#28
Pyrene
Concen: 0.366 ng
RT: 19.60 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:202 Resp: 33242

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	18.3	14.0	21.0

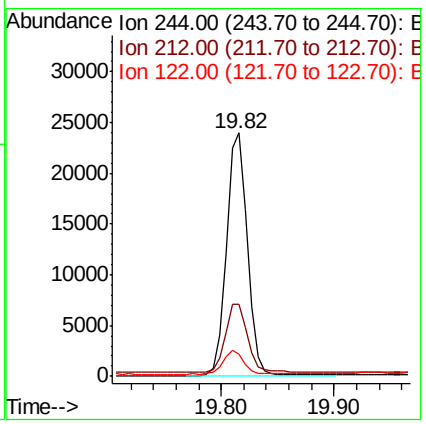




#29
Terphenyl-d14
Concen: 0.434 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:244 Resp: 30860

Ion	Ratio	Lower	Upper
244	100		
212	29.7	23.7	35.5
122	8.9	7.9	11.9



Instrument :
BNA_E
ClientSampleId :
GW809-8.0-13.0-102419MSD

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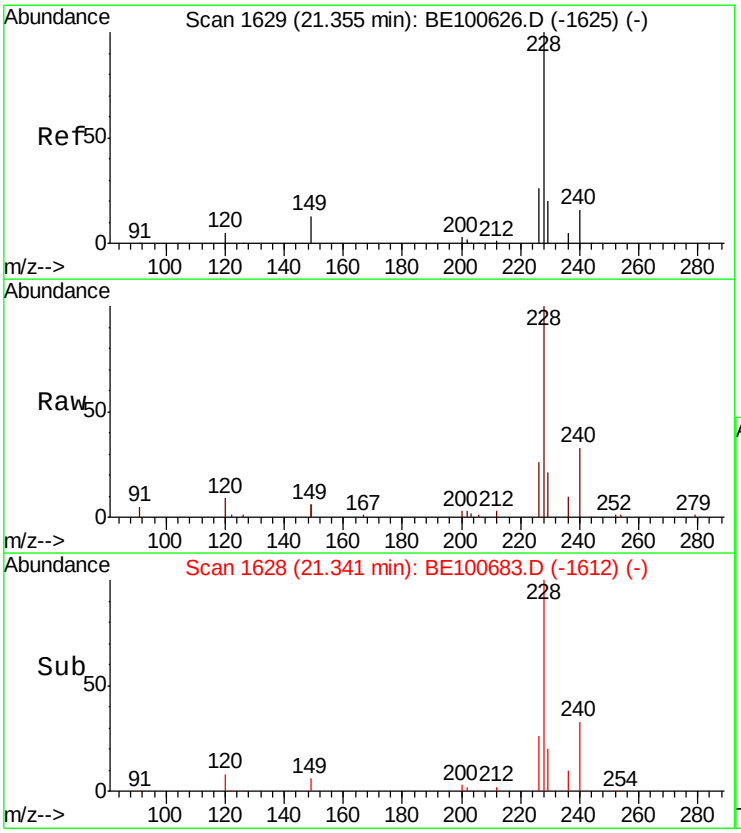
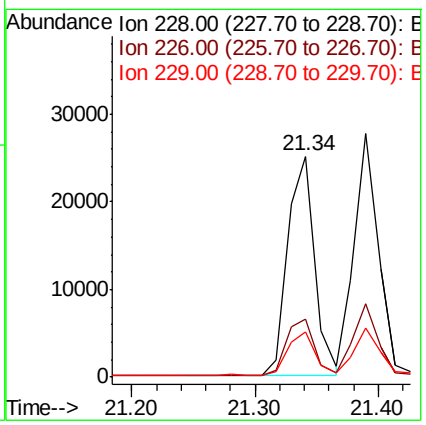
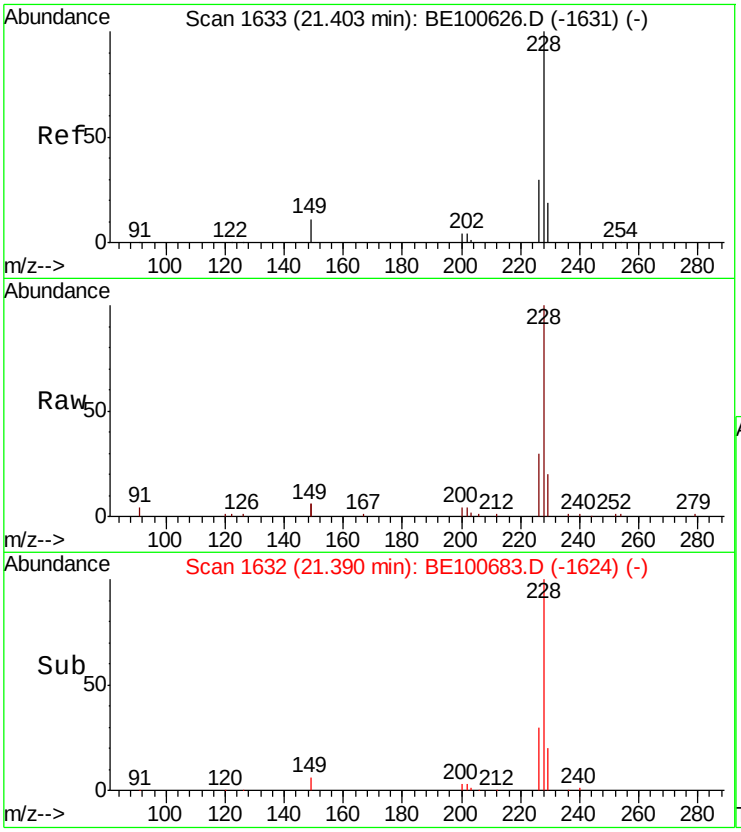


#30
Benzo(a)anthracene
Concen: 0.362 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:228 Resp: 38467

Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.4	32.0
229	20.8	16.0	24.0

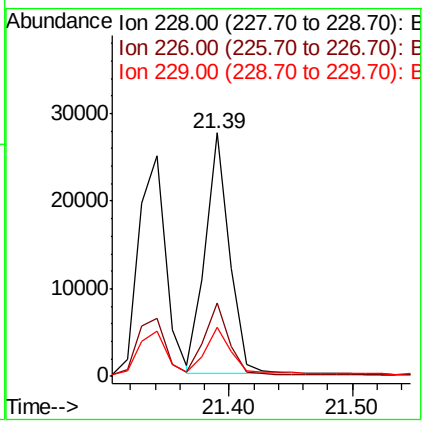




#31
Chrysene
Concen: 0.355 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:228 Resp: 37670

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	20.3	15.8	23.8



Instrument :
BNA_E
ClientSampleId :
GW809-8.0-13.0-102419MSD

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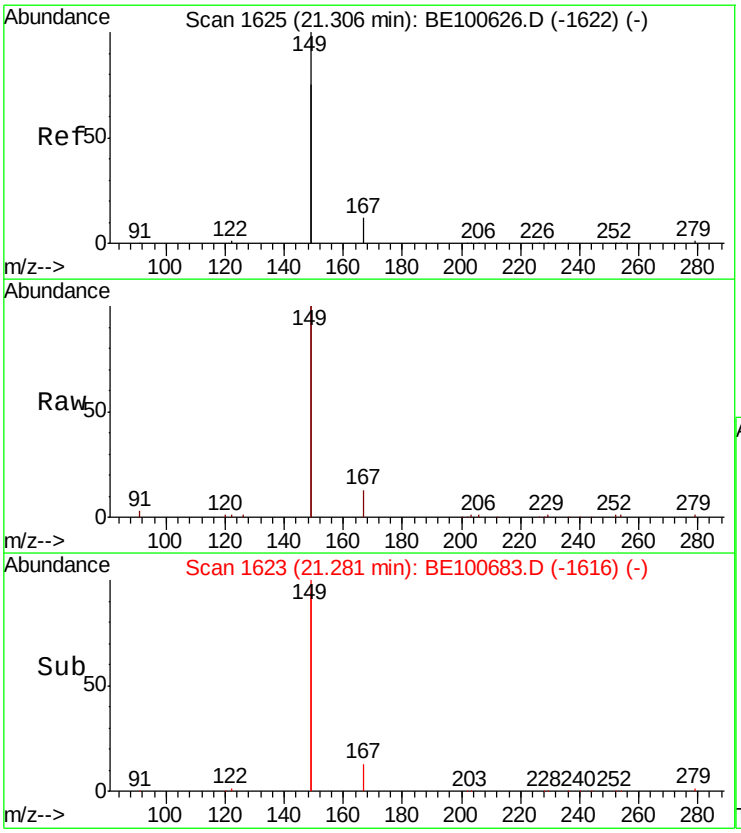
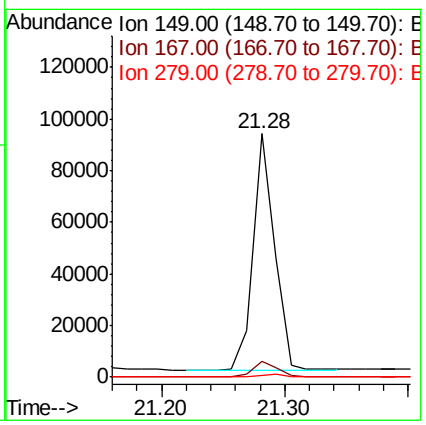
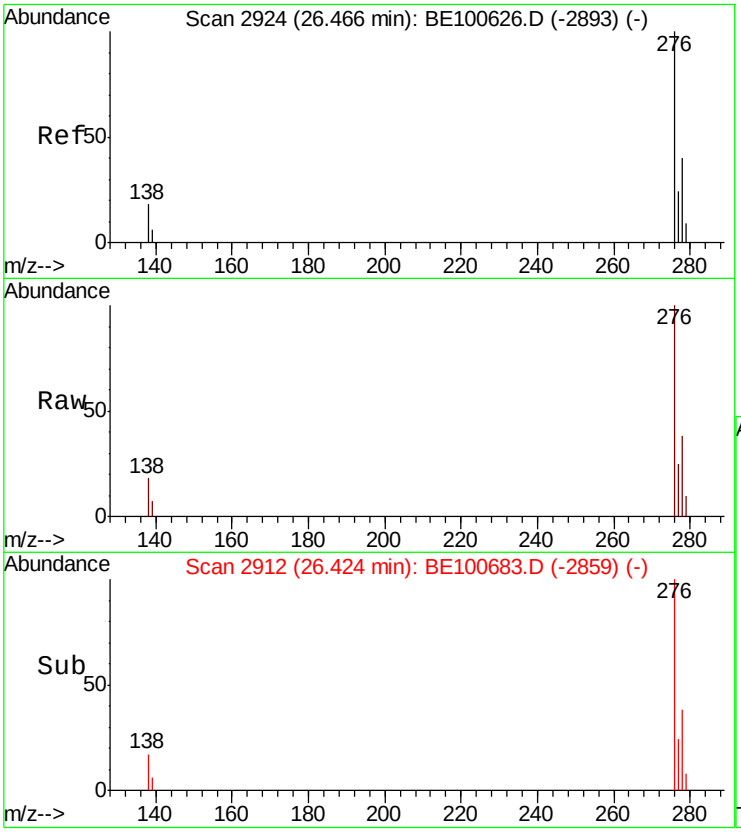


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.506 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:149 Resp: 112254

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.5	8.3
279	1.1	0.9	1.3

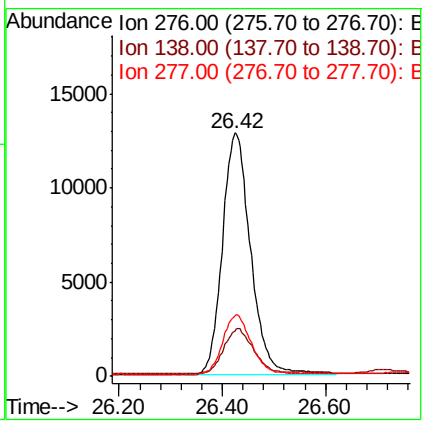




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.374 ng
RT: 26.42 min Scan# 2912
Delta R.T. -0.01 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:276 Resp: 48799

Ion	Ratio	Lower	Upper
276	100		
138	19.3	15.3	22.9
277	24.8	19.4	29.2



Instrument :
BNA_E
ClientSampleId :
GW809-8.0-13.0-102419MSD

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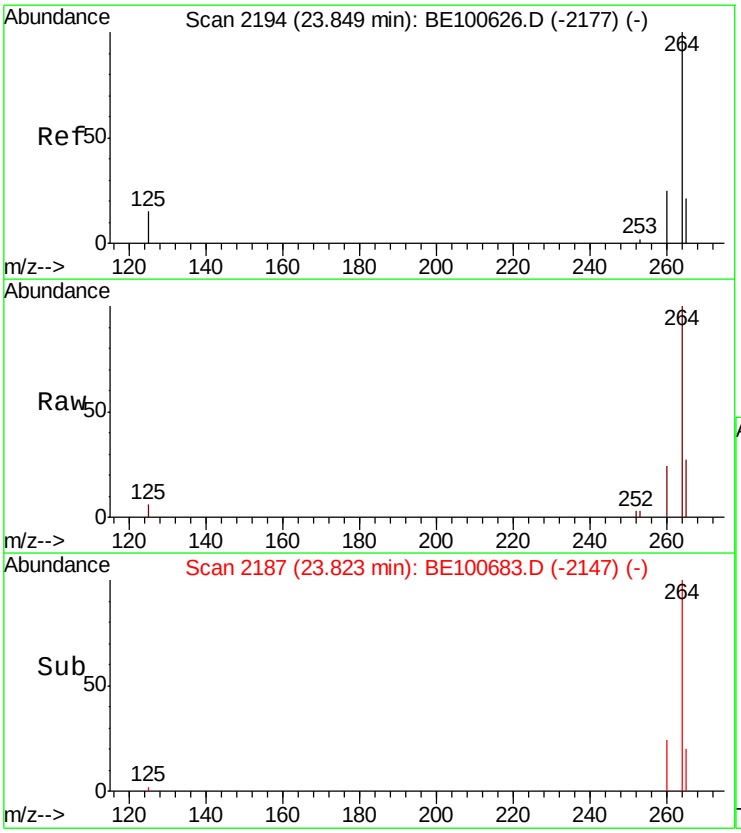
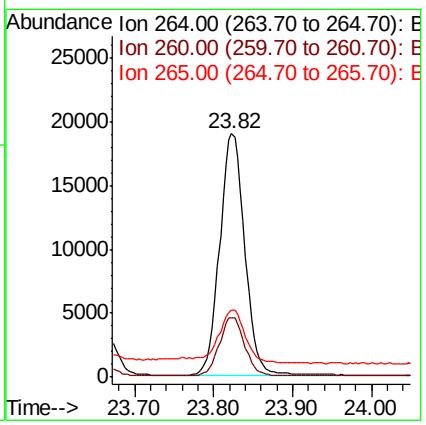
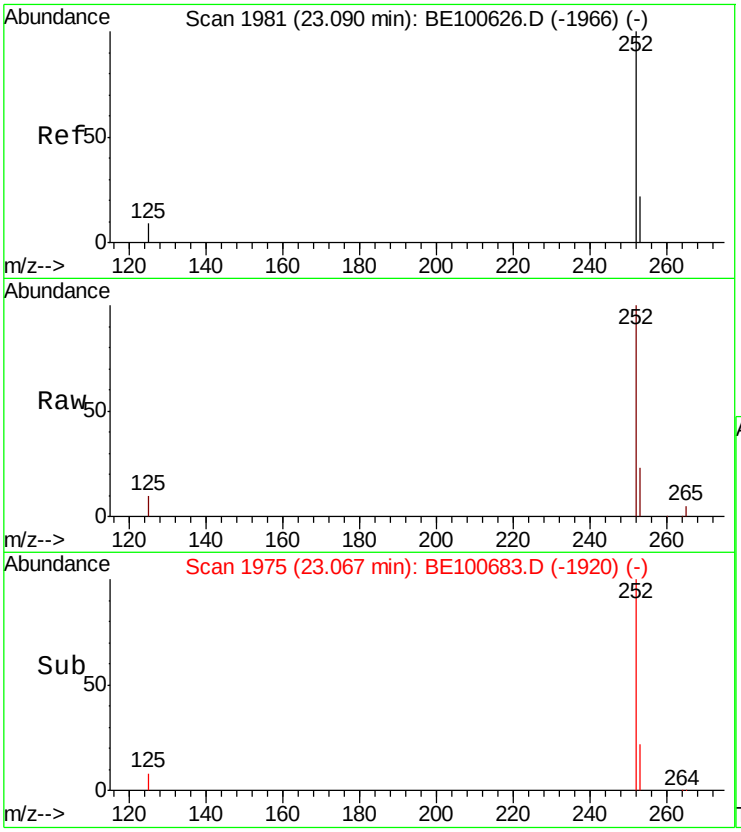


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.82 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:264 Resp: 41768

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	27.3	21.7	32.5





#35
Benzo(b)fluoranthene
Concen: 0.345 ng
RT: 23.07 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:252 Resp: 41985

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	10.3	7.6	11.4

Instrument :
BNA_E
ClientSampleId :
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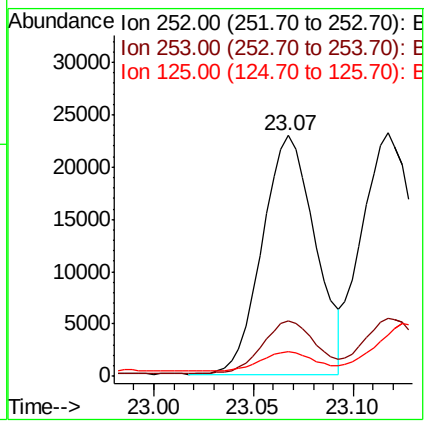
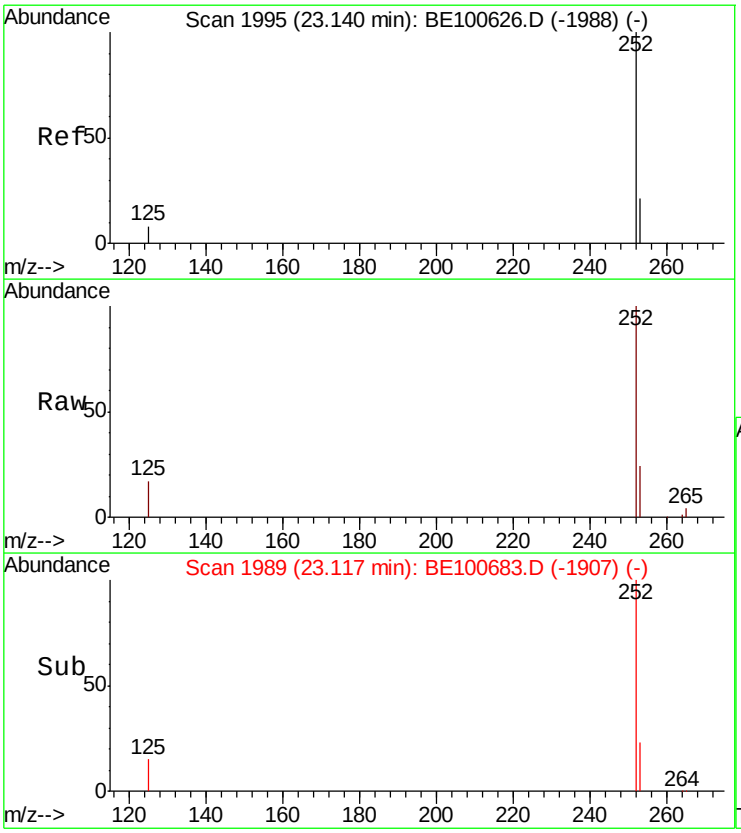
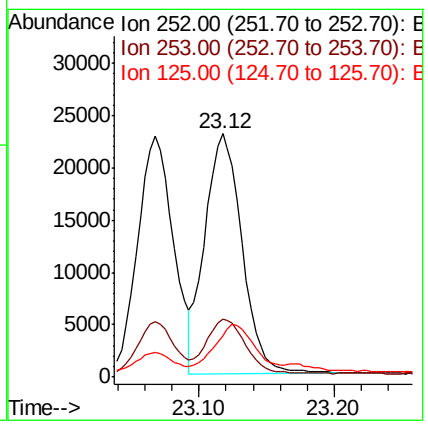


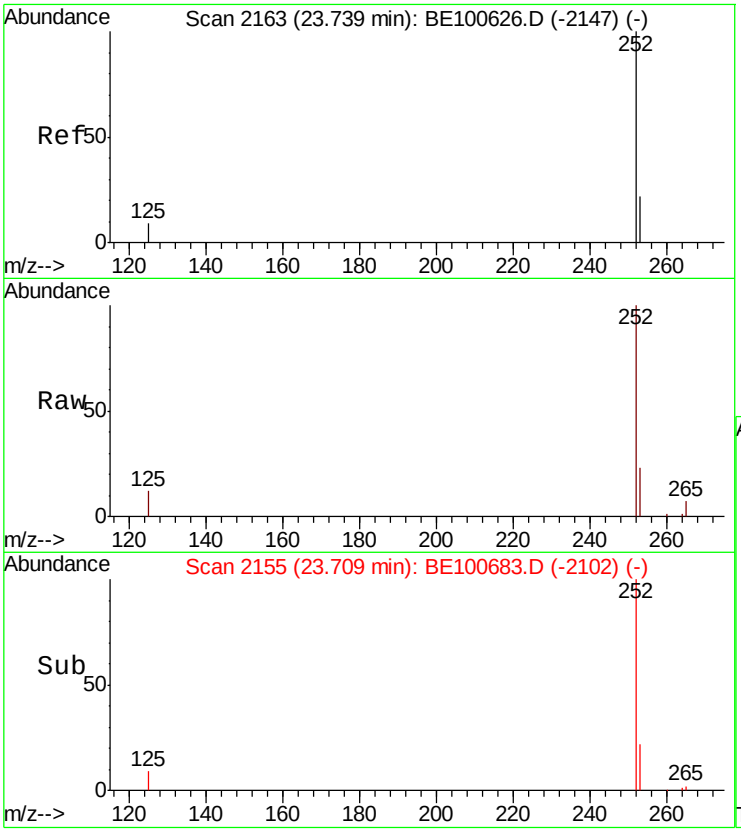


#36
Benzo(k)fluoranthene
Concen: 0.350 ng
RT: 23.12 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:252 Resp: 43884

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	17.3	11.6	17.4





#37
Benzo(a)pyrene
Concen: 0.363 ng
RT: 23.71 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:252 Resp: 41121

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	11.5	8.2	12.4

Instrument :
BNA_E
ClientSampleId :
GW809-8.0-13.0-102419MSD

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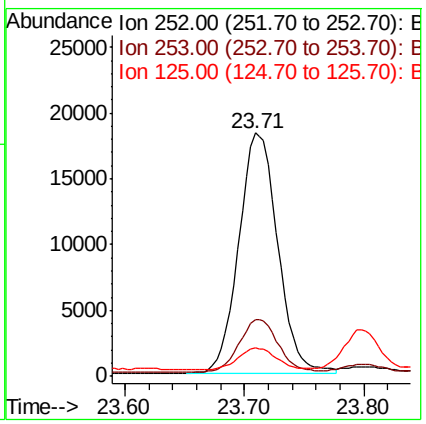
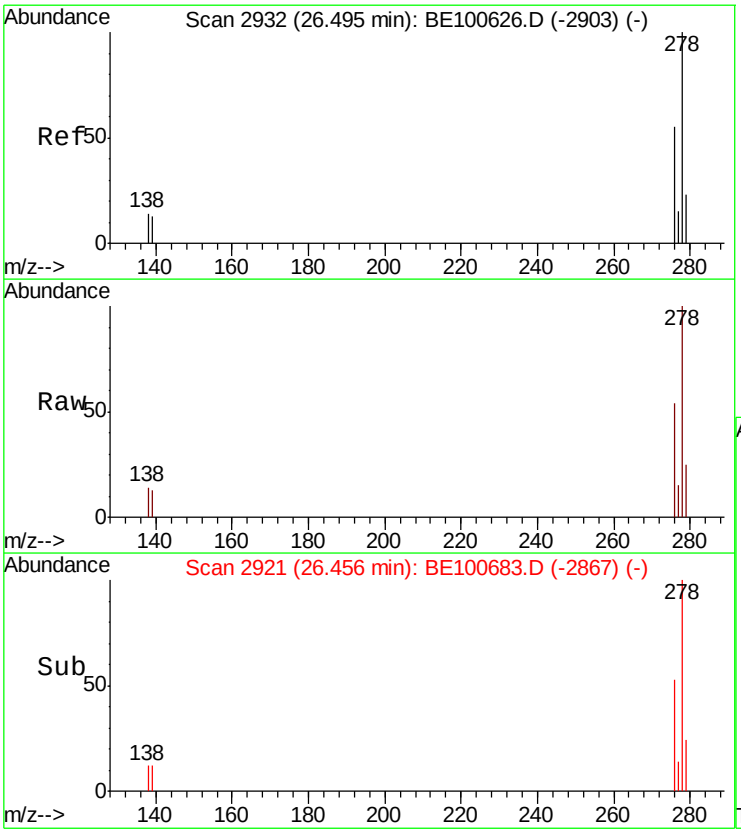
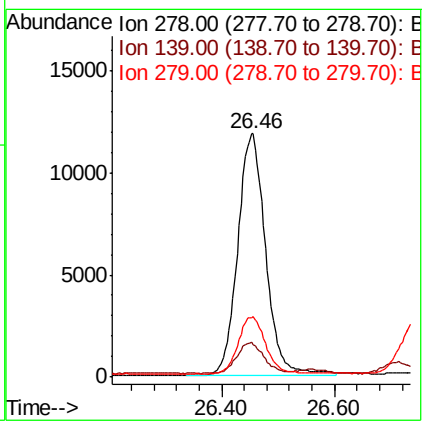


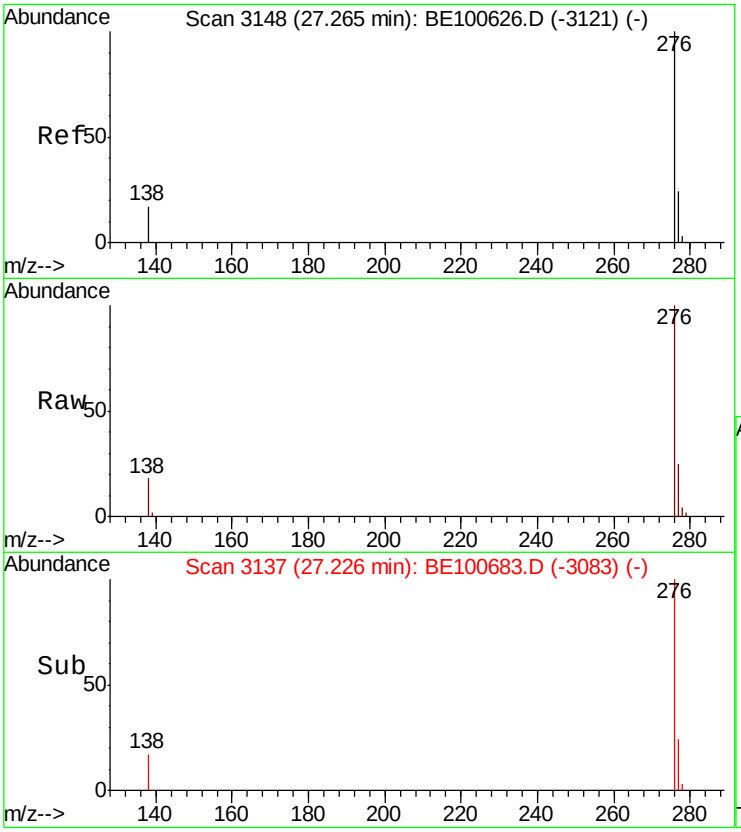


#38
Dibenzo(a,h)anthracene
Concen: 0.346 ng
RT: 26.46 min Scan# 2921
Delta R.T. -0.01 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:278 Resp: 40558

Ion	Ratio	Lower	Upper
278	100		
139	13.3	10.9	16.3
279	24.8	19.4	29.2

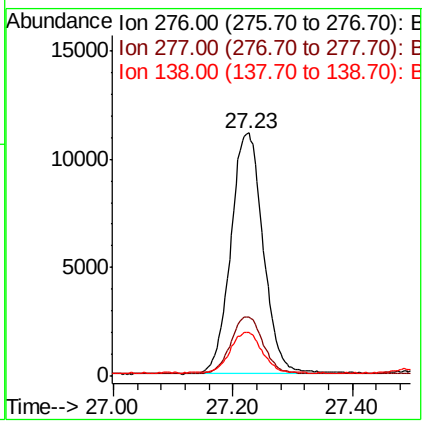




#39
Benzo(g,h,i)perylene
Concen: 0.355 ng
RT: 27.23 min Scan# 3137
Delta R.T. -0.01 min
Lab File: BE100683.D
Acq: 28 Oct 2019 20:54

Tgt Ion:276 Resp: 41791

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.4	29.0
138	18.1	13.6	20.4



Instrument :
BNA_E
ClientSampleId :
GW809-8.0-13.0-102419MSD

Manual Integrations APPROVED
mohammad
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