Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE112219\
Data File : BE100762.D
Acq On : 22 Nov 2019 17:33
Operator : JU
Sample : PB125011BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB125011BS

Manual Integrations APPROVED
mohammad
11/25/2019 8:19:10 AM

Quant Time: Nov 23 04:31:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE112119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 06:40:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	5449	0.40	ng	0.00
7) Naphthalene-d8	10.55	136	22704	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	11080	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	23527	0.40	ng	0.00
27) Chrysene-d12	21.32	240	29384	0.40	ng	0.00
34) Perylene-d12	23.77	264	33614	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	4366	0.30	ng	0.00
5) Phenol-d6	6.93	99	4541	0.21	ng	0.00
8) Nitrobenzene-d5	8.90	82	5173	0.71	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	11400m	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	917	0.59	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	18768	0.44	ng	0.00
25) Fluoranthene-d10	19.17	212	116159	0.40	ng	0.00
29) Terphenyl-d14	19.77	244	29525	0.44	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.35	88	3387	0.331	ng	# 53
3) n-Nitrosodimethylamine	3.65	42	1979	0.380	ng	# 58
6) bis(2-Chloroethyl)ether	7.19	93	7201	0.403	ng	97
9) Naphthalene	10.59	128	88414	0.367	ng	100
10) Hexachlorobutadiene	10.90	225	2570	0.278	ng	96
12) 2-Methylnaphthalene	12.21	142	13572	0.356	ng	97
16) Acenaphthylene	14.11	152	17932	0.376	ng	99
17) Acenaphthene	14.46	154	11353	0.355	ng	100
18) Fluorene	15.43	166	14629	0.358	ng	98
20) 4-Bromophenyl-phenylether	16.33	248	4124	0.356	ng	89
21) Hexachlorobenzene	16.45	284	4100	0.339	ng	98
22) Pentachlorophenol	16.79	266	1681	0.896	ng	98
23) Phenanthrene	17.17	178	26981	0.381	ng	99
24) Anthracene	17.27	178	21777	0.357	ng	99
26) Fluoranthene	19.20	202	32522	0.375	ng	100
28) Pyrene	19.56	202	33170	0.365	ng	99
30) Benzo(a)anthracene	21.29	228	36865	0.372	ng	96
31) Chrysene	21.35	228	38651	0.384	ng	100
32) Bis(2-ethylhexyl)phthalate	21.26	149	58288	0.429	ng	99
33) Indeno(1,2,3-cd)pyrene	26.36	276	38262	0.409	ng	100
35) Benzo(b)fluoranthene	23.02	252	37754	0.358	ng	99
36) Benzo(k)fluoranthene	23.07	252	38687	0.352	ng	99
37) Benzo(a)pyrene	23.66	252	32164	0.346	ng	99
38) Dibenzo(a,h)anthracene	26.38	278	31928	0.326	ng	99
39) Benzo(g,h,i)perylene	27.14	276	34575	0.373	ng	98

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

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Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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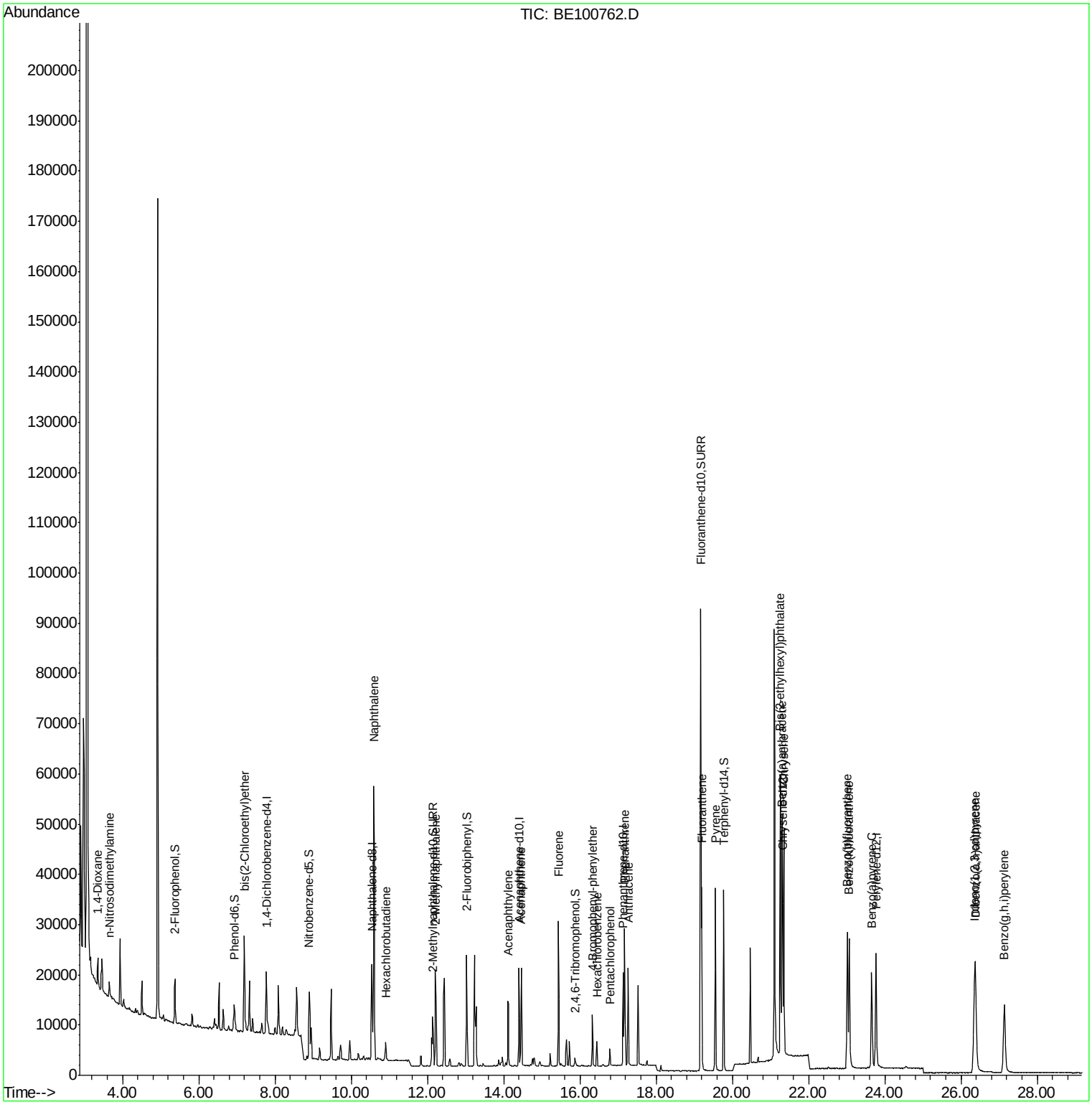
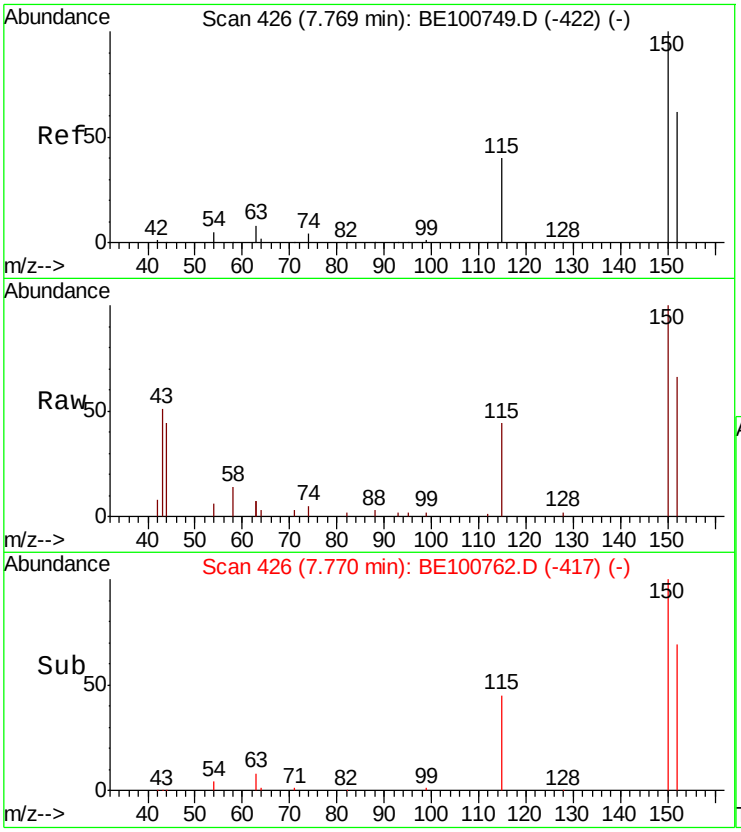
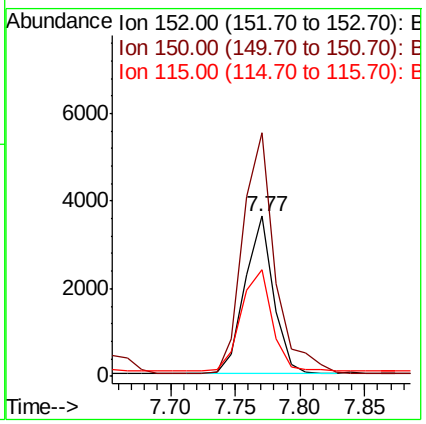




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. 0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:152 Resp: 5449

Ion	Ratio	Lower	Upper
152	100		
150	152.3	127.1	190.7
115	66.8	53.0	79.4



Instrument :
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ClientSampleId :
PB125011BS

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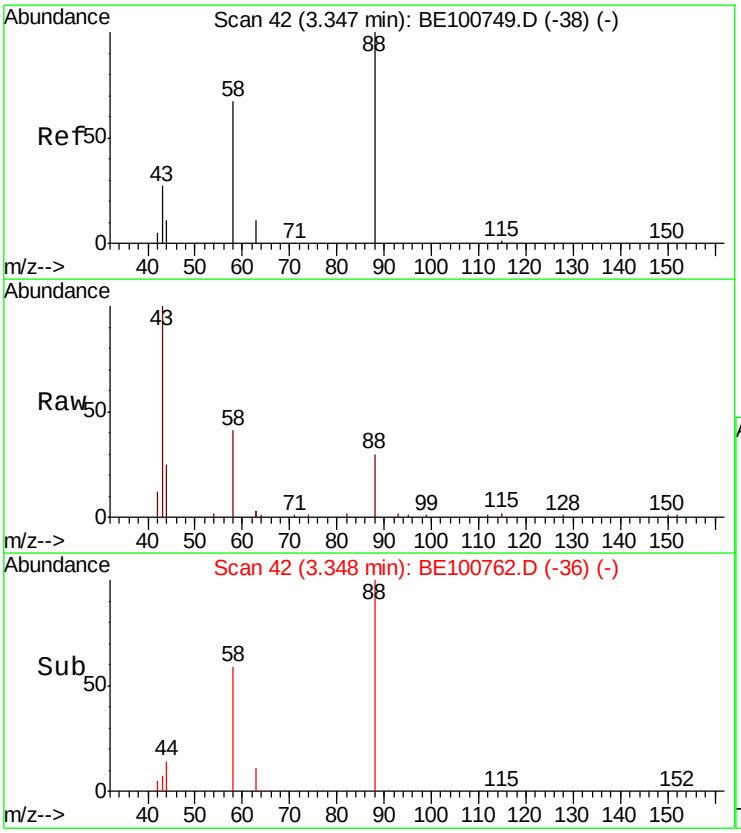
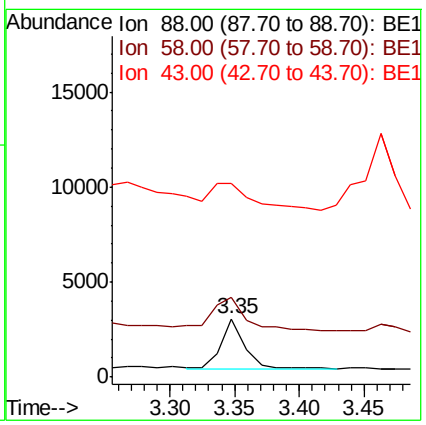
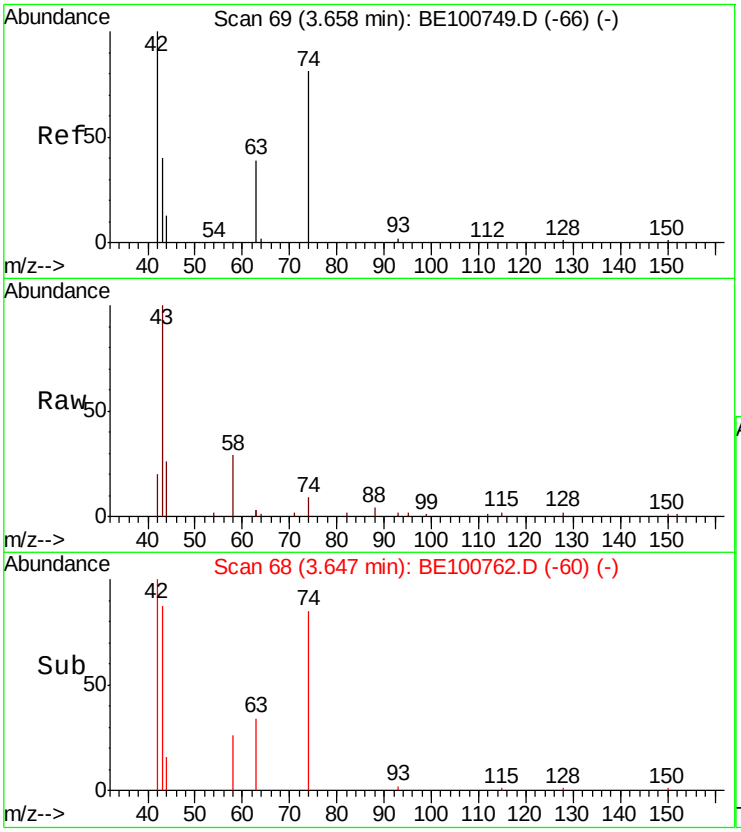


#2
1,4-Dioxane
Concen: 0.331 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion: 88 Resp: 3387

Ion	Ratio	Lower	Upper
88	100		
58	94.8	60.7	91.1#
43	93.6	27.4	41.2#

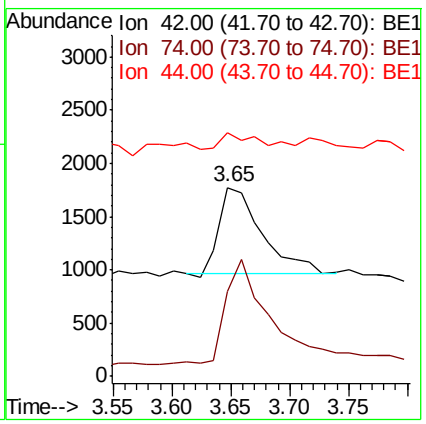




#3
n-Nitrosodimethylamine
Concen: 0.380 ng
RT: 3.65 min Scan# 68
Delta R.T. -0.01 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion: 42 Resp: 1979

Ion	Ratio	Lower	Upper
42	100		
74	142.3	0.0	0.0#
44	19.3	4.2	6.4#



Instrument :
BNA_E
ClientSampleId :
PB125011BS

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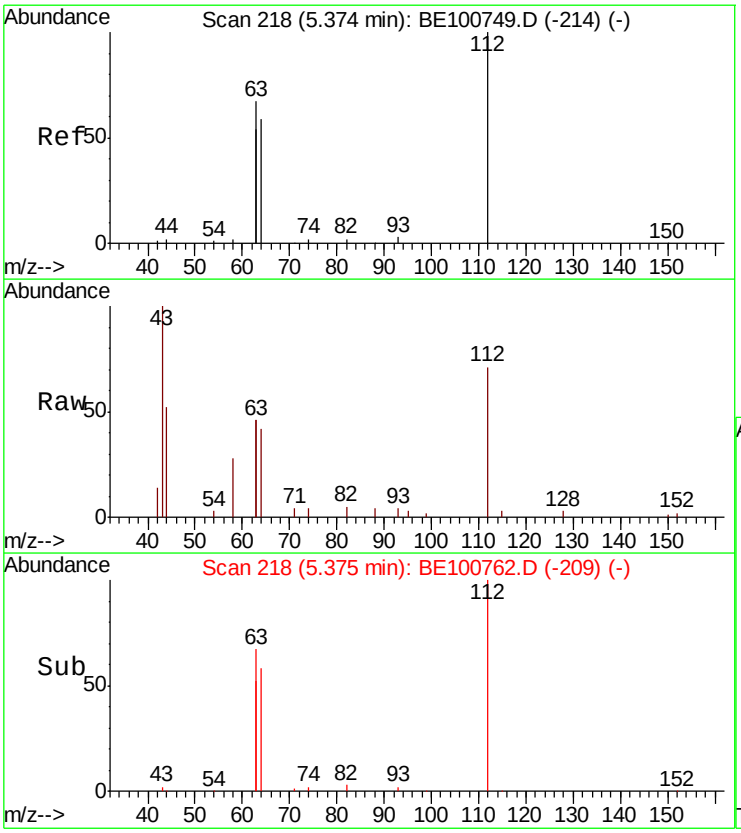
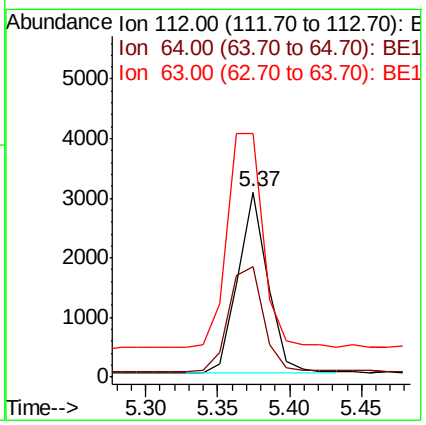
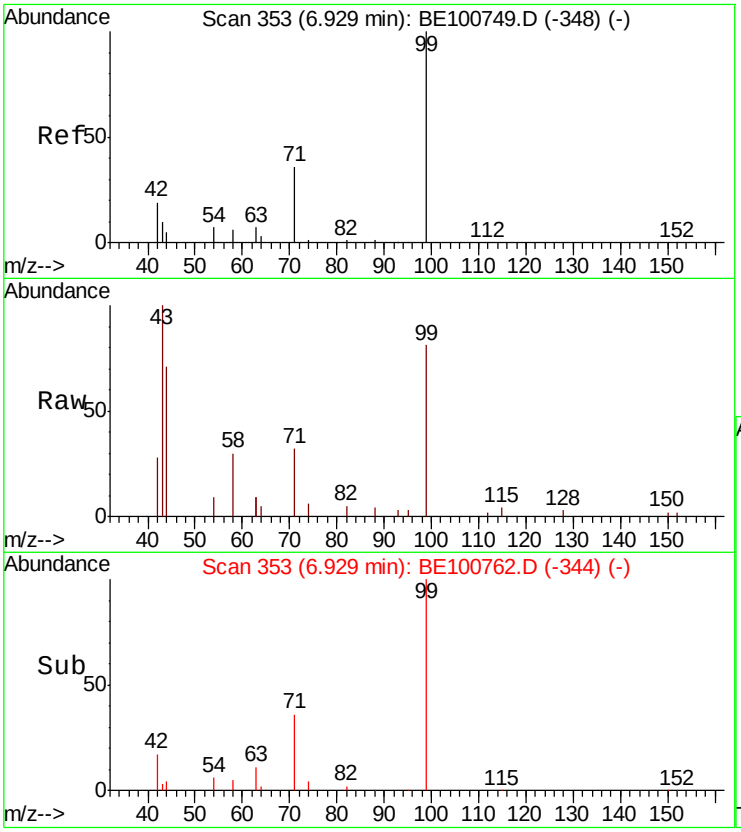


#4
2-Fluorophenol
Concen: 0.296 ng
RT: 5.37 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:112 Resp: 4366

Ion	Ratio	Lower	Upper
112	100		
64	68.1	54.3	81.5
63	142.5	114.0	171.0

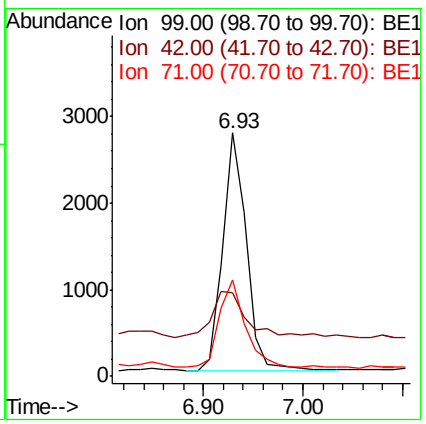




#5
Phenol-d6
Concen: 0.212 ng
RT: 6.93 min Scan# 353
Delta R.T. 0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion: 99 Resp: 4541

Ion	Ratio	Lower	Upper
99	100		
42	27.9	17.9	26.9#
71	40.9	29.3	43.9



Instrument :
BNA_E
ClientSampleId :
PB125011BS

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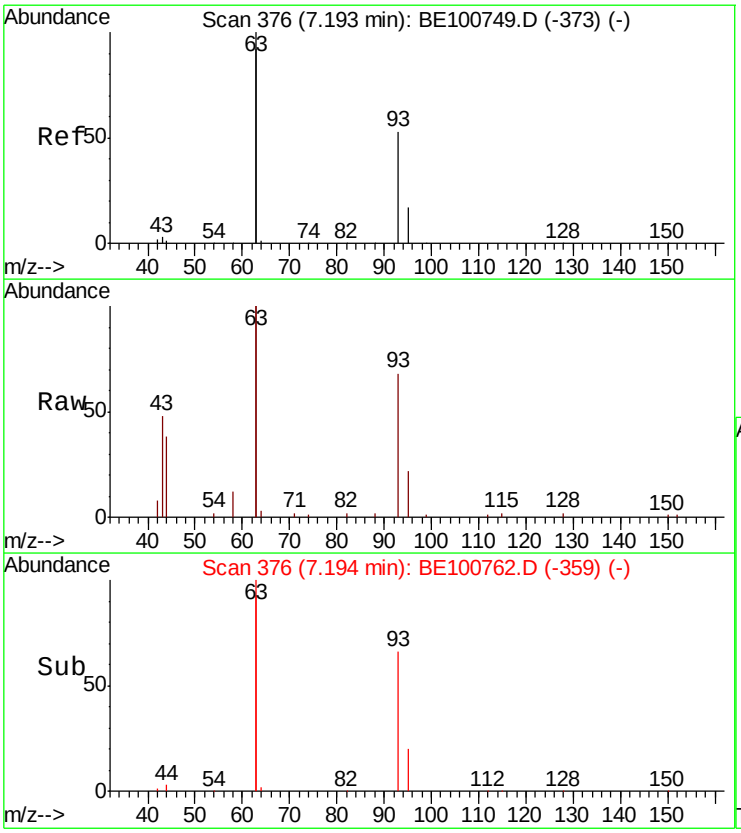
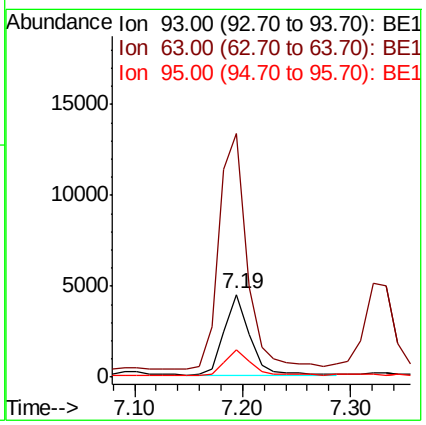
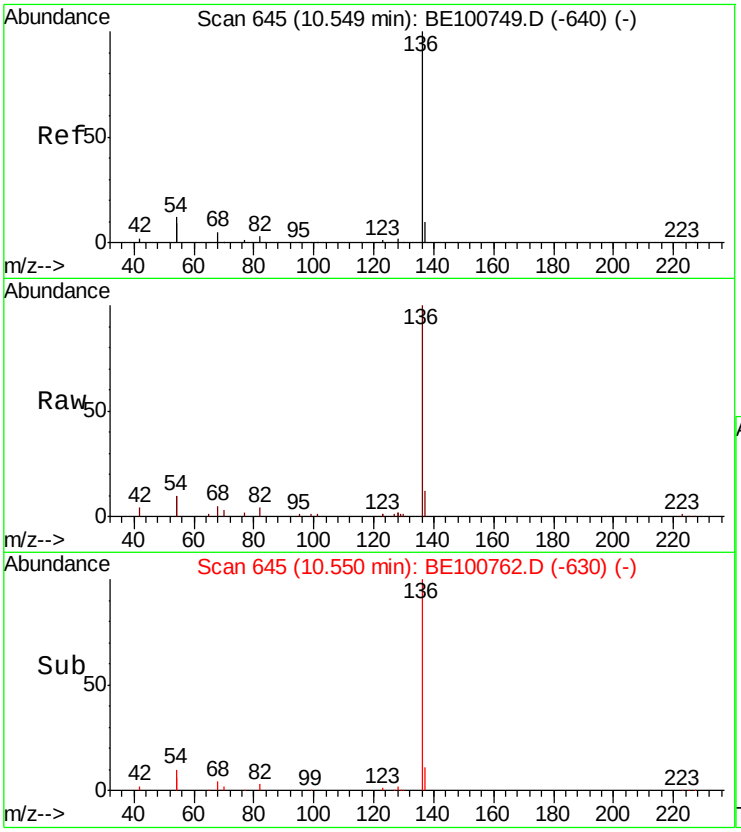


#6
bis(2-Chloroethyl)ether
Concen: 0.403 ng
RT: 7.19 min Scan# 376
Delta R.T. 0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion: 93 Resp: 7201

Ion	Ratio	Lower	Upper
93	100		
63	326.8	267.0	400.6
95	32.2	26.2	39.4

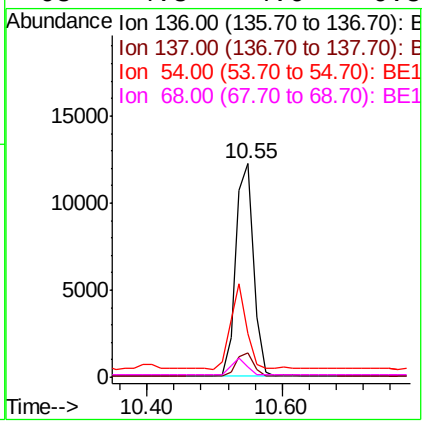




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.55 min Scan# 645
Delta R.T. 0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:136 Resp: 22704

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.6	12.8
54	20.2	19.4	29.0
68	4.8	4.6	6.8



Instrument :
BNA_E
ClientSampleId :
PB125011BS

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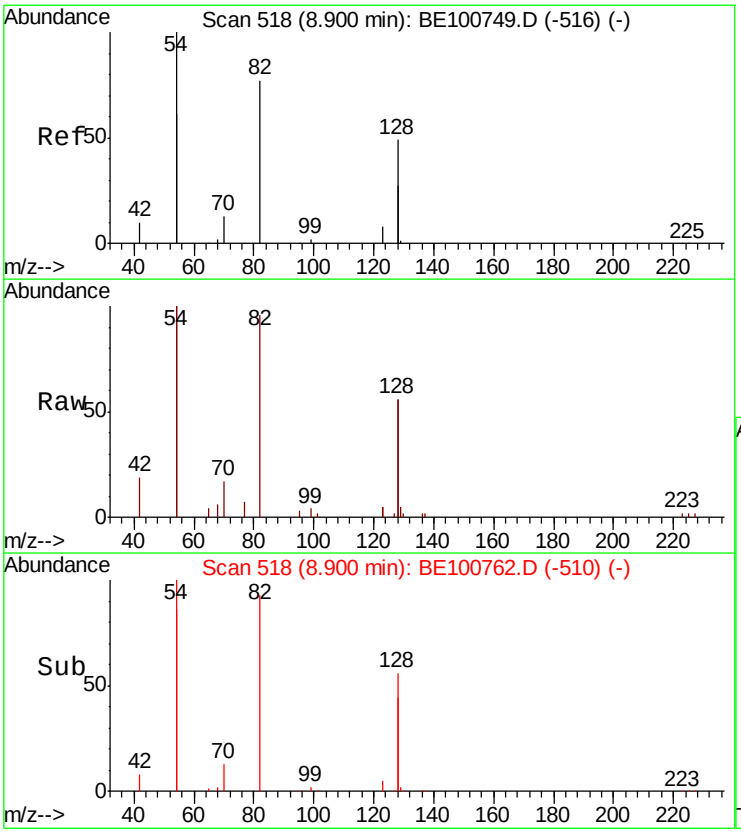
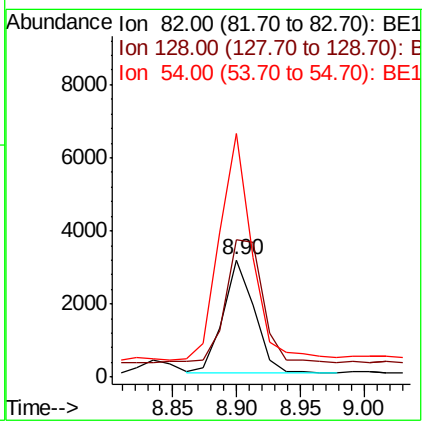
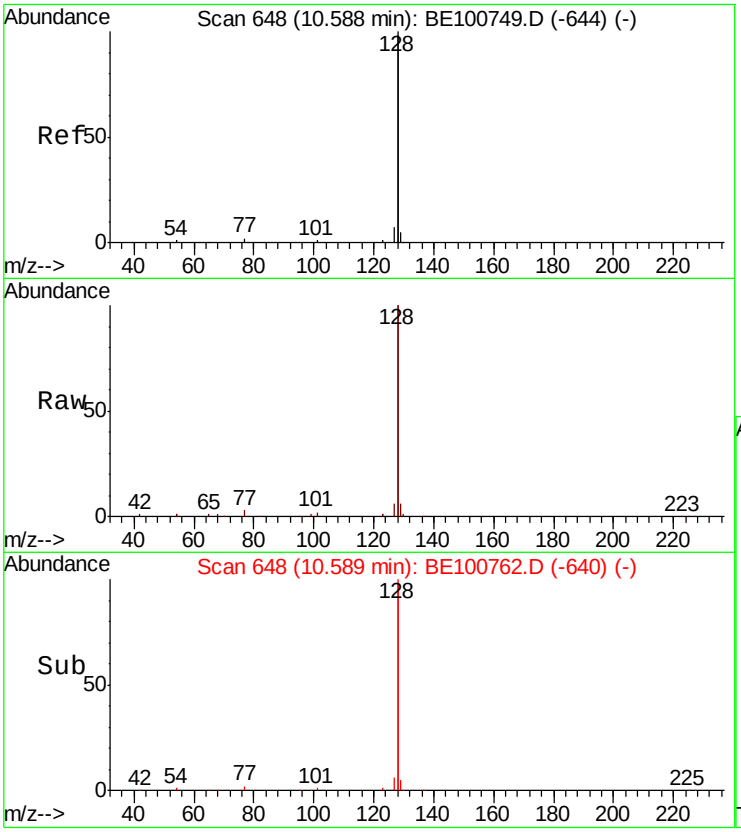


#8
Nitrobenzene-d5
Concen: 0.711 ng
RT: 8.90 min Scan# 518
Delta R.T. 0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion: 82 Resp: 5173

Ion	Ratio	Lower	Upper
82	100		
128	116.9	90.2	135.4
54	207.5	186.0	279.0

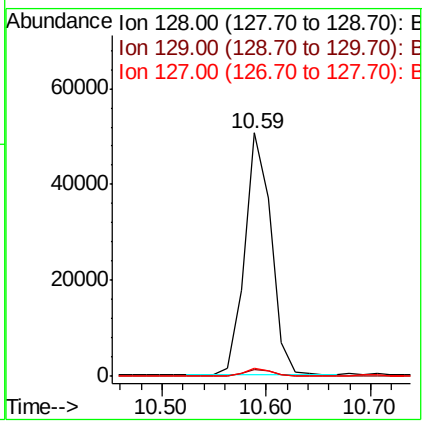




#9
Naphthalene
Concen: 0.367 ng
RT: 10.59 min Scan# 648
Delta R.T. 0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:128 Resp: 88414

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.3	3.5
127	3.2	2.7	4.1



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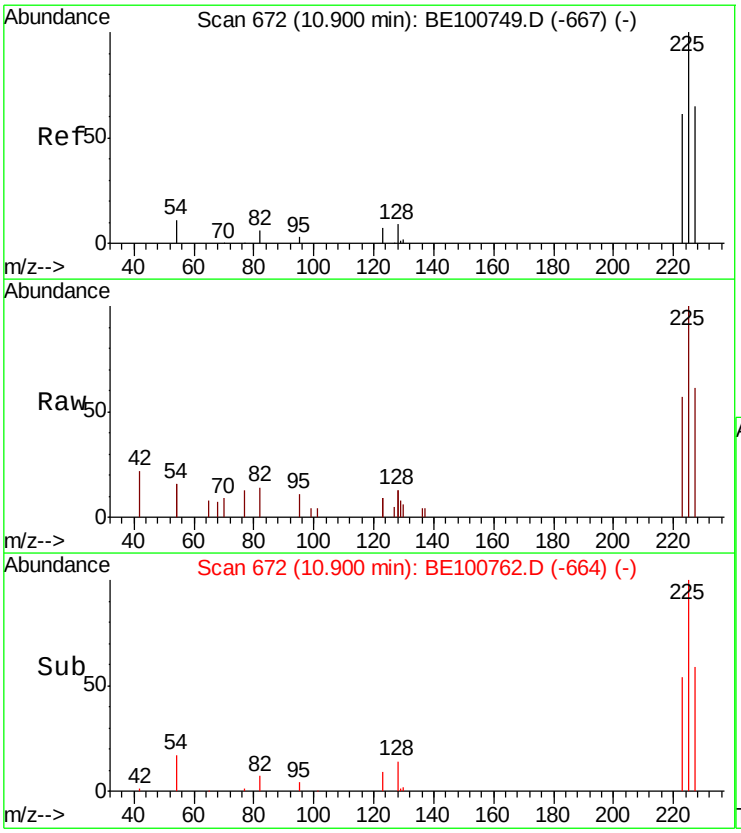
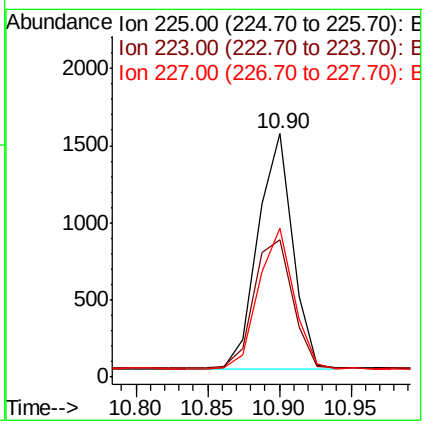
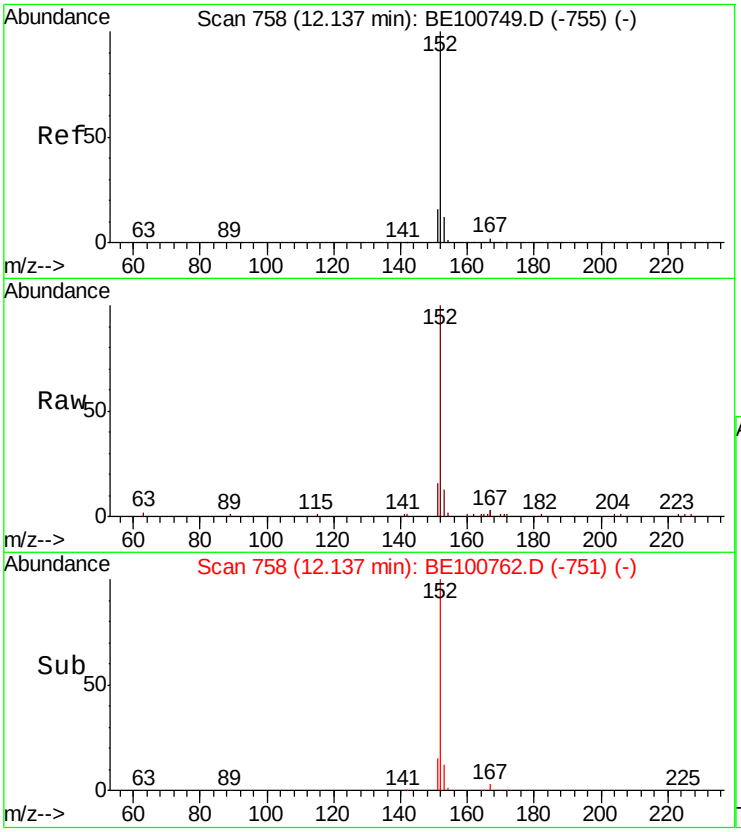


#10
Hexachlorobutadiene
Concen: 0.278 ng
RT: 10.90 min Scan# 672
Delta R.T. 0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:225 Resp: 2570

Ion	Ratio	Lower	Upper
225	100		
223	61.0	50.6	75.8
227	60.9	52.0	78.0

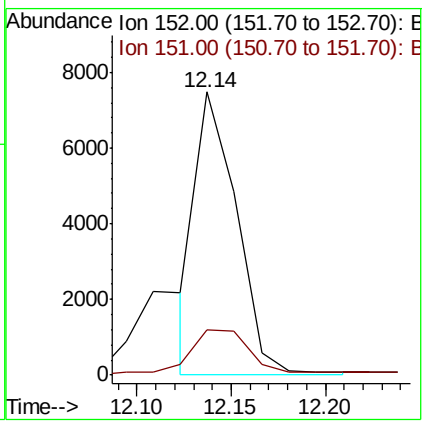




#11
2-Methylnaphthalene-d10
Concen: 0.342 ng m
RT: 12.14 min Scan# 758
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:152 Resp: 11400

Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.8	23.8



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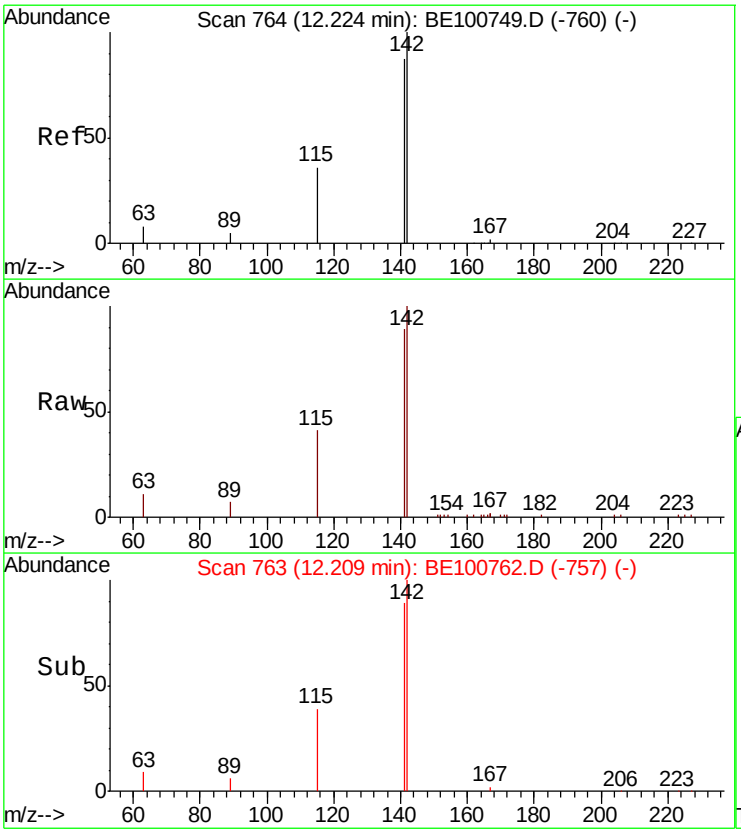
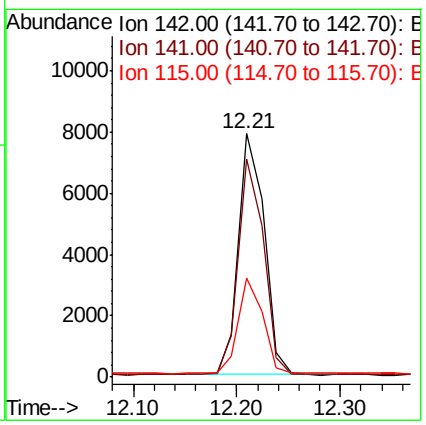
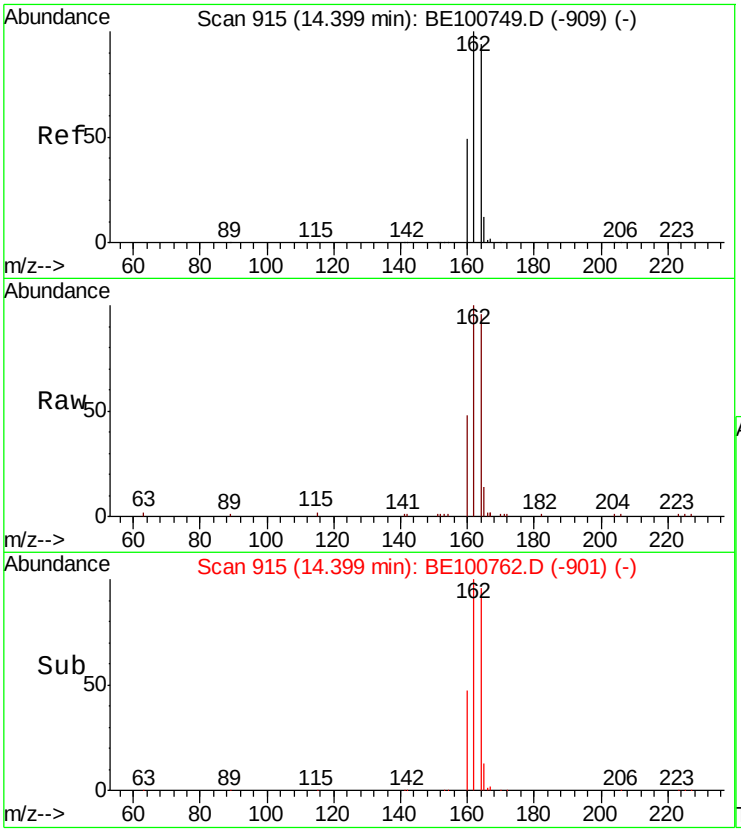


#12
2-Methylnaphthalene
Concen: 0.356 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:142 Resp: 13572

Ion	Ratio	Lower	Upper
142	100		
141	89.4	69.9	104.9
115	40.7	29.5	44.3

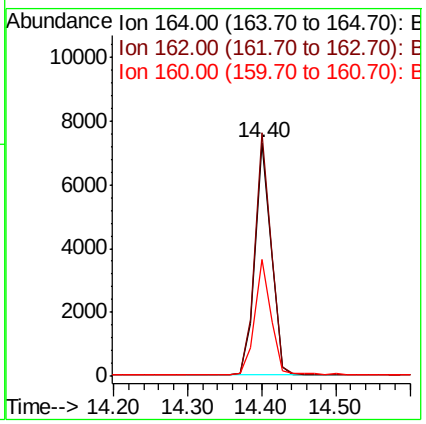




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:164 Resp: 11080

Ion	Ratio	Lower	Upper
164	100		
162	104.0	84.8	127.2
160	49.8	42.3	63.5



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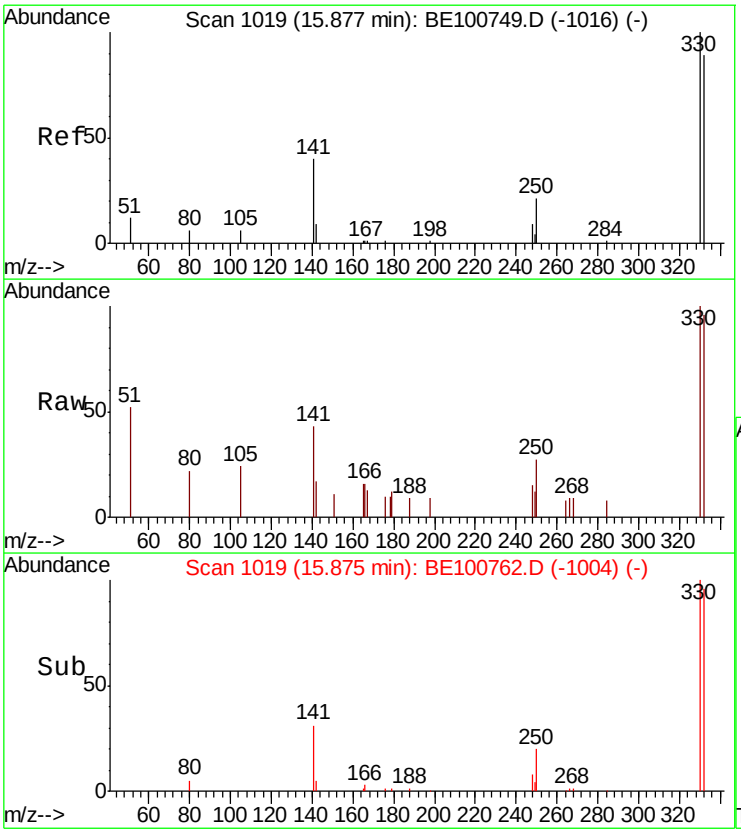
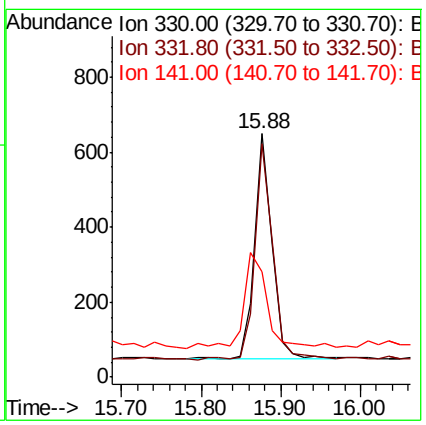
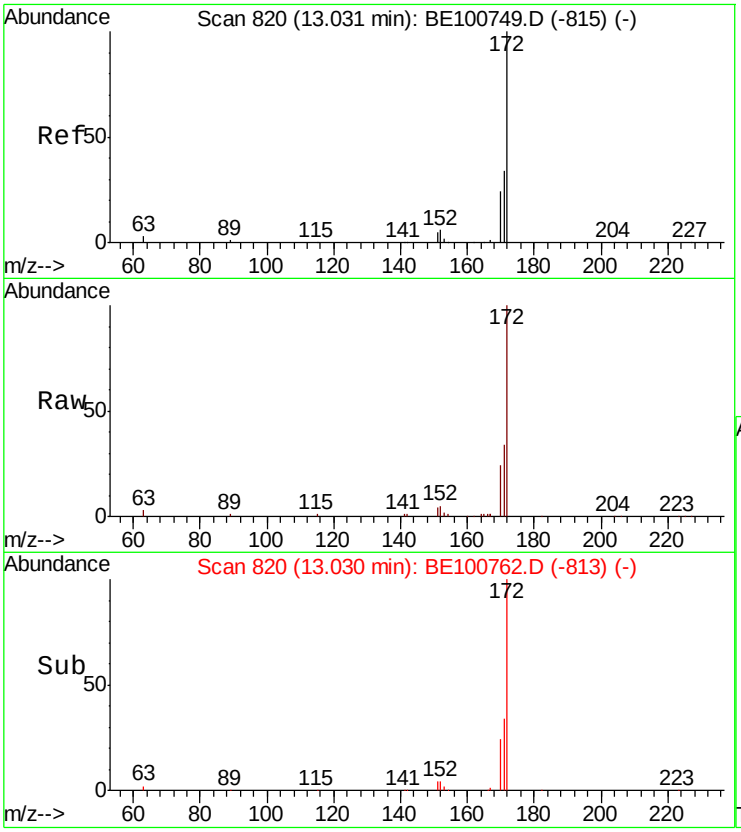


#14
2,4,6-Tribromophenol
Concen: 0.587 ng
RT: 15.88 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:330 Resp: 917

Ion	Ratio	Lower	Upper
330	100		
332	98.8	79.3	118.9
141	57.4	43.8	65.6

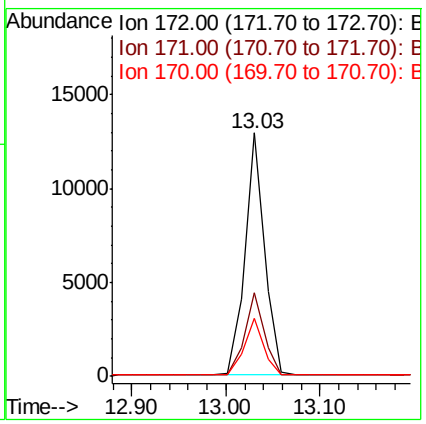




#15
2-Fluorobiphenyl
Concen: 0.436 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:172 Resp: 18768

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.8	41.6
170	24.0	19.4	29.2



Instrument :
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ClientSampleId :
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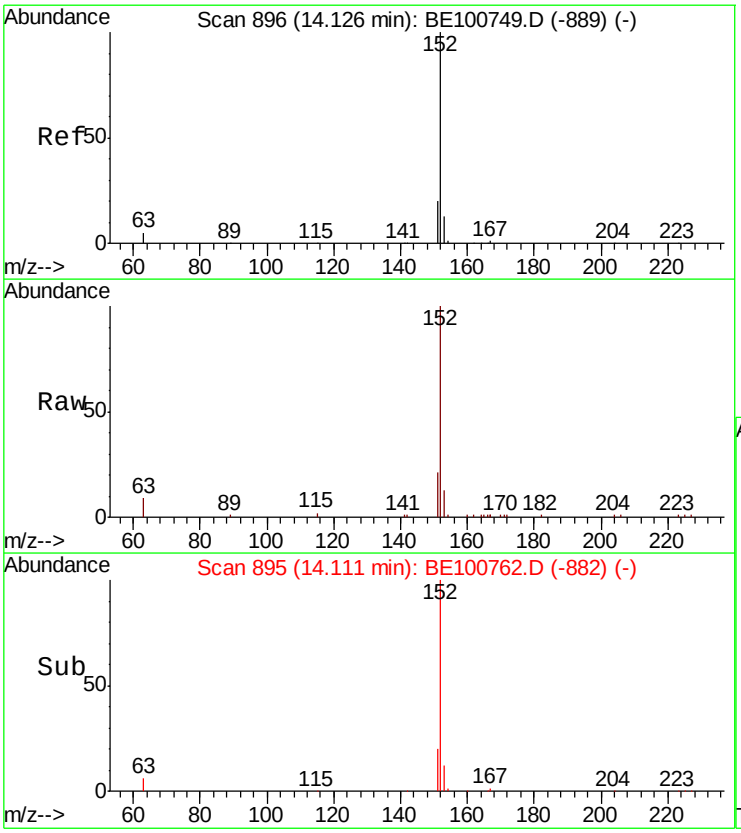
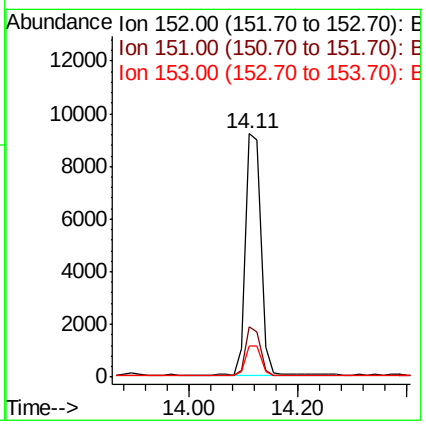
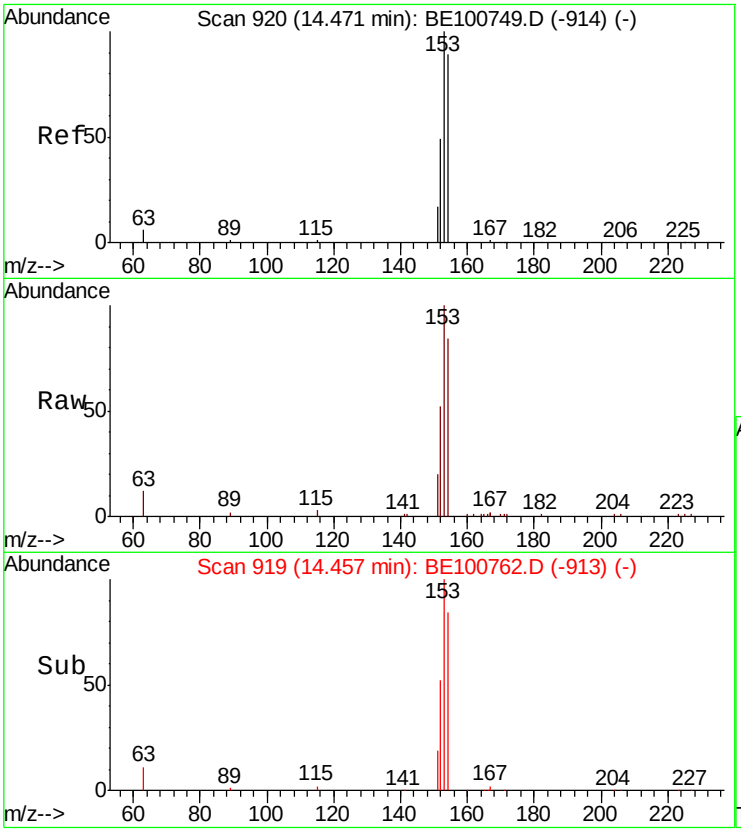


#16
Acenaphthylene
Concen: 0.376 ng
RT: 14.11 min Scan# 895
Delta R.T. -0.01 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:152 Resp: 17932

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.4
153	12.7	10.6	15.8

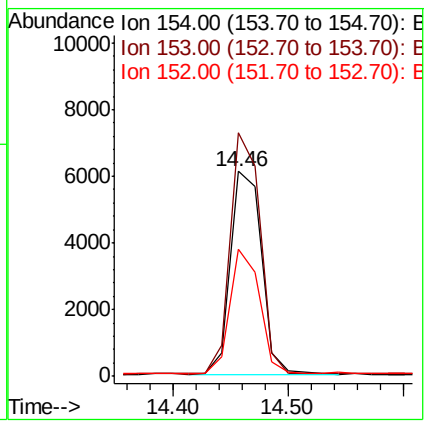




#17
Acenaphthene
Concen: 0.355 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.01 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:154 Resp: 11353

Ion	Ratio	Lower	Upper
154	100		
153	114.7	91.6	137.4
152	58.8	47.0	70.6



Instrument :
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ClientSampleId :
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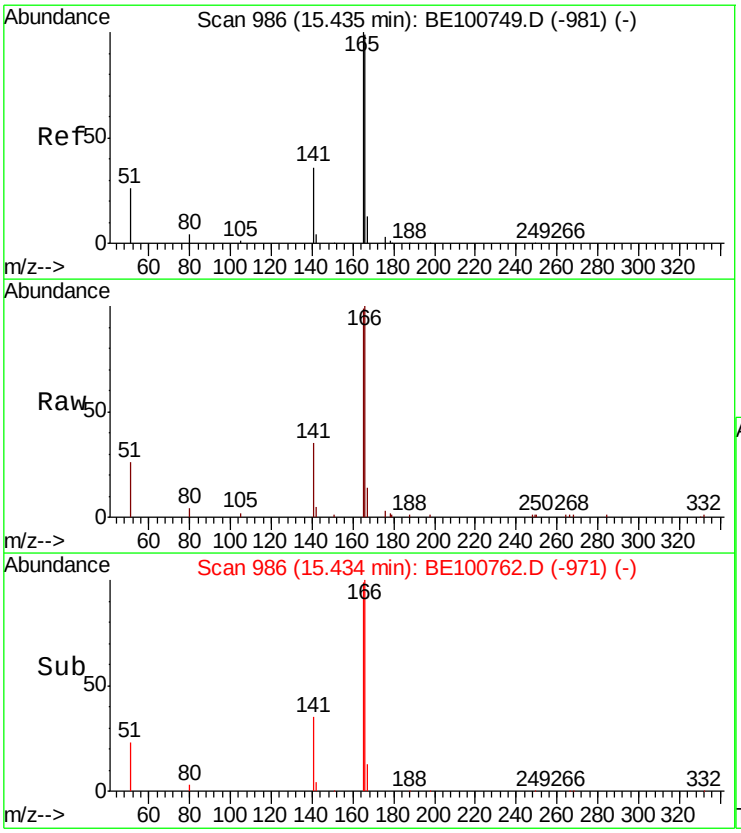
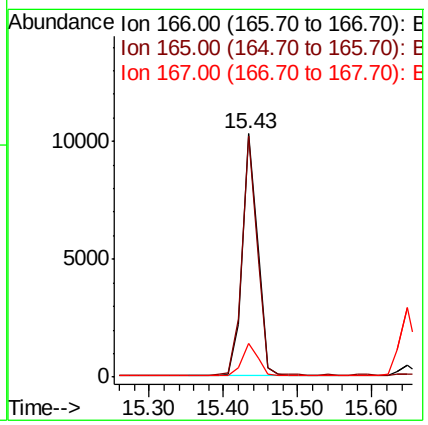
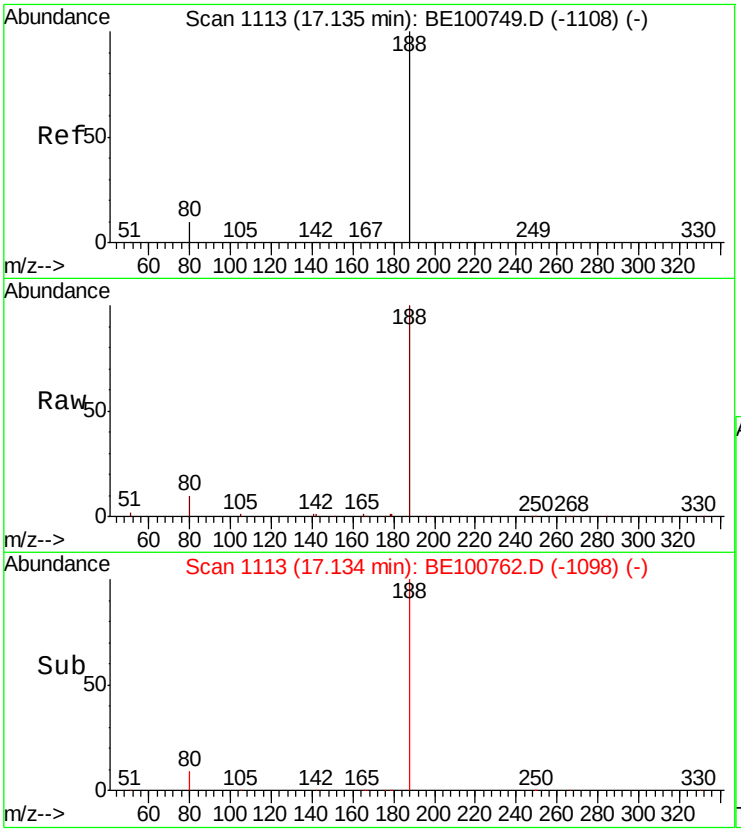


#18
Fluorene
Concen: 0.358 ng
RT: 15.43 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:166 Resp: 14629

Ion	Ratio	Lower	Upper
166	100		
165	97.7	80.2	120.4
167	13.8	11.0	16.4

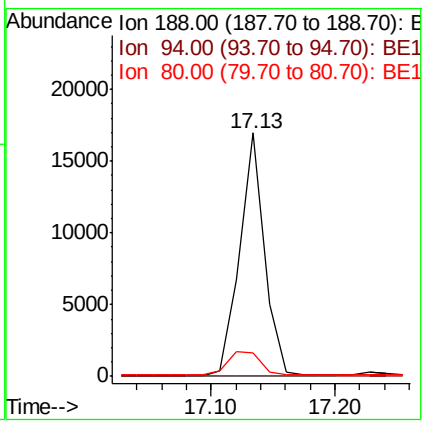




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.13 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:188 Resp: 23527

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	8.2	12.2



Instrument :
BNA_E
ClientSampleId :
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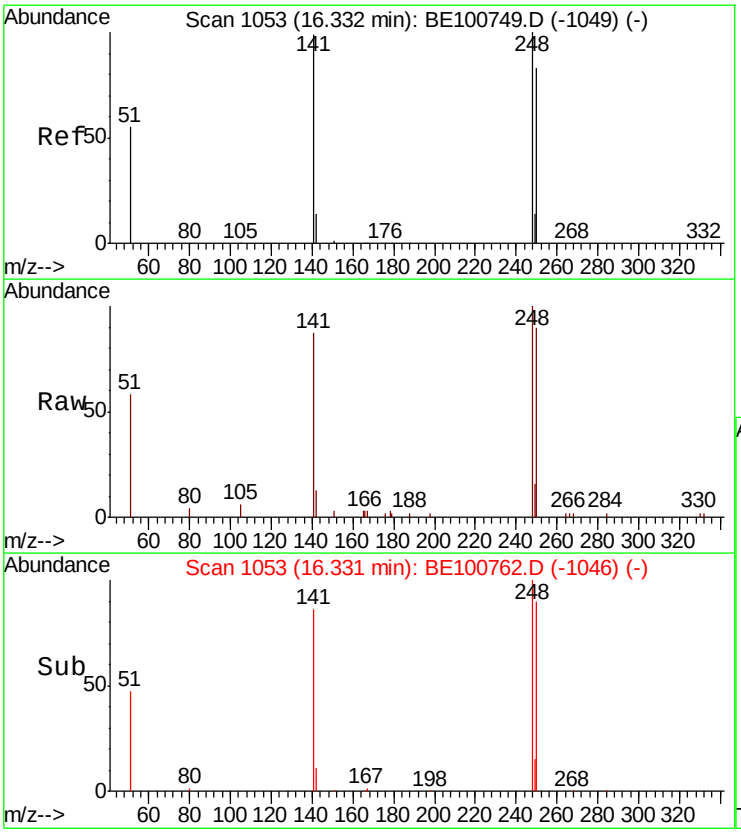
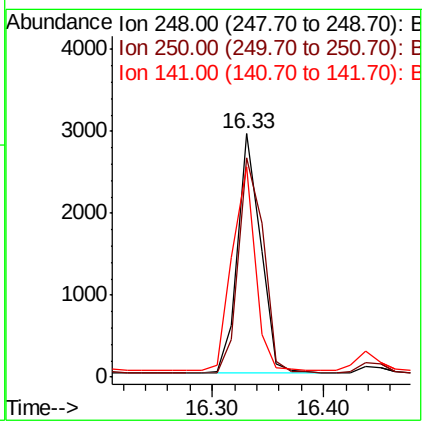
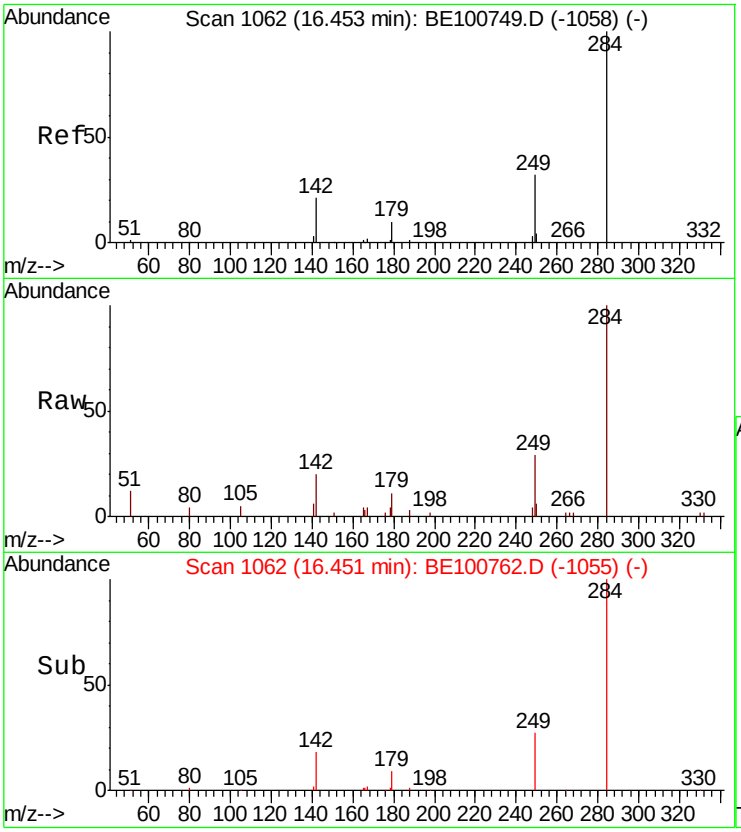


#20
4-Bromophenyl-phenylether
Concen: 0.356 ng
RT: 16.33 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:248 Resp: 4124

Ion	Ratio	Lower	Upper
248	100		
250	90.0	66.3	99.5
141	86.6	79.6	119.4

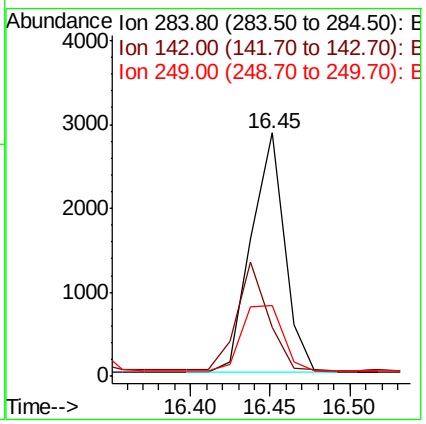




#21
Hexachlorobenzene
Concen: 0.339 ng
RT: 16.45 min Scan# 1062
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:284 Resp: 4100

Ion	Ratio	Lower	Upper
284	100		
142	43.2	34.9	52.3
249	34.0	28.7	43.1



Instrument :
BNA_E
ClientSampleId :
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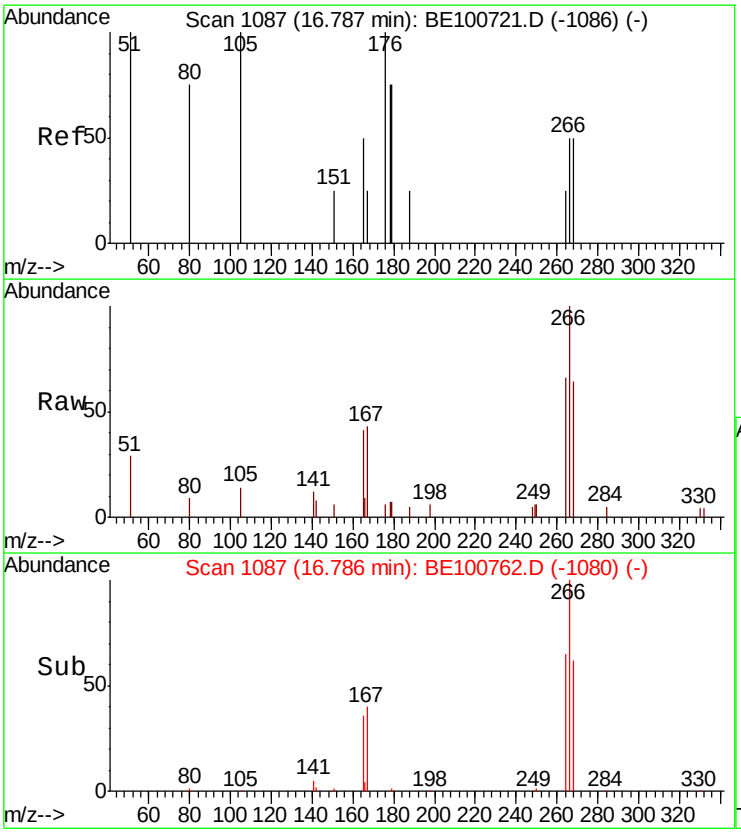
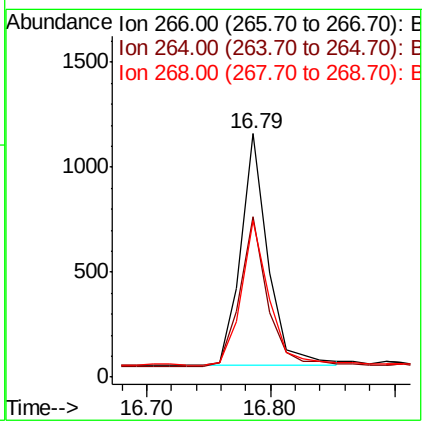
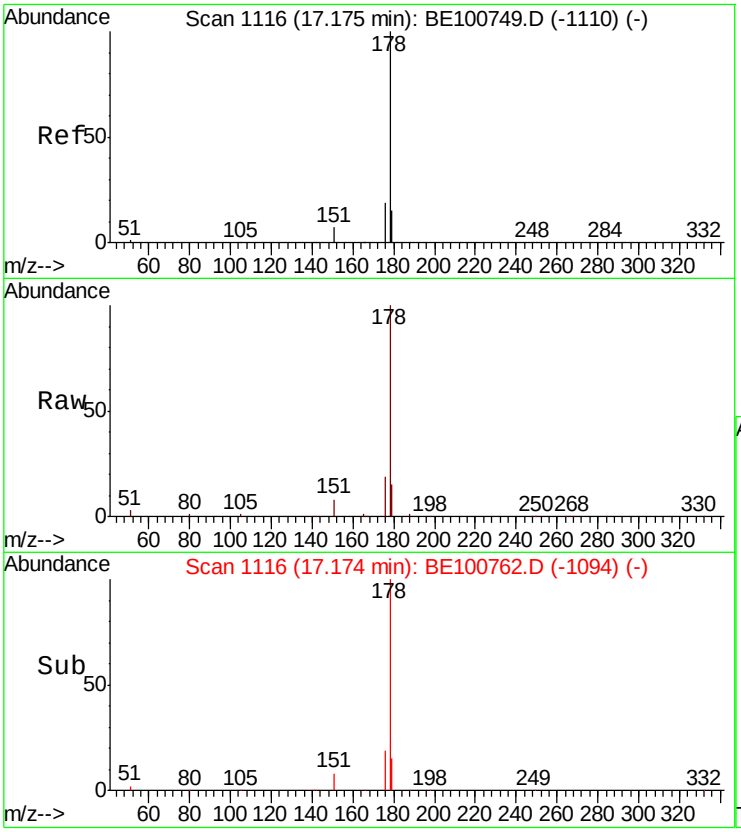


#22
Pentachlorophenol
Concen: 0.896 ng
RT: 16.79 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:266 Resp: 1681

Ion	Ratio	Lower	Upper
266	100		
264	66.1	54.6	82.0
268	64.1	52.6	78.8

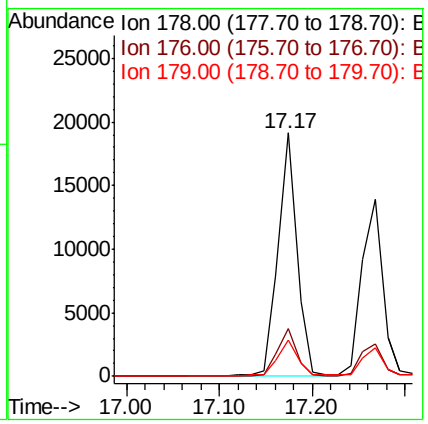




#23
Phenanthrene
Concen: 0.381 ng
RT: 17.17 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:178 Resp: 26981

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.2	12.5	18.7



Instrument :
BNA_E
ClientSampleId :
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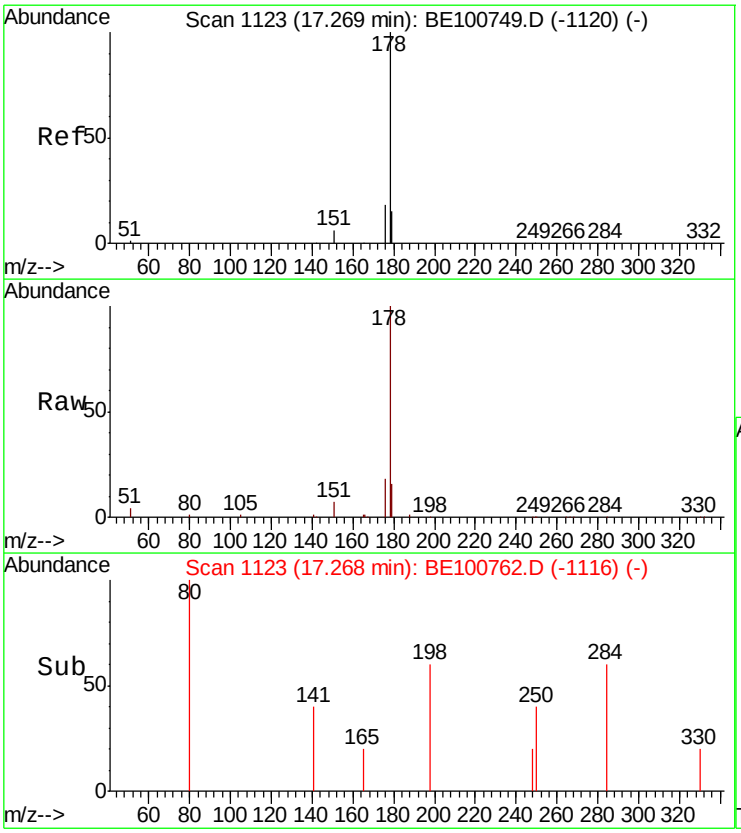
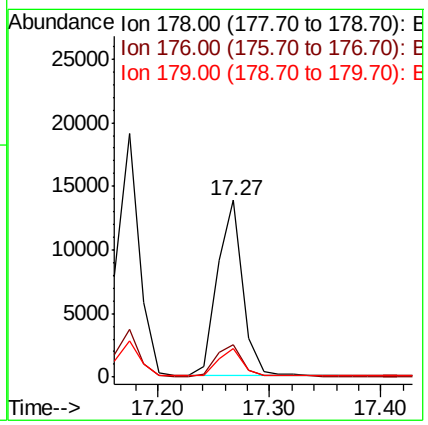
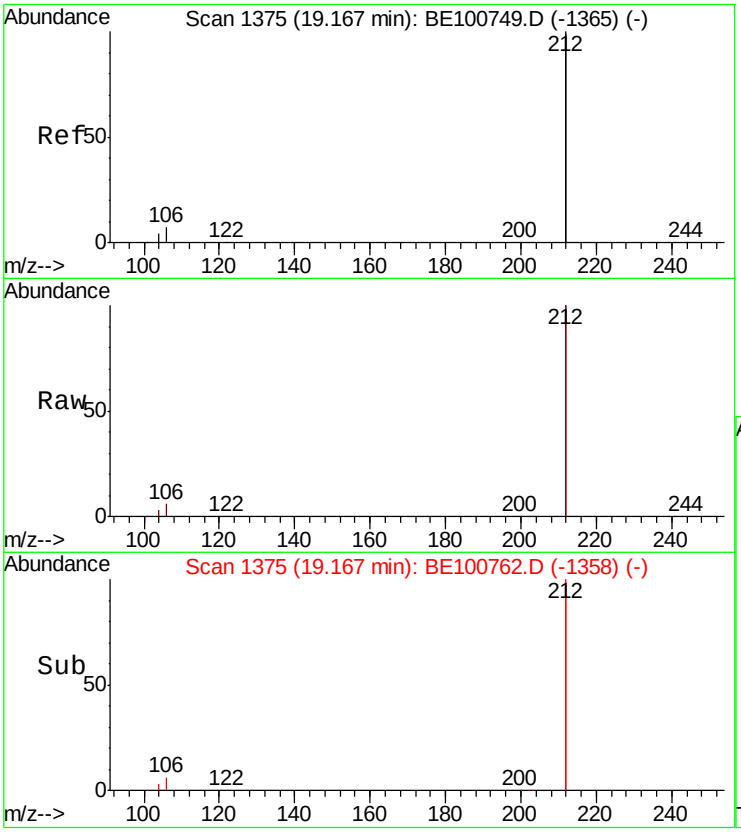


#24
Anthracene
Concen: 0.357 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:178 Resp: 21777

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.3	12.2	18.4

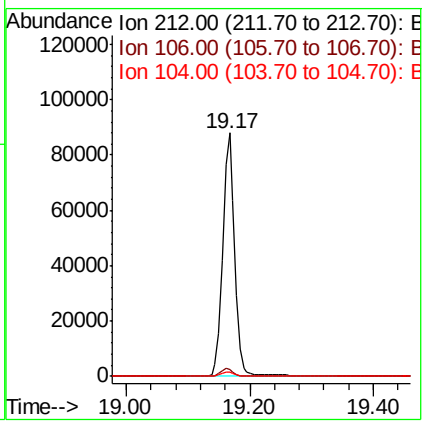




#25
Fluoranthene-d10
Concen: 0.403 ng
RT: 19.17 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:212 Resp: 116159

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.6	4.0
104	1.9	1.5	2.3



Instrument :
BNA_E
ClientSampleId :
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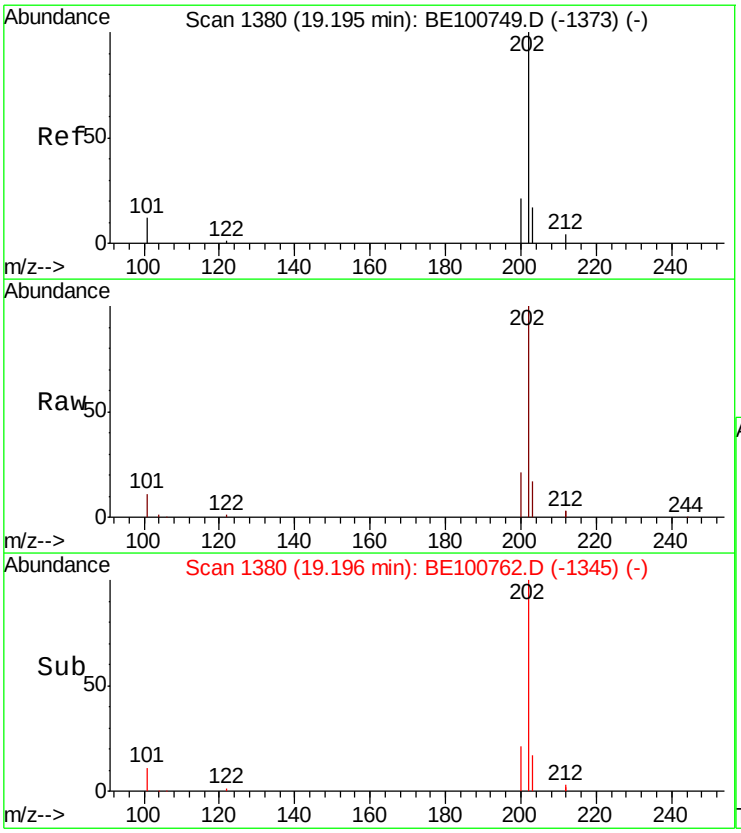
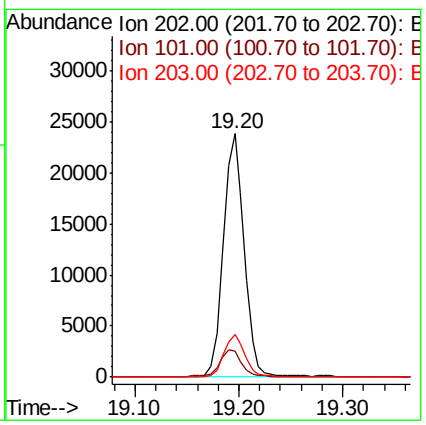
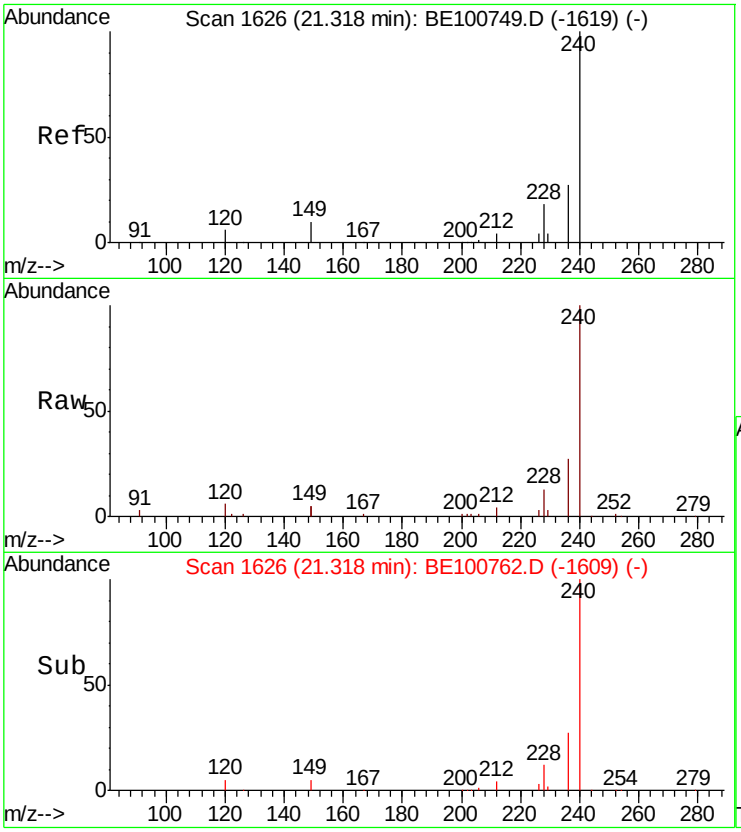


#26
Fluoranthene
Concen: 0.375 ng
RT: 19.20 min Scan# 1380
Delta R.T. 0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:202 Resp: 32522

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.2	13.8
203	17.1	13.8	20.8

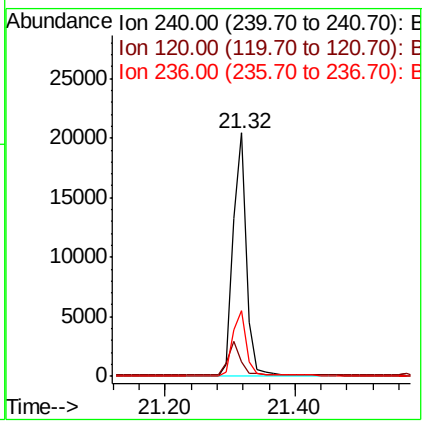




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.32 min Scan# 1626
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:240 Resp: 29384

Ion	Ratio	Lower	Upper
240	100		
120	5.9	5.8	8.8
236	27.0	21.9	32.9



Instrument :
BNA_E
ClientSampleId :
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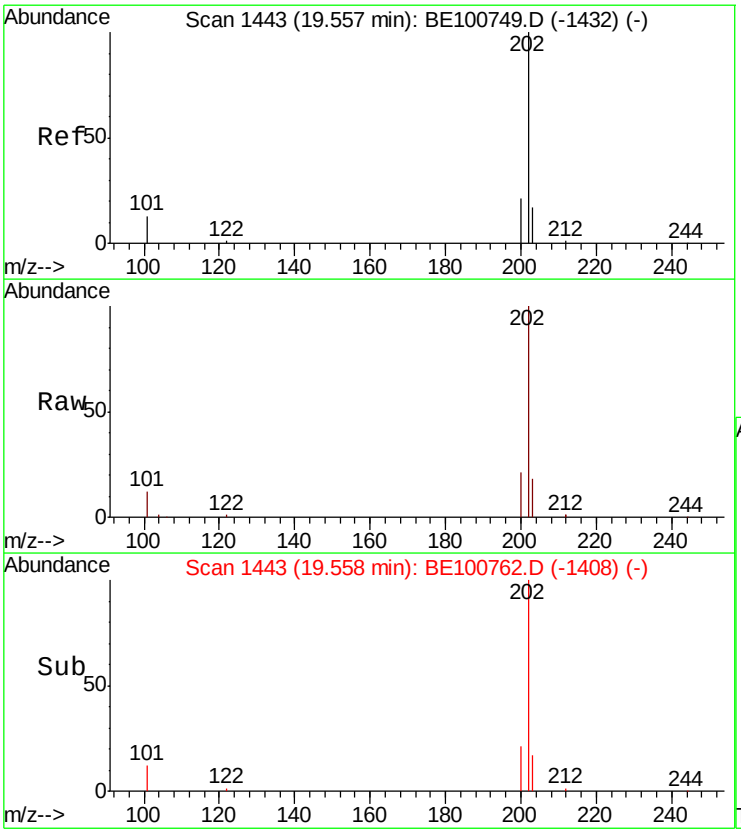
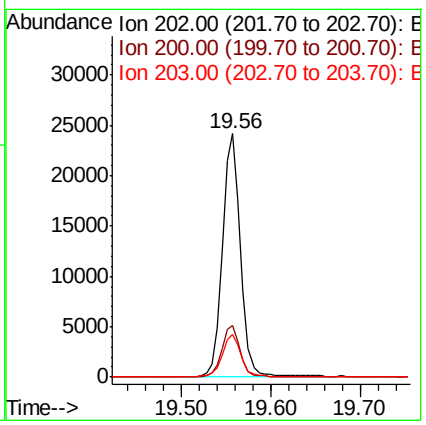
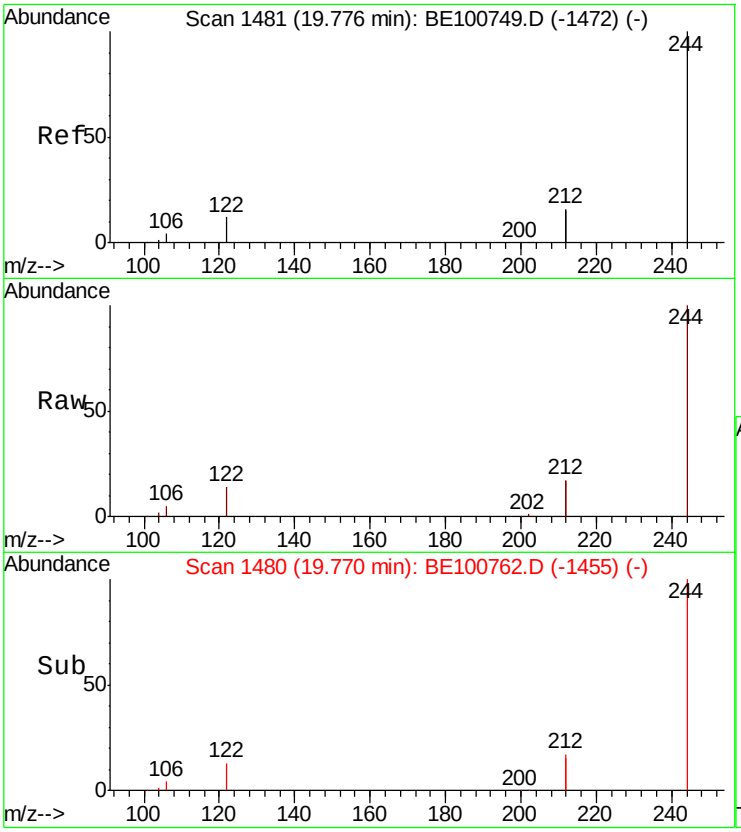


#28
Pyrene
Concen: 0.365 ng
RT: 19.56 min Scan# 1443
Delta R.T. 0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:202 Resp: 33170

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.6	24.8
203	17.6	14.0	21.0

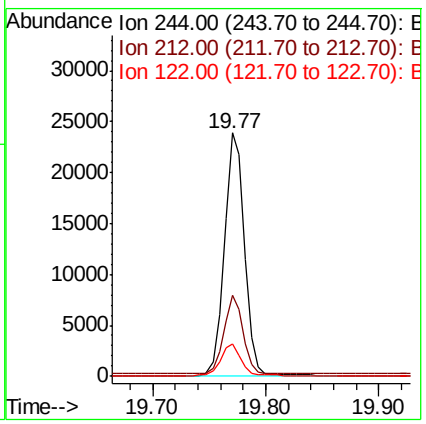




#29
Terphenyl-d14
Concen: 0.436 ng
RT: 19.77 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:244 Resp: 29525

Ion	Ratio	Lower	Upper
244	100		
212	33.0	25.2	37.8
122	13.5	9.8	14.6



Instrument :
BNA_E
ClientSampleId :
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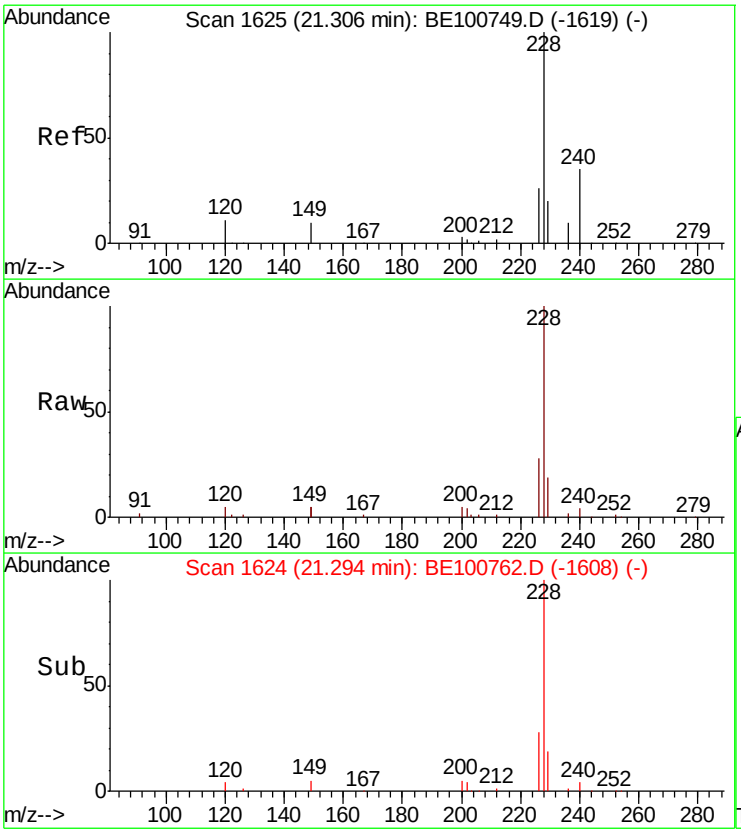
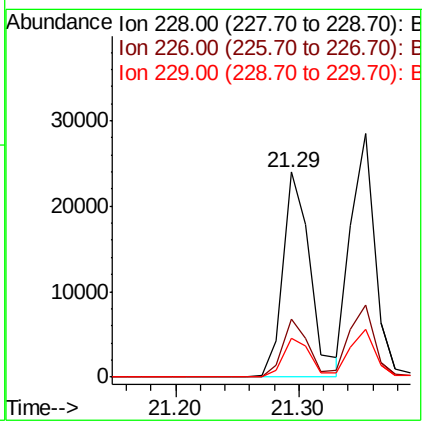
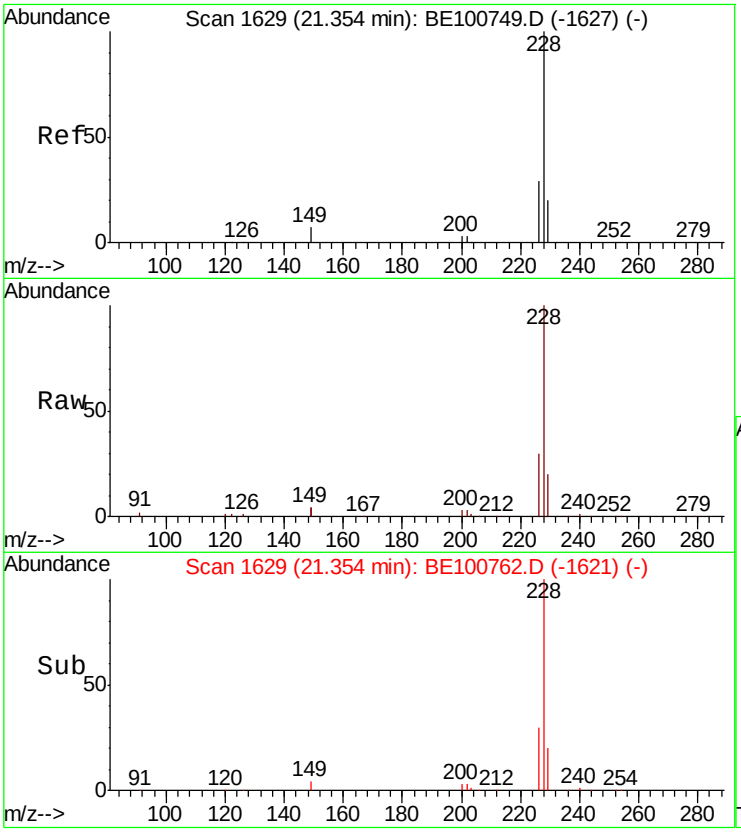


#30
Benzo(a)anthracene
Concen: 0.372 ng
RT: 21.29 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:228 Resp: 36865

Ion	Ratio	Lower	Upper
228	100		
226	28.1	20.7	31.1
229	18.9	16.2	24.2

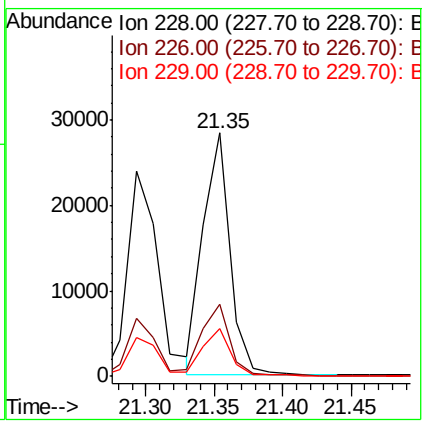




#31
Chrysene
Concen: 0.384 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:228 Resp: 38651

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.6
229	19.8	15.9	23.9



Instrument :
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ClientSampleId :
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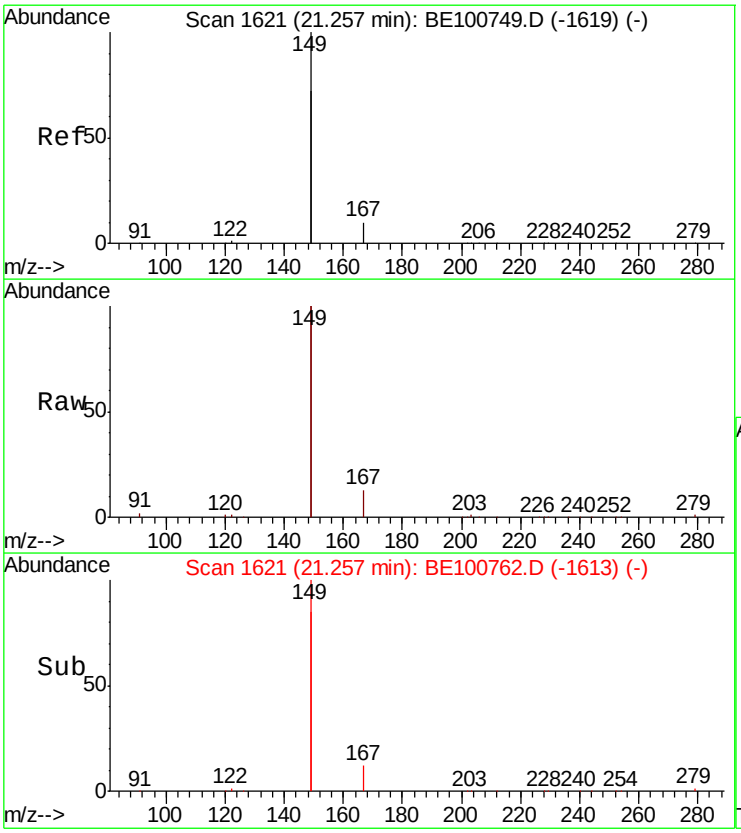
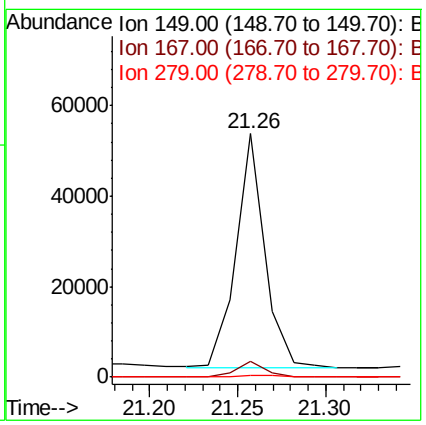
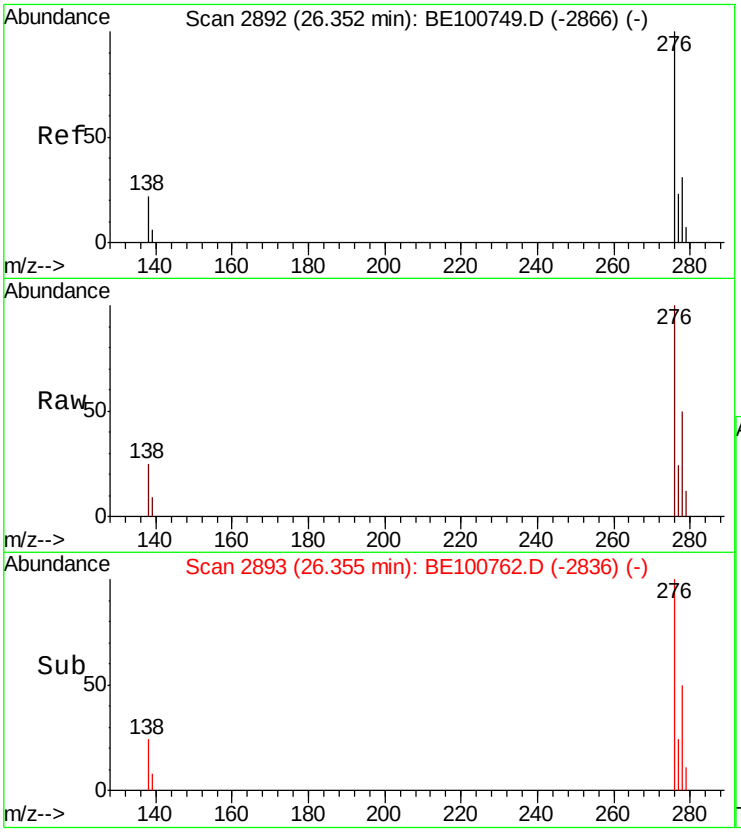


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.429 ng
RT: 21.26 min Scan# 1621
Delta R.T. 0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:149 Resp: 58288

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.5	8.3
279	0.8	0.7	1.1

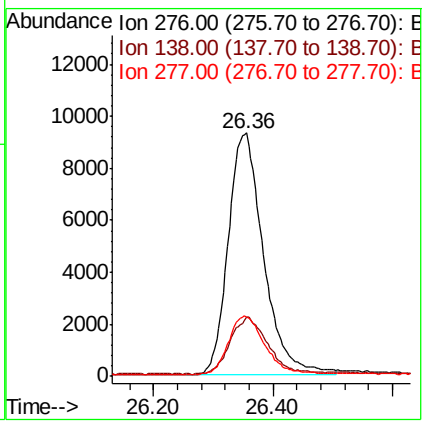




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.409 ng
RT: 26.36 min Scan# 2893
Delta R.T. 0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:276 Resp: 38262

Ion	Ratio	Lower	Upper
276	100		
138	25.0	19.8	29.6
277	24.6	19.7	29.5



Instrument :
BNA_E
ClientSampleId :
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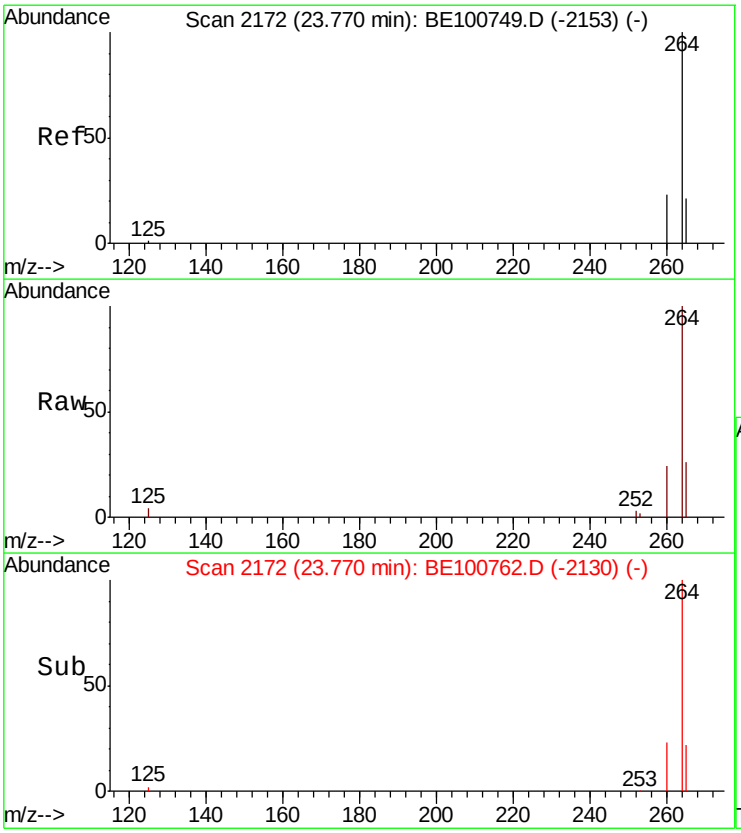
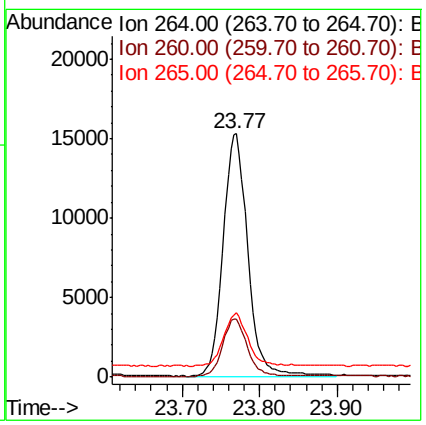
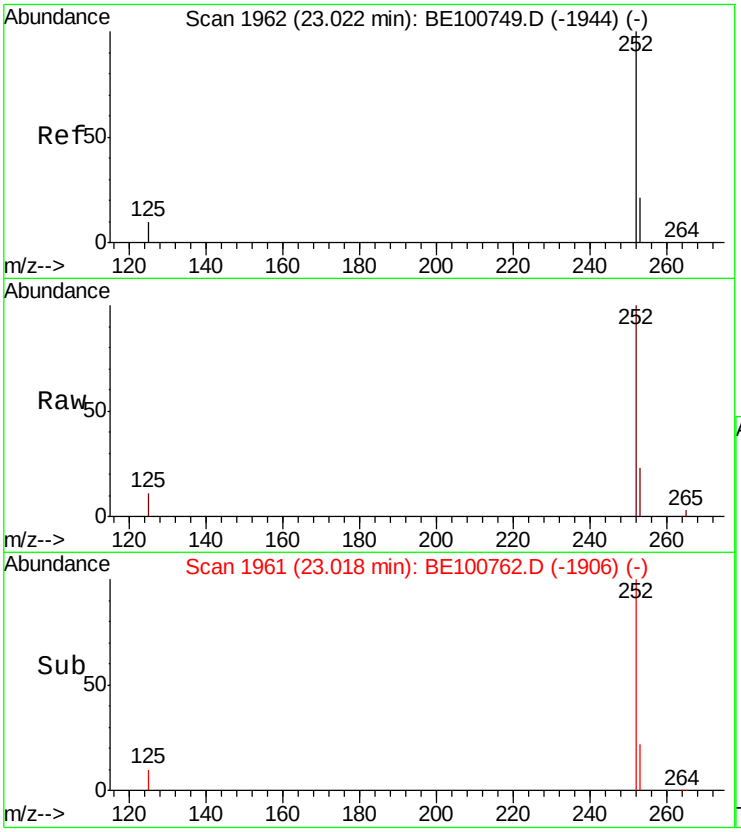


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.77 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:264 Resp: 33614

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.7	28.1
265	26.5	22.4	33.6

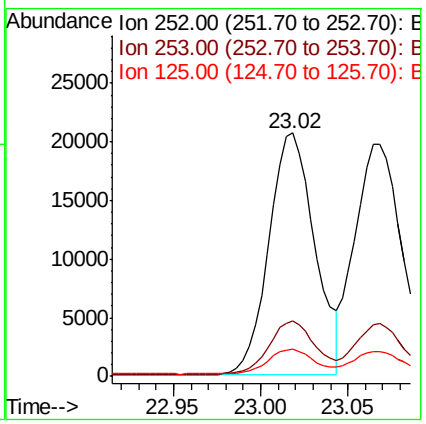




#35
Benzo(b)fluoranthene
Concen: 0.358 ng
RT: 23.02 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:252 Resp: 37754

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	11.0	9.1	13.7



Instrument :
BNA_E
ClientSampleId :
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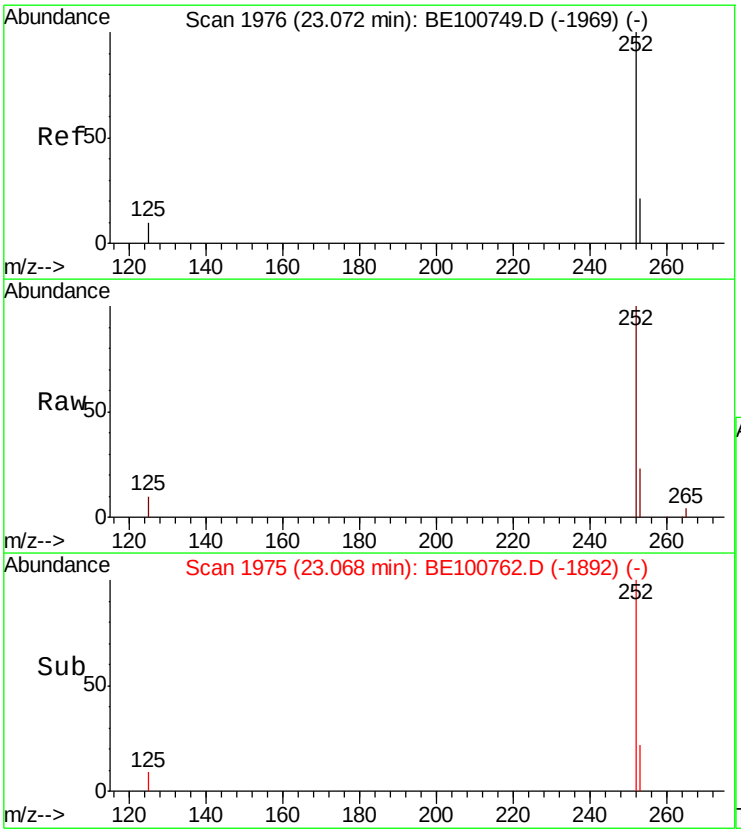
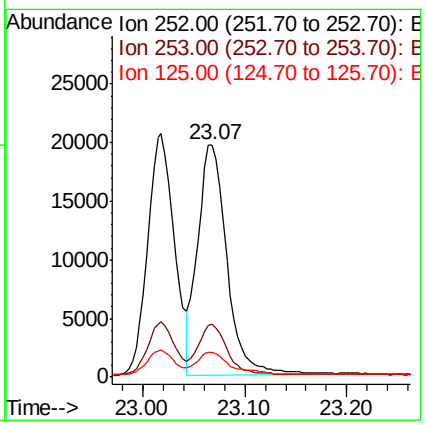
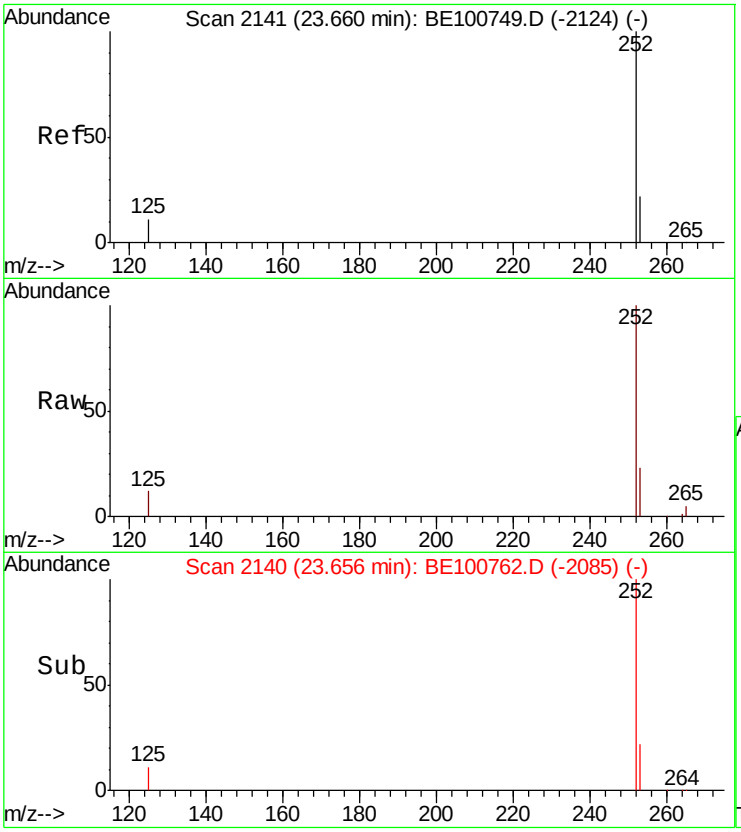


#36
Benzo(k)fluoranthene
Concen: 0.352 ng
RT: 23.07 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:252 Resp: 38687

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	10.5	9.0	13.4





#37
Benzo(a)pyrene
Concen: 0.346 ng
RT: 23.66 min Scan# 2140
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:252 Resp: 32164

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.3	27.5
125	12.3	10.5	15.7

Instrument :
BNA_E
ClientSampleId :
PB125011BS

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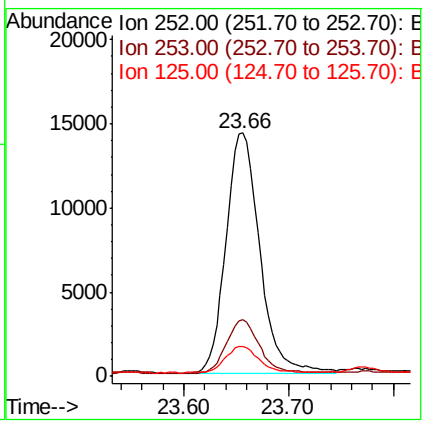
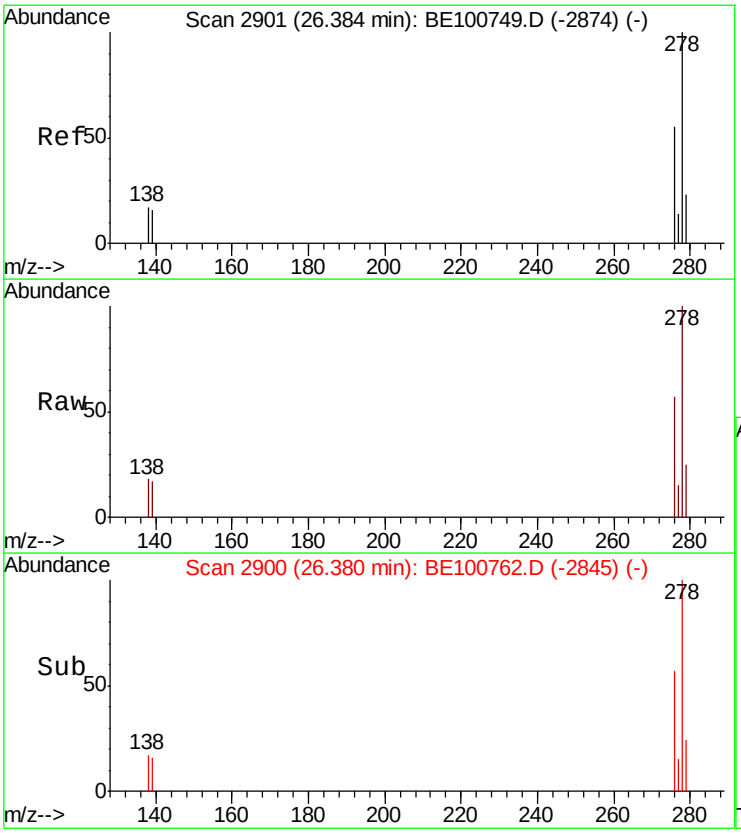
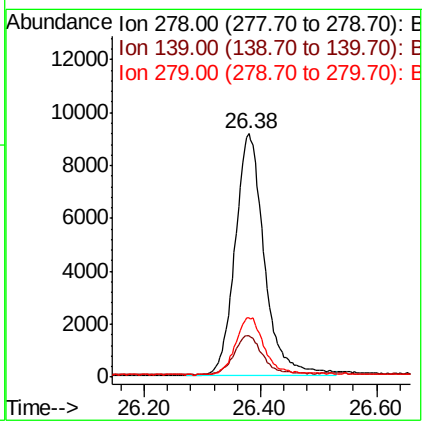


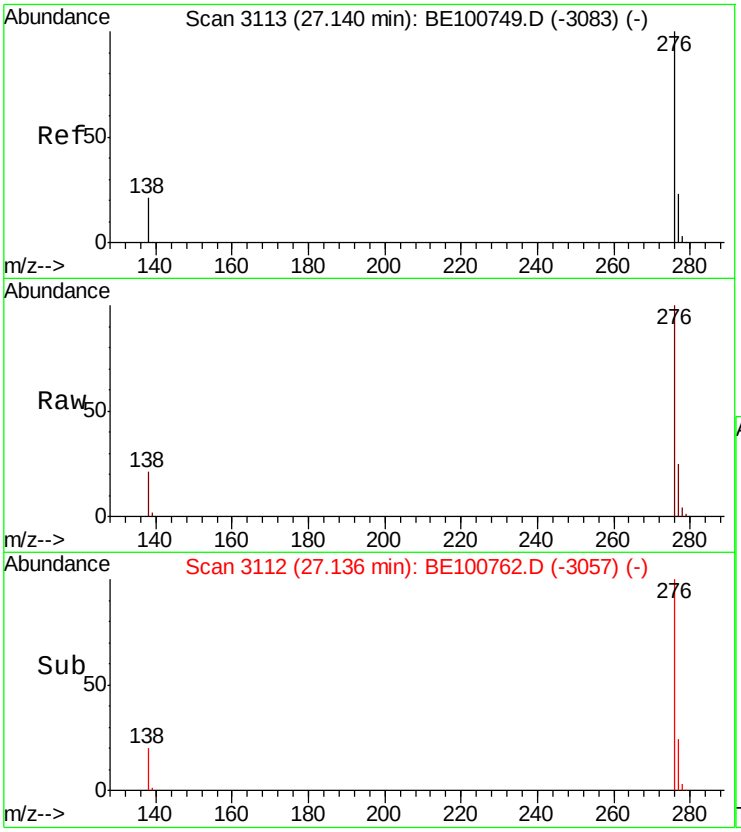


#38
Dibenzo(a,h)anthracene
Concen: 0.326 ng
RT: 26.38 min Scan# 2900
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:278 Resp: 31928

Ion	Ratio	Lower	Upper
278	100		
139	16.9	13.2	19.8
279	24.5	19.4	29.2

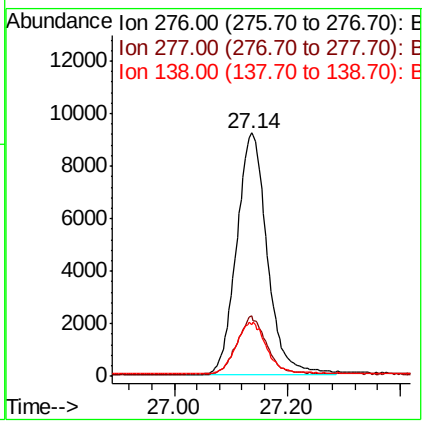




#39
Benzo(g,h,i)perylene
Concen: 0.373 ng
RT: 27.14 min Scan# 3112
Delta R.T. -0.00 min
Lab File: BE100762.D
Acq: 22 Nov 2019 17:33

Tgt Ion:276 Resp: 34575

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.9	28.3
138	21.1	17.8	26.8



Instrument :
BNA_E
ClientSampleId :
PB125011BS

Manual Integrations APPROVED
mohammad
11/25/2019 8:19:10 AM