Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071719\
Data File : BE100456.D
Acq On : 17 Jul 2019 19:31
Operator : HP/JU
Sample : K3818-01MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : HJDC-COMP3MS

Manual Integrations APPROVED
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7/19/2019 2:24:24 PM

Quant Time: Jul 18 02:19:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 16 14:03:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	5542	0.40	ng		0.00
7) Naphthalene-d8	10.68	136	23928	0.40	ng		0.00
13) Acenaphthene-d10	14.51	164	14563	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	32924	0.40	ng		0.01
27) Chrysene-d12	21.40	240	40213	0.40	ng		0.01
34) Perylene-d12	23.91	264	39442	0.40	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.47	112	3934	0.37	ng		0.00
5) Phenol-d6	7.05	99	5967	0.38	ng		0.00
8) Nitrobenzene-d5	9.03	82	4177	0.32	ng		0.00
11) 2-Methylnaphthalene-d10	12.27	152	6993m	0.19	ng		0.00
14) 2,4,6-Tribromophenol	15.98	330	1511	0.46	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	10634	0.16	ng		0.00
25) Fluoranthene-d10	19.26	212	76631	0.20	ng		0.00
29) Terphenyl-d14	19.86	244	15421	0.16	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.38	88	1794	0.147	ng	#	73
3) n-Nitrosodimethylamine	3.70	42	1489	0.310	ng	#	41
6) bis(2-Chloroethyl)ether	7.31	93	5279	0.335	ng		88
9) Naphthalene	10.73	128	507200	2.176	ng		100
10) Hexachlorobutadiene	11.03	225	2572	0.228	ng		98
12) 2-Methylnaphthalene	12.34	142	47962	1.231	ng		99
16) Acenaphthylene	14.24	152	99588	1.691	ng		99
17) Acenaphthene	14.57	154	107102	2.646	ng		96
18) Fluorene	15.54	166	156384	2.996	ng		98
20) 4-Bromophenyl-phenylether	16.44	248	4045	0.235	ng	#	76
21) Hexachlorobenzene	16.56	284	3774	0.188	ng	#	90
22) Pentachlorophenol	16.89	266	4805	1.190	ng		95
23) Phenanthrene	17.28	178	2031326	23.156	ng		98
24) Anthracene	17.38	178	536945	7.416	ng		97
26) Fluoranthene	19.29	202	3553175	31.869	ng		98
28) Pyrene	19.66	202	3416475	29.042	ng	#	90
30) Benzo(a)anthracene	21.39	228	2160283	19.794	ng		95
31) Chrysene	21.44	228	1707979	13.178	ng		96
32) Bis(2-ethylhexyl)phthalate	21.32	149	283200	3.618	ng		97
33) Indeno(1,2,3-cd)pyrene	26.57	276	1015518	8.813	ng		97
35) Benzo(b)fluoranthene	23.15	252	2141672	17.772	ng		97
36) Benzo(k)fluoranthene	23.19	252	755694m	5.926	ng		
37) Benzo(a)pyrene	23.80	252	1695892	17.114	ng		97
38) Dibenzo(a,h)anthracene	26.58	278	284974	2.697	ng	#	86
39) Benzo(g,h,i)perylene	27.39	276	1013544	9.173	ng		98

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

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Instrument :
BNA_E
ClientSampleId :
HJDC-COMP3MS

Manual Integrations APPROVED
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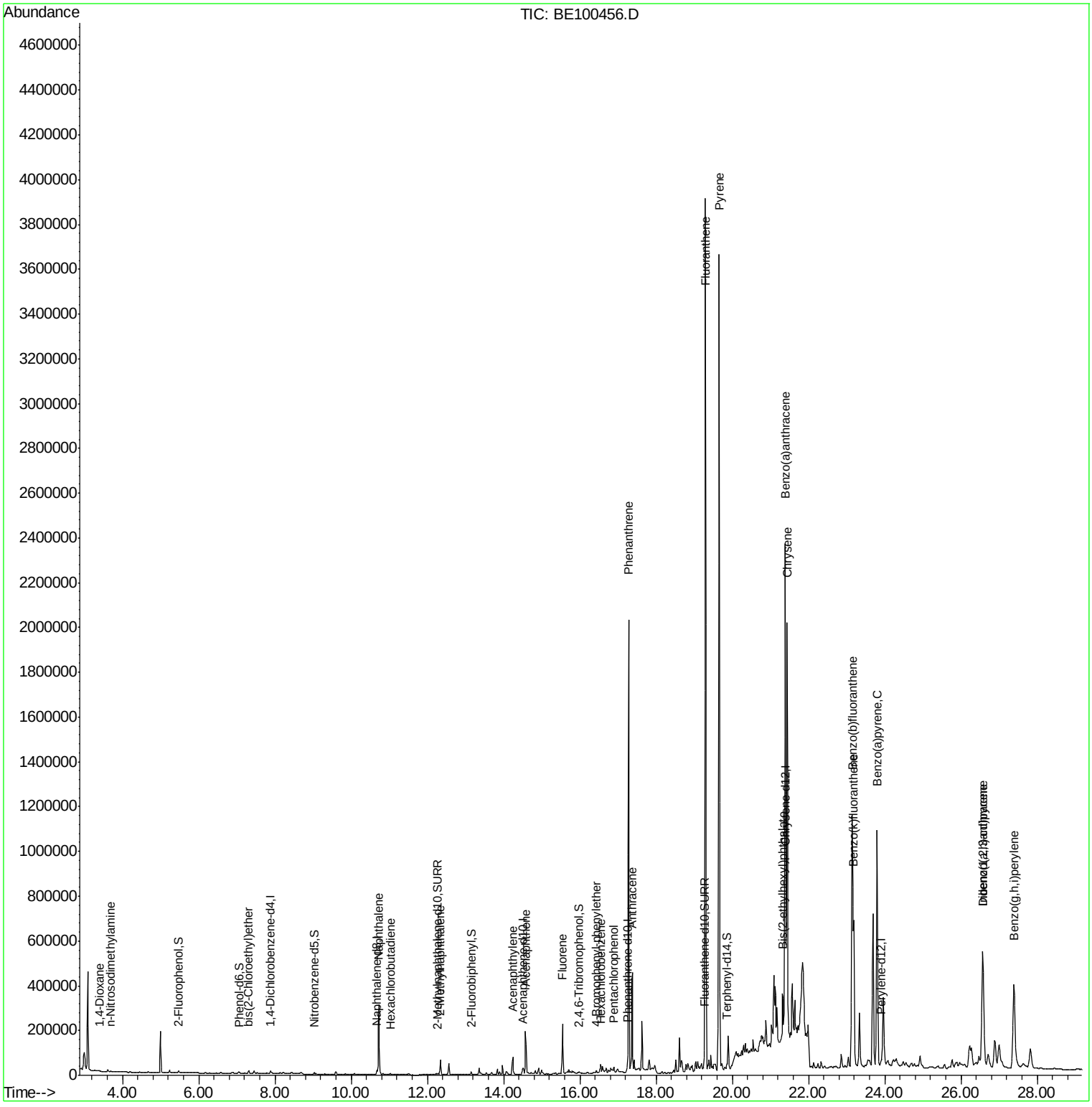
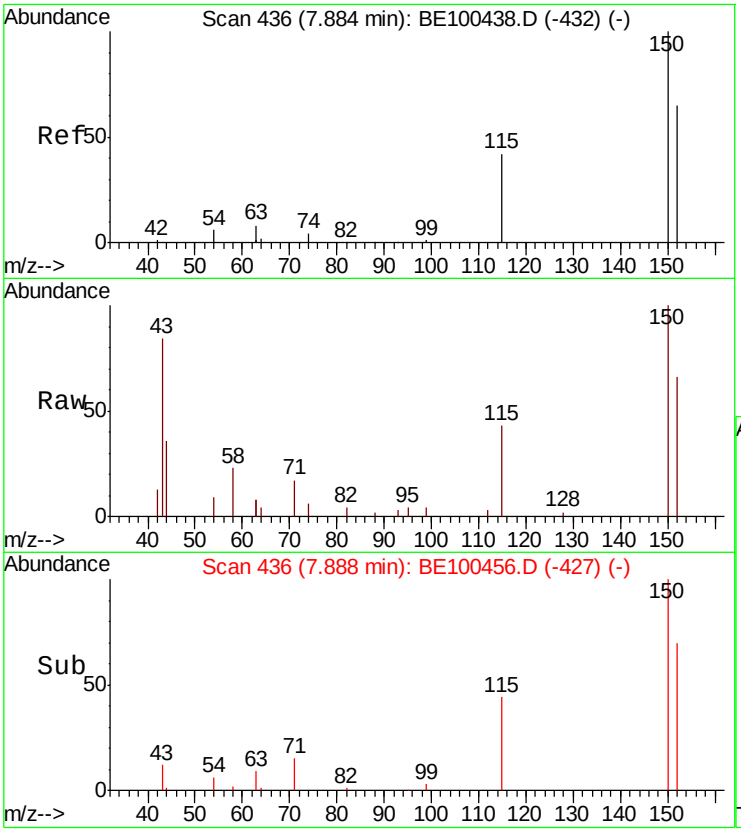
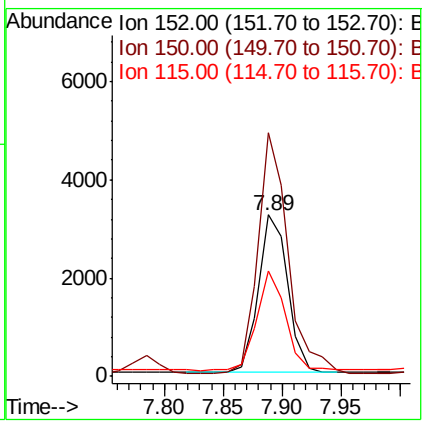




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.89 min Scan# 436
Delta R.T. 0.00 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:152 Resp: 5542

Ion	Ratio	Lower	Upper
152	100		
150	151.1	121.7	182.5
115	65.4	52.4	78.6



Instrument :
BNA_E
ClientSampleId :
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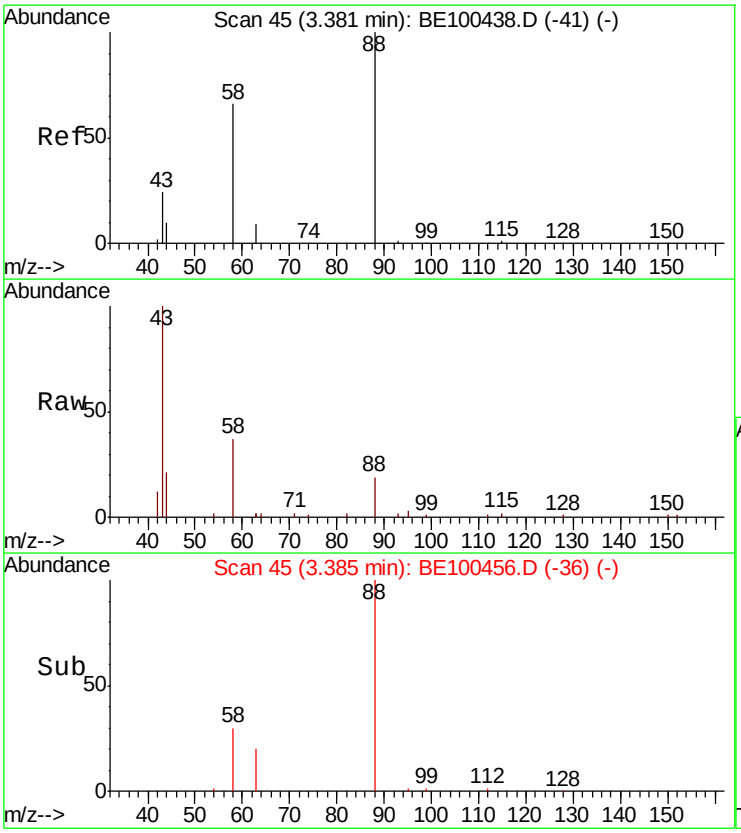
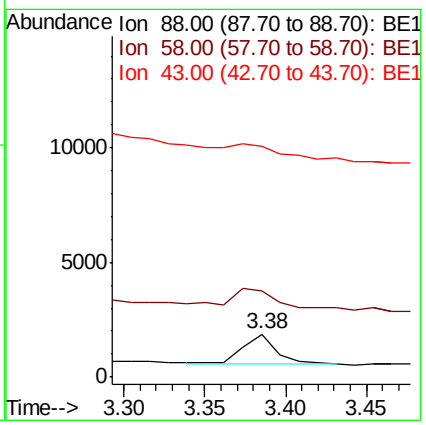
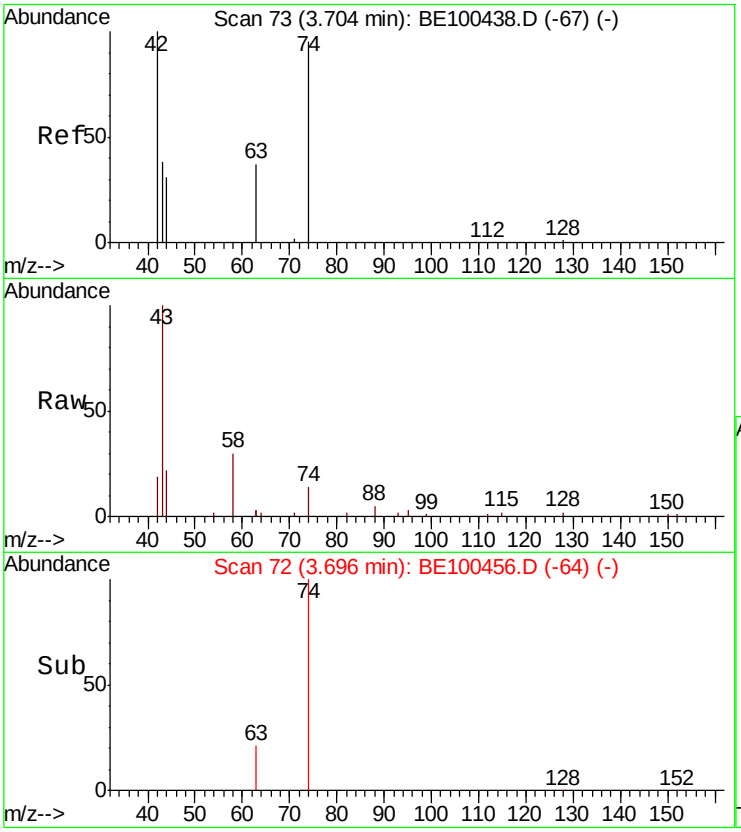


#2
1,4-Dioxane
Concen: 0.147 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion: 88 Resp: 1794

Ion	Ratio	Lower	Upper
88	100		
58	83.6	57.8	86.8
43	0.0	25.0	37.6#

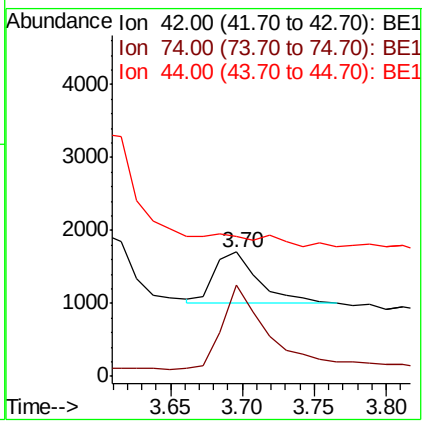




#3
n-Nitrosodimethylamine
Concen: 0.310 ng
RT: 3.70 min Scan# 72
Delta R.T. -0.01 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion: 42 Resp: 1489

Ion	Ratio	Lower	Upper
42	100		
74	169.3	85.3	127.9#
44	0.0	21.8	32.8#



Instrument :
BNA_E
ClientSampleId :
HJDC-COMP3MS

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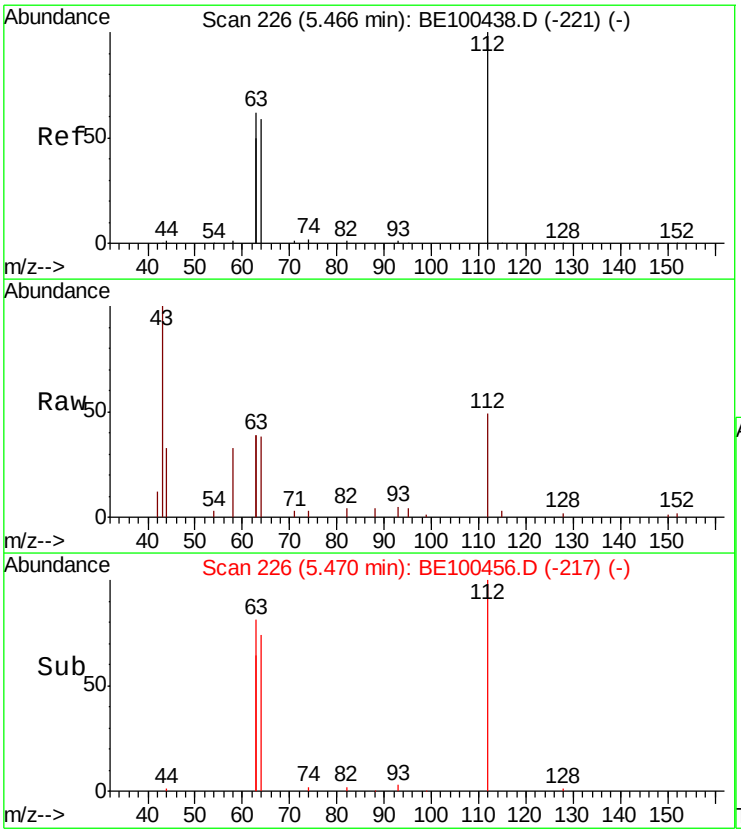
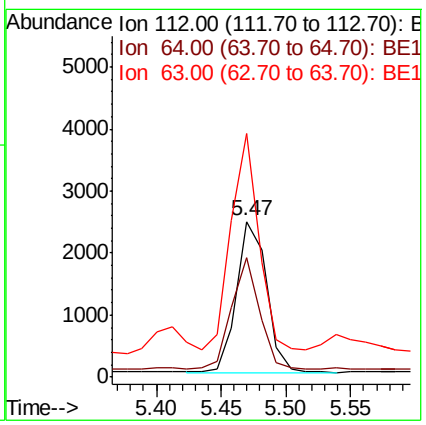
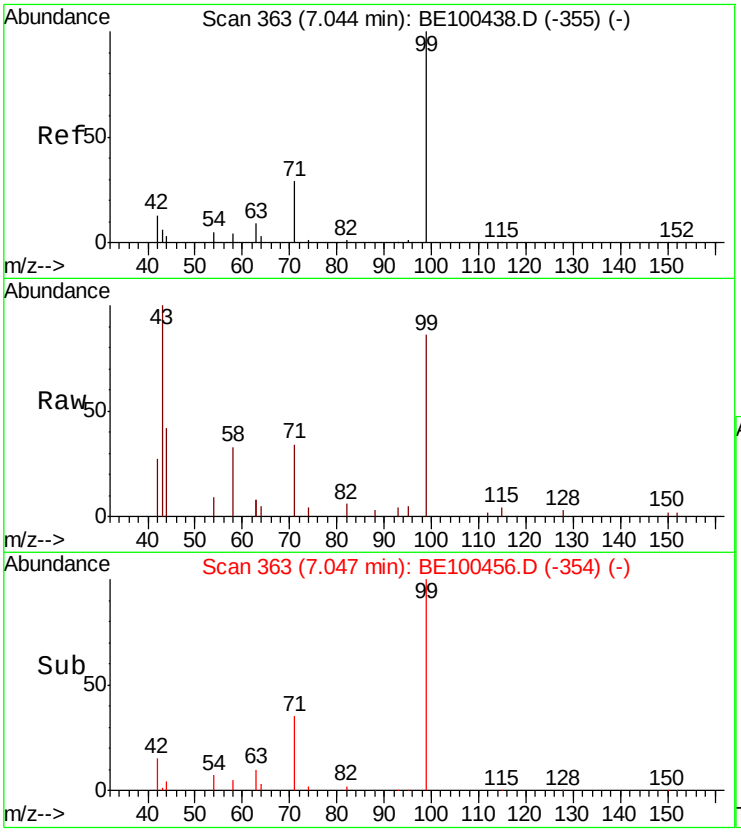


#4
2-Fluorophenol
Concen: 0.373 ng
RT: 5.47 min Scan# 226
Delta R.T. 0.00 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:112 Resp: 3934

Ion	Ratio	Lower	Upper
112	100		
64	69.0	55.0	82.4
63	133.1	114.8	172.2

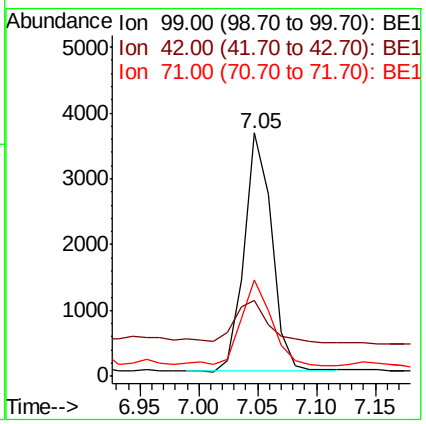




#5
Phenol-d6
Concen: 0.383 ng
RT: 7.05 min Scan# 363
Delta R.T. 0.00 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion: 99 Resp: 5967

Ion	Ratio	Lower	Upper
99	100		
42	24.5	17.4	26.2
71	40.0	28.2	42.4



Instrument :
BNA_E
ClientSampleId :
HJDC-COMP3MS

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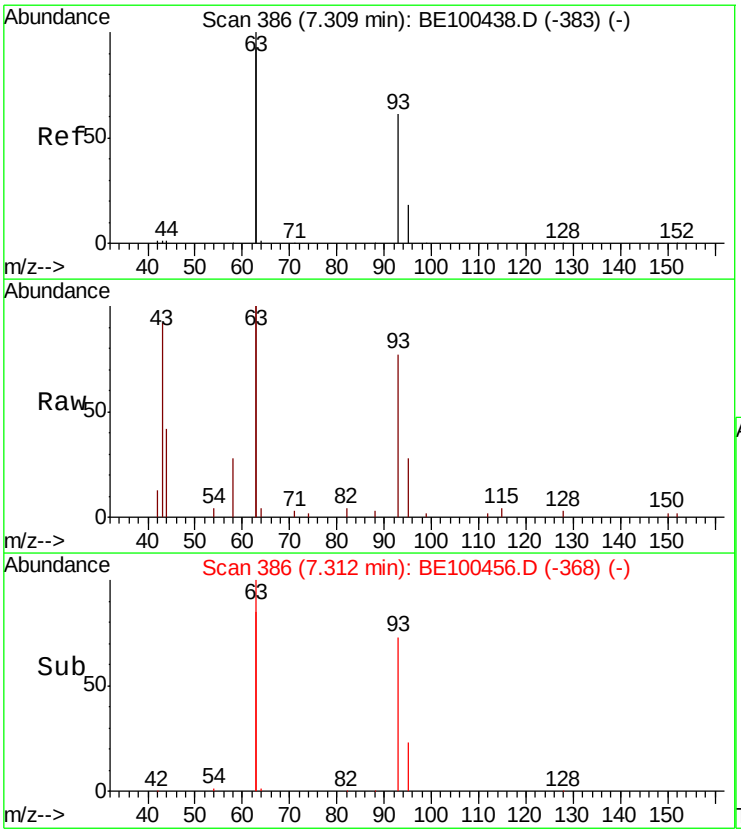
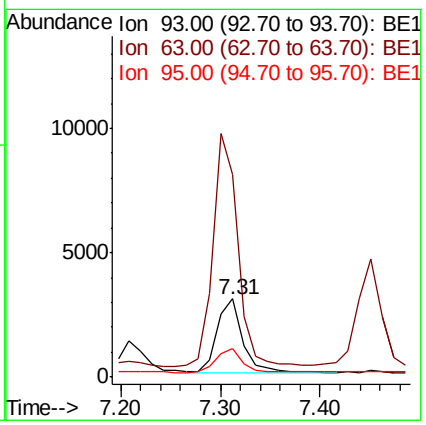
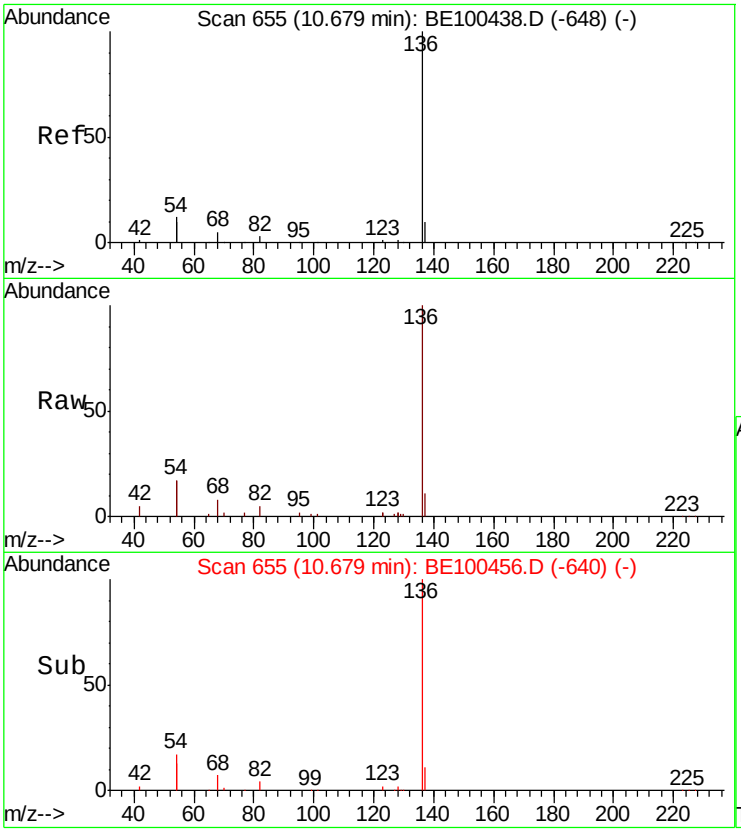


#6
bis(2-Chloroethyl)ether
Concen: 0.335 ng
RT: 7.31 min Scan# 386
Delta R.T. 0.00 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion: 93 Resp: 5279

Ion	Ratio	Lower	Upper
93	100		
63	307.0	266.9	400.3
95	33.6	26.8	40.2

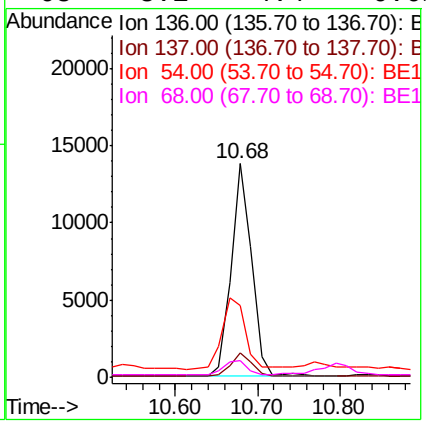




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.68 min Scan# 655
Delta R.T. -0.00 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:136 Resp: 23928

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	33.4	19.6	29.4#
68	8.1	4.4	6.6#



Instrument :
BNA_E
ClientSampleId :
HJDC-COMP3MS

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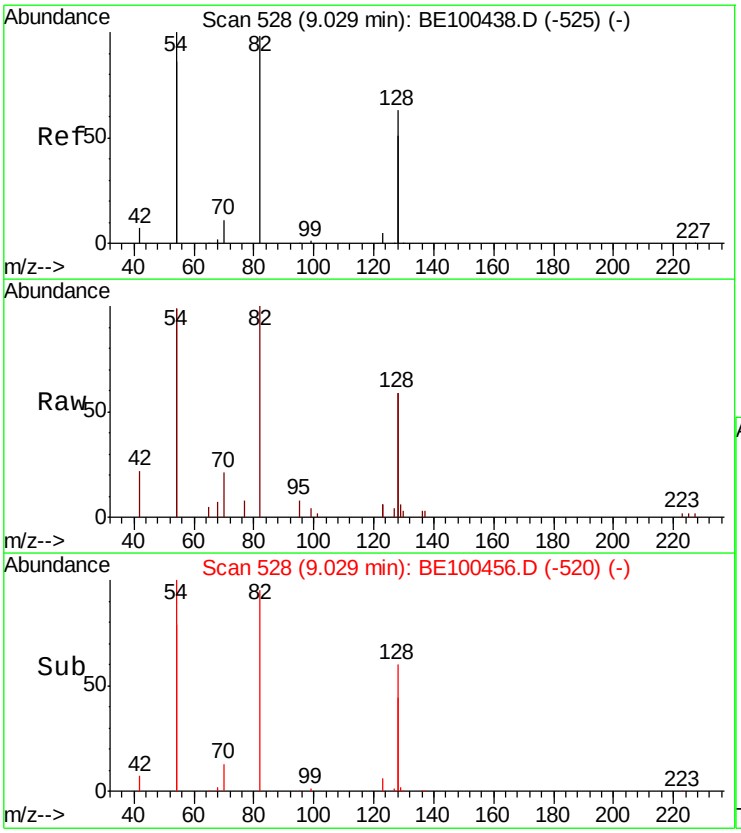
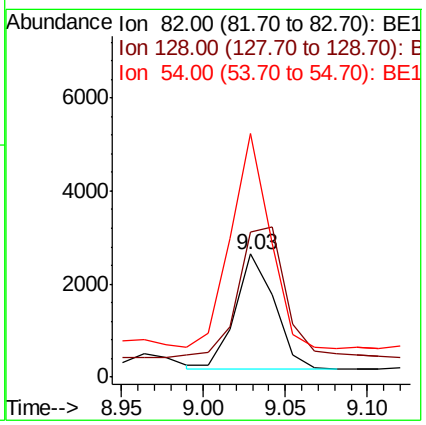
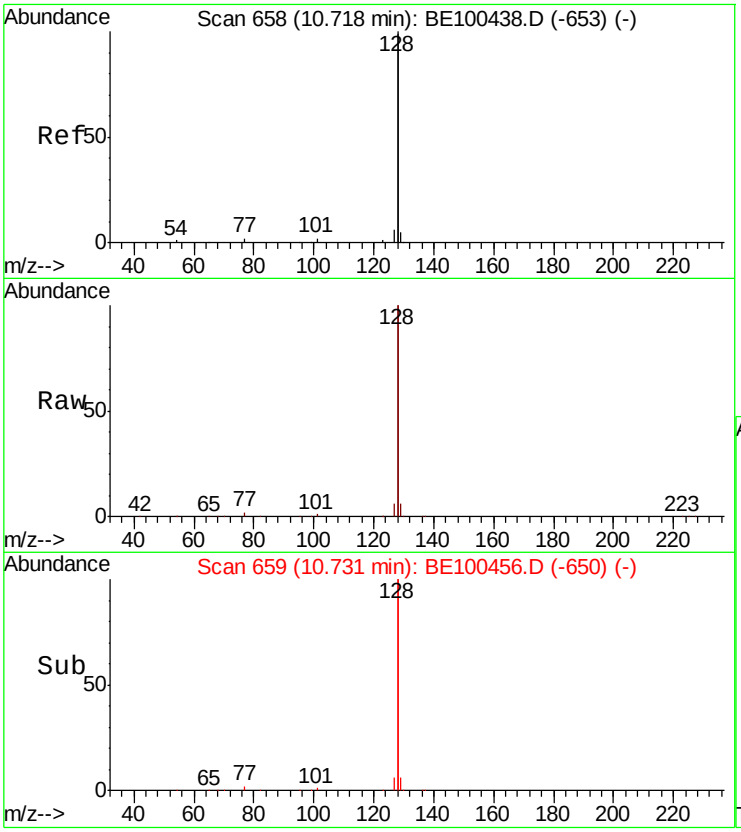


#8
Nitrobenzene-d5
Concen: 0.316 ng
RT: 9.03 min Scan# 528
Delta R.T. -0.00 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion: 82 Resp: 4177

Ion	Ratio	Lower	Upper
82	100		
128	118.2	97.9	146.9
54	198.0	155.0	232.6

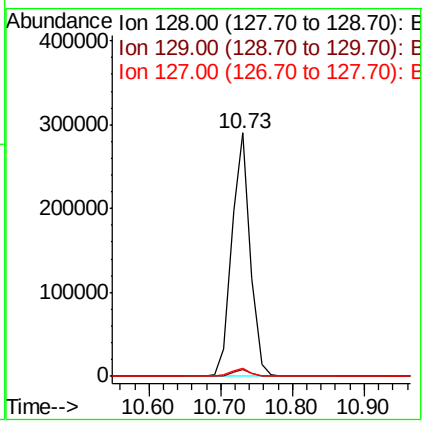




#9
Naphthalene
Concen: 2.176 ng
RT: 10.73 min Scan# 659
Delta R.T. 0.01 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:128 Resp: 507200

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.2	3.4
127	3.2	2.7	4.1



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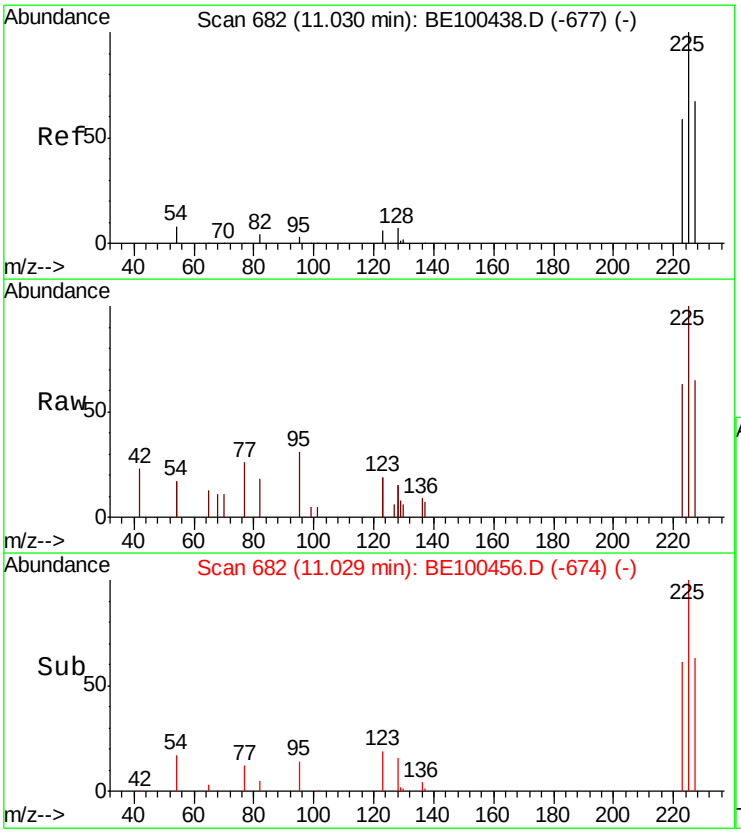
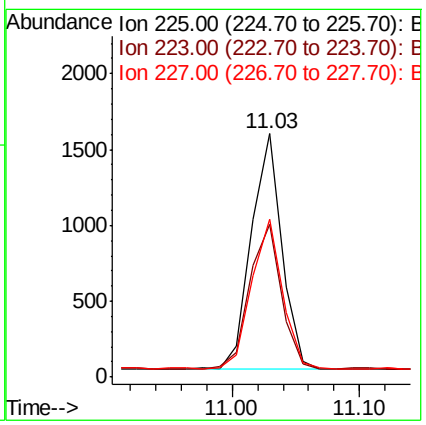
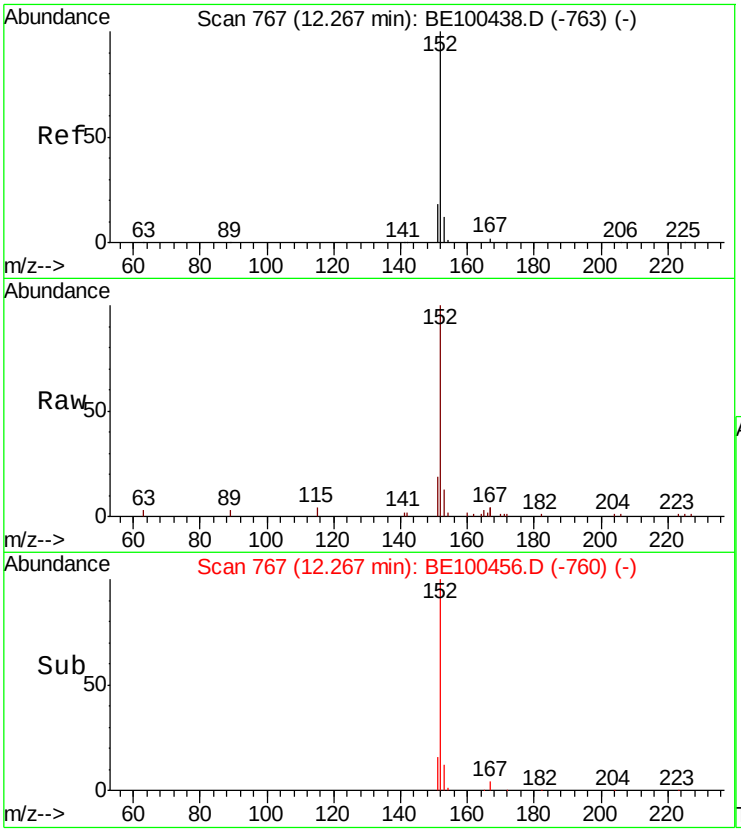


#10
Hexachlorobutadiene
Concen: 0.228 ng
RT: 11.03 min Scan# 682
Delta R.T. -0.00 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:225 Resp: 2572

Ion	Ratio	Lower	Upper
225	100		
223	63.9	49.8	74.8
227	64.1	52.3	78.5

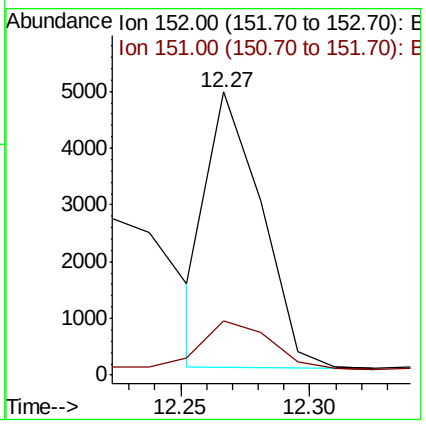




#11
2-Methylnaphthalene-d10
Concen: 0.193 ng m
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:152 Resp: 6993

Ion	Ratio	Lower	Upper
152	100		
151	23.5	16.0	24.0



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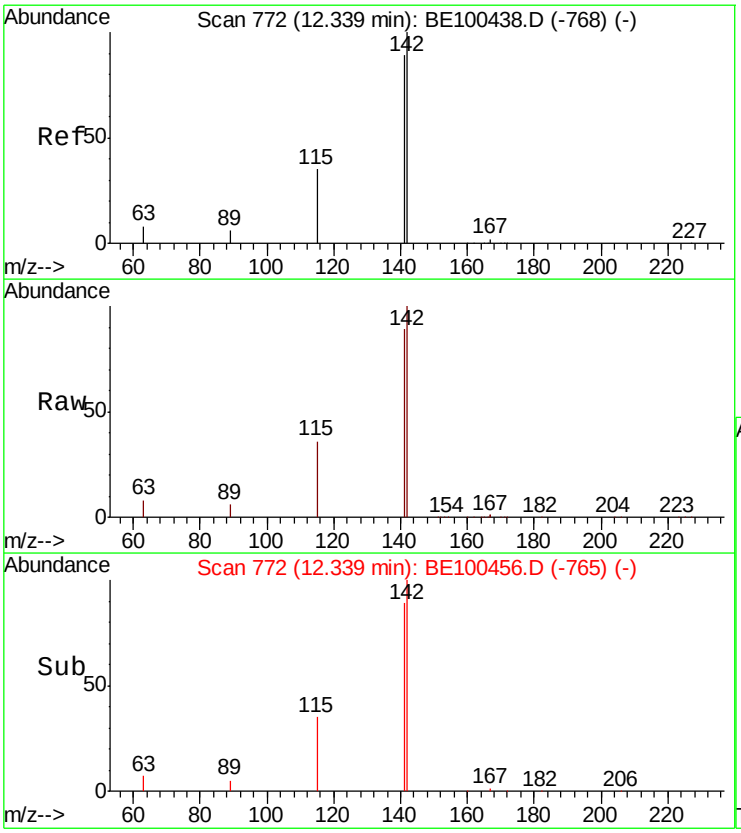
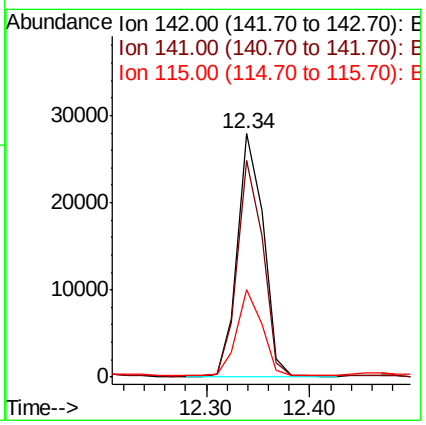
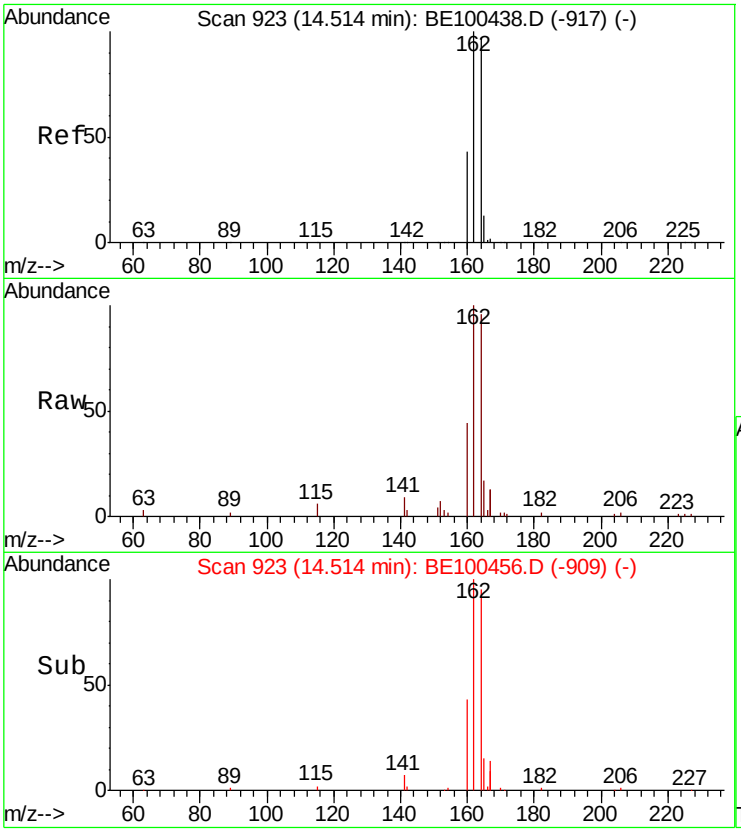


#12
2-Methylnaphthalene
Concen: 1.231 ng
RT: 12.34 min Scan# 772
Delta R.T. -0.00 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:142 Resp: 47962

Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.9	106.3
115	35.8	29.0	43.4

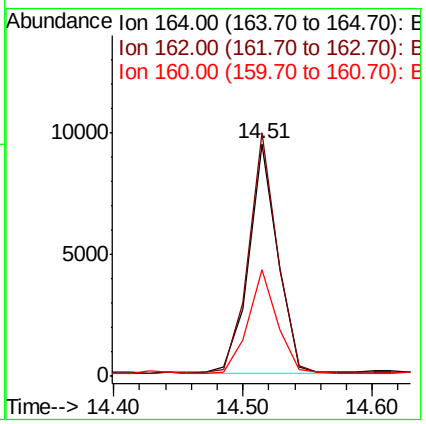




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:164 Resp: 14563

Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.6	124.0
160	45.9	35.6	53.4



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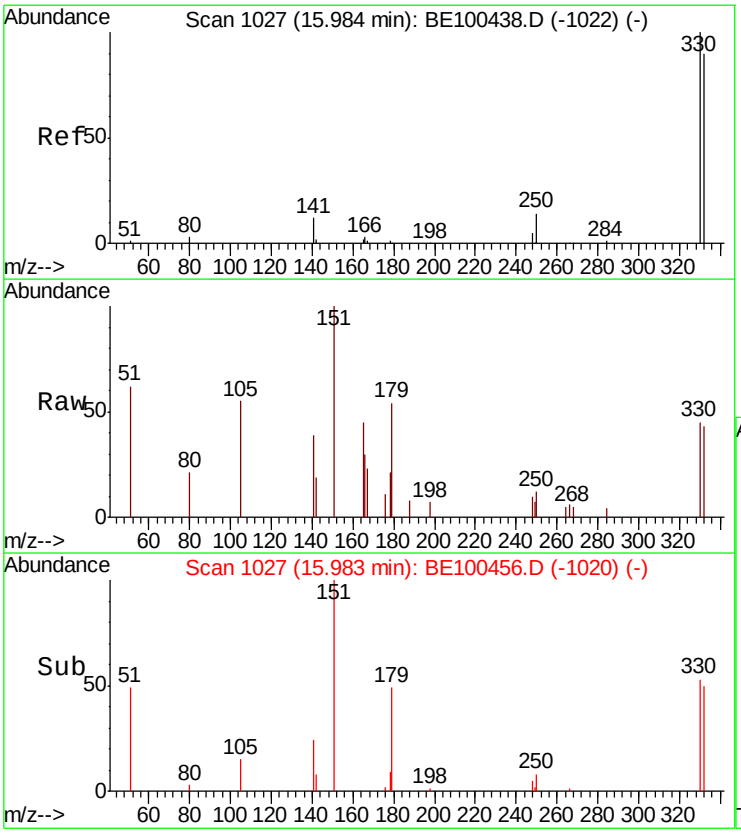
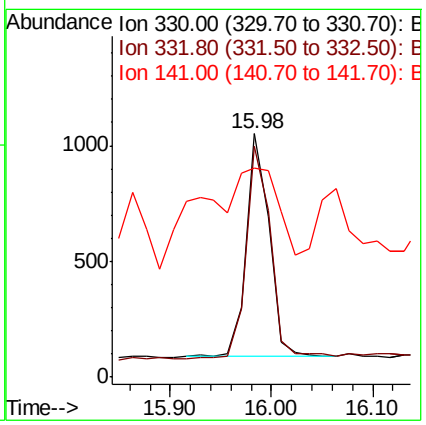
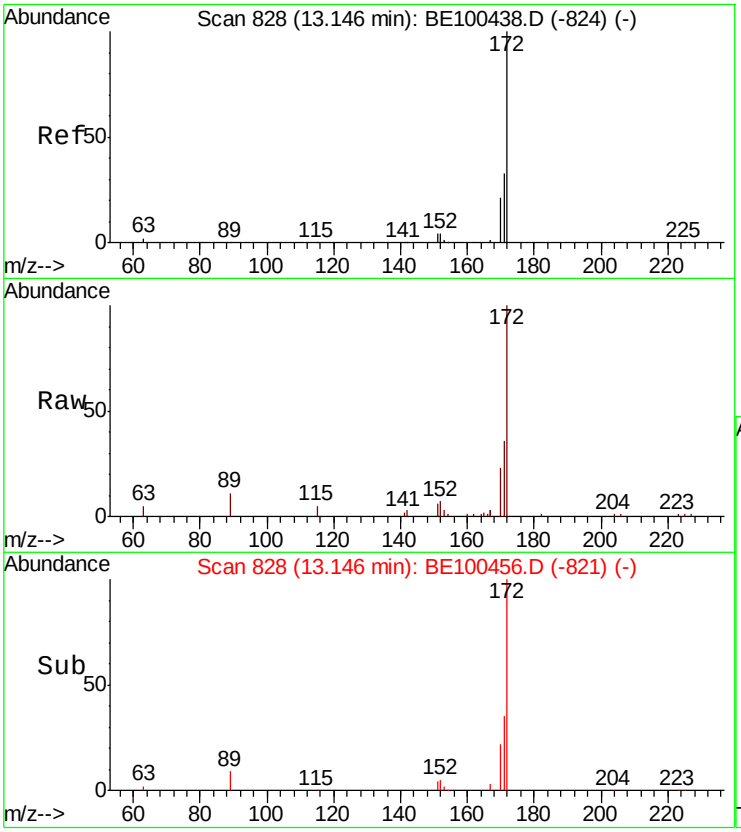


#14
2,4,6-Tribromophenol
Concen: 0.459 ng
RT: 15.98 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:330 Resp: 1511

Ion	Ratio	Lower	Upper
330	100		
332	103.4	76.3	114.5
141	68.3	28.1	42.1#

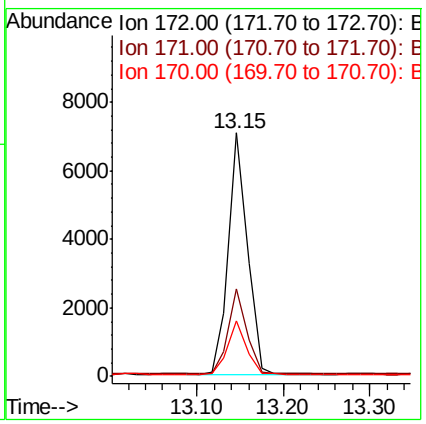




#15
2-Fluorobiphenyl
Concen: 0.163 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:172 Resp: 10634

Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.0	40.4
170	22.9	17.4	26.0



Instrument :
BNA_E
ClientSampleId :
HJDC-COMP3MS

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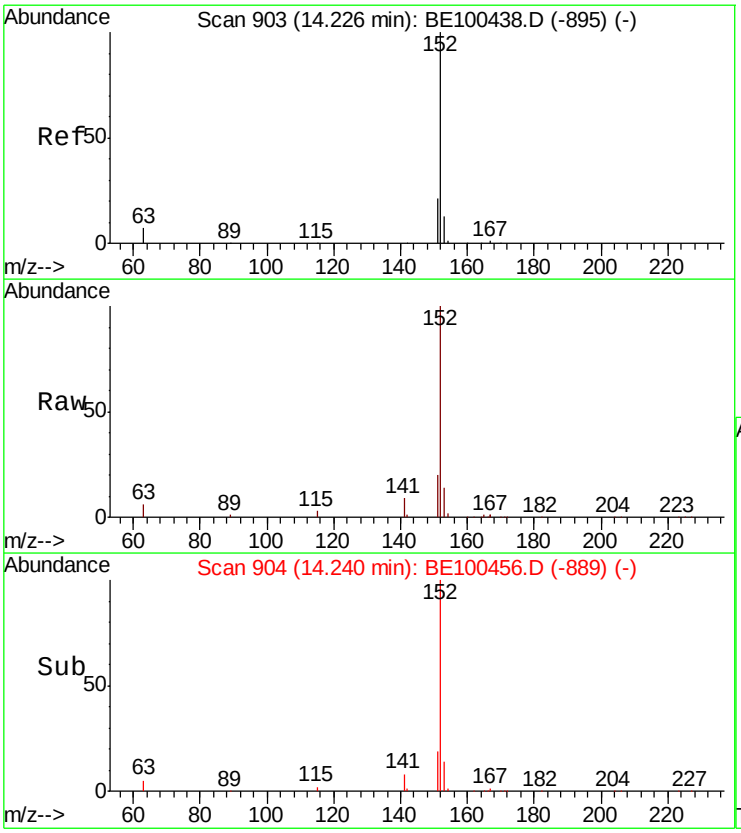
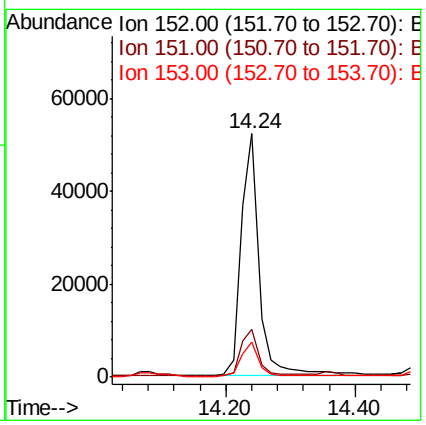
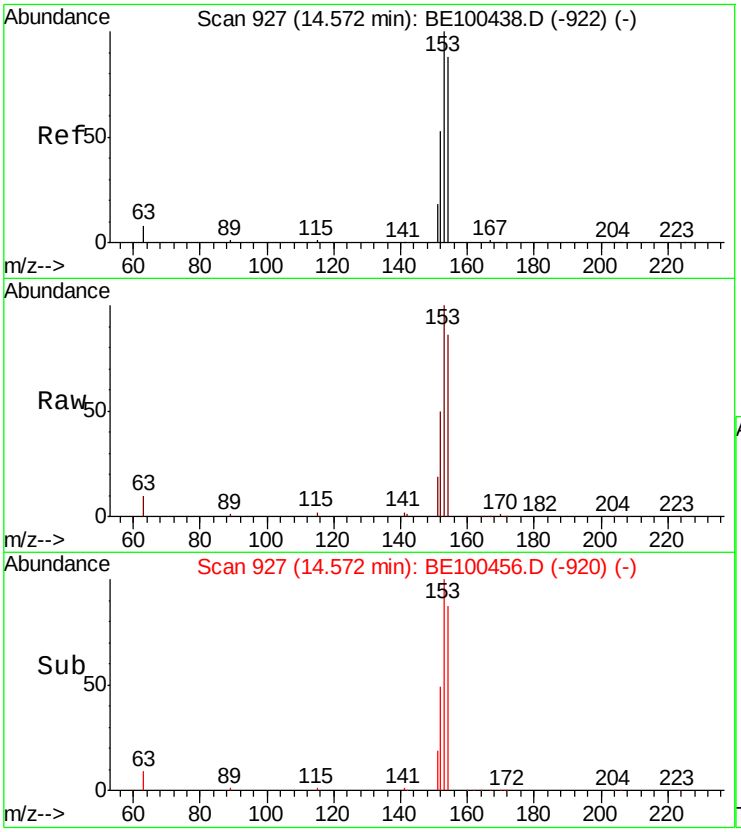


#16
Acenaphthylene
Concen: 1.691 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.01 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:152 Resp: 99588

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	14.2	10.4	15.6

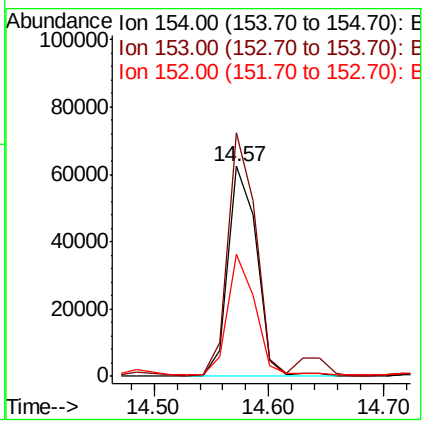




#17
Acenaphthene
Concen: 2.646 ng
RT: 14.57 min Scan# 927
Delta R.T. -0.00 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:154 Resp: 107102

Ion	Ratio	Lower	Upper
154	100		
153	112.4	91.0	136.4
152	54.6	49.4	74.2



Instrument :
BNA_E
ClientSampleId :
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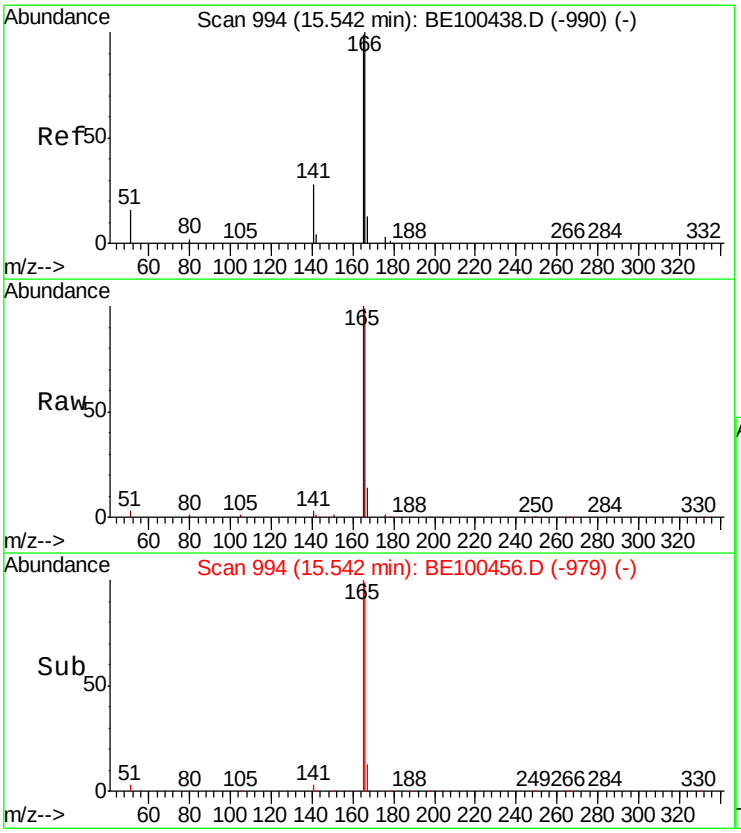
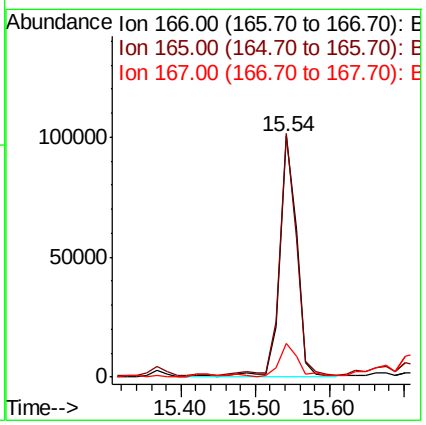
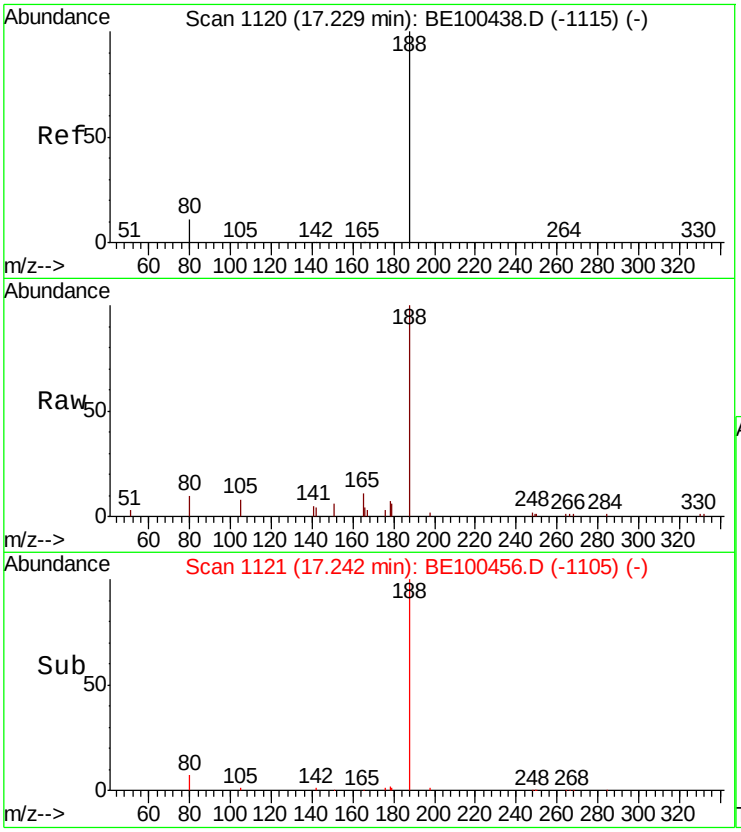


#18
Fluorene
Concen: 2.996 ng
RT: 15.54 min Scan# 994
Delta R.T. -0.00 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:166 Resp: 156384

Ion	Ratio	Lower	Upper
166	100		
165	100.9	79.6	119.4
167	14.7	10.6	15.8

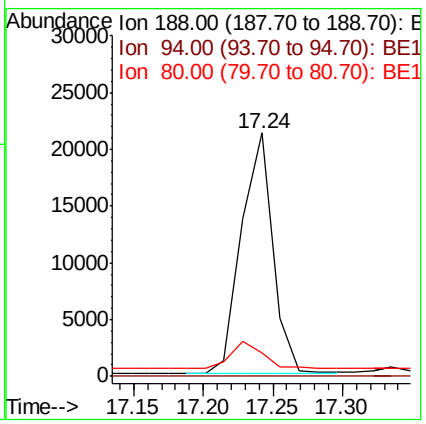




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:188 Resp: 32924

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.9	9.2	13.8



Instrument :
BNA_E
ClientSampleId :
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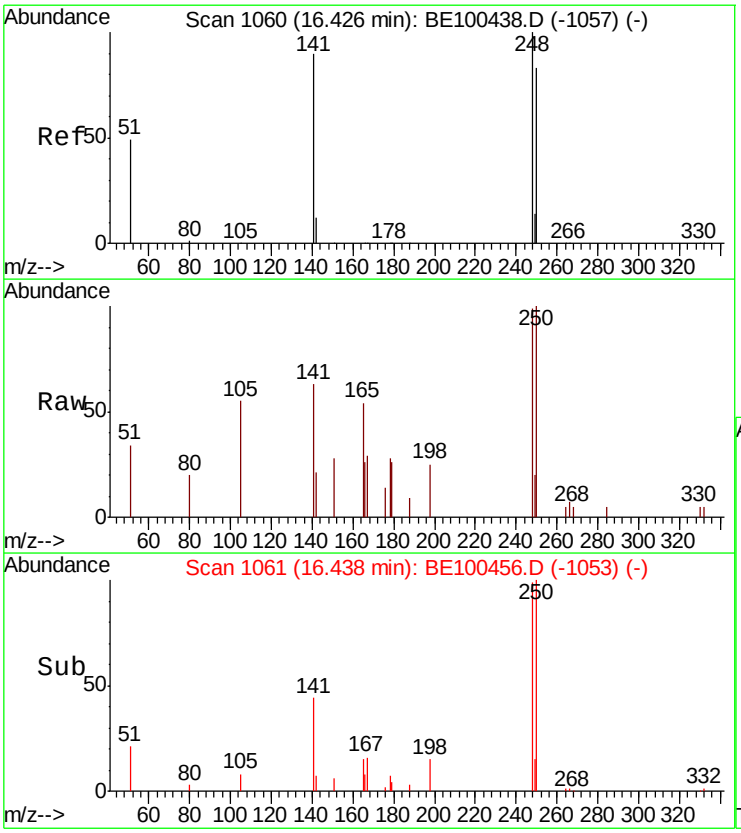
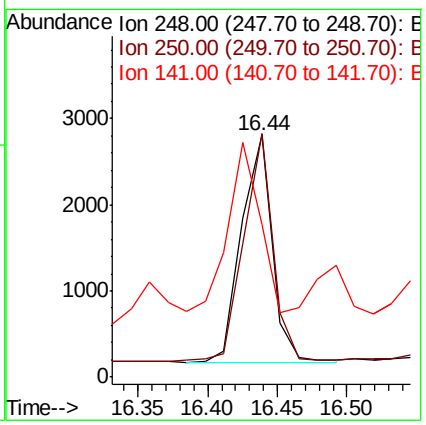
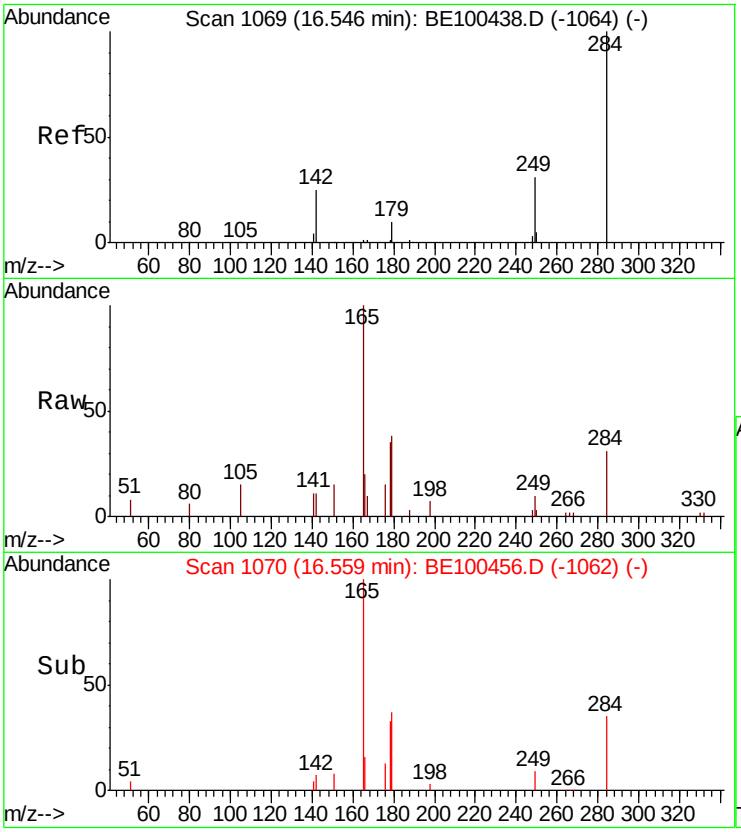


#20
4-Bromophenyl-phenylether
Concen: 0.235 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.01 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:248 Resp: 4045

Ion	Ratio	Lower	Upper
248	100		
250	100.7	67.1	100.7#
141	63.0	72.2	108.2#

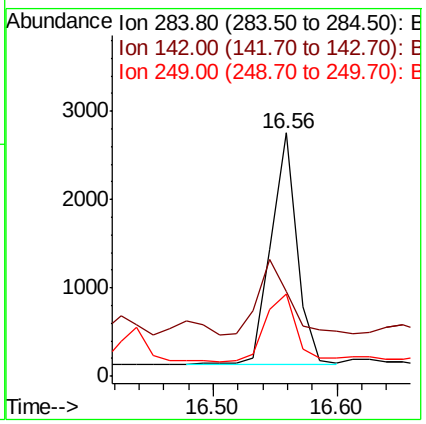




#21
Hexachlorobenzene
Concen: 0.188 ng
RT: 16.56 min Scan# 1070
Delta R.T. 0.01 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:284 Resp: 3774

Ion	Ratio	Lower	Upper
284	100		
142	38.7	25.6	38.4#
249	35.3	25.1	37.7



Instrument :
BNA_E
ClientSampleId :
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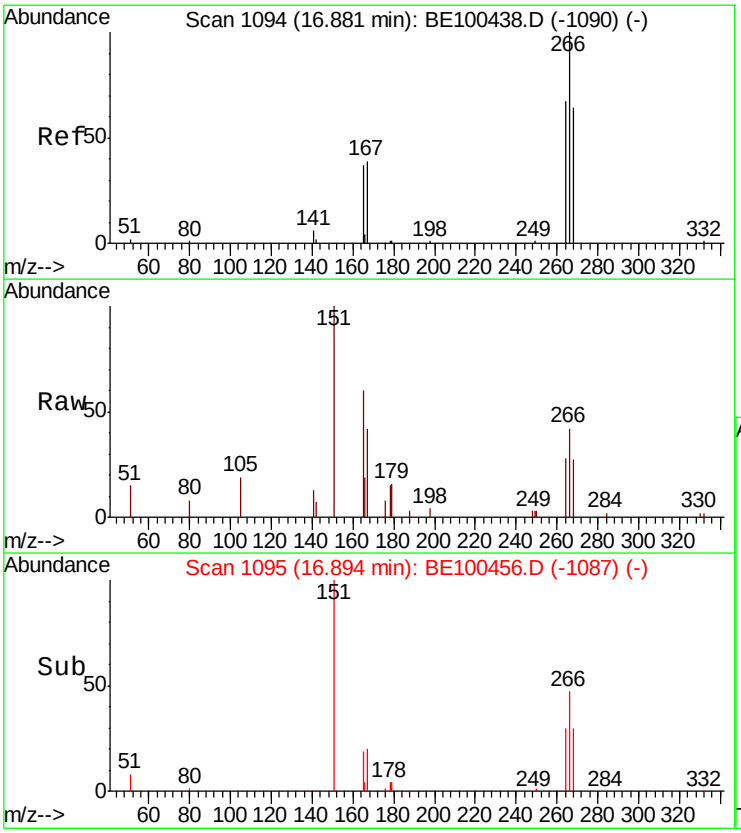
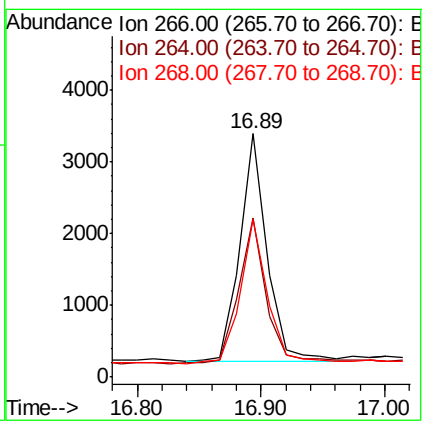
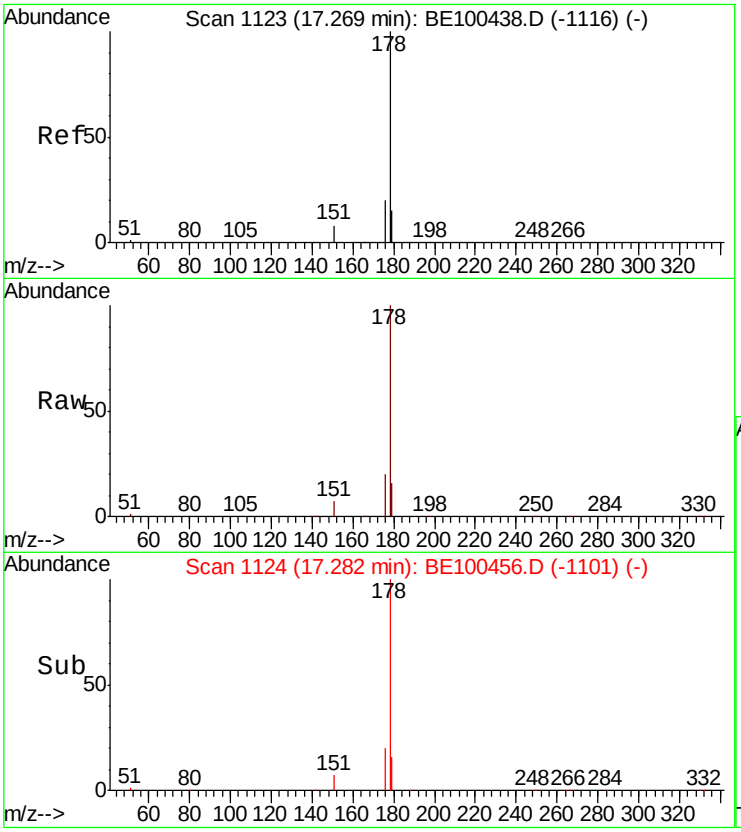


#22
Pentachlorophenol
Concen: 1.190 ng
RT: 16.89 min Scan# 1095
Delta R.T. 0.01 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:266 Resp: 4805

Ion	Ratio	Lower	Upper
266	100		
264	65.6	56.2	84.2
268	64.9	54.9	82.3

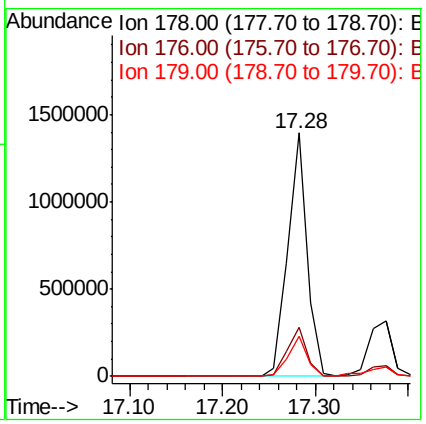




#23
Phenanthrene
Concen: 23.156 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:178 Resp: 2031326

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.5	23.3
179	16.2	12.4	18.6



Instrument :
BNA_E
ClientSampleId :
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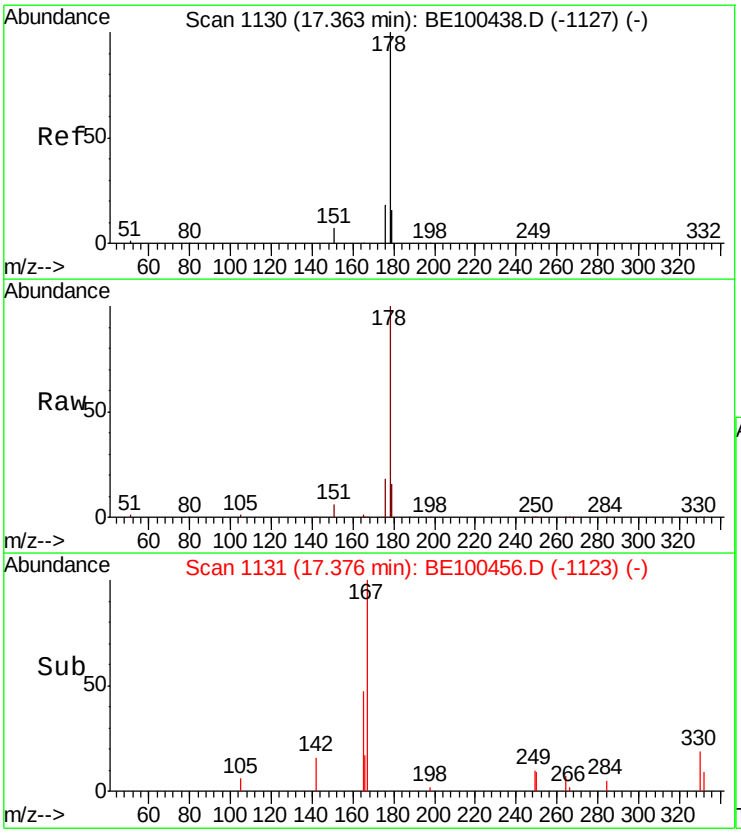
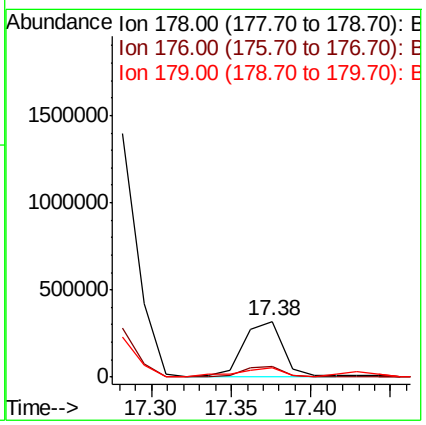
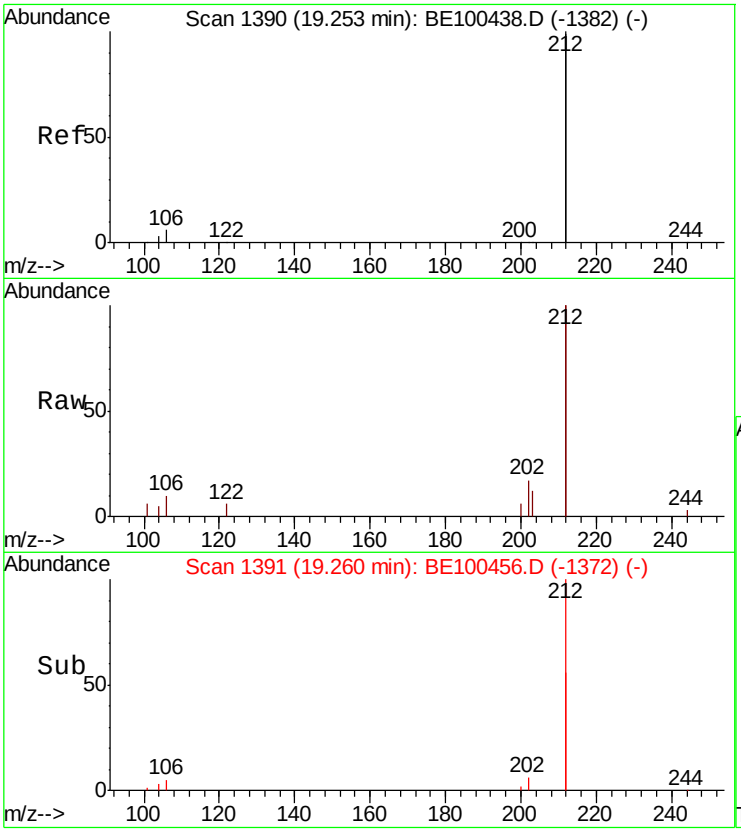


#24
Anthracene
Concen: 7.416 ng
RT: 17.38 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:178 Resp: 536945

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	17.7	12.3	18.5

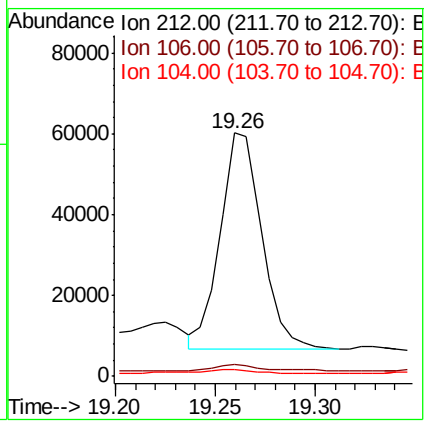




#25
Fluoranthene-d10
Concen: 0.195 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.01 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:212 Resp: 76631

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.6	3.8
104	2.7	1.4	2.2#



Instrument :
BNA_E
ClientSampleId :
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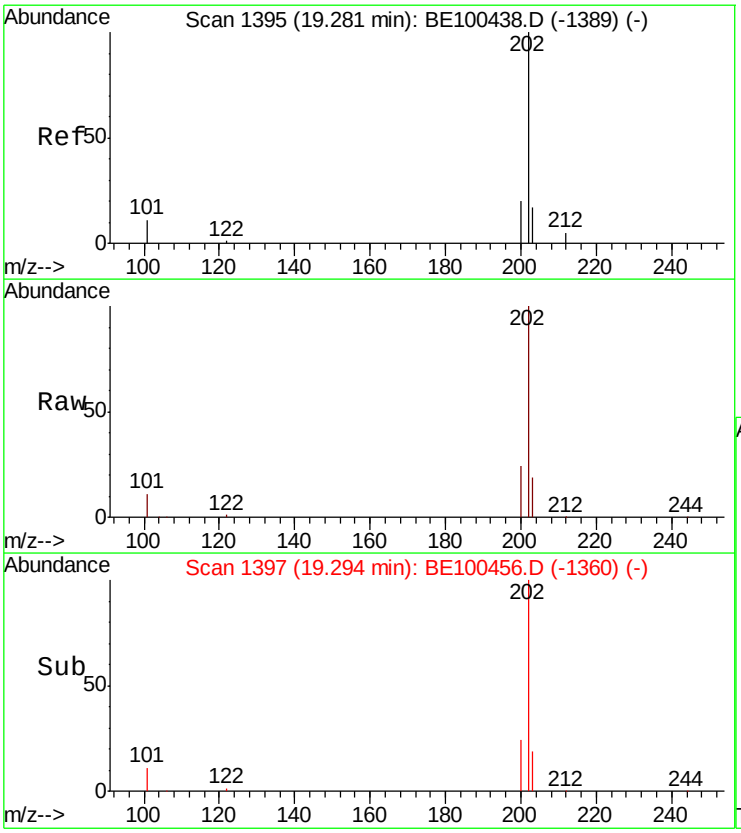
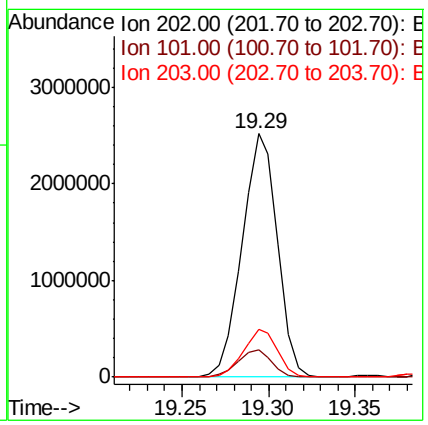
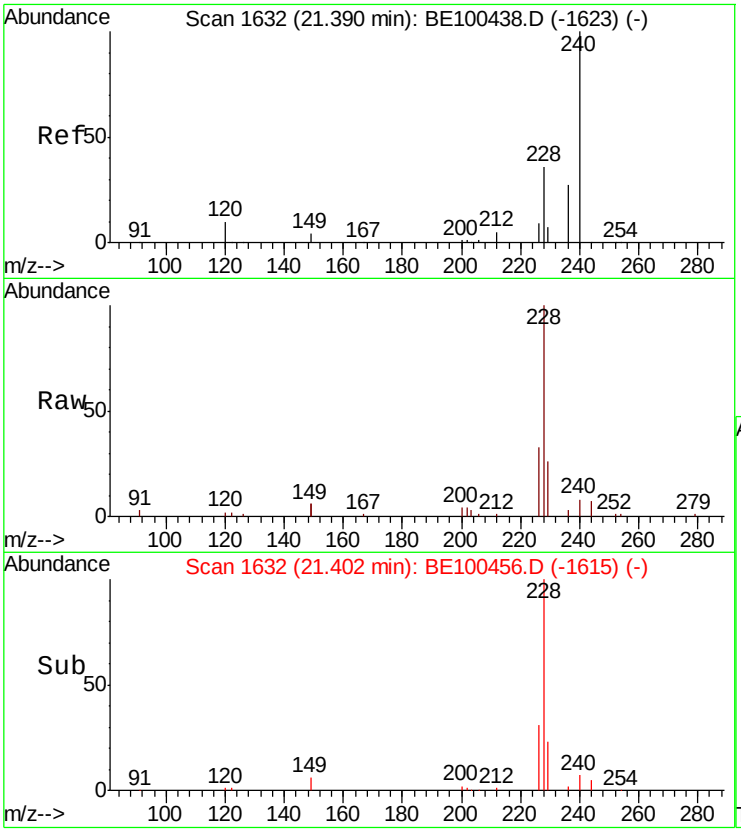


#26
Fluoranthene
Concen: 31.869 ng
RT: 19.29 min Scan# 1397
Delta R.T. 0.01 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:202 Resp: 3553175

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.9	13.3
203	18.7	13.8	20.6





#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1632
Delta R.T. 0.01 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:240 Resp: 40213

Ion	Ratio	Lower	Upper
240	100		
120	20.4	8.8	13.2#
236	35.9	22.0	33.0#

Instrument :
BNA_E
ClientSampleId :
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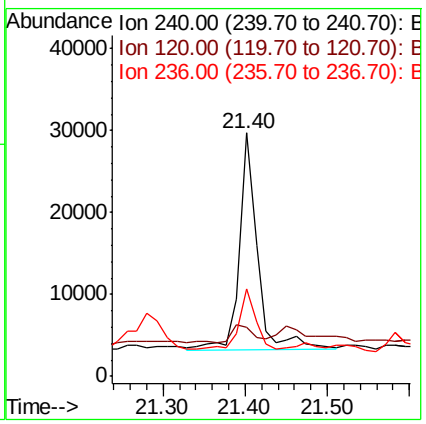
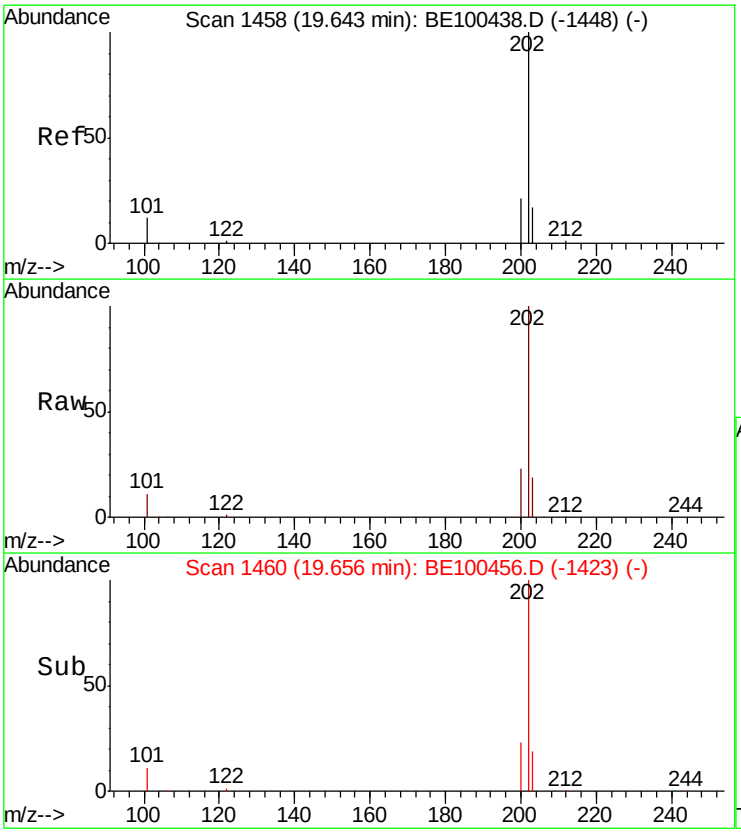
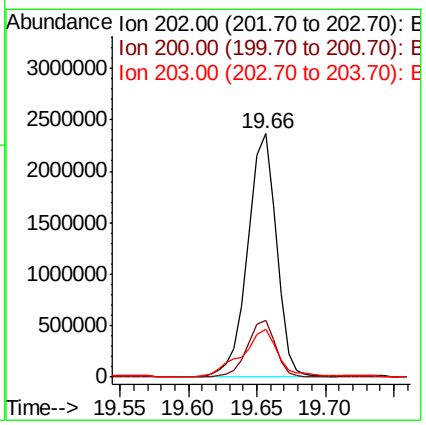


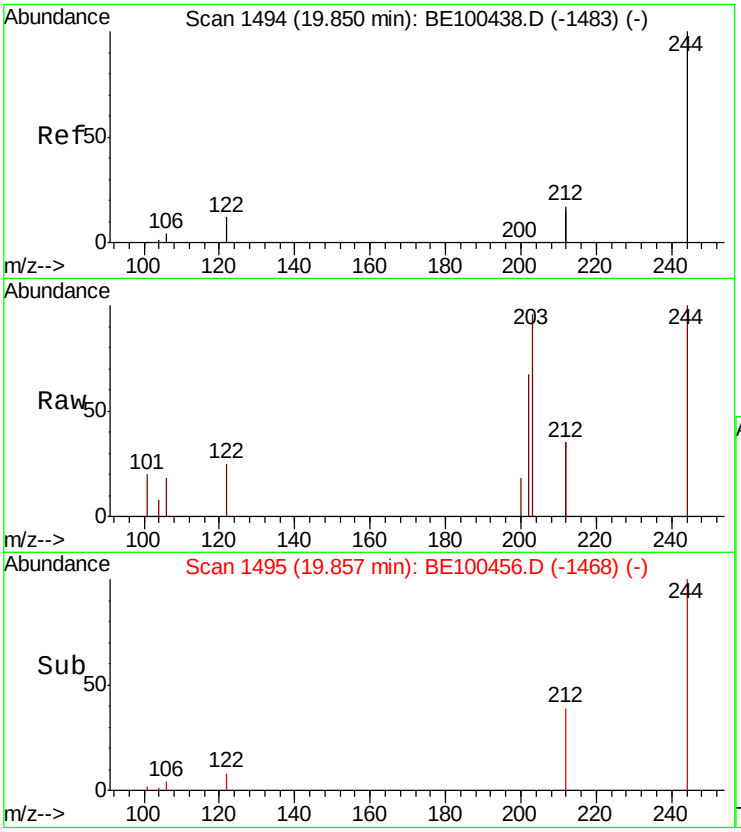


#28
Pyrene
Concen: 29.042 ng
RT: 19.66 min Scan# 1460
Delta R.T. 0.01 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:202 Resp: 3416475

Ion	Ratio	Lower	Upper
202	100		
200	22.9	16.8	25.2
203	24.3	13.8	20.8#





#29
Terphenyl-d14
Concen: 0.157 ng
RT: 19.86 min Scan# 1495
Delta R.T. 0.01 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:244 Resp: 15421

Ion	Ratio	Lower	Upper
244	100		
212	69.7	26.3	39.5#
122	24.7	9.4	14.2#

Instrument :
BNA_E
ClientSampleId :
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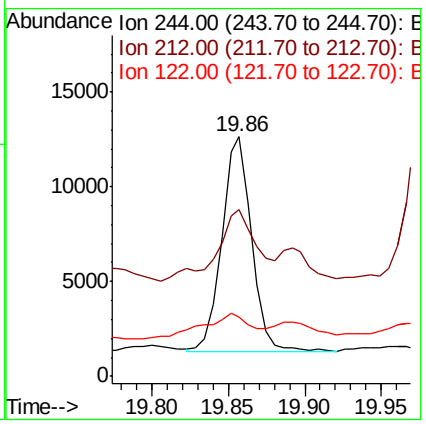
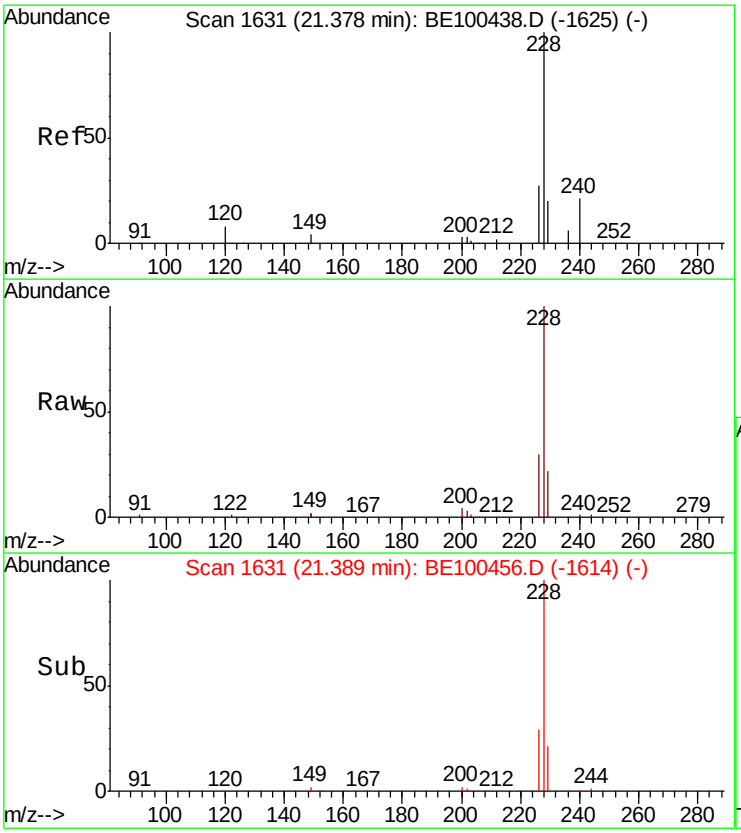
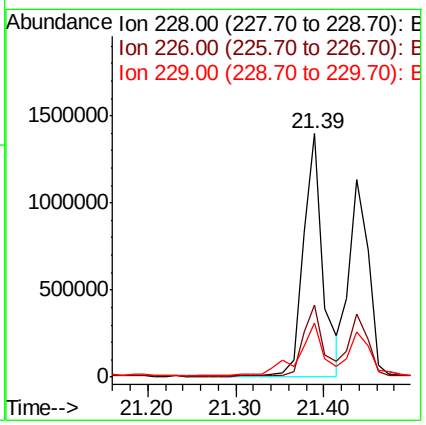


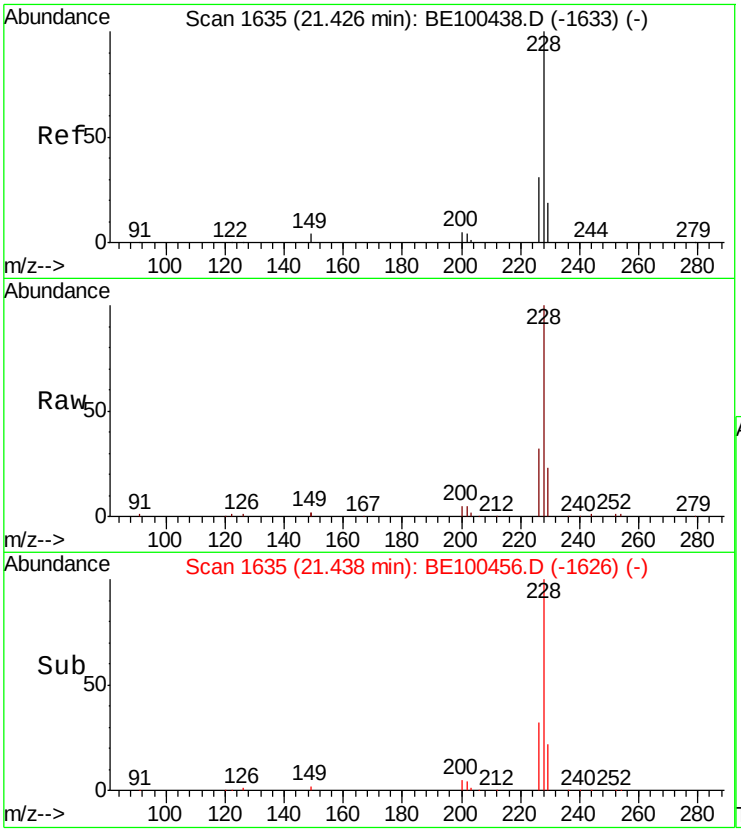


#30
Benzo(a)anthracene
Concen: 19.794 ng
RT: 21.39 min Scan# 1631
Delta R.T. 0.01 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:228 Resp: 2160283

Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.6	32.4
229	22.4	15.8	23.8

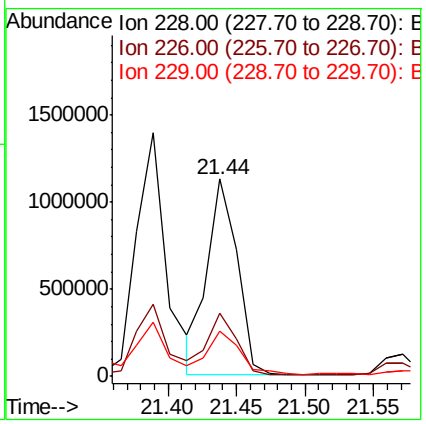




#31
Chrysene
Concen: 13.178 ng
RT: 21.44 min Scan# 1635
Delta R.T. 0.01 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:228 Resp: 1707979

Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.8	37.2
229	22.9	15.8	23.6



Instrument :
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ClientSampleId :
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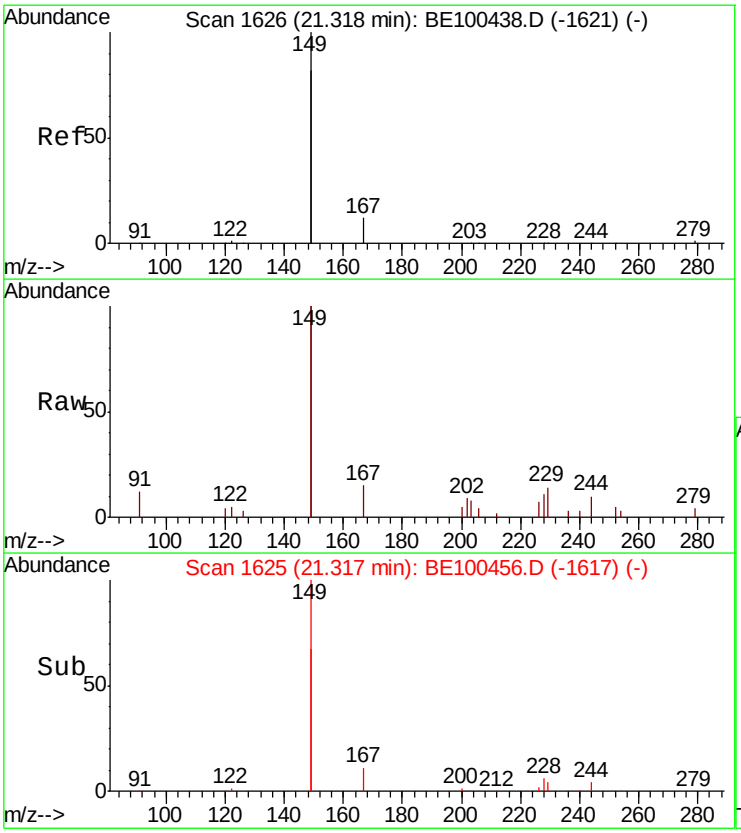
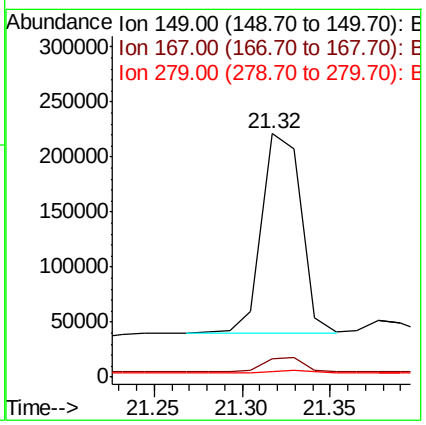
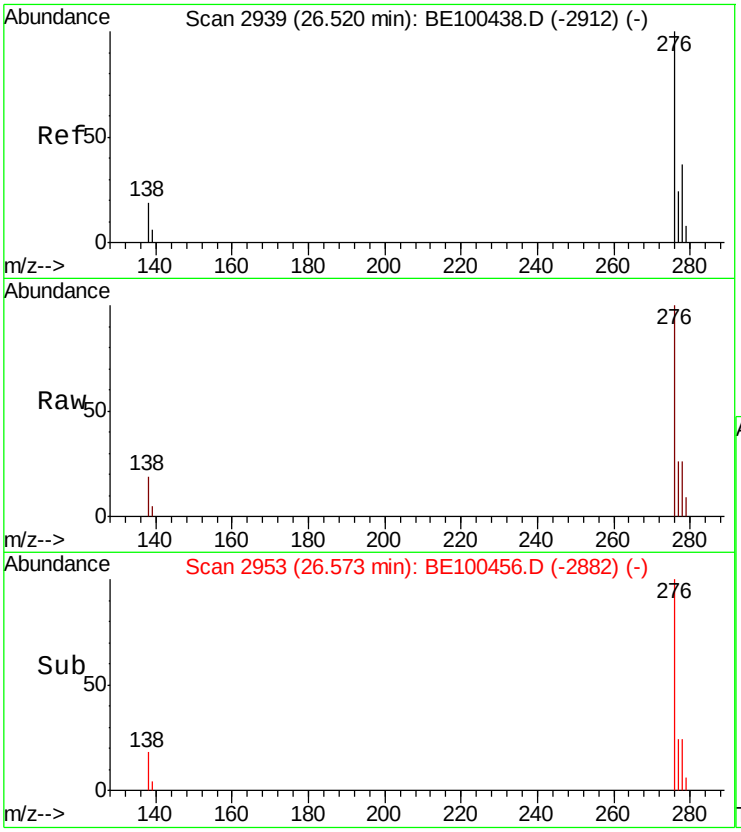


#32
Bis(2-ethylhexyl)phthalate
Concen: 3.618 ng
RT: 21.32 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:149 Resp: 283200

Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.0	7.6
279	1.2	1.2	1.8

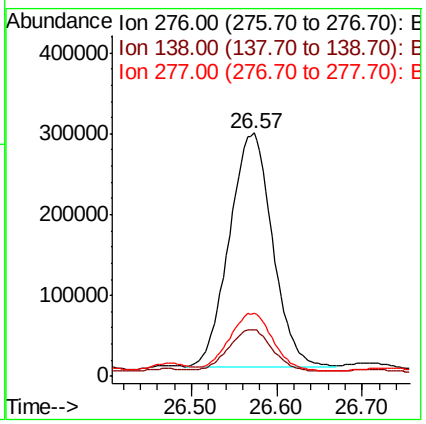




#33
Indeno(1,2,3-cd)pyrene
Concen: 8.813 ng
RT: 26.57 min Scan# 2953
Delta R.T. 0.05 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:276 Resp: 1015518

Ion	Ratio	Lower	Upper
276	100		
138	18.1	17.0	25.6
277	24.9	19.8	29.6



Instrument :
BNA_E
ClientSampleId :
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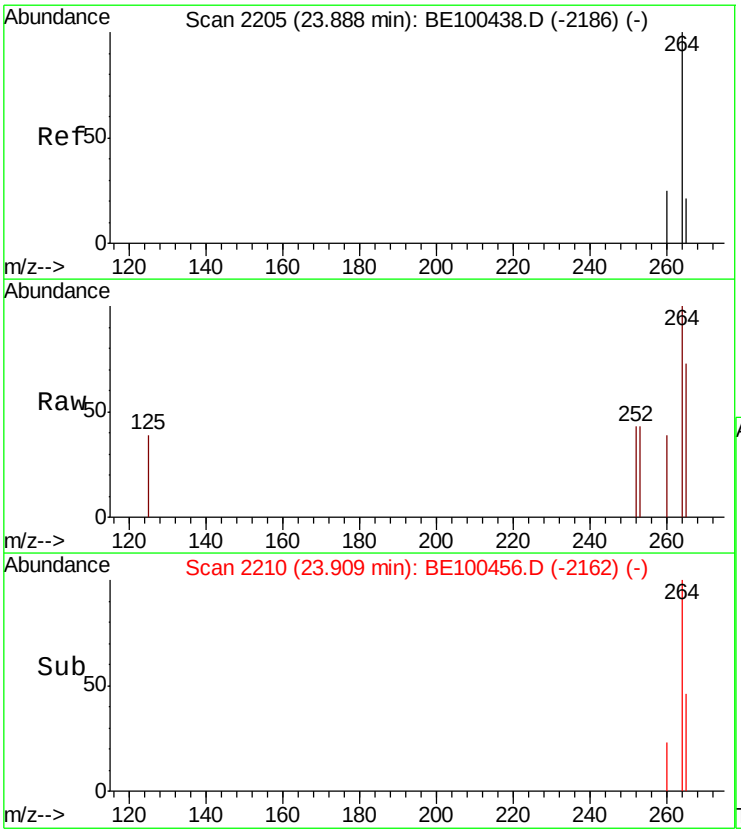
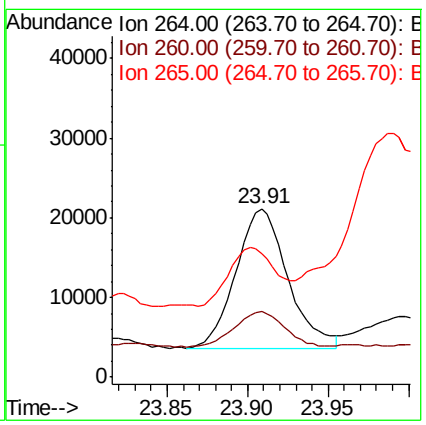
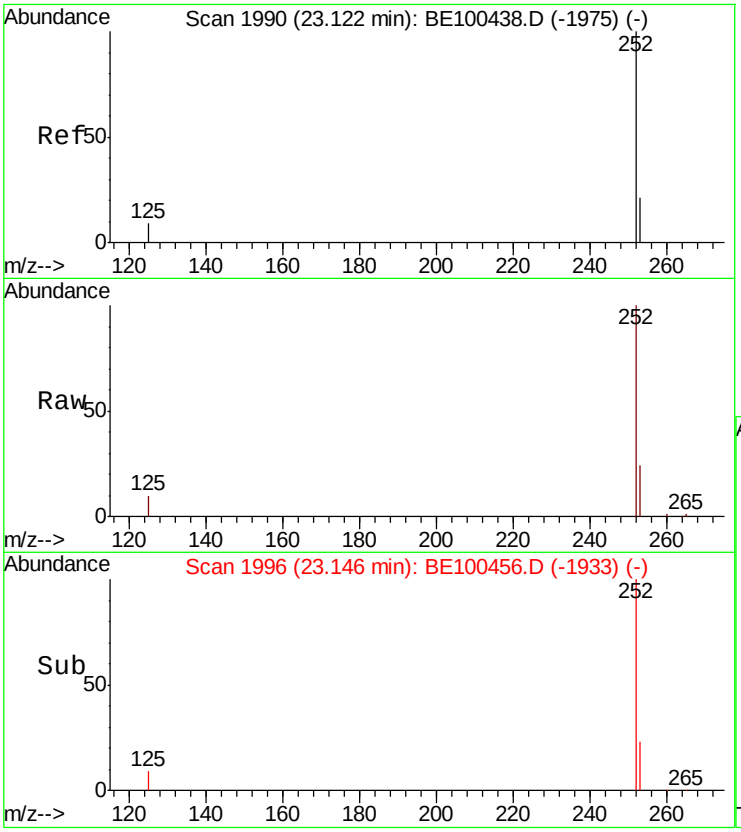


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2210
Delta R.T. 0.02 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:264 Resp: 39442

Ion	Ratio	Lower	Upper
264	100		
260	38.9	20.0	30.0#
265	73.0	22.2	33.4#

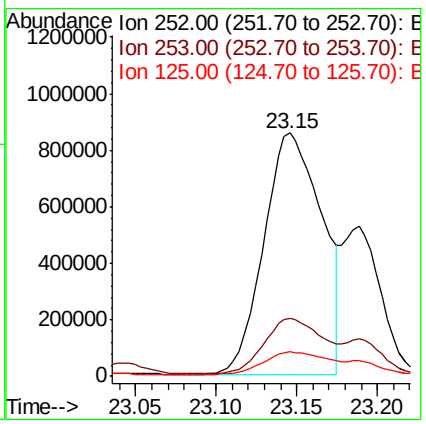




#35
Benzo(b)fluoranthene
Concen: 17.772 ng
RT: 23.15 min Scan# 1996
Delta R.T. 0.02 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:252 Resp: 2141672

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	10.0	8.0	12.0



Instrument :
BNA_E
ClientSampleId :
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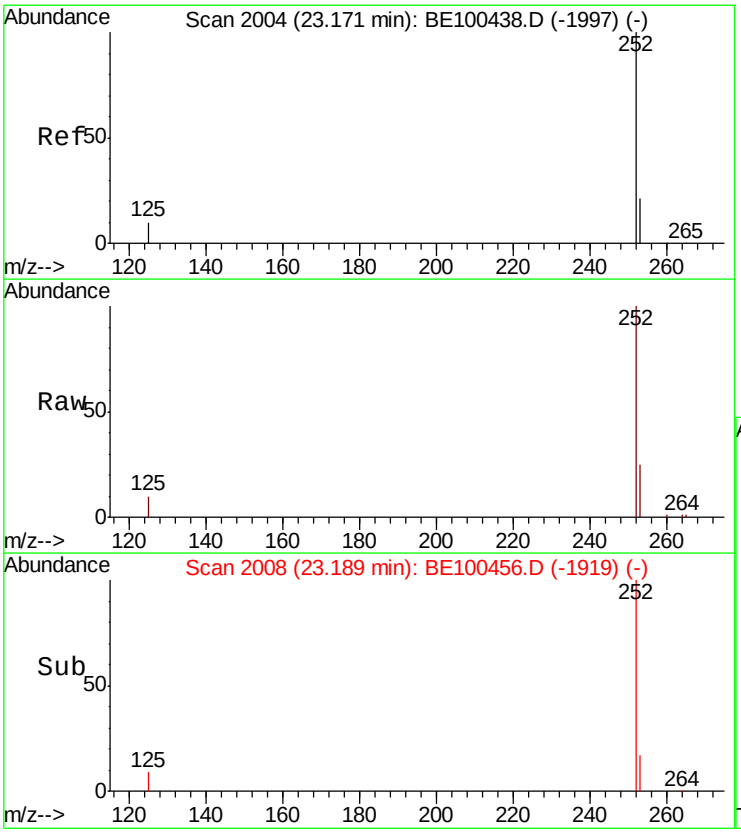
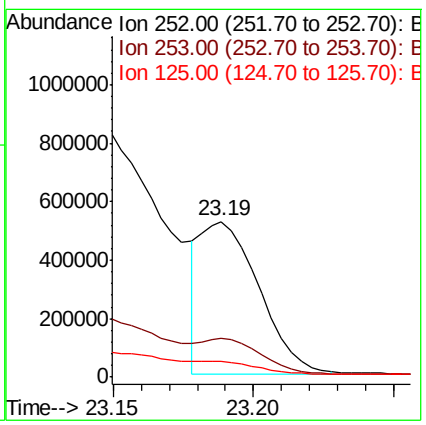
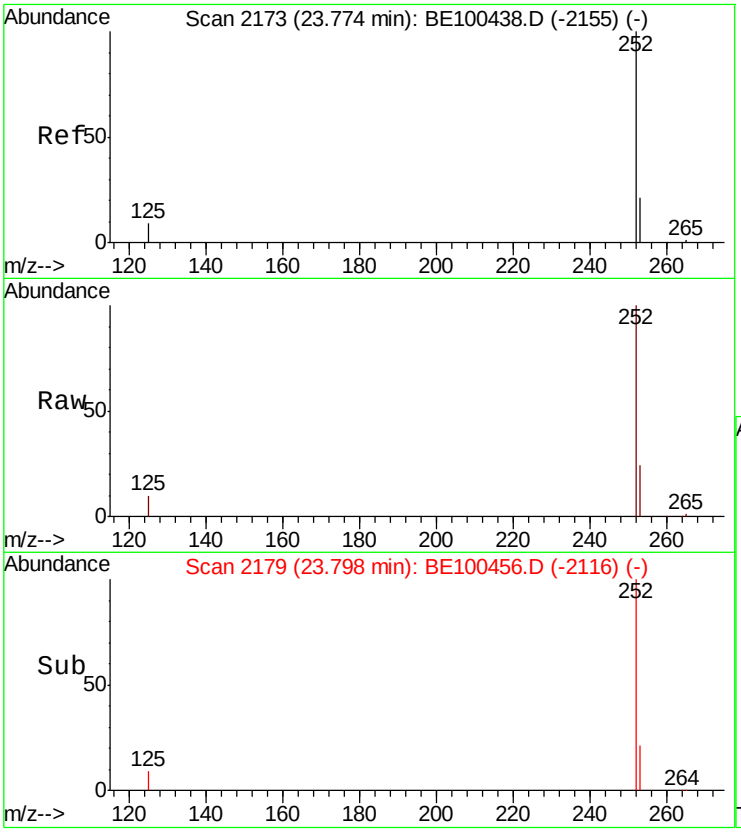


#36
Benzo(k)fluoranthene
Concen: 5.926 ng m
RT: 23.19 min Scan# 2008
Delta R.T. 0.02 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:252 Resp: 755694

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.7	26.5
125	10.2	8.3	12.5





#37
Benzo(a)pyrene
Concen: 17.114 ng
RT: 23.80 min Scan# 2179
Delta R.T. 0.02 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:252 Resp: 1695892

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	10.3	9.0	13.6

Instrument :
BNA_E
ClientSampleId :
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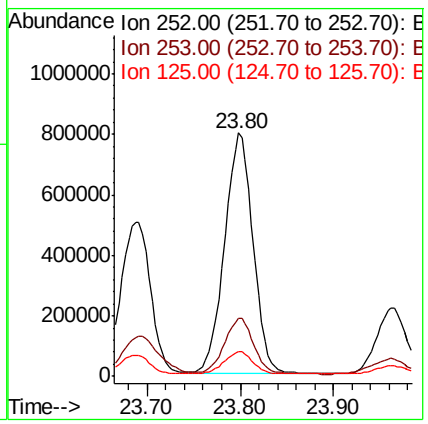
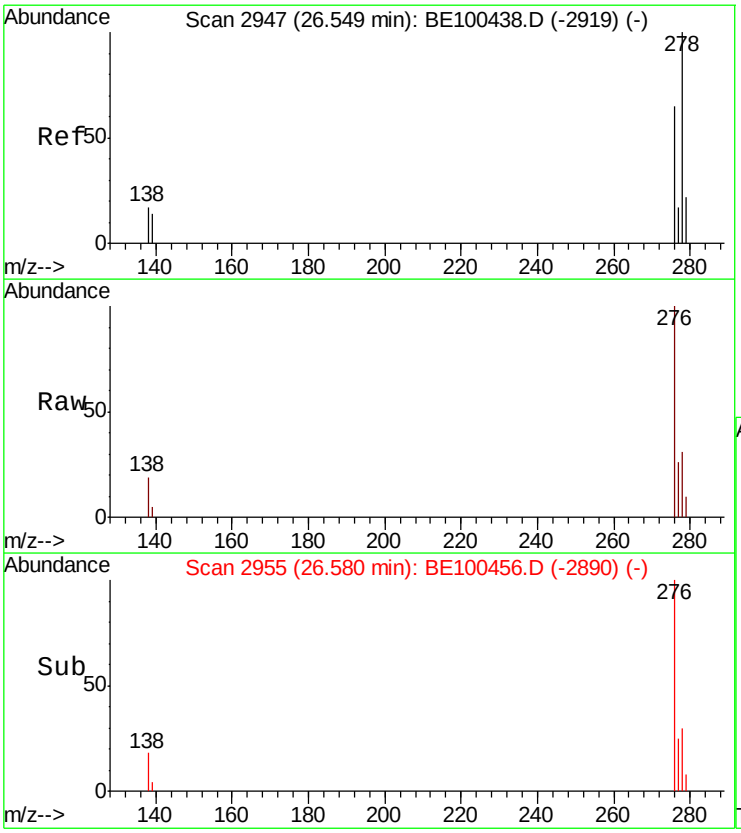
7/19/2019 2:24:24 PM

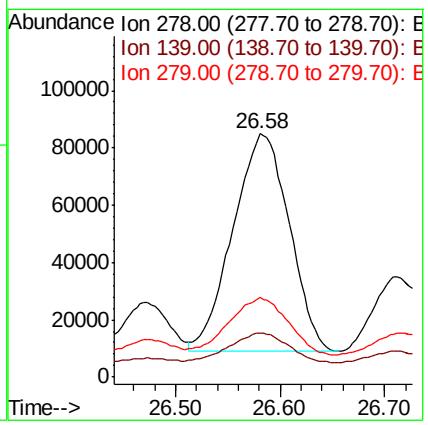


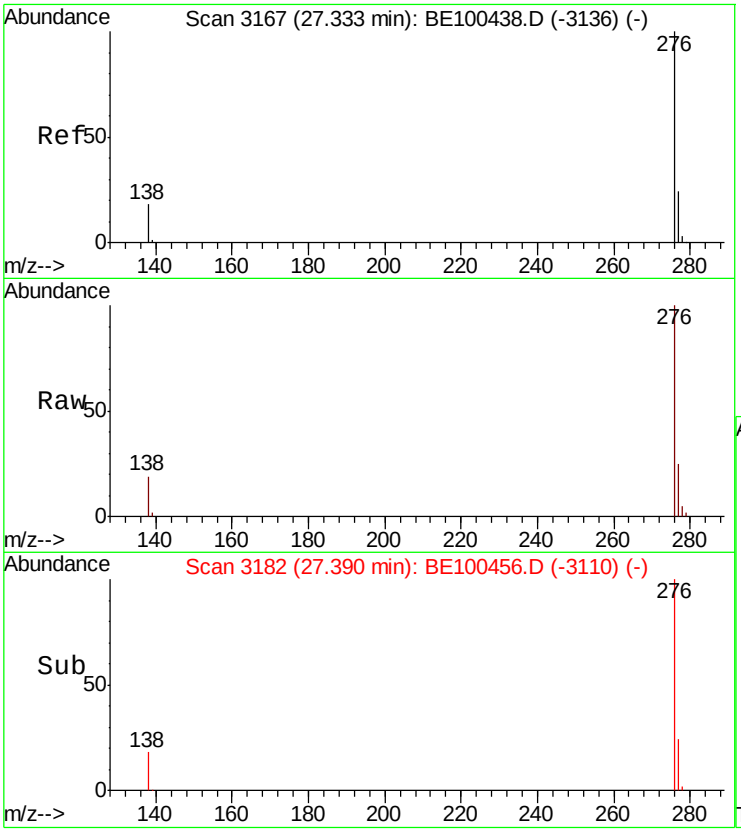


#38
Dibenzo(a,h)anthracene
Concen: 2.697 ng
RT: 26.58 min Scan# 2955
Delta R.T. 0.03 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:278 Resp: 284974

Ion	Ratio	Lower	Upper
278	100		
139	18.0	12.2	18.2
279	32.7	18.6	27.8#

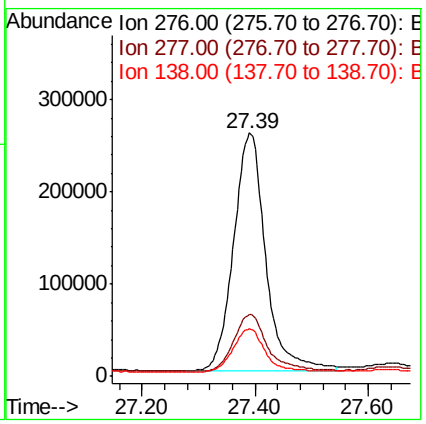




#39
Benzo(g,h,i)perylene
Concen: 9.173 ng
RT: 27.39 min Scan# 3182
Delta R.T. 0.06 min
Lab File: BE100456.D
Acq: 17 Jul 2019 19:31

Tgt Ion:276 Resp: 1013544

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.6	29.4
138	19.4	15.1	22.7



Instrument :
BNA_E
ClientSampleId :
HJDC-COMP3MS

Manual Integrations APPROVED
mohammad
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