Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121119\
Data File : BE100845.D
Acq On : 11 Dec 2019 13:44
Operator : JU
Sample : K6185-08MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MS

Manual Integrations APPROVED
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12/12/2019 11:34:57 AM

Quant Time: Dec 11 14:30:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 04 17:18:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	4947	0.40	ng		-0.01
7) Naphthalene-d8	10.54	136	21665	0.40	ng		0.00
13) Acenaphthene-d10	14.40	164	11951	0.40	ng		0.00
19) Phenanthrene-d10	17.12	188	30621	0.40	ng		-0.01
27) Chrysene-d12	21.31	240	29368	0.40	ng		0.00
34) Perylene-d12	23.74	264	32829	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.37	112	2487	0.21	ng		0.00
5) Phenol-d6	6.93	99	2432	0.14	ng		0.00
8) Nitrobenzene-d5	8.90	82	5687	0.55	ng		0.00
11) 2-Methylnaphthalene-d10	12.14	152	14165m	0.45	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	1012	0.76	ng		0.00
15) 2-Fluorobiphenyl	13.02	172	19216	0.41	ng		-0.01
25) Fluoranthene-d10	19.15	212	148948	0.41	ng		0.00
29) Terphenyl-d14	19.76	244	28851	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.34	88	71789	7.959	ng		90
3) n-Nitrosodimethylamine	3.65	42	1260	0.172	ng	#	81
6) bis(2-Chloroethyl)ether	7.18	93	7455	0.435	ng		100
9) Naphthalene	10.59	128	97159	0.422	ng		100
10) Hexachlorobutadiene	10.89	225	2656	0.296	ng		97
12) 2-Methylnaphthalene	12.21	142	15407	0.429	ng		96
16) Acenaphthylene	14.11	152	22452	0.454	ng		100
17) Acenaphthene	14.46	154	14552	0.427	ng		99
18) Fluorene	15.42	166	20024	0.456	ng		98
20) 4-Bromophenyl-phenylether	16.32	248	5880	0.391	ng	#	73
21) Hexachlorobenzene	16.44	284	5871	0.360	ng		99
22) Pentachlorophenol	16.77	266	3036	2.689	ng	#	82
23) Phenanthrene	17.16	178	39200	0.423	ng		99
24) Anthracene	17.26	178	32981	0.425	ng		98
26) Fluoranthene	19.18	202	45365	0.410	ng		99
28) Pyrene	19.55	202	45351	0.475	ng		100
30) Benzo(a)anthracene	21.28	228	44946	0.519	ng		99
31) Chrysene	21.34	228	44662	0.439	ng		97
32) Bis(2-ethylhexyl)phthalate	21.23	149	72253	1.069	ng		100
33) Indeno(1,2,3-cd)pyrene	26.32	276	41613	0.470	ng	#	86
35) Benzo(b)fluoranthene	23.00	252	40497	0.451	ng		100
36) Benzo(k)fluoranthene	23.05	252	46047	0.457	ng		99
37) Benzo(a)pyrene	23.63	252	37306	0.479	ng		98
38) Dibenzo(a,h)anthracene	26.35	278	33267	0.430	ng		99
39) Benzo(g,h,i)perylene	27.10	276	36215	0.437	ng		98

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 04 17:18:11 2019
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MS

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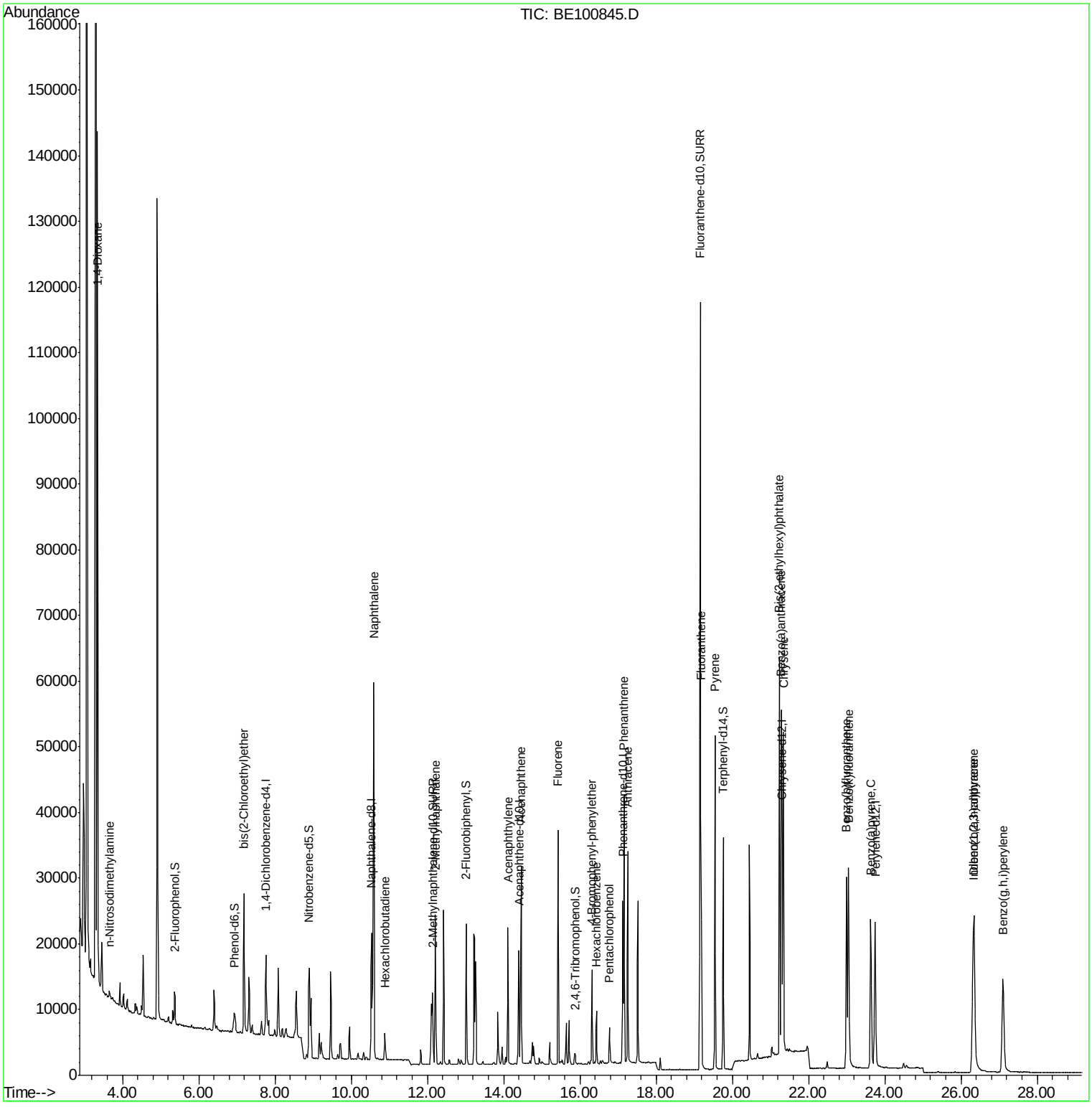
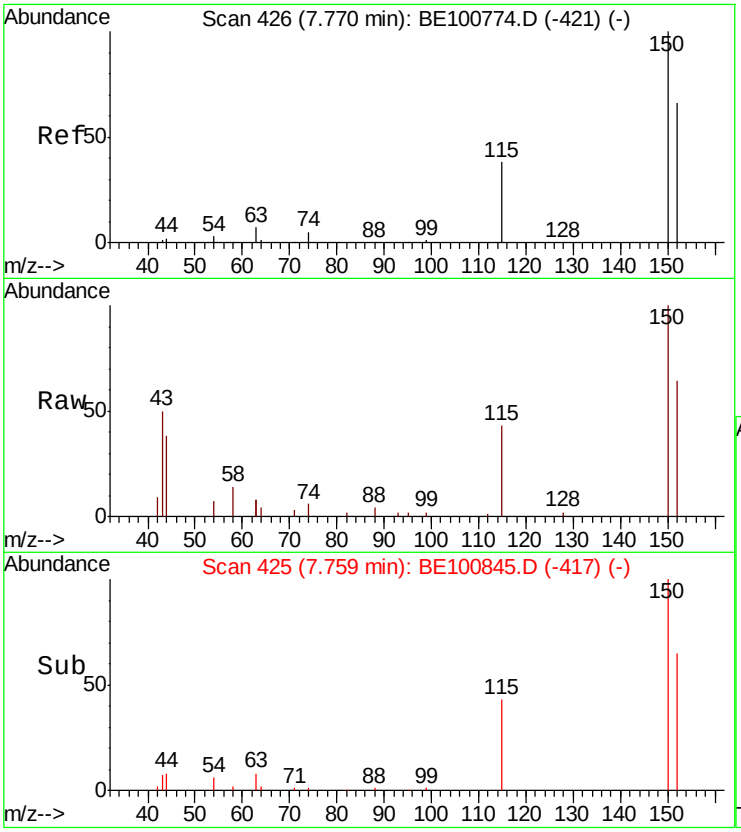
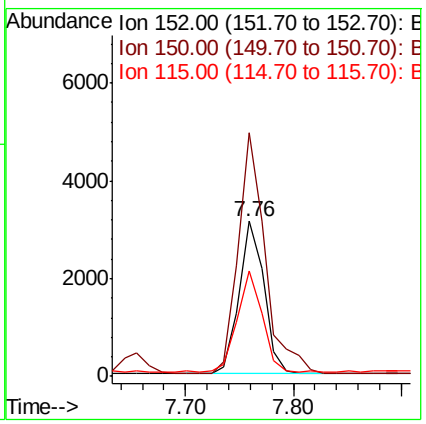




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:152 Resp: 4947

Ion	Ratio	Lower	Upper
152	100		
150	157.1	120.6	181.0
115	68.0	47.4	71.2



Instrument :
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ClientSampleId :
RE131D2-20191205MS

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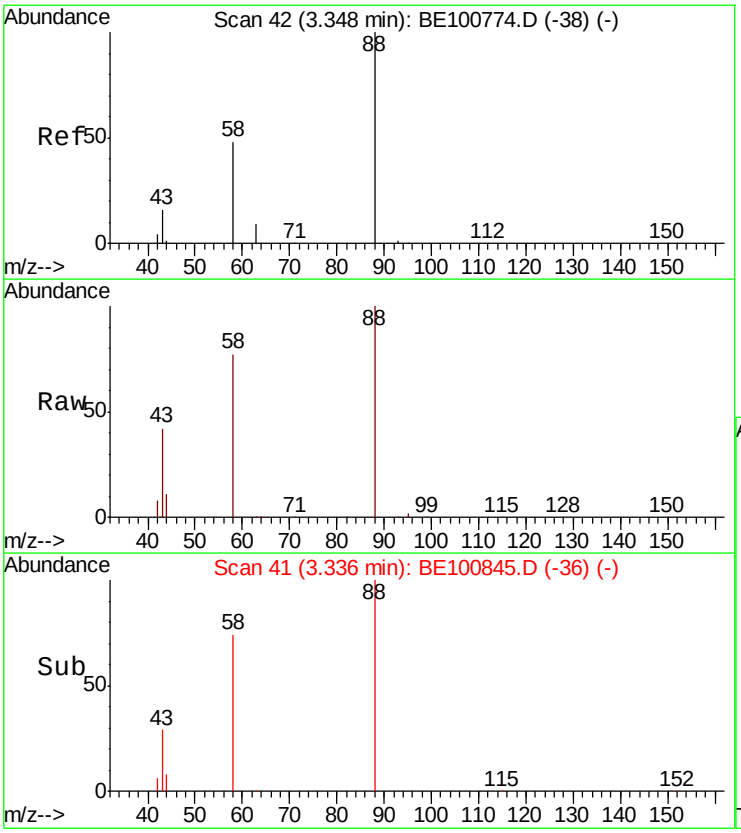
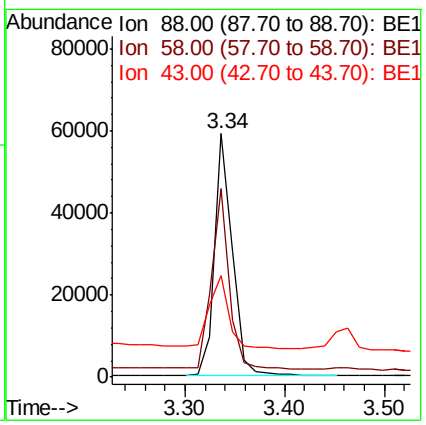
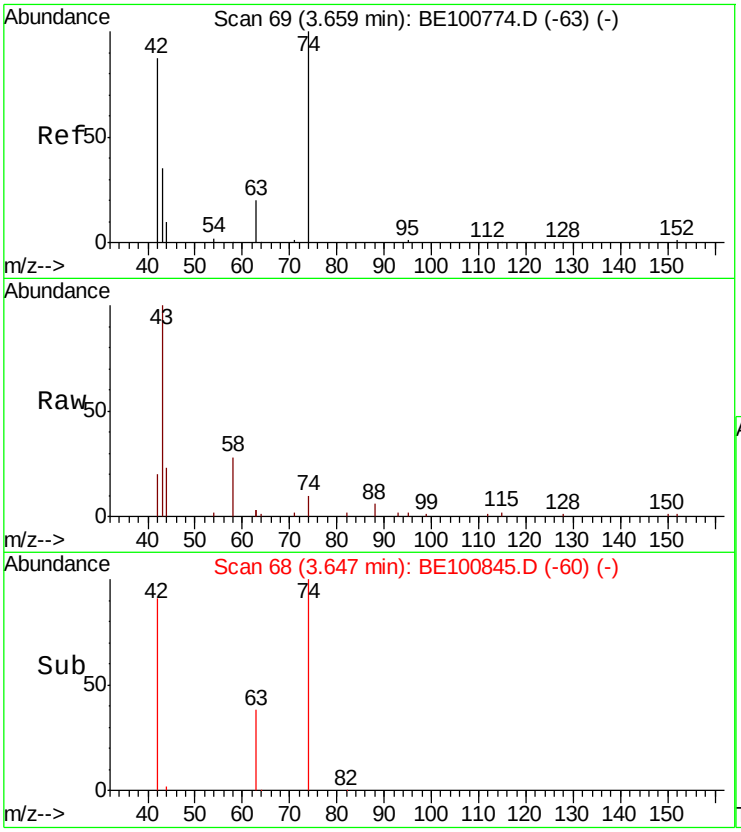


#2
1,4-Dioxane
Concen: 7.959 ng
RT: 3.34 min Scan# 41
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion: 88 Resp: 71789

Ion	Ratio	Lower	Upper
88	100		
58	74.1	52.5	78.7
43	33.8	23.0	34.6

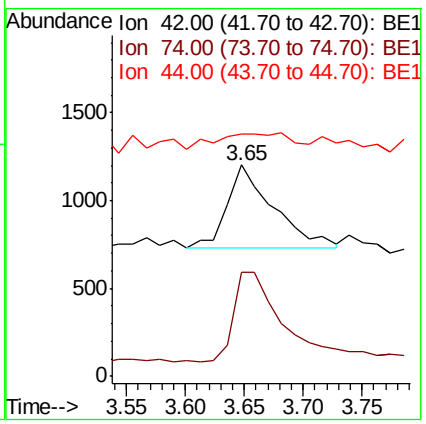




#3
n-Nitrosodimethylamine
Concen: 0.172 ng
RT: 3.65 min Scan# 68
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion: 42 Resp: 1260

Ion	Ratio	Lower	Upper
42	100		
74	125.5	86.3	129.5
44	0.0	11.6	17.4#



Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MS

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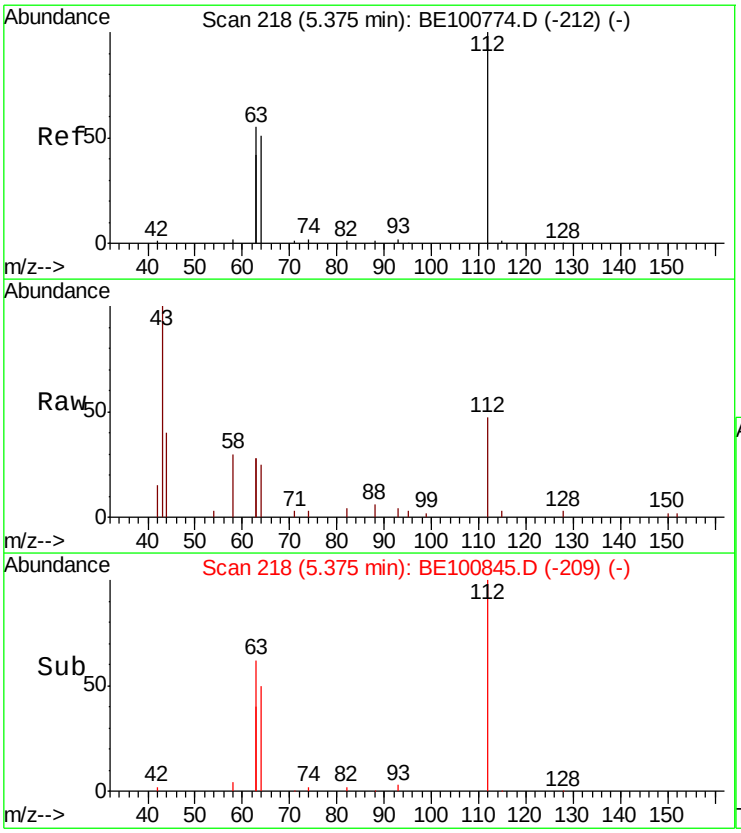
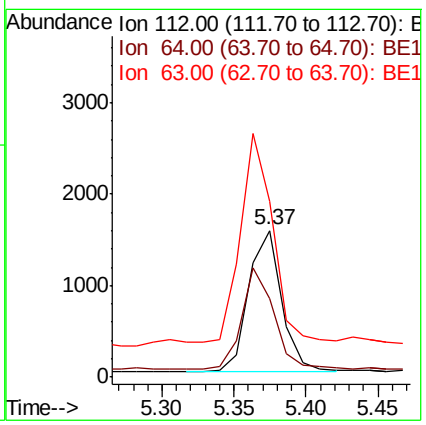
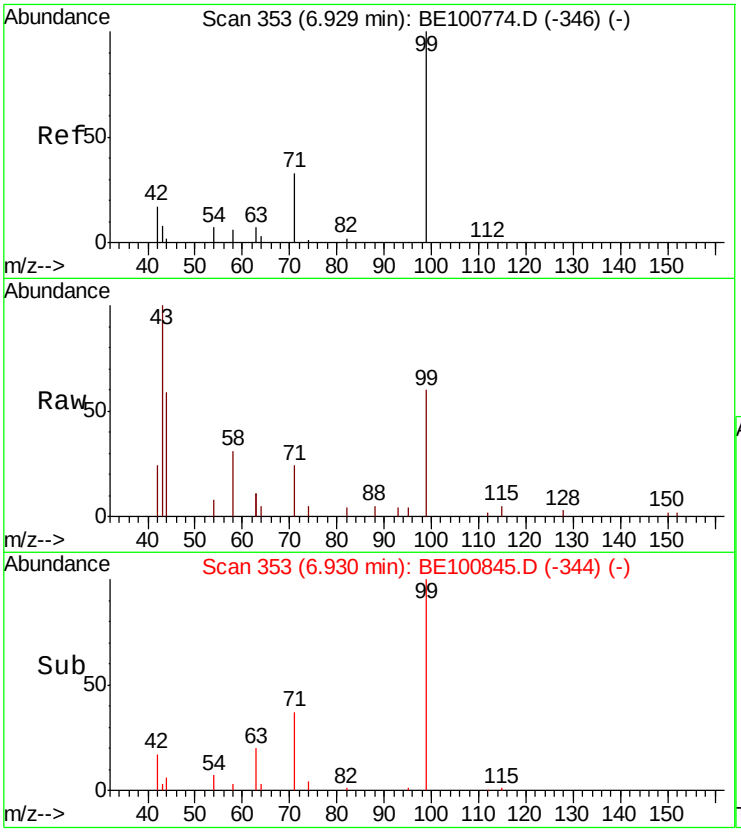


#4
2-Fluorophenol
Concen: 0.212 ng
RT: 5.37 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:112 Resp: 2487

Ion	Ratio	Lower	Upper
112	100		
64	68.6	54.1	81.1
63	140.9	113.2	169.8

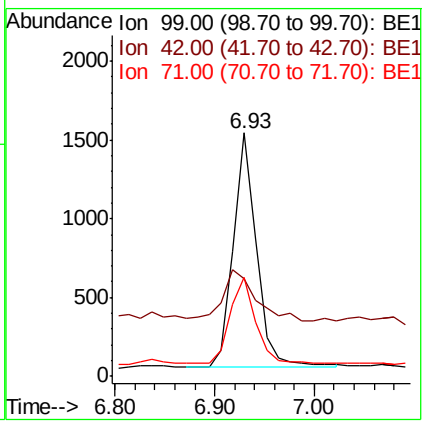




#5
Phenol-d6
Concen: 0.137 ng
RT: 6.93 min Scan# 353
Delta R.T. 0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion: 99 Resp: 2432

Ion	Ratio	Lower	Upper
99	100		
42	30.0	19.1	28.7#
71	39.9	27.7	41.5



Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MS

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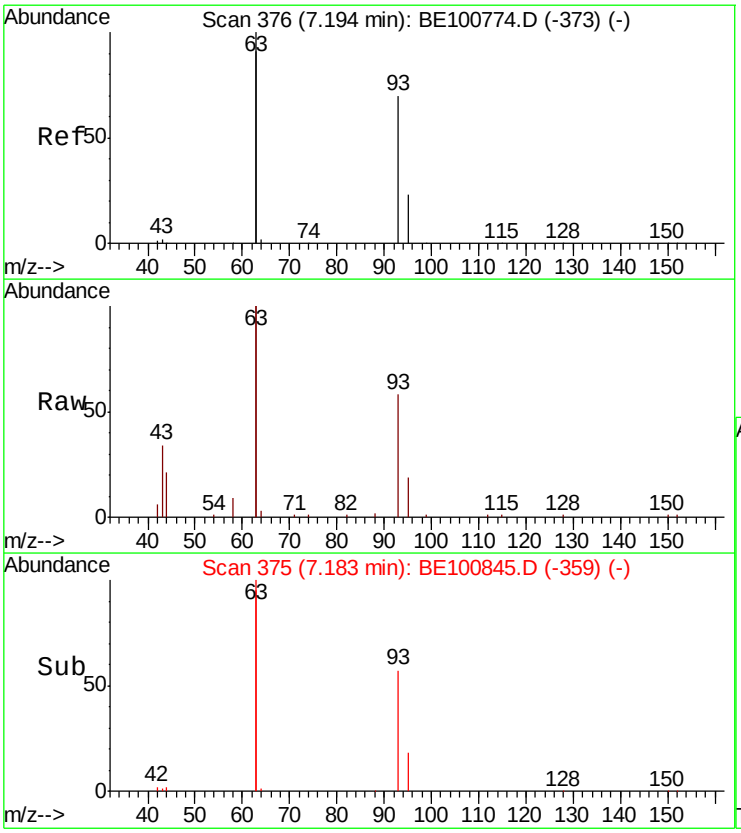
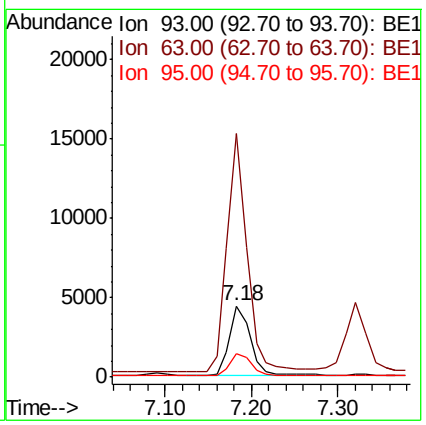
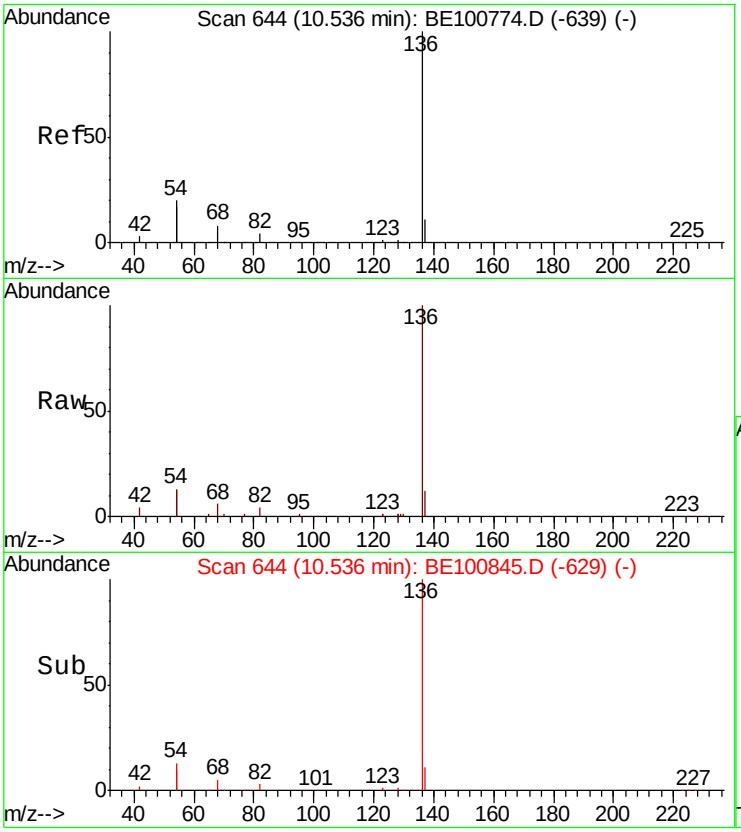


#6
bis(2-Chloroethyl)ether
Concen: 0.435 ng
RT: 7.18 min Scan# 375
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion: 93 Resp: 7455

Ion	Ratio	Lower	Upper
93	100		
63	323.6	259.4	389.0
95	33.2	26.2	39.2

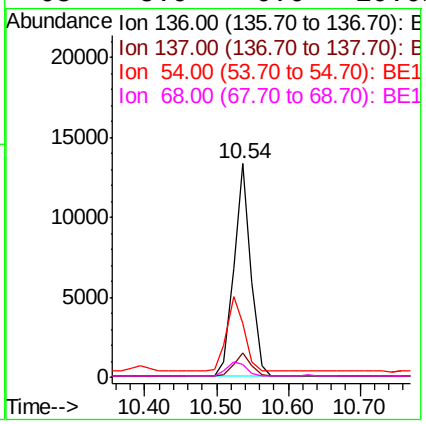




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.54 min Scan# 644
Delta R.T. 0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:136 Resp: 21665

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.4	14.0
54	25.3	31.1	46.7#
68	5.9	6.6	10.0#



Instrument :
BNA_E
ClientSampleId :
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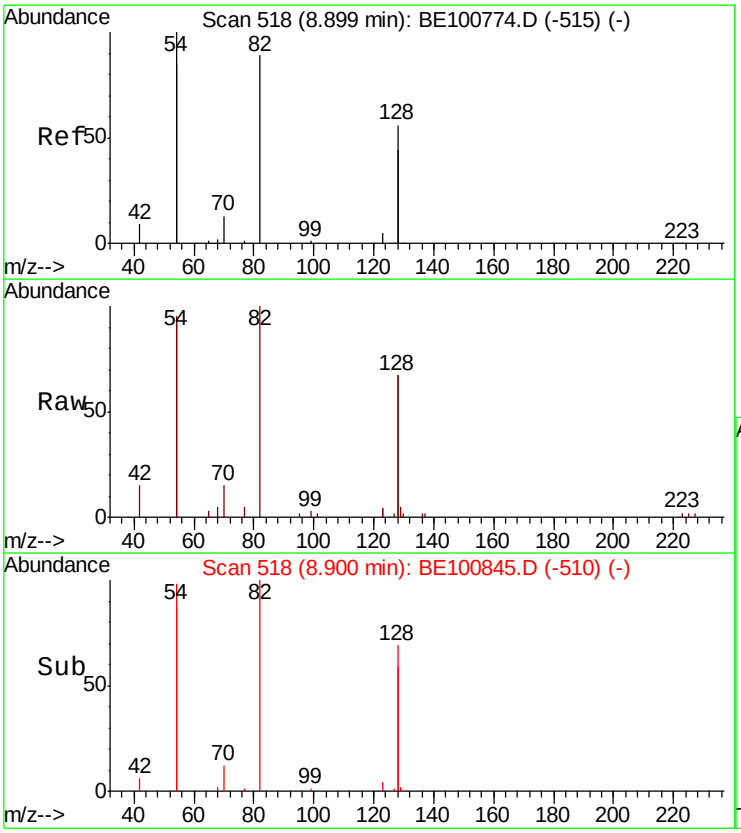
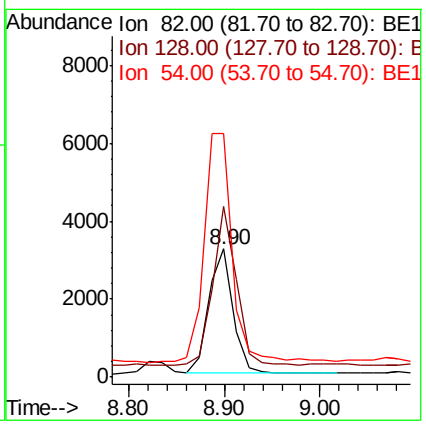
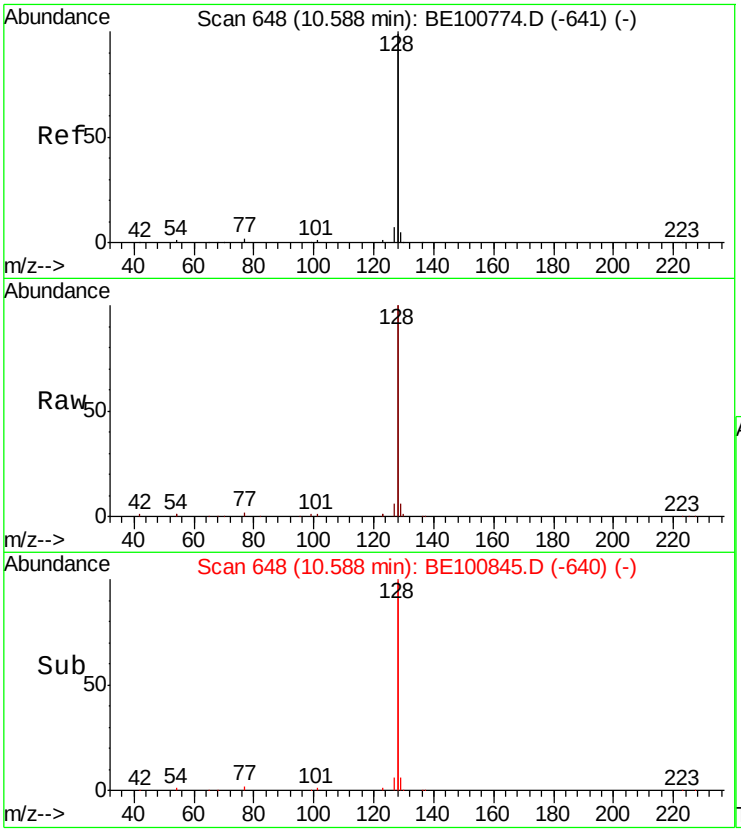


#8
Nitrobenzene-d5
Concen: 0.551 ng
RT: 8.90 min Scan# 518
Delta R.T. 0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion: 82 Resp: 5687

Ion	Ratio	Lower	Upper
82	100		
128	133.9	97.0	145.4
54	190.3	171.8	257.6

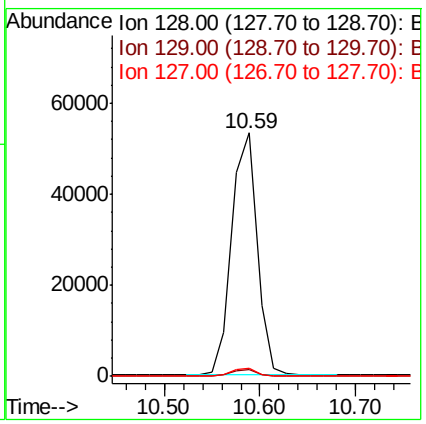




#9
Naphthalene
Concen: 0.422 ng
RT: 10.59 min Scan# 648
Delta R.T. 0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:128 Resp: 97159

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.2	3.4
127	3.2	2.7	4.1



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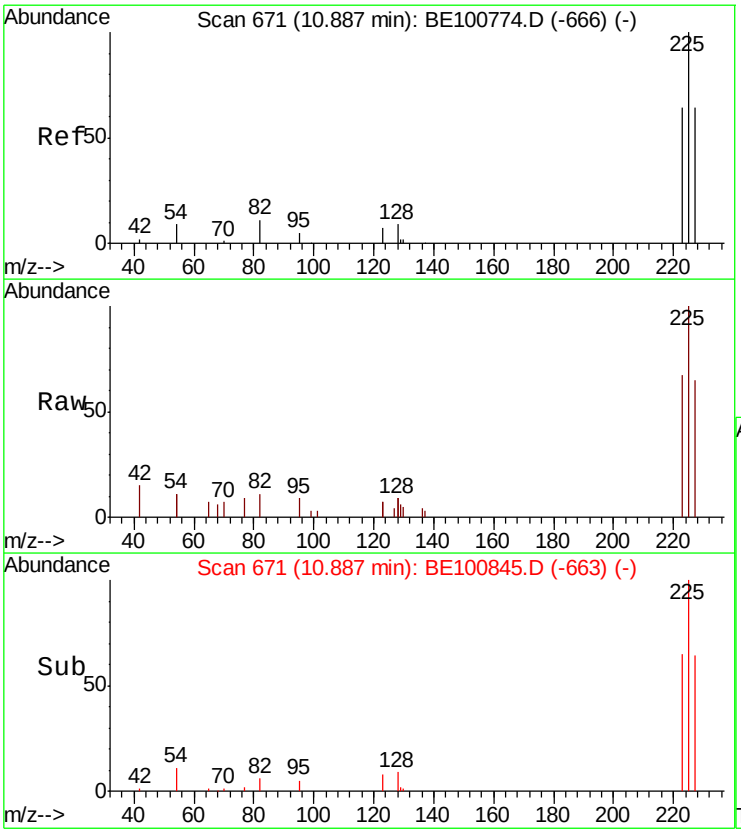
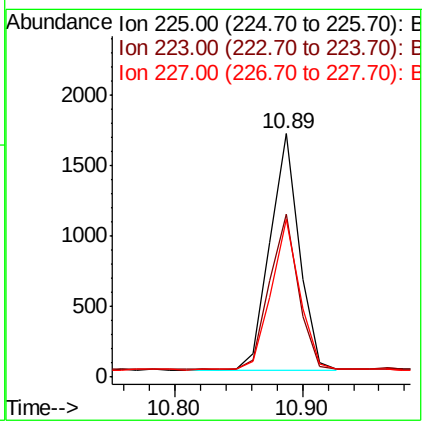
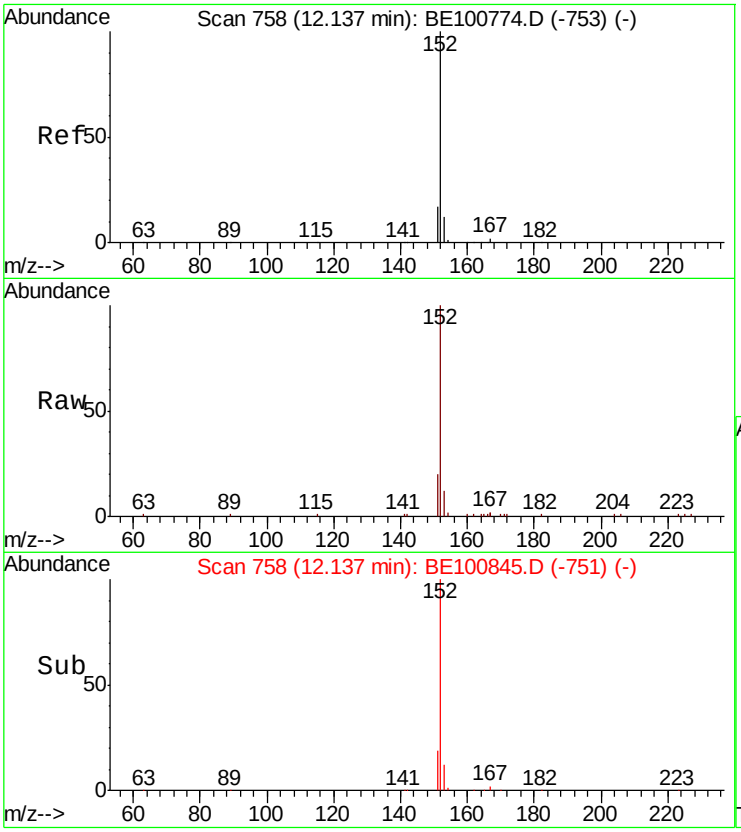


#10
Hexachlorobutadiene
Concen: 0.296 ng
RT: 10.89 min Scan# 671
Delta R.T. 0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:225 Resp: 2656

Ion	Ratio	Lower	Upper
225	100		
223	65.0	49.9	74.9
227	62.9	52.2	78.4

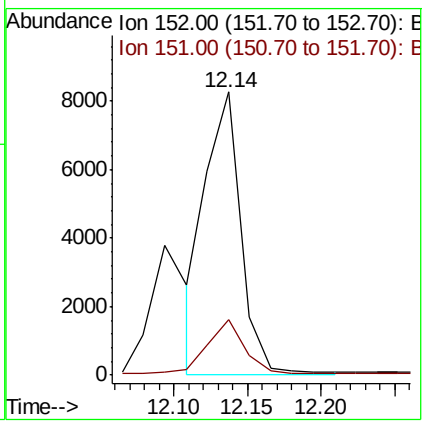




#11
2-Methylnaphthalene-d10
Concen: 0.451 ng m
RT: 12.14 min Scan# 758
Delta R.T. 0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:152 Resp: 14165

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.8



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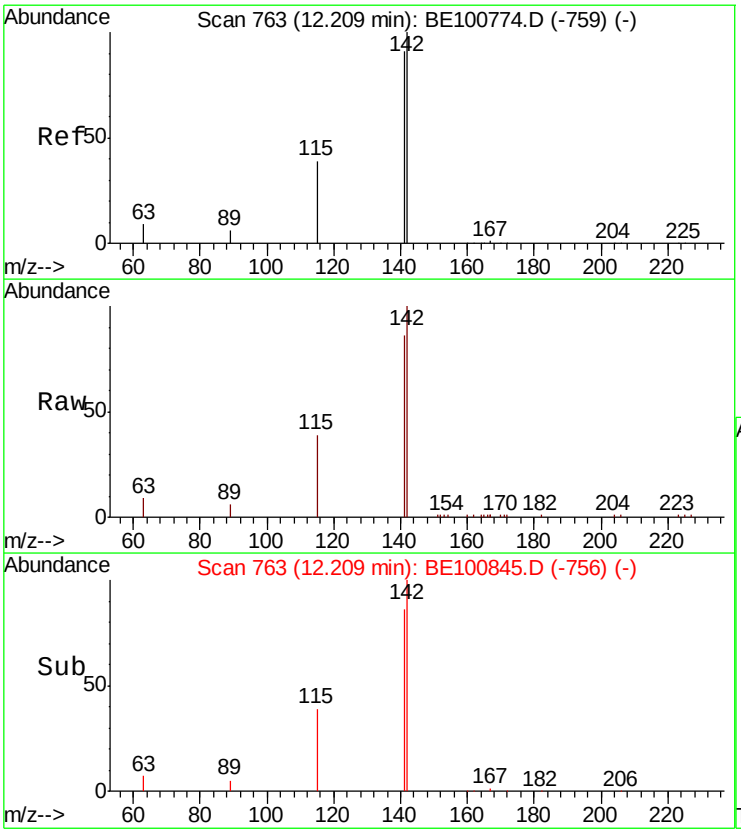
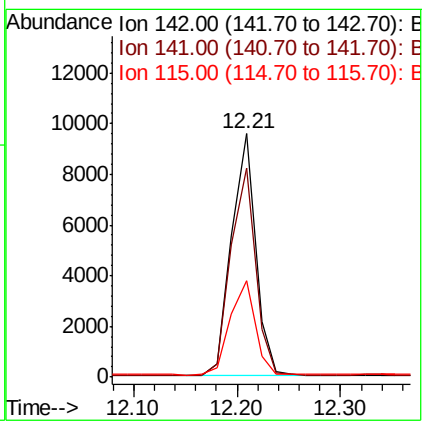
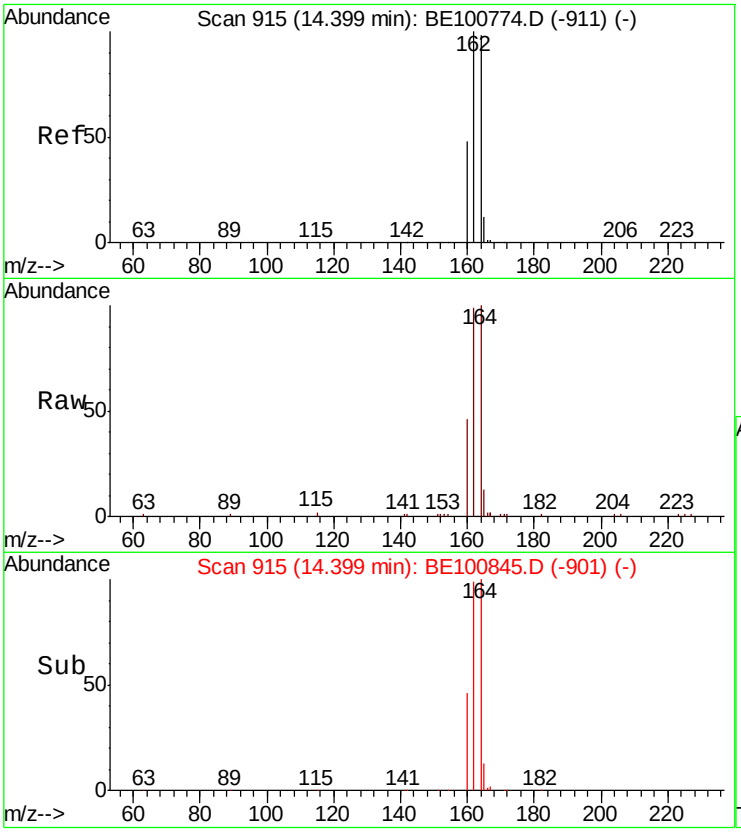


#12
2-Methylnaphthalene
Concen: 0.429 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:142 Resp: 15407

Ion	Ratio	Lower	Upper
142	100		
141	86.1	72.6	108.8
115	39.4	31.8	47.6

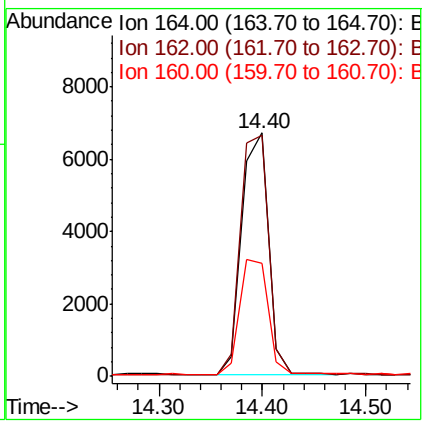




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. 0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:164 Resp: 11951

Ion	Ratio	Lower	Upper
164	100		
162	98.9	81.4	122.0
160	46.5	39.4	59.0



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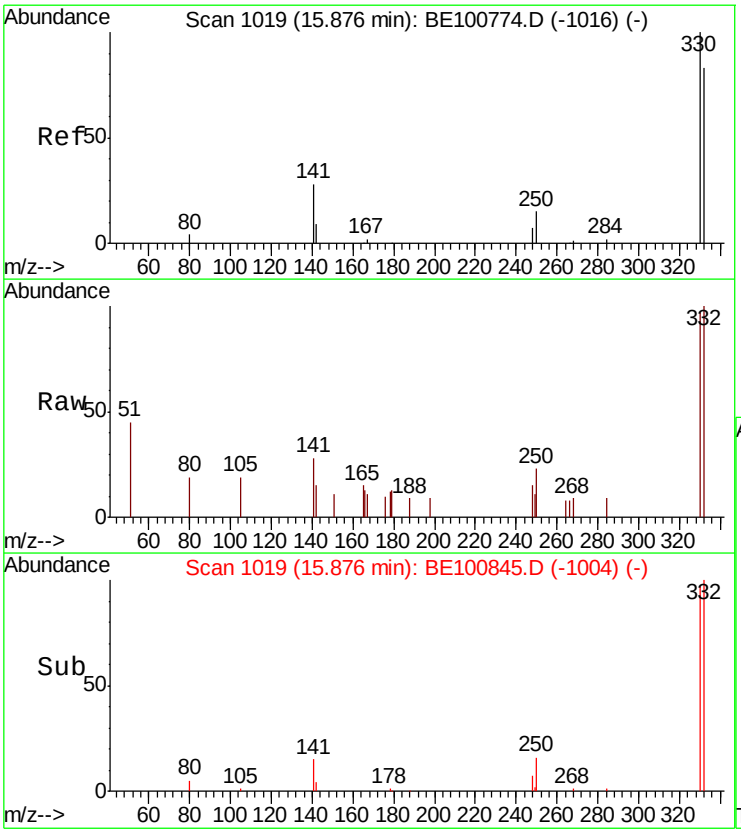
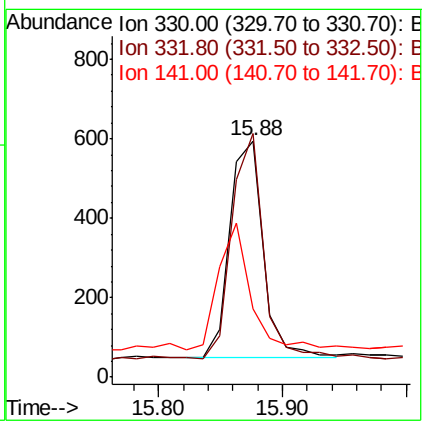
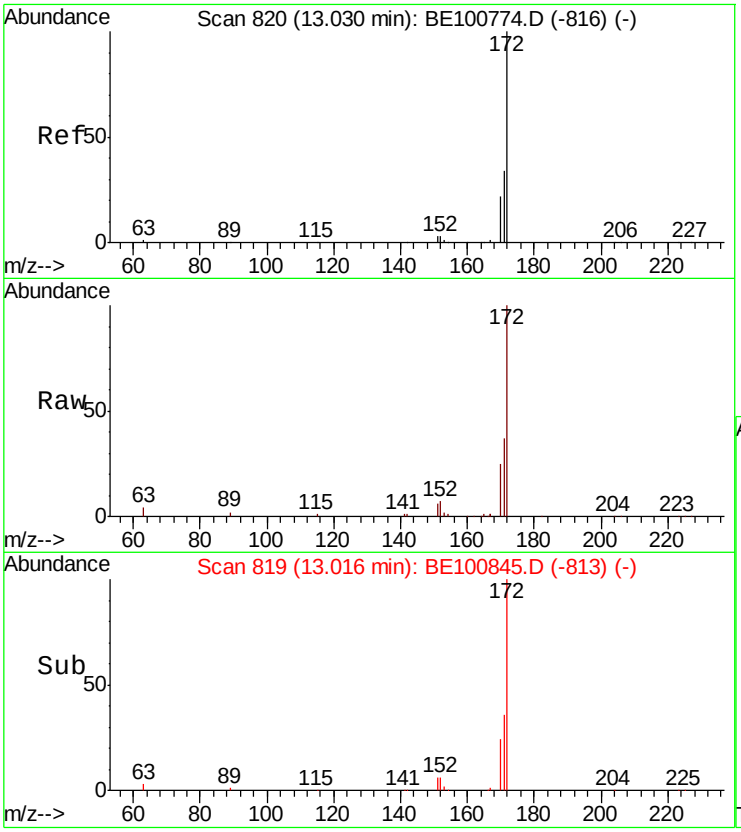


#14
2,4,6-Tribromophenol
Concen: 0.761 ng
RT: 15.88 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:330 Resp: 1012

Ion	Ratio	Lower	Upper
330	100		
332	99.6	69.4	104.2
141	58.7	51.1	76.7

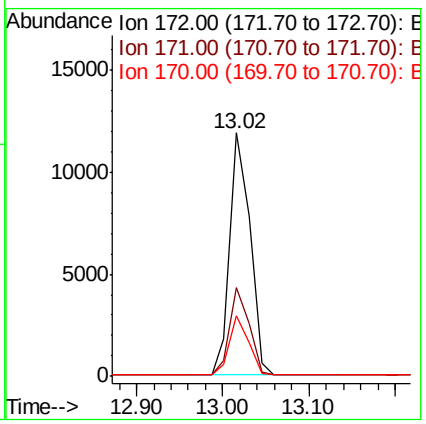




#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 13.02 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:172 Resp: 19216

Ion	Ratio	Lower	Upper
172	100		
171	36.5	27.2	40.8
170	24.7	18.0	27.0



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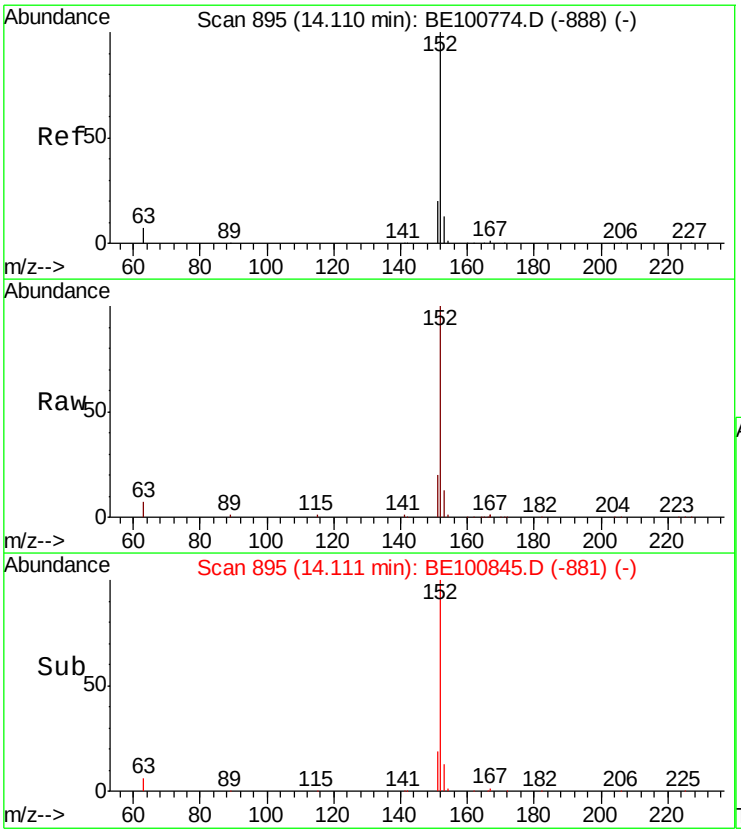
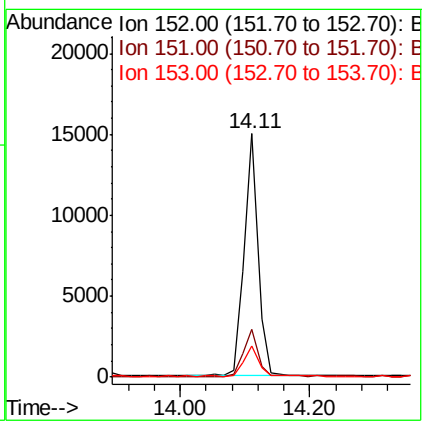
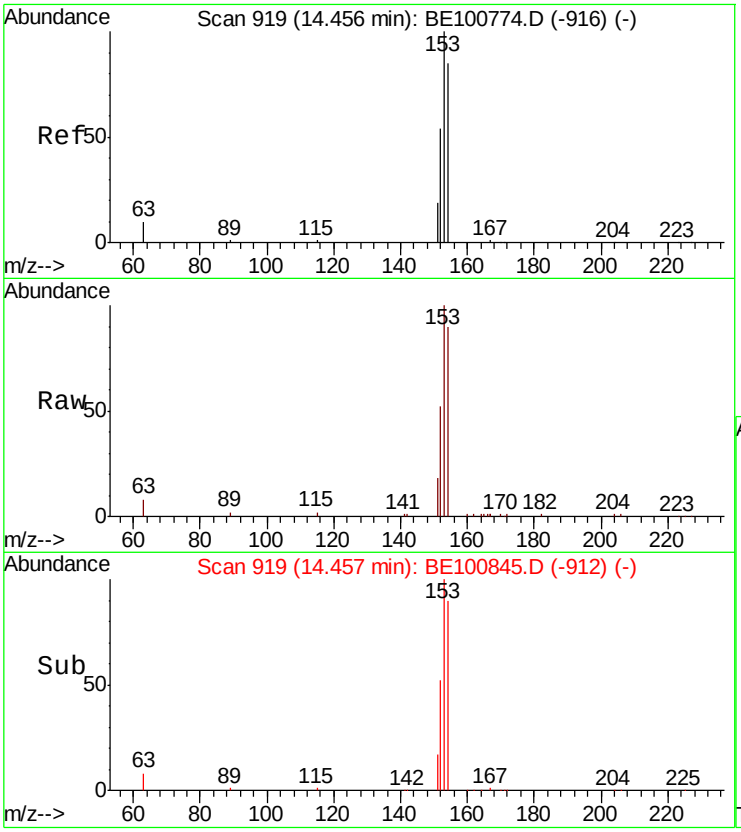


#16
Acenaphthylene
Concen: 0.454 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:152 Resp: 22452

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	13.0	10.4	15.6

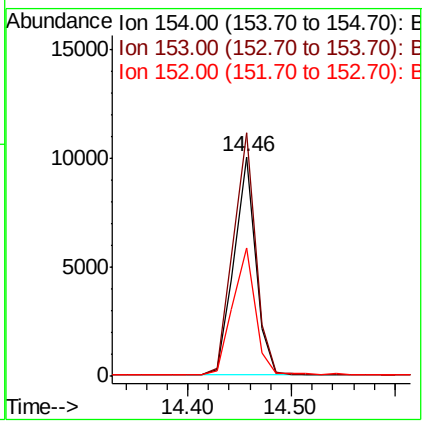




#17
Acenaphthene
Concen: 0.427 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:154 Resp: 14552

Ion	Ratio	Lower	Upper
154	100		
153	114.5	92.2	138.2
152	60.4	49.1	73.7



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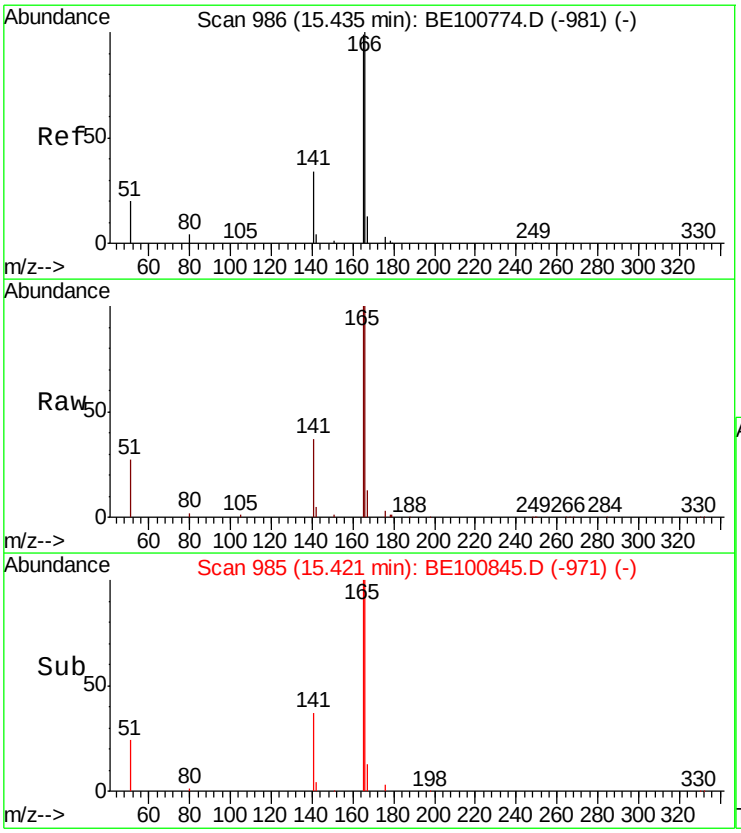
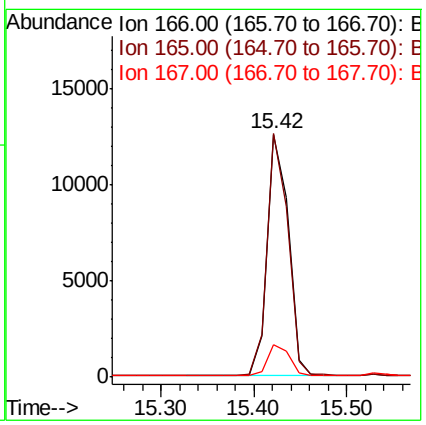
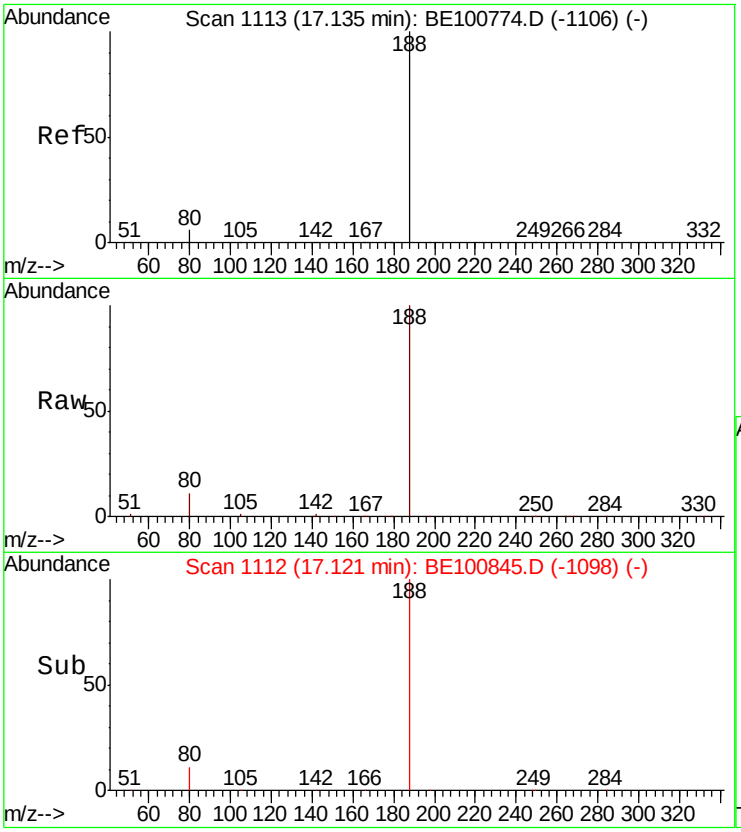


#18
Fluorene
Concen: 0.456 ng
RT: 15.42 min Scan# 985
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:166 Resp: 20024

Ion	Ratio	Lower	Upper
166	100		
165	98.4	80.5	120.7
167	13.5	10.7	16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.12 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:188 Resp: 30621

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.2	5.2	7.8#

Instrument :
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ClientSampleId :
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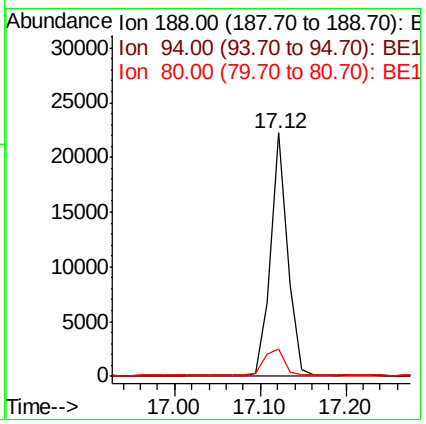
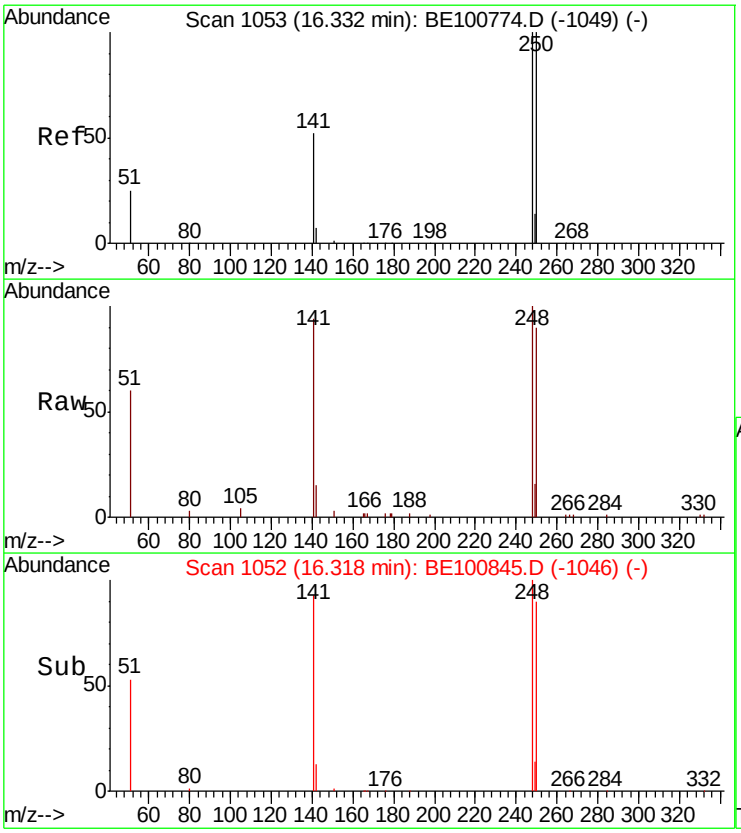
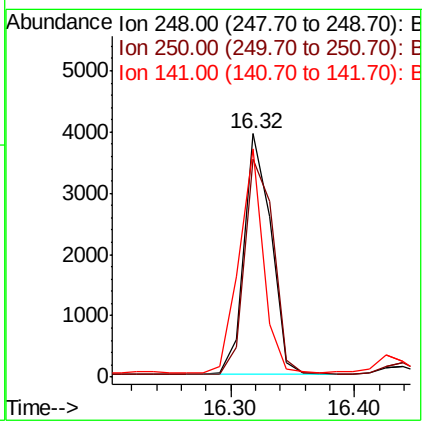


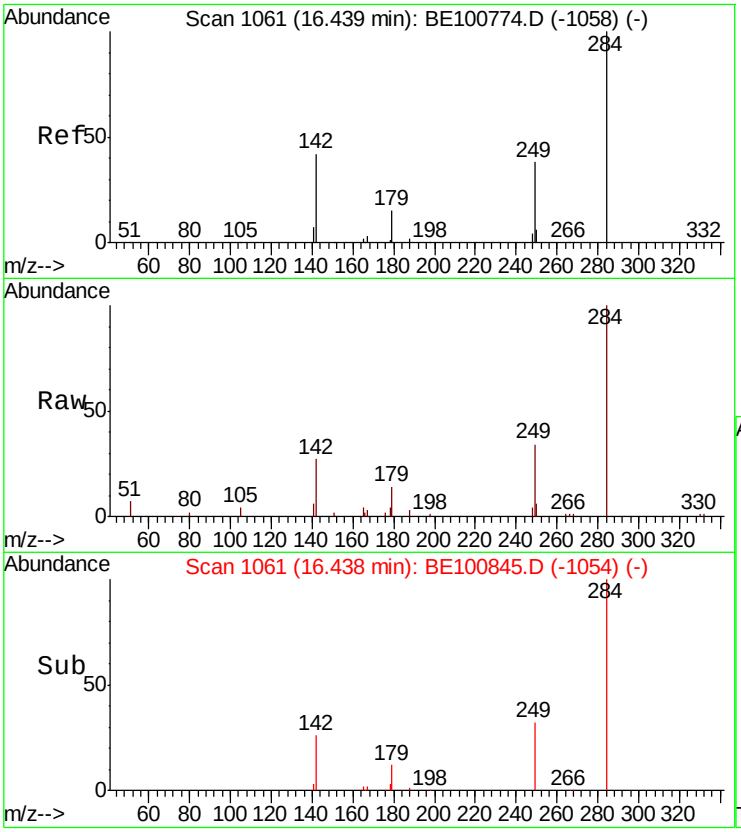


#20
4-Bromophenyl-phenylether
Concen: 0.391 ng
RT: 16.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:248 Resp: 5880

Ion	Ratio	Lower	Upper
248	100		
250	89.8	80.5	120.7
141	93.8	42.6	64.0#

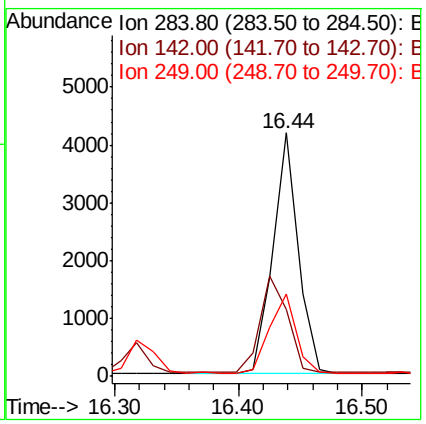




#21
Hexachlorobenzene
Concen: 0.360 ng
RT: 16.44 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:284 Resp: 5871

Ion	Ratio	Lower	Upper
284	100		
142	43.4	34.4	51.6
249	34.2	28.5	42.7



Instrument :
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ClientSampleId :
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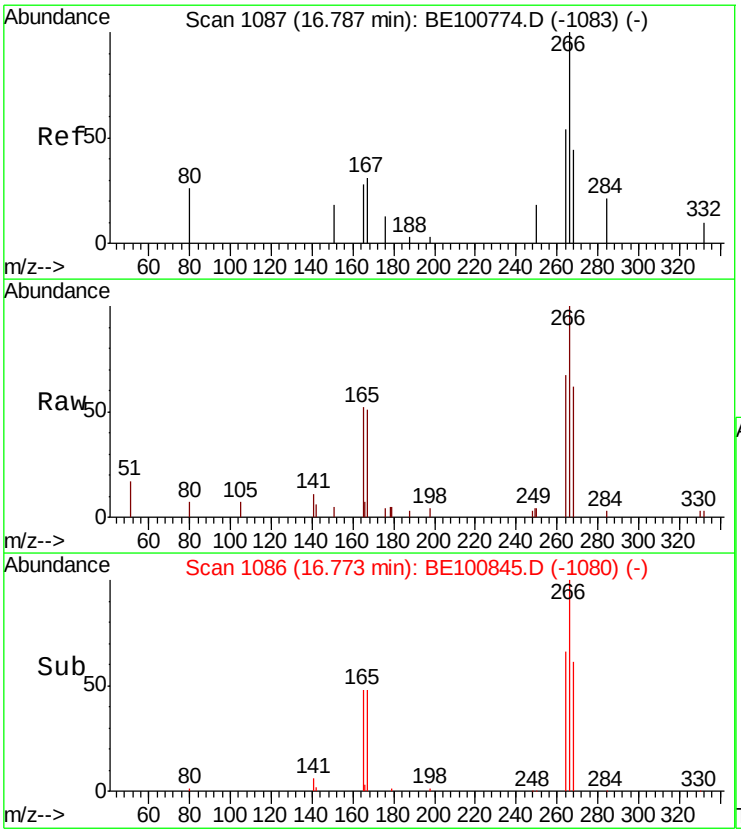
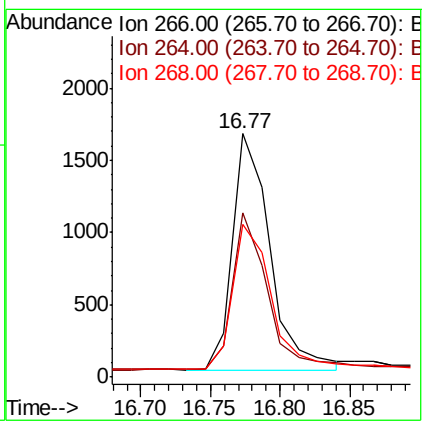
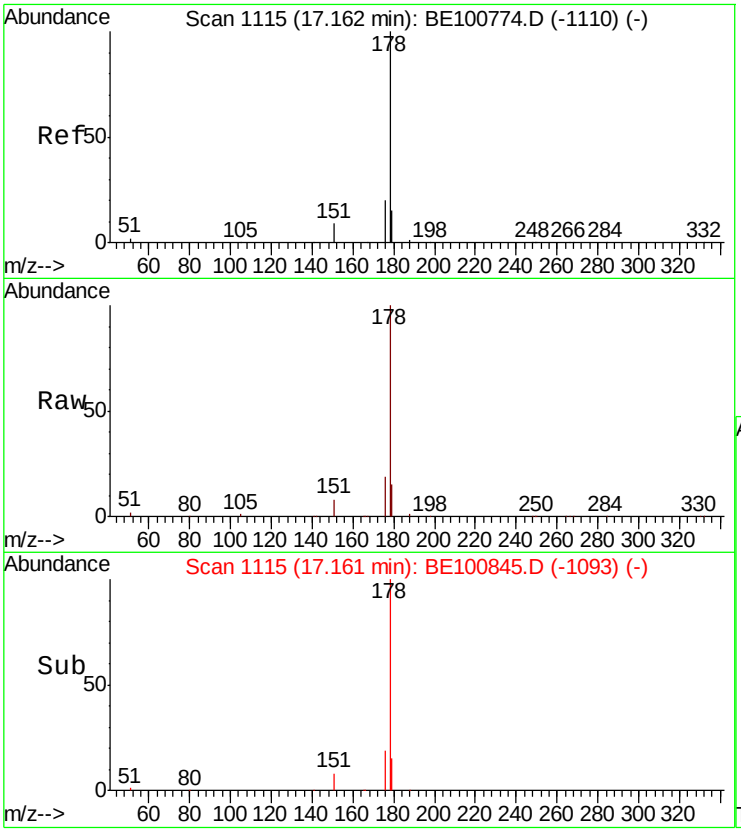


#22
Pentachlorophenol
Concen: 2.689 ng
RT: 16.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:266 Resp: 3036

Ion	Ratio	Lower	Upper
266	100		
264	67.2	63.4	95.0
268	62.5	65.8	98.8#

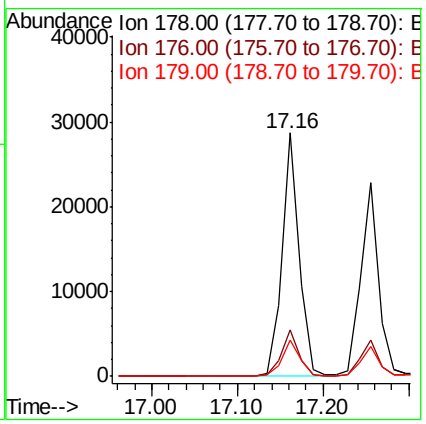




#23
Phenanthrene
Concen: 0.423 ng
RT: 17.16 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:178 Resp: 39200

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.2	12.3	18.5



Instrument :
BNA_E
ClientSampleId :
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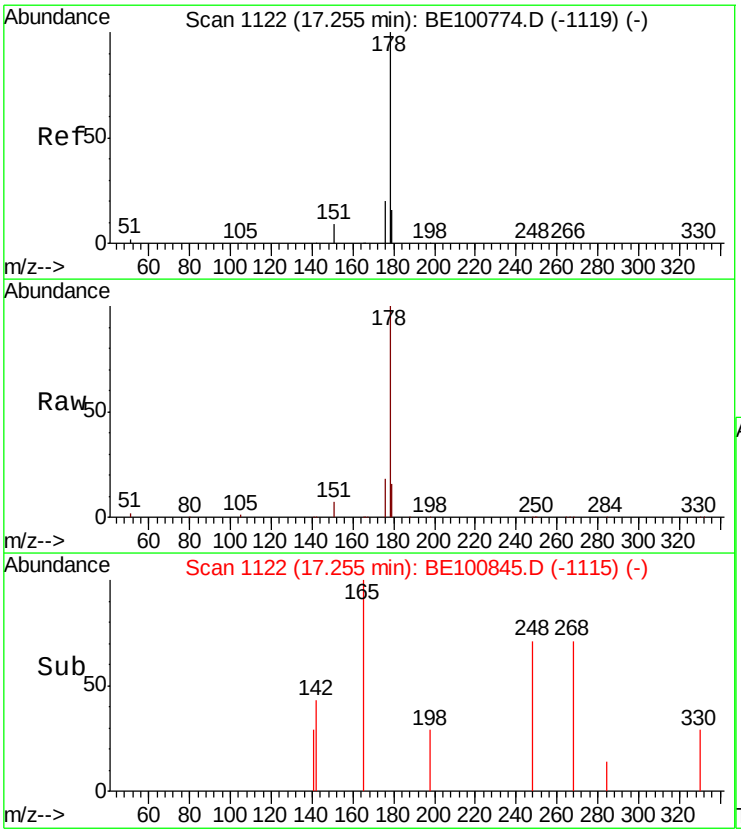
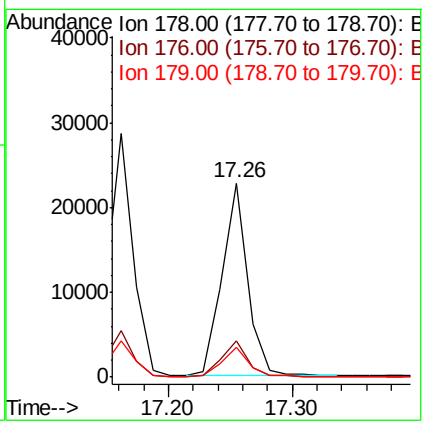
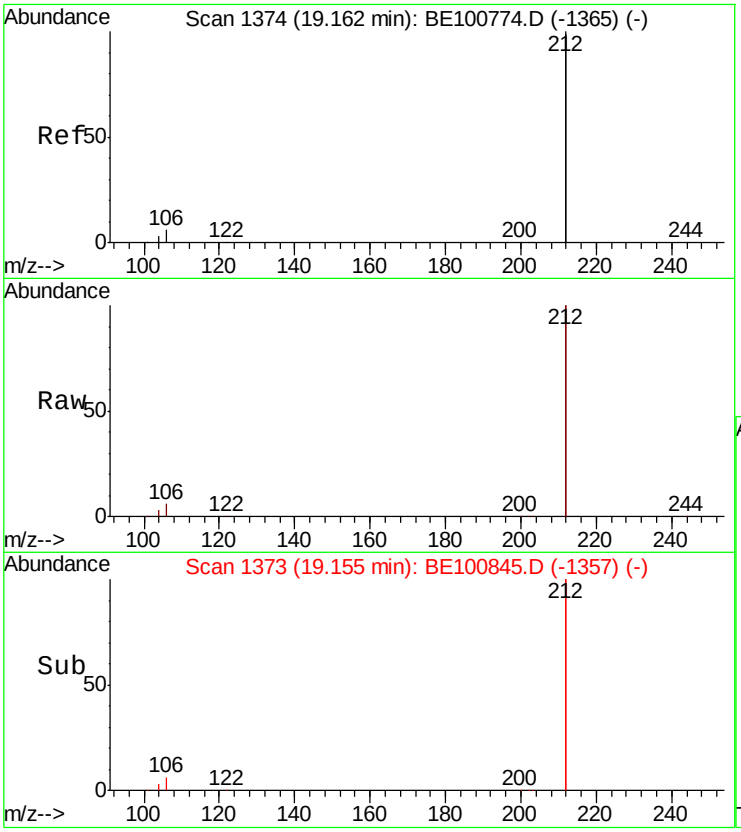


#24
Anthracene
Concen: 0.425 ng
RT: 17.26 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:178 Resp: 32981

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.3	12.7	19.1

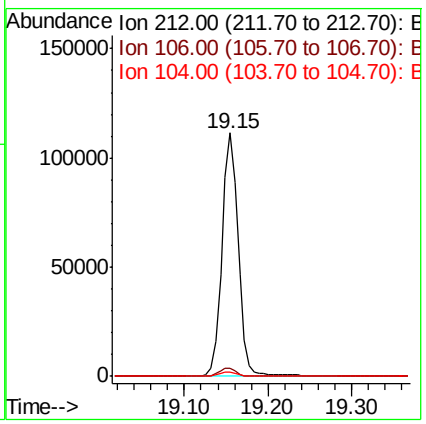




#25
Fluoranthene-d10
Concen: 0.412 ng
RT: 19.15 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:212 Resp: 148948

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.6	3.8
104	1.8	1.4	2.2



Instrument :
BNA_E
ClientSampleId :
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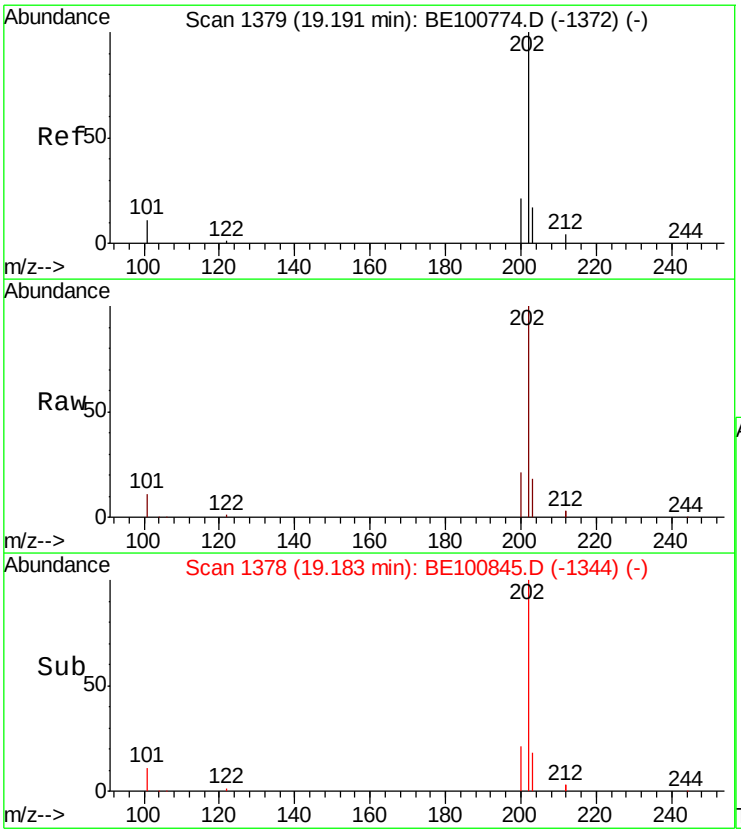
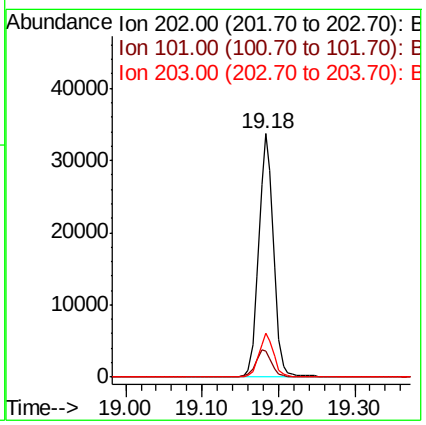
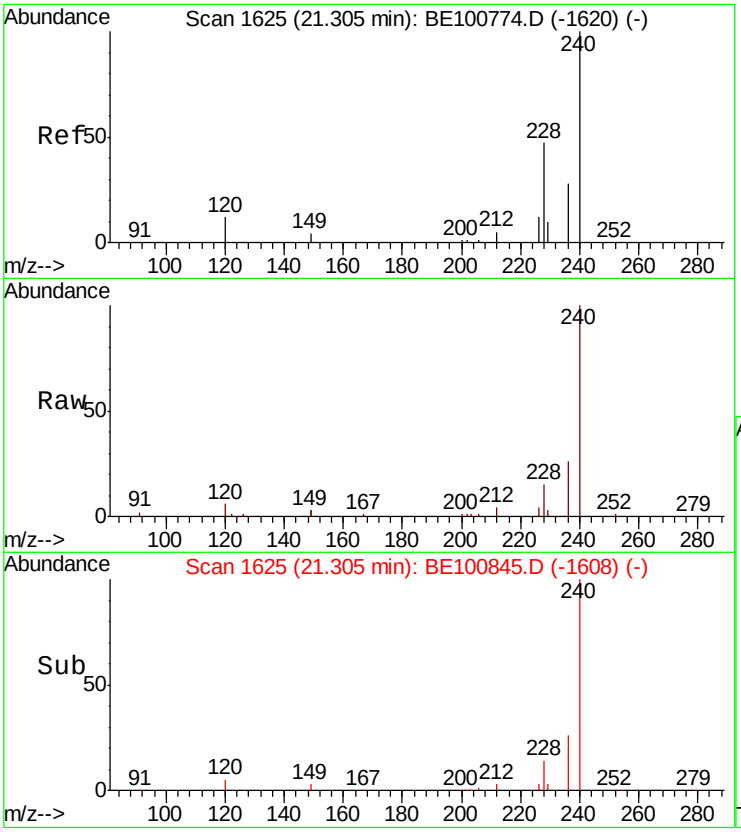


#26
Fluoranthene
Concen: 0.410 ng
RT: 19.18 min Scan# 1378
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:202 Resp: 45365

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.1	13.7
203	17.3	13.8	20.6

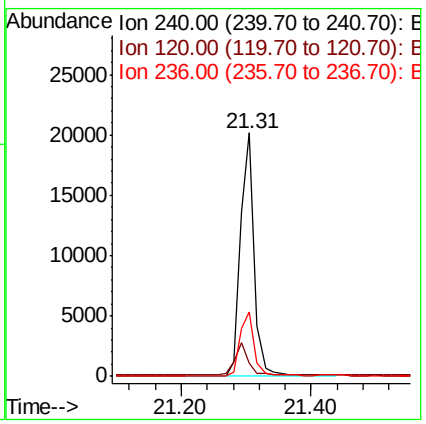




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:240 Resp: 29368

Ion	Ratio	Lower	Upper
240	100		
120	5.5	10.2	15.2#
236	26.4	22.3	33.5



Instrument :
BNA_E
ClientSampleId :
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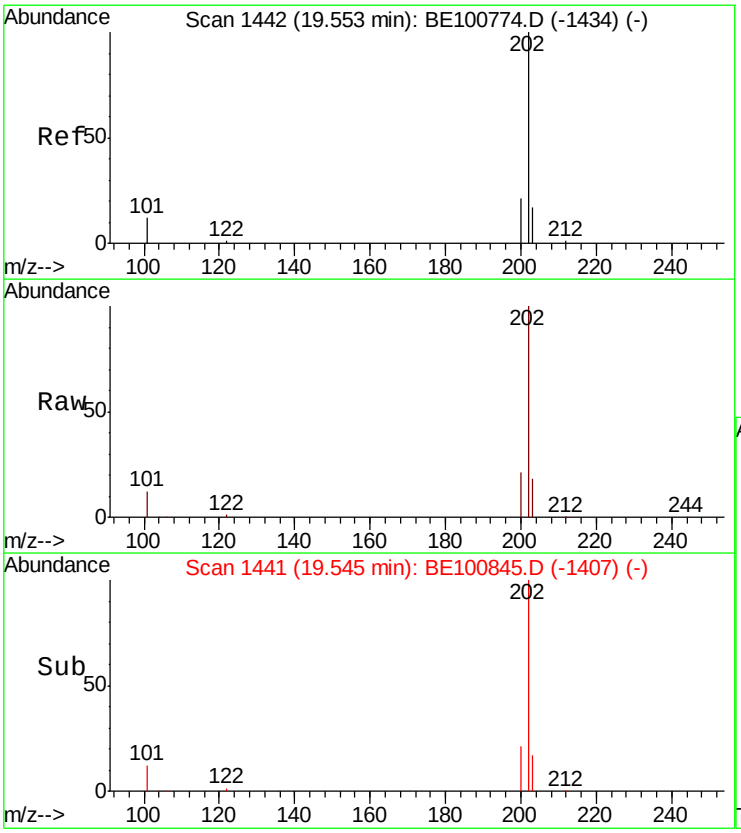
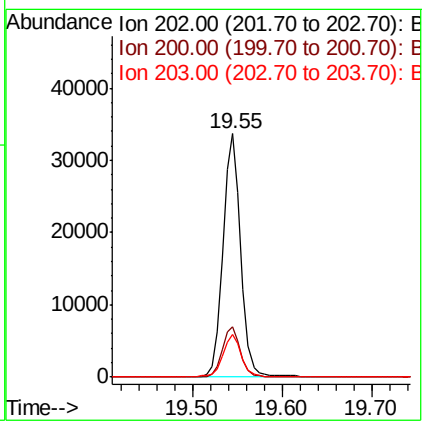
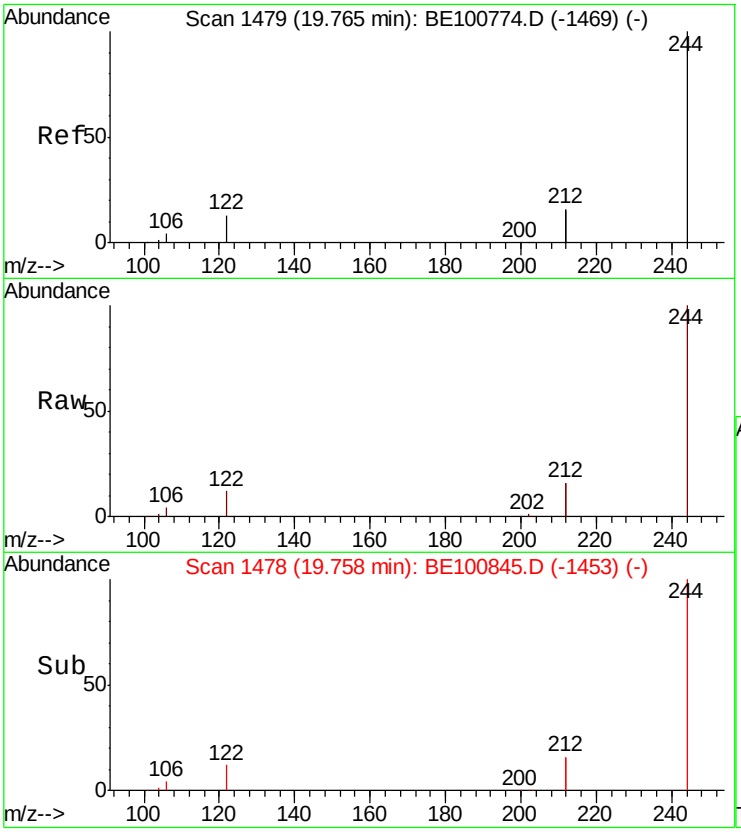


#28
Pyrene
Concen: 0.475 ng
RT: 19.55 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:202 Resp: 45351

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.7	13.9	20.9

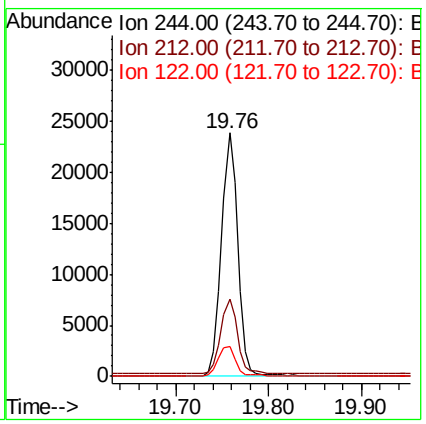




#29
Terphenyl-d14
Concen: 0.410 ng
RT: 19.76 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:244 Resp: 28851

Ion	Ratio	Lower	Upper
244	100		
212	31.7	26.2	39.4
122	12.4	10.2	15.4



Instrument :
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ClientSampleId :
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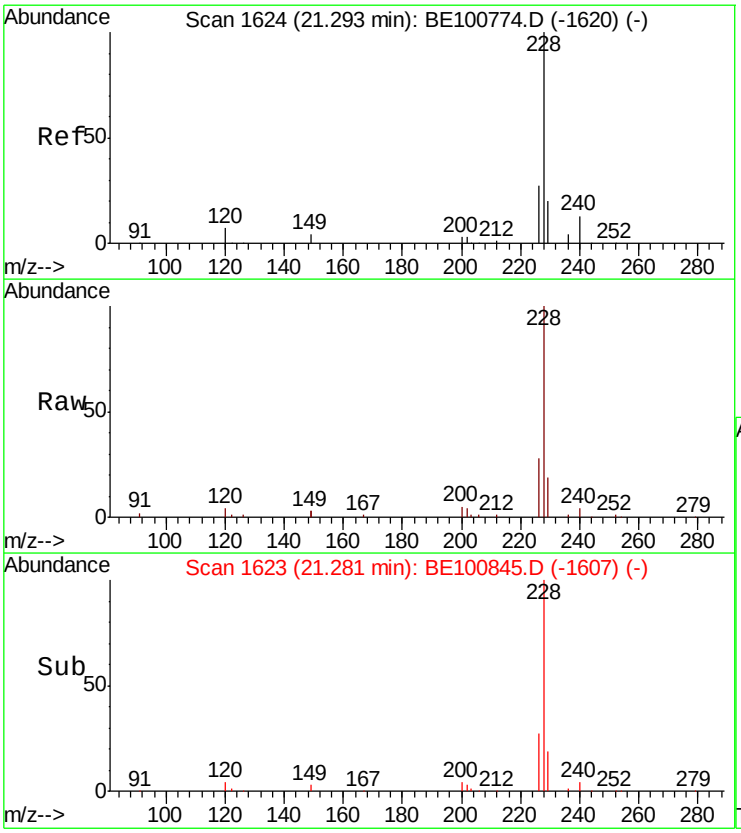
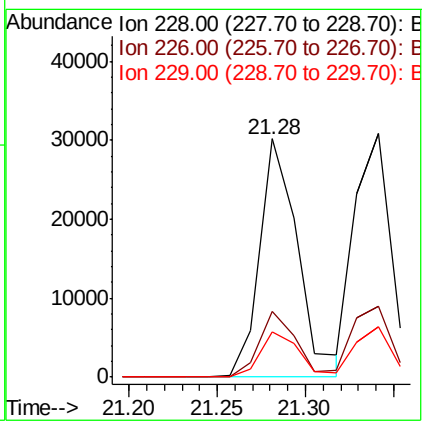
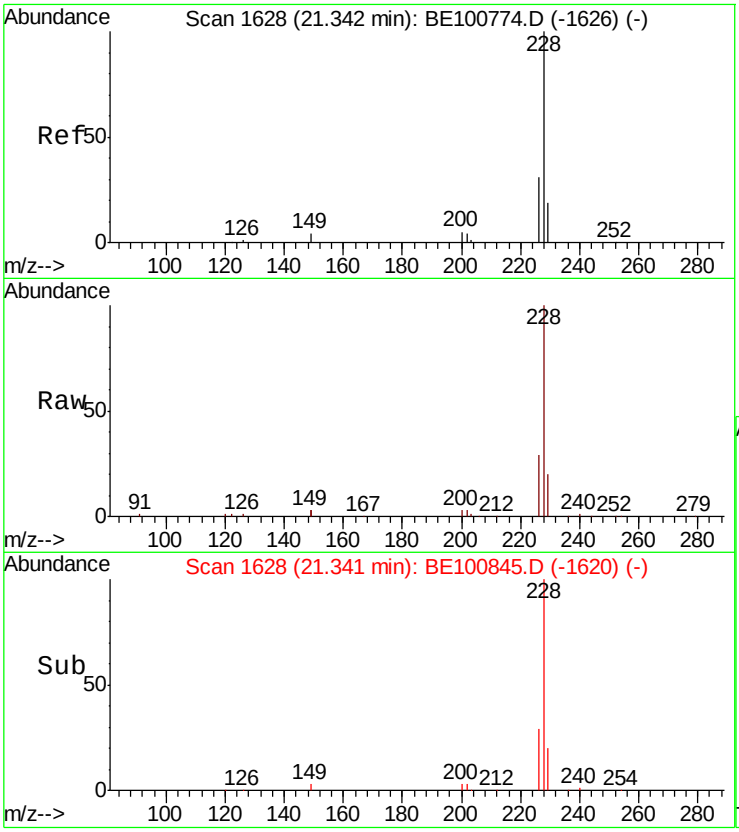


#30
Benzo(a)anthracene
Concen: 0.519 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:228 Resp: 44946

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.5	32.3
229	19.2	16.0	24.0

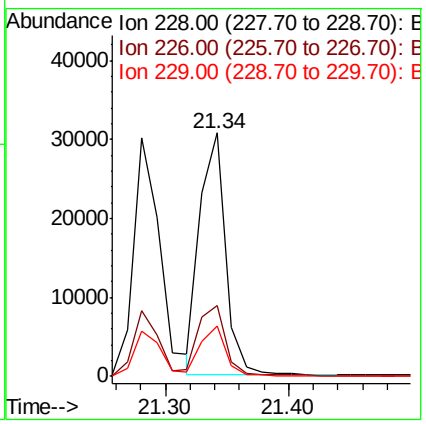




#31
Chrysene
Concen: 0.439 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:228 Resp: 44662

Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.4
229	20.5	15.4	23.2



Instrument :
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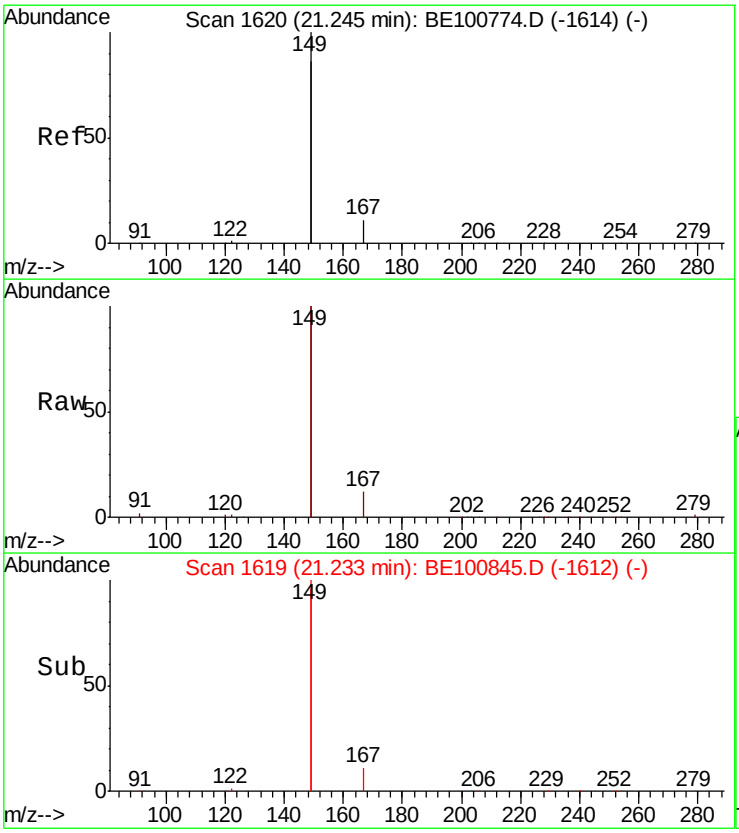
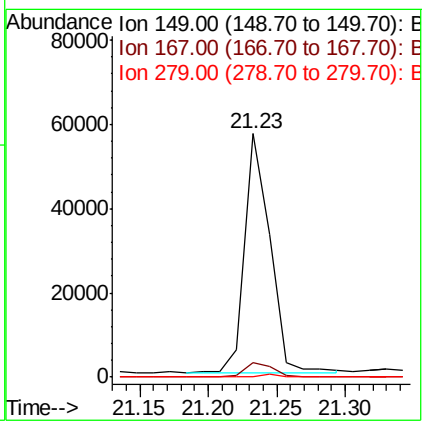
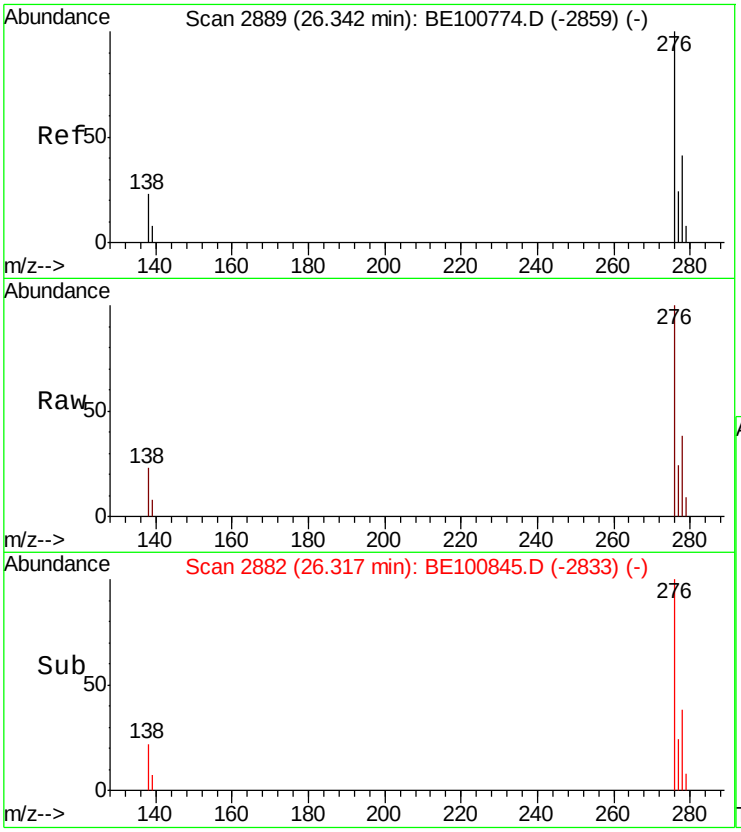


#32
Bis(2-ethylhexyl)phthalate
Concen: 1.069 ng
RT: 21.23 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:149 Resp: 72253

Ion	Ratio	Lower	Upper
149	100		
167	6.3	5.0	7.6
279	0.8	0.7	1.1





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.470 ng
RT: 26.32 min Scan# 2882
Delta R.T. -0.02 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:276 Resp: 41613

Ion	Ratio	Lower	Upper
276	100		
138	10.9	19.4	29.0#
277	24.3	19.8	29.6

Instrument :
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ClientSampleId :
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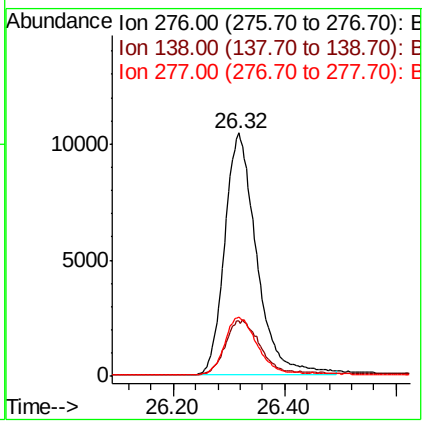
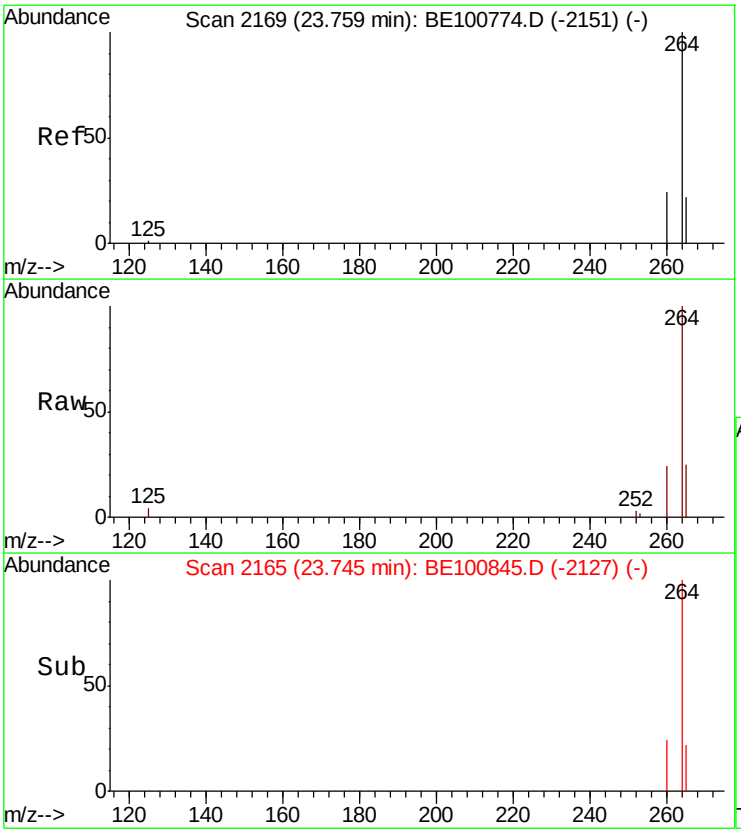
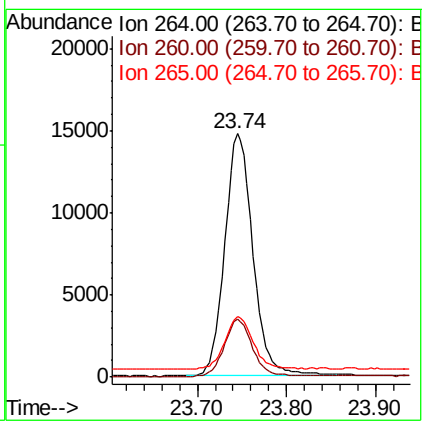


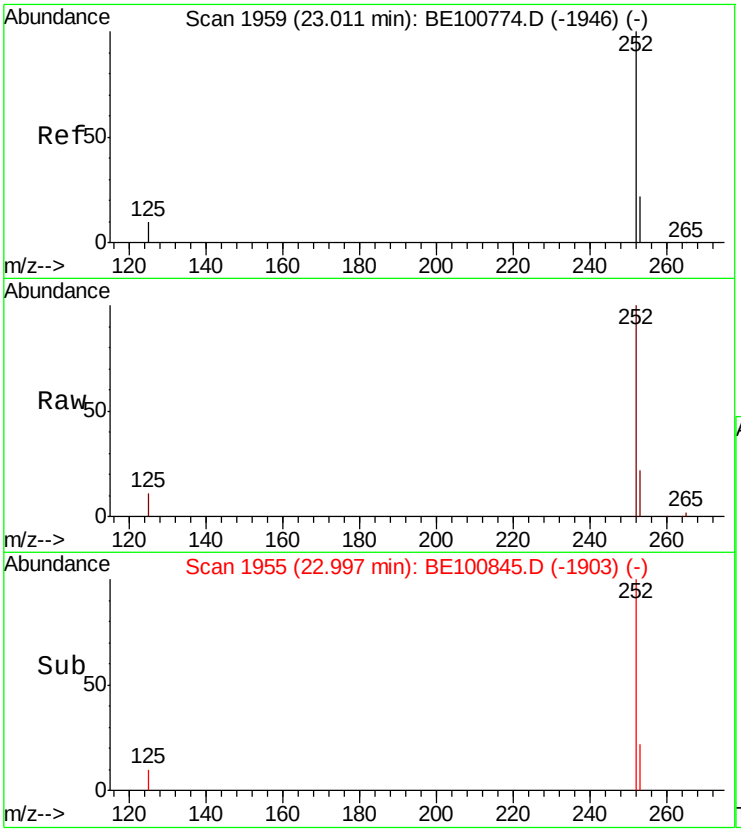


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.74 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:264 Resp: 32829

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	24.8	21.8	32.8

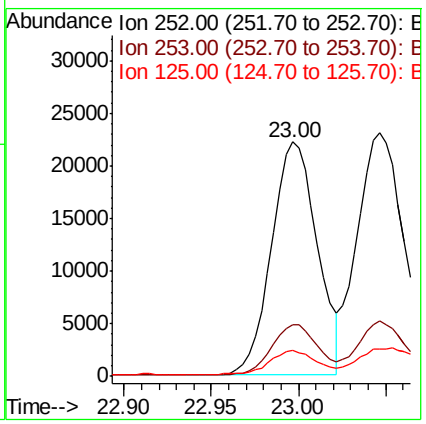




#35
Benzo(b)fluoranthene
Concen: 0.451 ng
RT: 23.00 min Scan# 1955
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:252 Resp: 40497

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	11.2	9.0	13.4



Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MS

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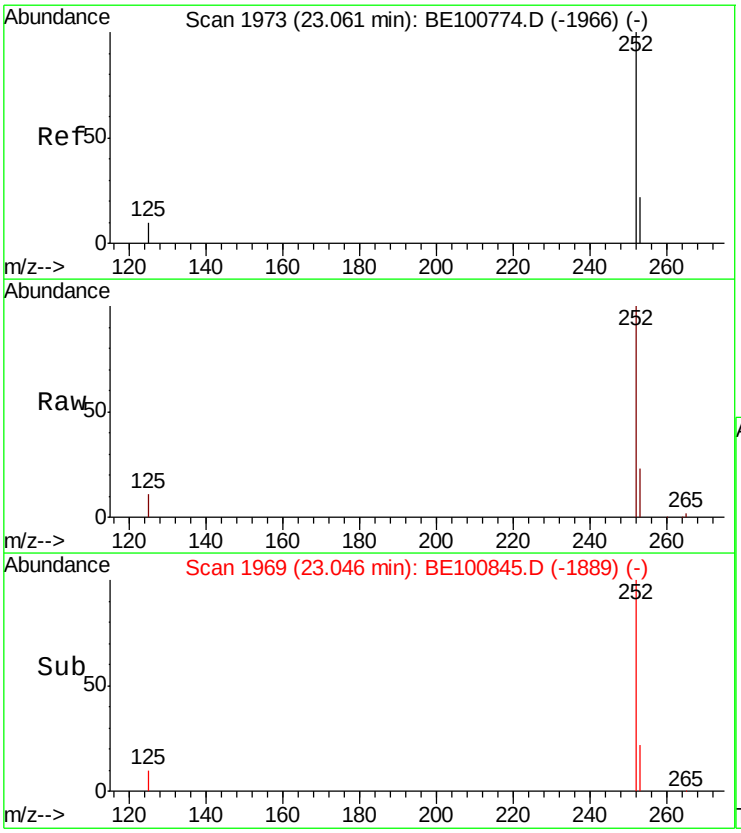
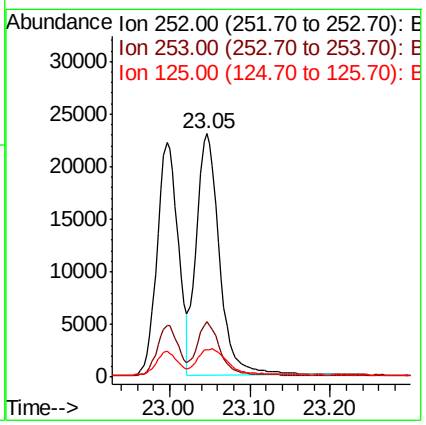
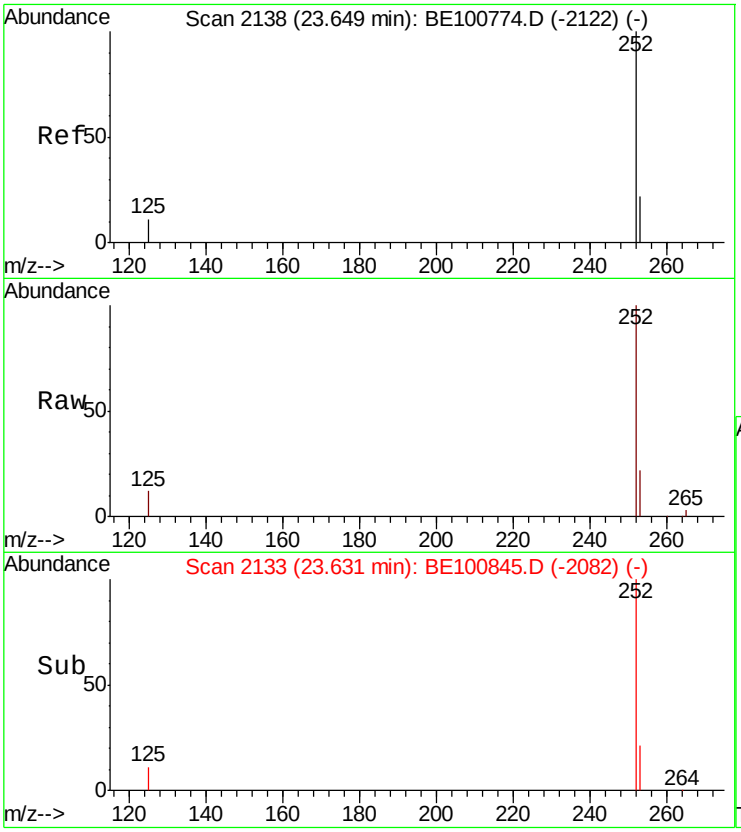


#36
Benzo(k)fluoranthene
Concen: 0.457 ng
RT: 23.05 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:252 Resp: 46047

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	11.3	8.7	13.1

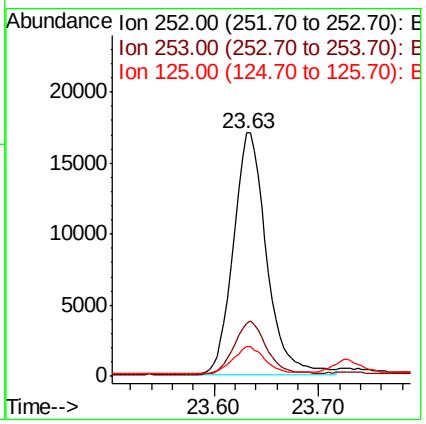




#37
Benzo(a)pyrene
Concen: 0.479 ng
RT: 23.63 min Scan# 2133
Delta R.T. -0.02 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:252 Resp: 37306

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.4
125	12.1	10.4	15.6



Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MS

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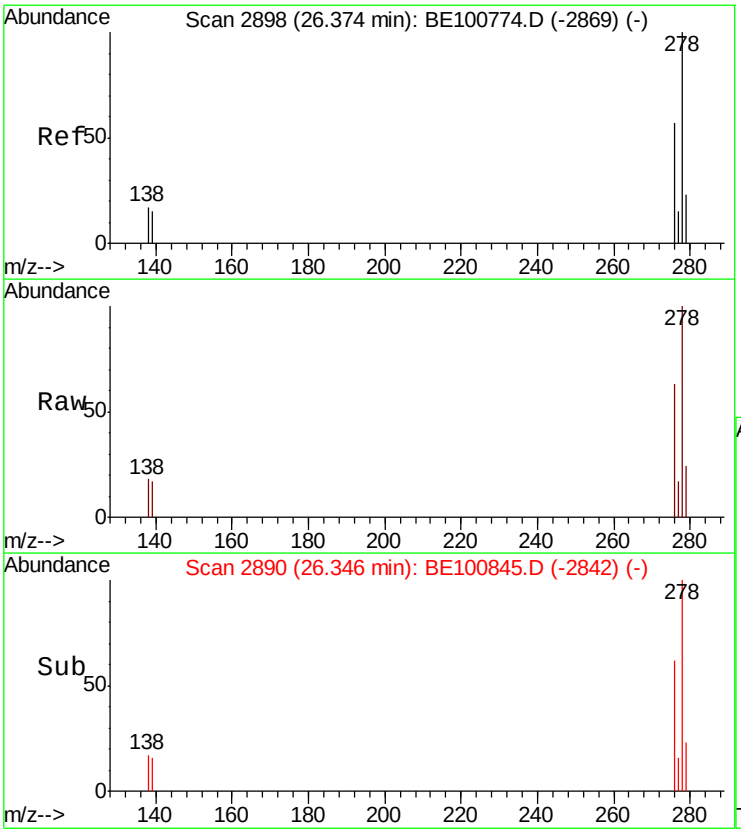
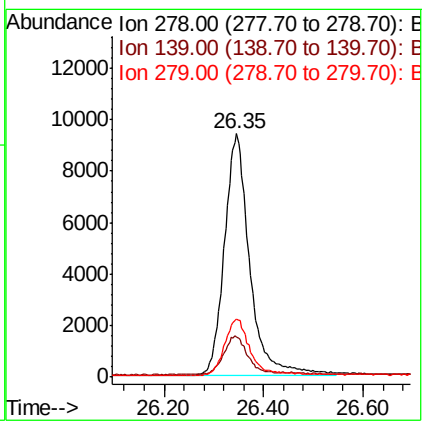
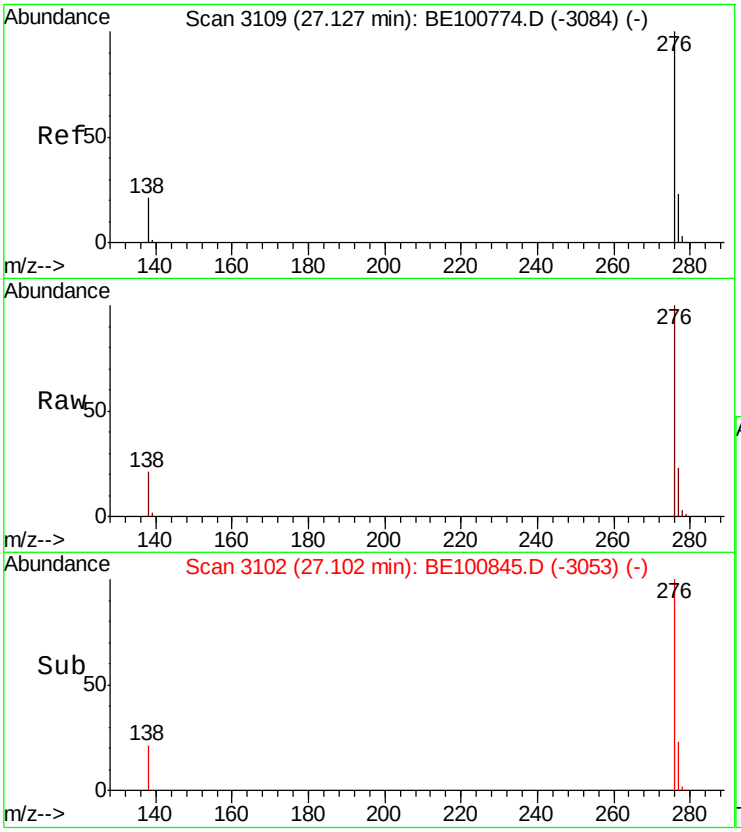


#38
Dibenzo(a,h)anthracene
Concen: 0.430 ng
RT: 26.35 min Scan# 2890
Delta R.T. -0.03 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:278 Resp: 33267

Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.0	19.4
279	24.1	19.6	29.4

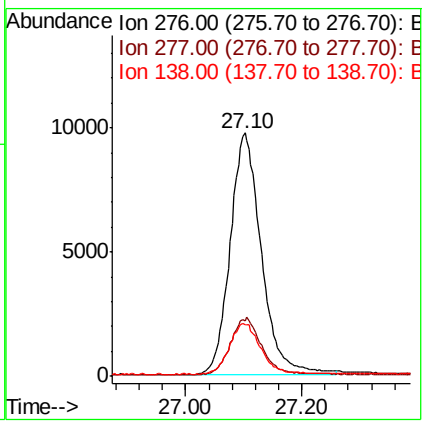




#39
Benzo(g,h,i)perylene
Concen: 0.437 ng
RT: 27.10 min Scan# 3102
Delta R.T. -0.02 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:276 Resp: 36215

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.3	28.9
138	21.4	17.8	26.6



Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MS

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