Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\
Data File : BE100563.D
Acq On : 25 Sep 2019 19:04
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Manual Integrations APPROVED
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Quant Time: Sep 26 18:15:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 18:26:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	5234	0.40	ng		0.00
7) Naphthalene-d8	10.65	136	26547	0.40	ng		0.00
13) Acenaphthene-d10	14.48	164	15163	0.40	ng		0.00
19) Phenanthrene-d10	17.20	188	29561	0.40	ng		0.00
27) Chrysene-d12	21.36	240	30187	0.40	ng		0.00
34) Perylene-d12	23.84	264	36322	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.45	112	6369	0.52	ng		0.01
5) Phenol-d6	7.02	99	9177	0.55	ng		0.00
8) Nitrobenzene-d5	9.00	82	7842	0.51	ng		0.00
11) 2-Methylnaphthalene-d10	12.24	152	16103	0.41	ng		0.00
14) 2,4,6-Tribromophenol	15.96	330	2025	0.83	ng		0.00
15) 2-Fluorobiphenyl	13.12	172	20845	0.39	ng		0.00
25) Fluoranthene-d10	19.23	212	134182	0.38	ng		0.00
29) Terphenyl-d14	19.82	244	31537	0.44	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.34	88	2726	0.361	ng		96
3) n-Nitrosodimethylamine	3.66	42	1933	0.436	ng	#	98
6) bis(2-Chloroethyl)ether	7.28	93	6891	0.406	ng		86
9) Naphthalene	10.69	128	107443	0.390	ng		100
10) Hexachlorobutadiene	10.99	225	3235	0.368	ng		98
12) 2-Methylnaphthalene	12.31	142	17902	0.409	ng		98
16) Acenaphthylene	14.21	152	48146	0.771	ng		98
17) Acenaphthene	14.56	154	18383	0.436	ng		96
18) Fluorene	15.51	166	22904	0.434	ng		95
20) 4-Bromophenyl-phenylether	16.40	248	5901	0.425	ng		89
21) Hexachlorobenzene	16.53	284	4654	0.385	ng		100
22) Pentachlorophenol	16.87	266	2157	0.881	ng		97
23) Phenanthrene	17.24	178	38188	0.464	ng		98
24) Anthracene	17.34	178	33898	0.489	ng		99
26) Fluoranthene	19.26	202	43824	0.441	ng		98
28) Pyrene	19.62	202	49452m	0.569	ng		
30) Benzo(a)anthracene	21.35	228	42788	0.531	ng	#	66
31) Chrysene	21.40	228	39225	0.427	ng	#	87
32) Bis(2-ethylhexyl)phthalate	21.28	149	101686	1.170	ng		98
33) Indeno(1,2,3-cd)pyrene	26.46	276	47266	0.463	ng		97
35) Benzo(b)fluoranthene	23.09	252	42394	0.431	ng	#	82
36) Benzo(k)fluoranthene	23.13	252	41161	0.362	ng	#	80
37) Benzo(a)pyrene	23.73	252	41539	0.453	ng	#	80
38) Dibenzo(a,h)anthracene	26.48	278	38975	0.408	ng	#	81
39) Benzo(g,h,i)perylene	27.27	276	40581	0.407	ng	#	78

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

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Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
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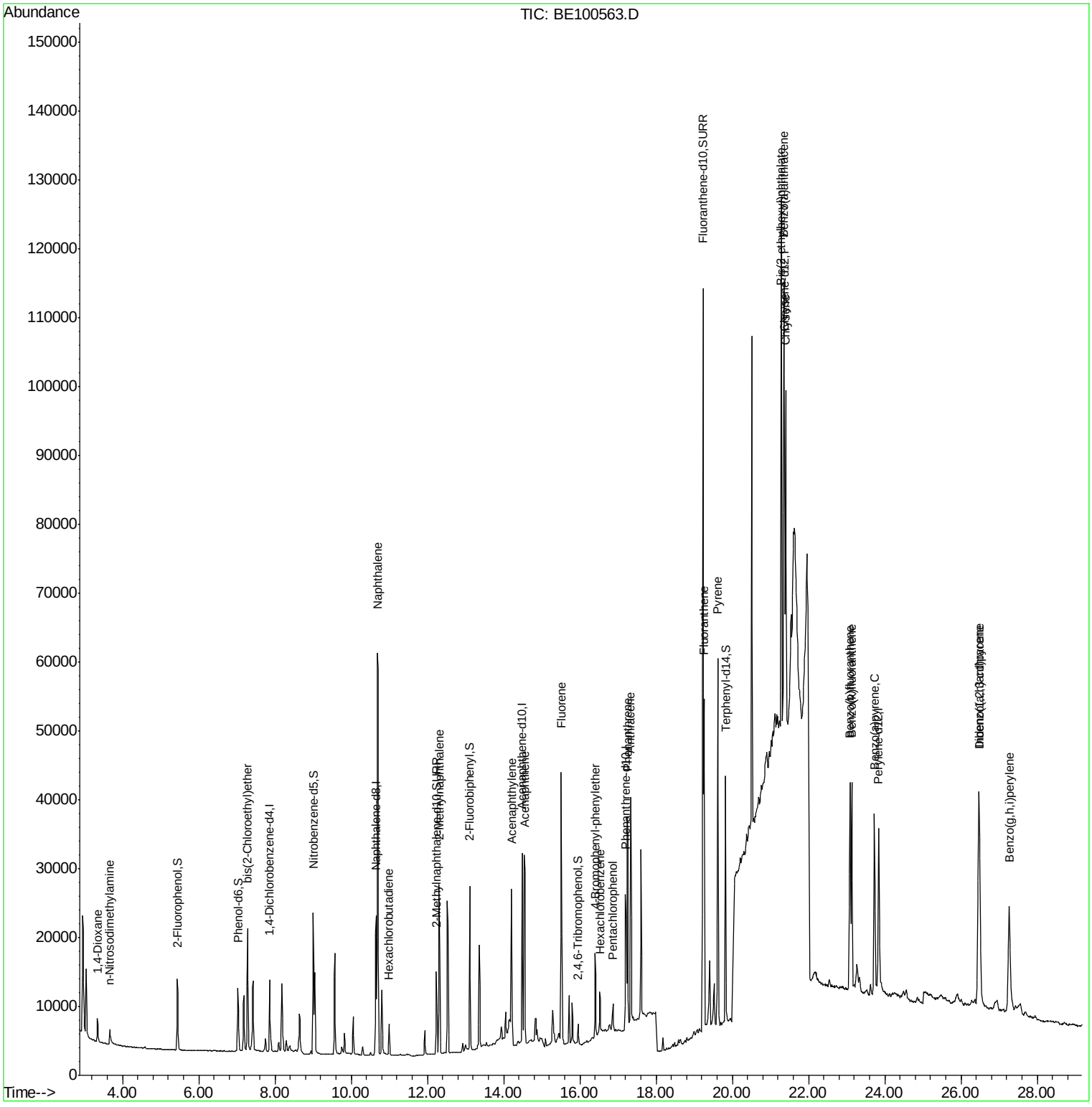
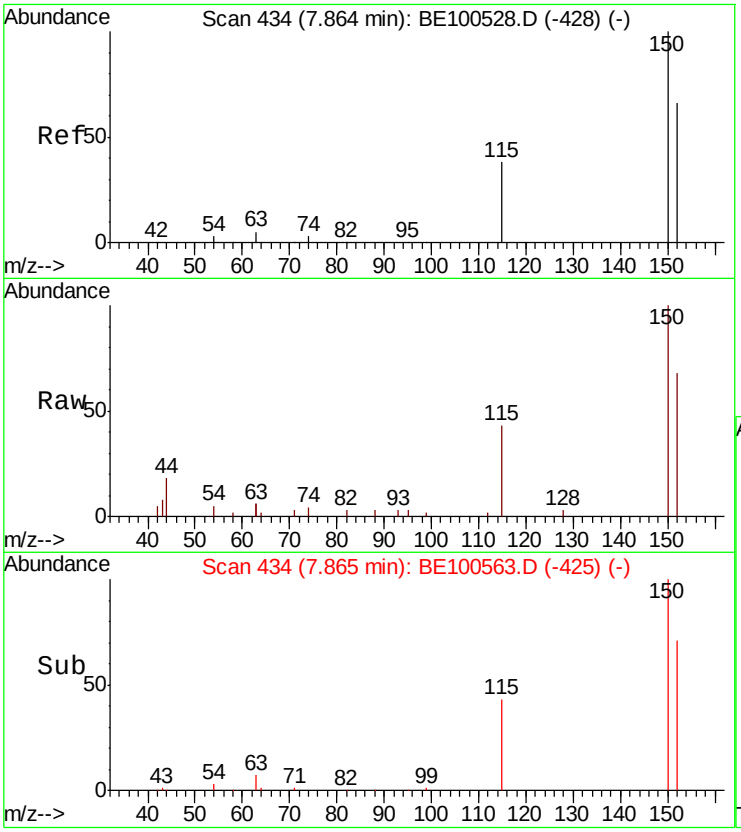
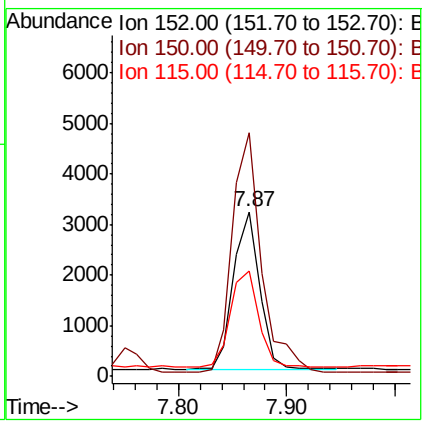




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:152 Resp: 5234

Ion	Ratio	Lower	Upper
152	100		
150	148.1	121.6	182.4
115	63.9	48.2	72.4



Instrument :
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ClientSampleId :
SSTDCCC0.4EC

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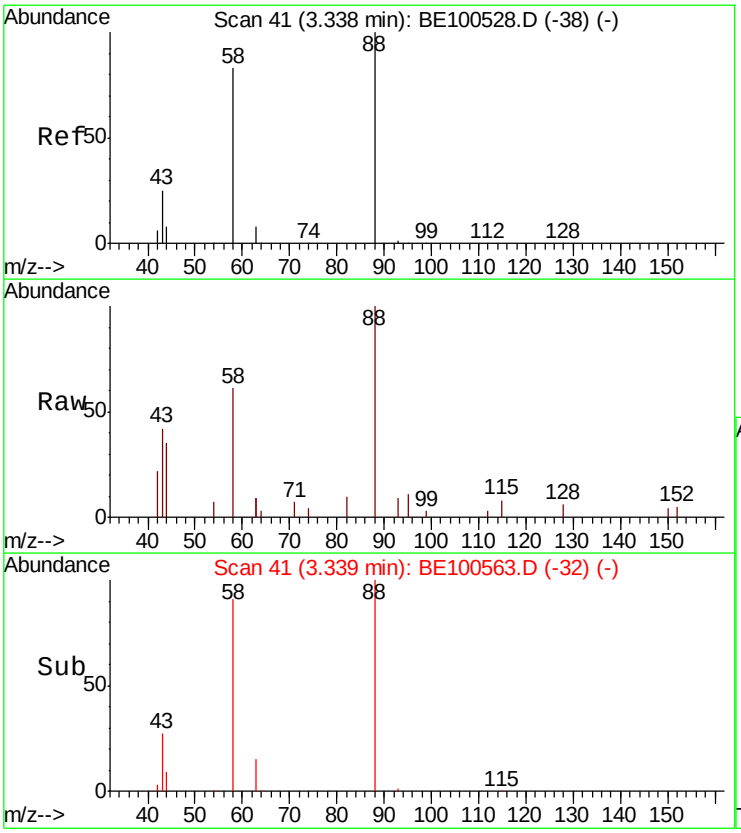
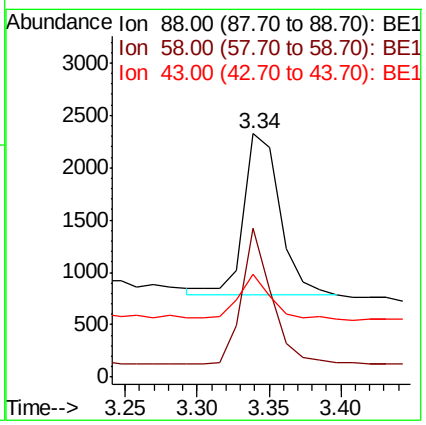
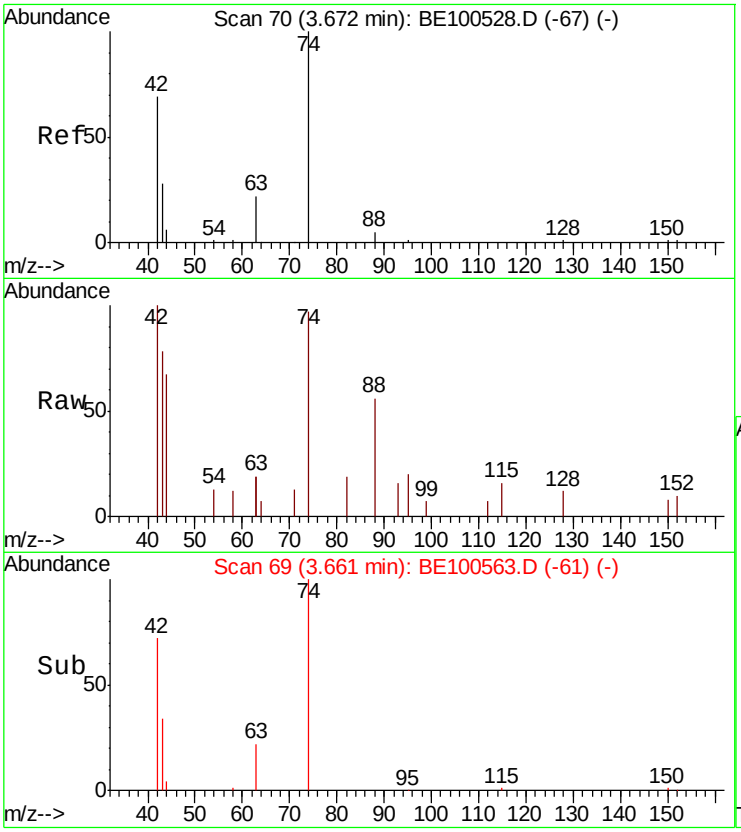


#2
1,4-Dioxane
Concen: 0.361 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion: 88 Resp: 2726

Ion	Ratio	Lower	Upper
88	100		
58	68.8	53.3	79.9
43	24.7	16.9	25.3

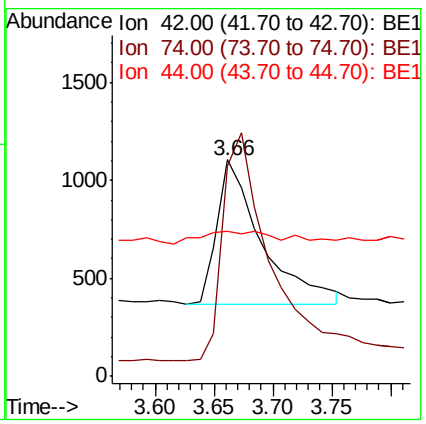




#3
n-Nitrosodimethylamine
Concen: 0.436 ng
RT: 3.66 min Scan# 69
Delta R.T. -0.01 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion: 42 Resp: 1933

Ion	Ratio	Lower	Upper
42	100		
74	169.0	133.8	200.6
44	17.1	6.4	9.6#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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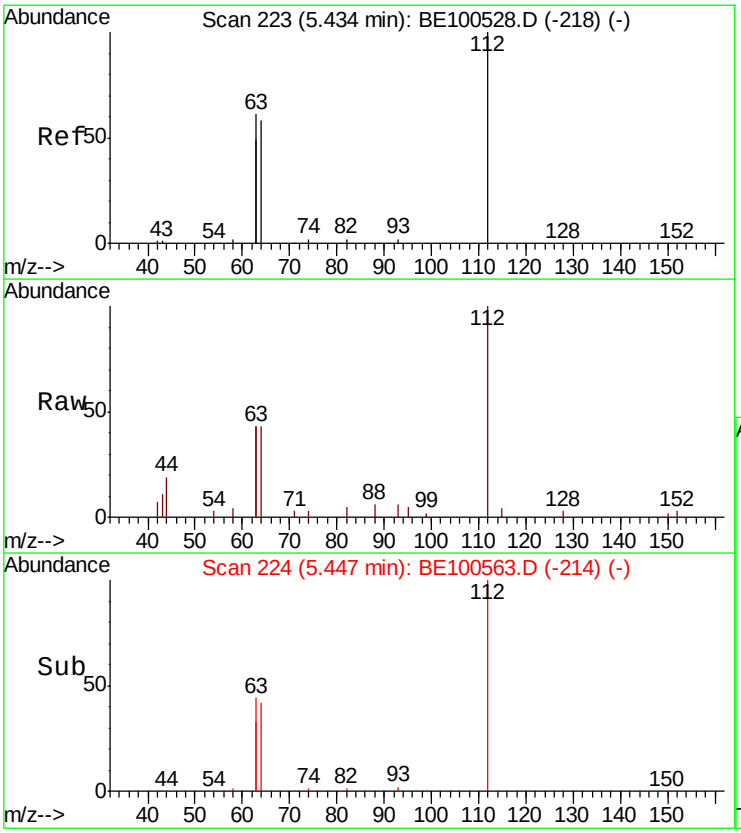
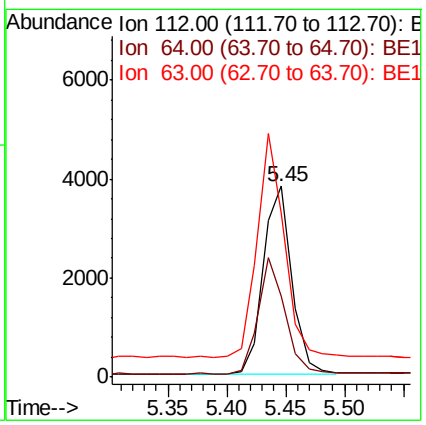
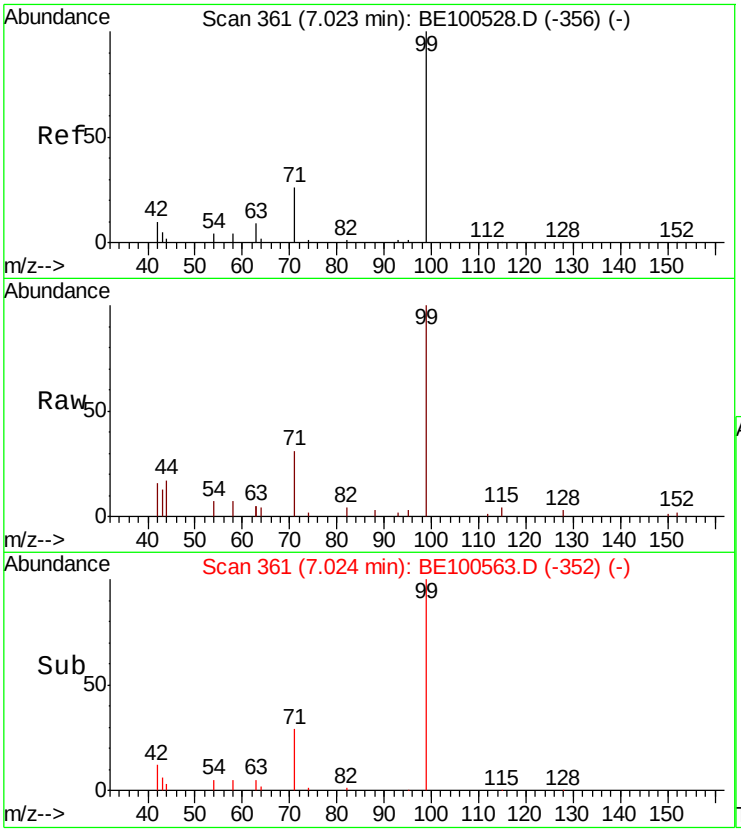


#4
2-Fluorophenol
Concen: 0.520 ng
RT: 5.45 min Scan# 224
Delta R.T. 0.01 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:112 Resp: 6369

Ion	Ratio	Lower	Upper
112	100		
64	58.1	44.1	66.1
63	113.8	86.5	129.7

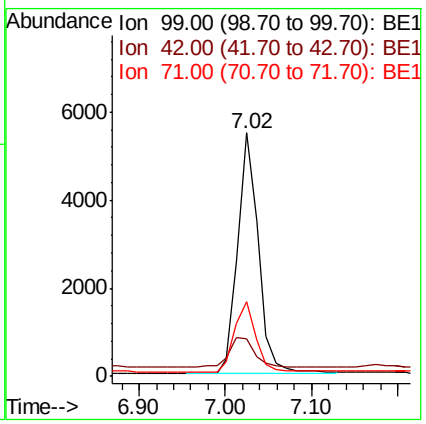




#5
Phenol-d6
Concen: 0.547 ng
RT: 7.02 min Scan# 361
Delta R.T. 0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion: 99 Resp: 9177

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.0	19.6
71	30.3	23.4	35.0



Instrument :
BNA_E
ClientSampleId :
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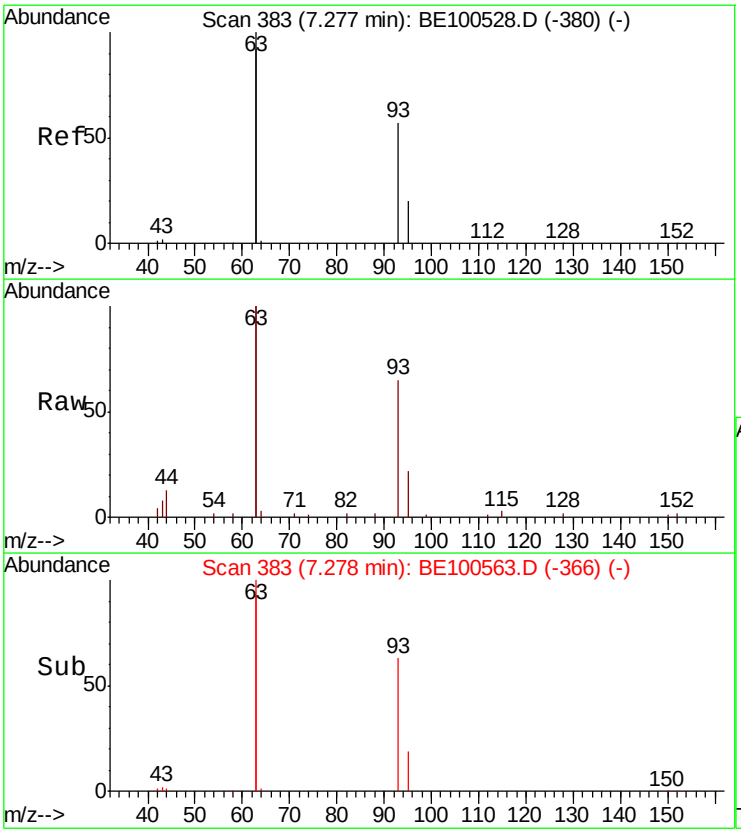
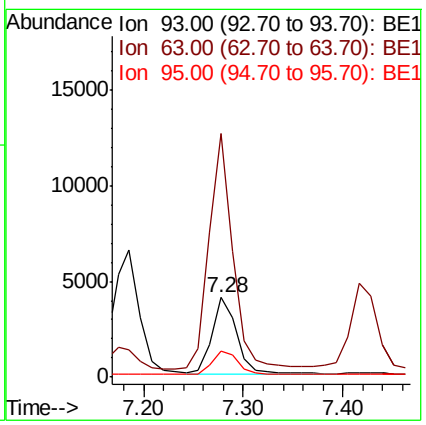
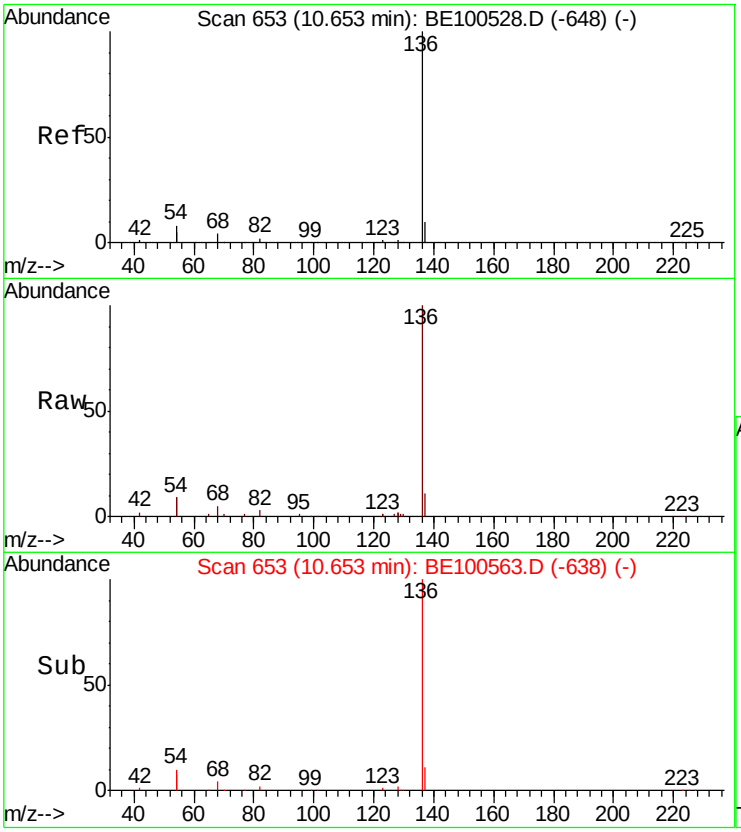


#6
bis(2-Chloroethyl)ether
Concen: 0.406 ng
RT: 7.28 min Scan# 383
Delta R.T. 0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion: 93 Resp: 6891

Ion	Ratio	Lower	Upper
93	100		
63	293.3	213.4	320.0
95	32.2	23.7	35.5

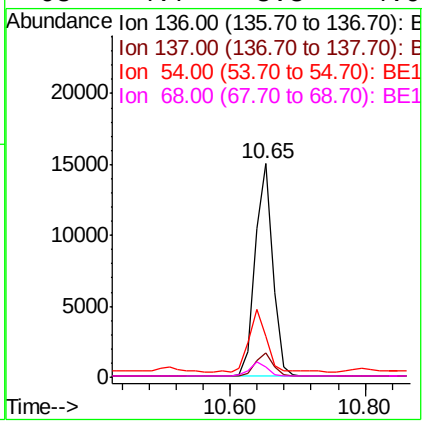




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:136 Resp: 26547

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	19.0	12.4	18.6#
68	4.7	3.3	4.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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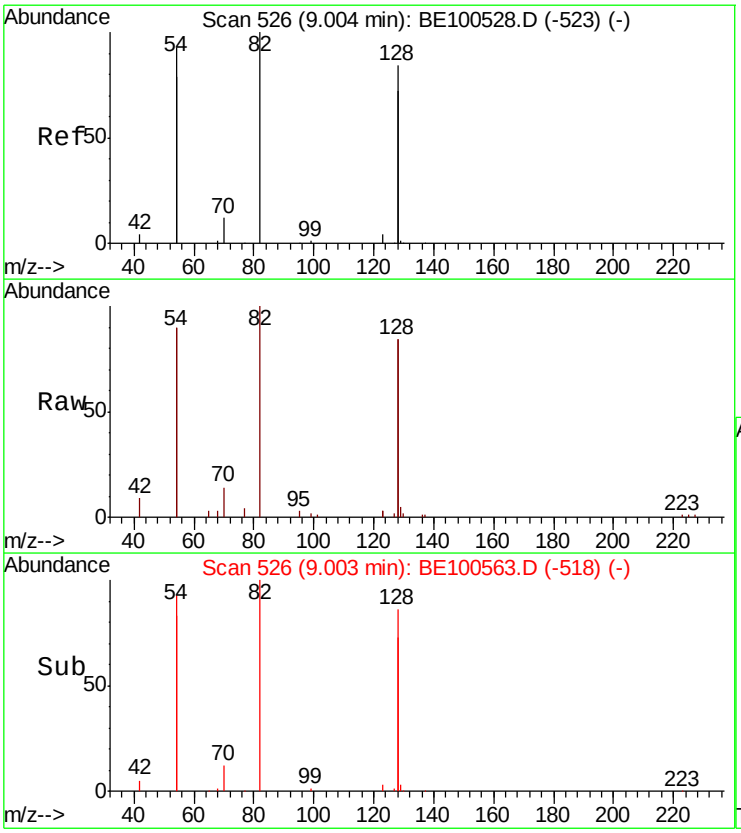
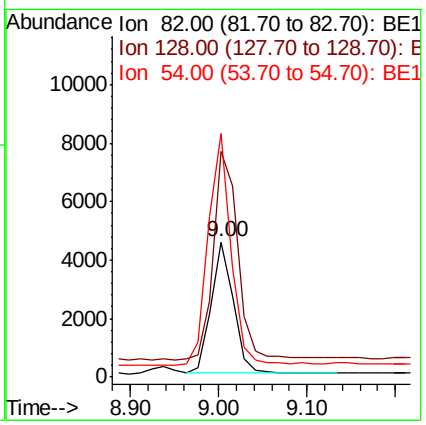
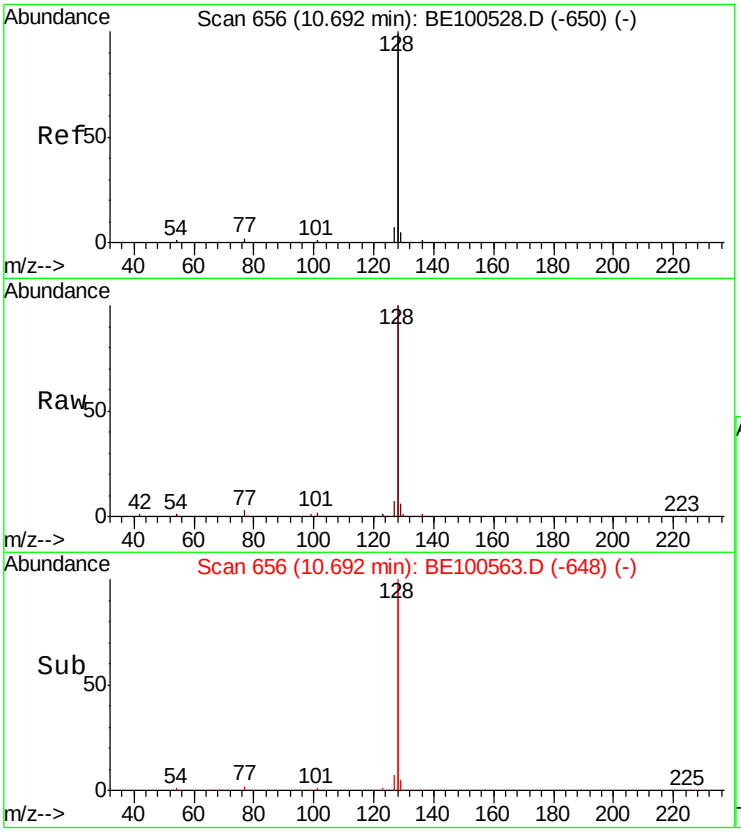


#8
Nitrobenzene-d5
Concen: 0.512 ng
RT: 9.00 min Scan# 526
Delta R.T. -0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion: 82 Resp: 7842

Ion	Ratio	Lower	Upper
82	100		
128	167.7	129.4	194.2
54	180.5	143.3	214.9

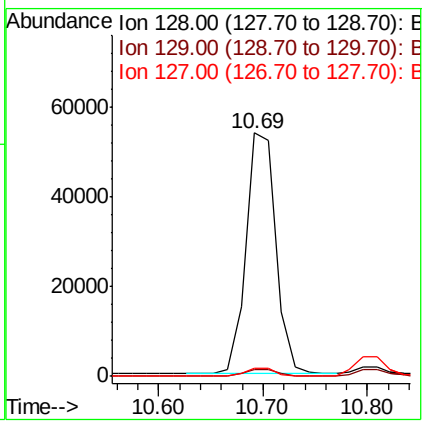




#9
Naphthalene
Concen: 0.390 ng
RT: 10.69 min Scan# 656
Delta R.T. -0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:128 Resp: 107443

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.2	3.4
127	3.5	2.7	4.1



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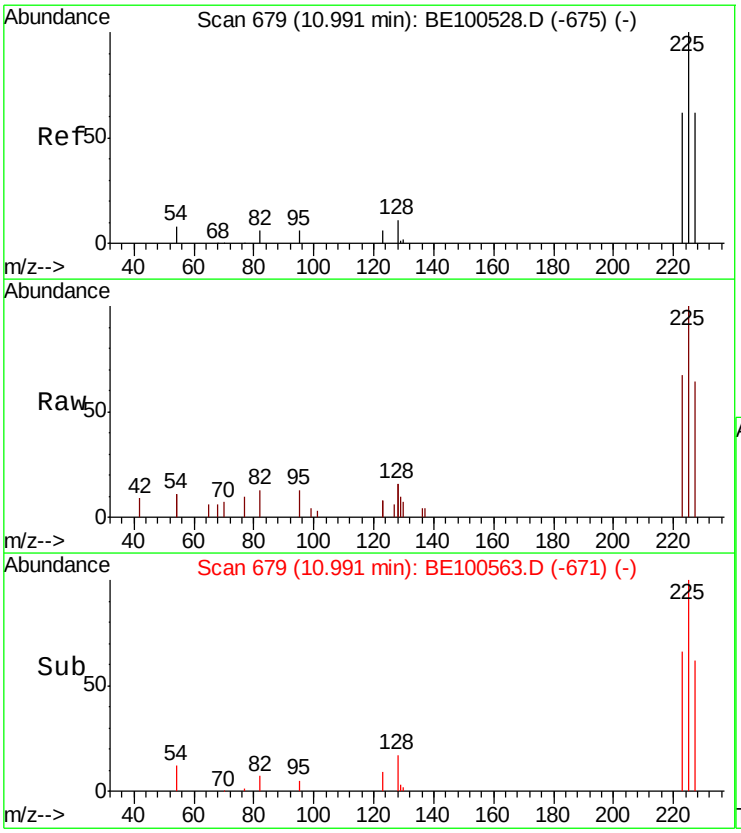
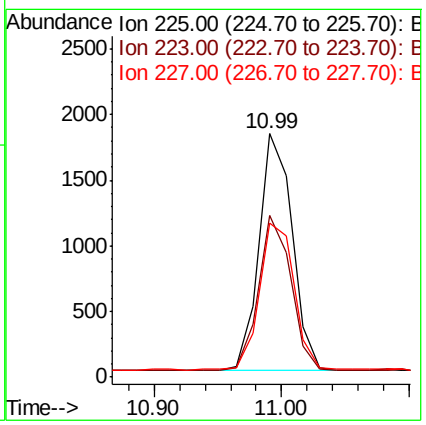
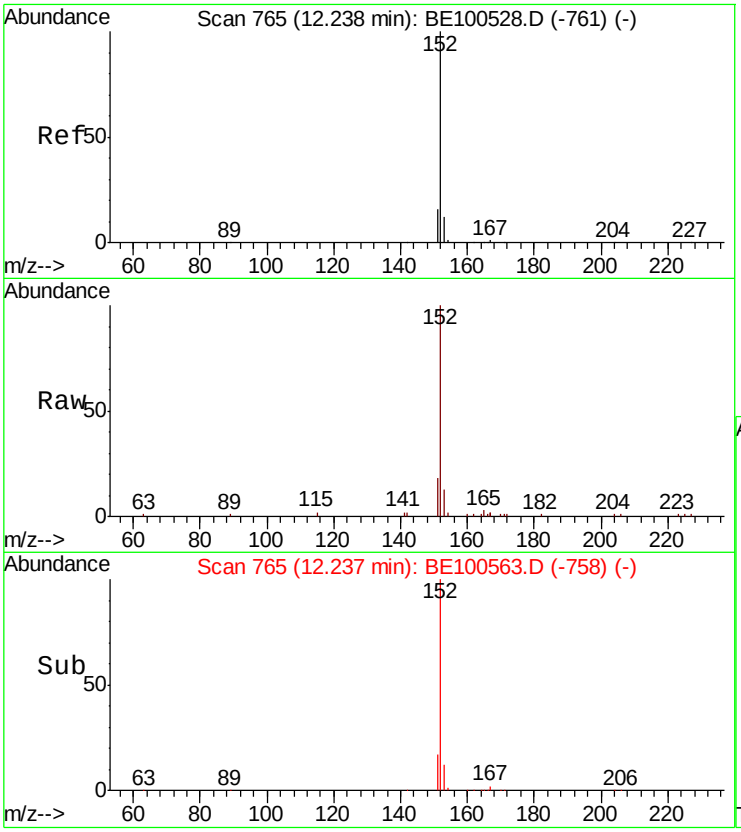


#10
Hexachlorobutadiene
Concen: 0.368 ng
RT: 10.99 min Scan# 679
Delta R.T. -0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:225 Resp: 3235

Ion	Ratio	Lower	Upper
225	100		
223	64.2	49.7	74.5
227	65.1	51.4	77.2





#11
2-Methylnaphthalene-d10
Concen: 0.406 ng
RT: 12.24 min Scan# 765
Delta R.T. -0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:152 Resp: 16103

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.3	22.9

Instrument :
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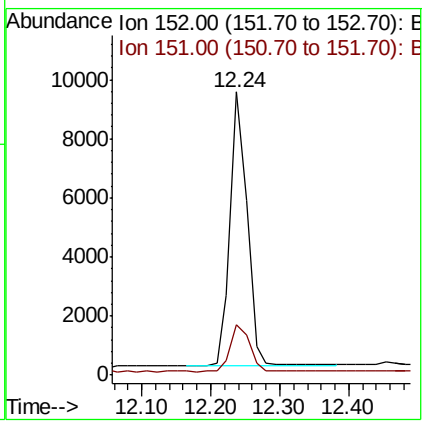
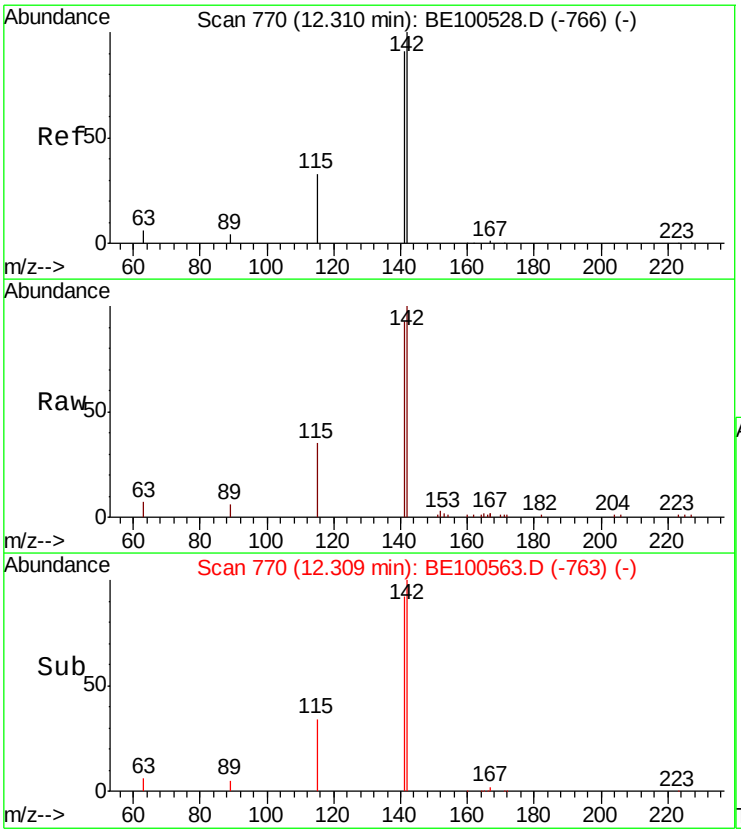
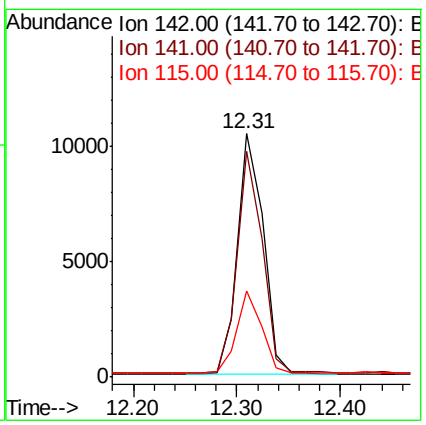


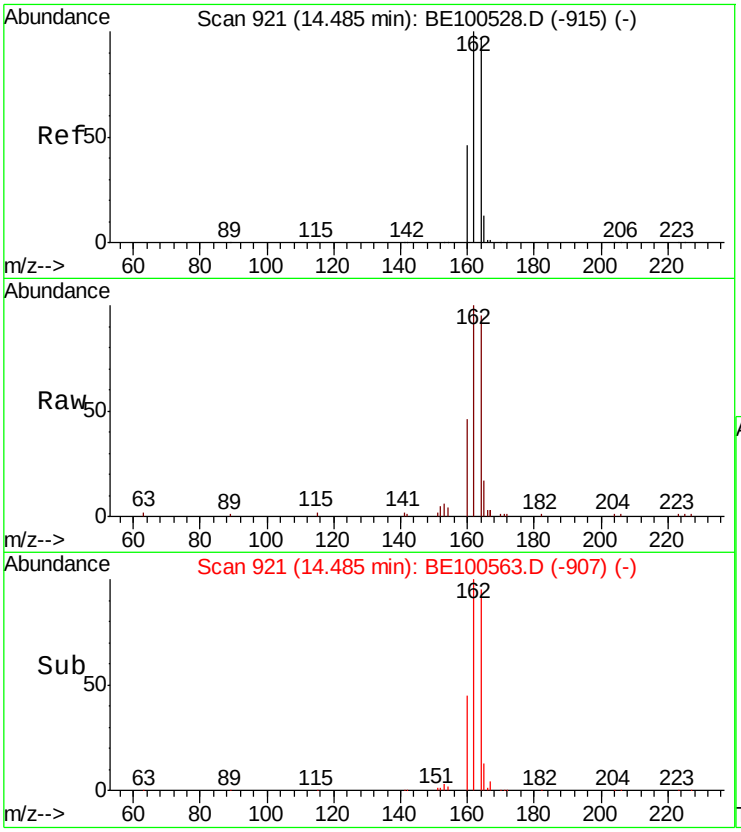


#12
2-Methylnaphthalene
Concen: 0.409 ng
RT: 12.31 min Scan# 770
Delta R.T. -0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:142 Resp: 17902

Ion	Ratio	Lower	Upper
142	100		
141	92.6	72.5	108.7
115	35.3	27.2	40.8

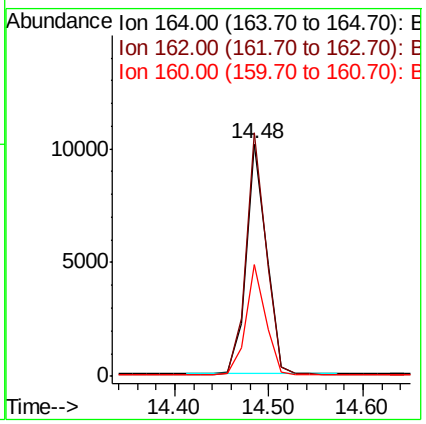




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:164 Resp: 15163

Ion	Ratio	Lower	Upper
164	100		
162	104.8	82.1	123.1
160	47.9	37.6	56.4



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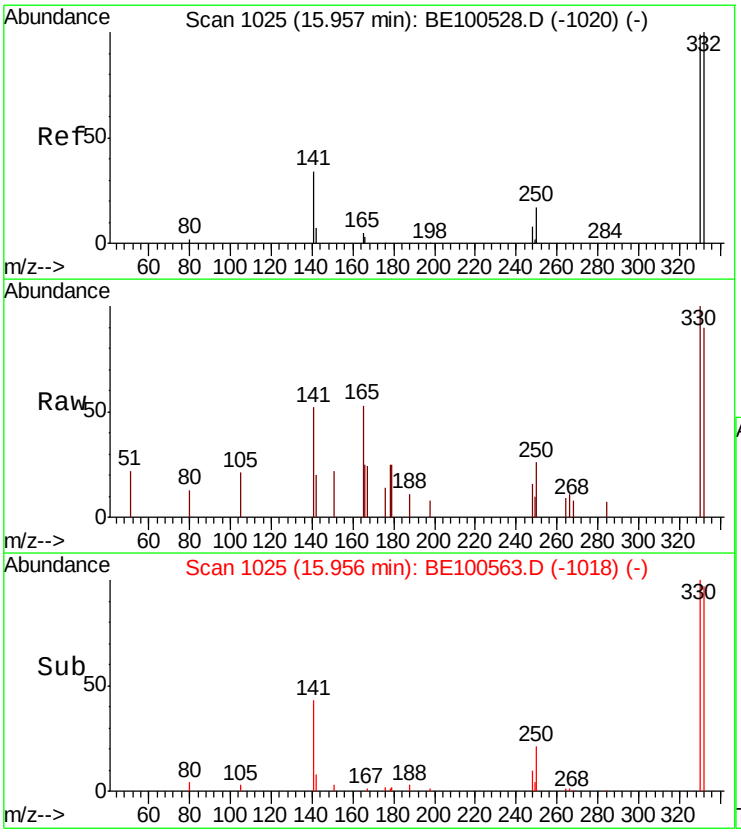
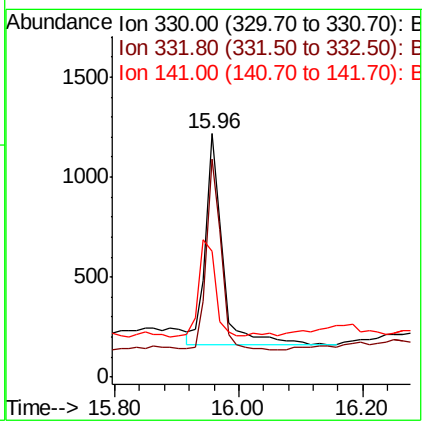
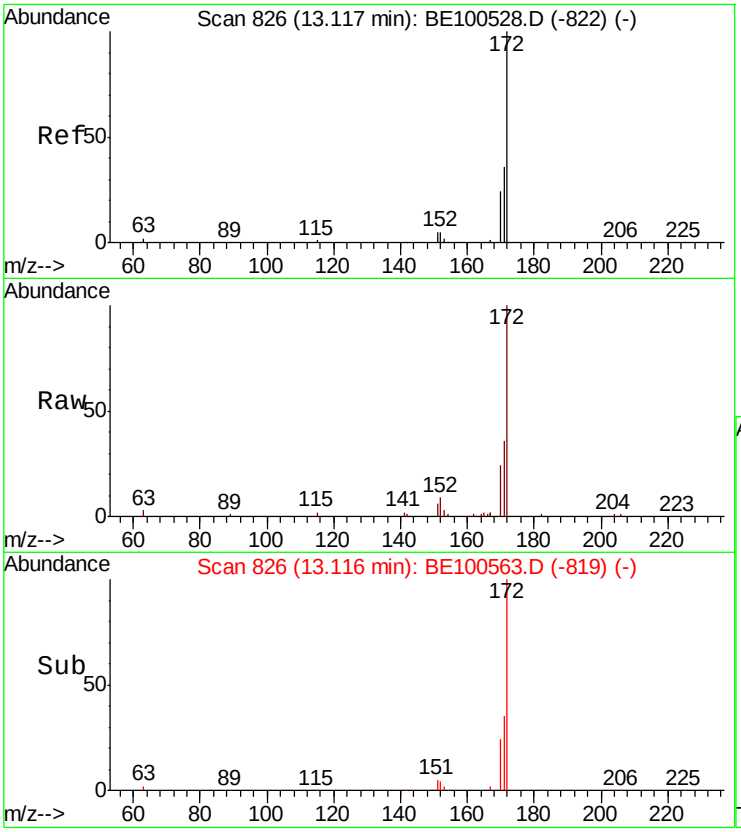


#14
2,4,6-Tribromophenol
Concen: 0.826 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:330 Resp: 2025

Ion	Ratio	Lower	Upper
330	100		
332	77.9	75.5	113.3
141	46.6	42.3	63.5

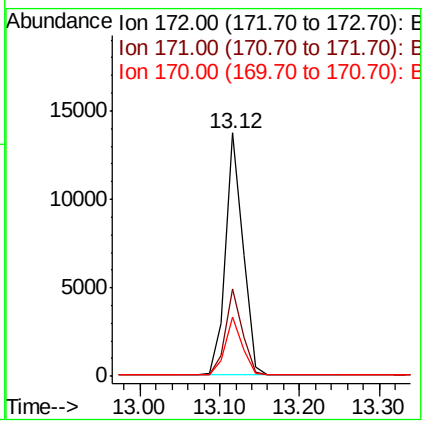




#15
2-Fluorobiphenyl
Concen: 0.385 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:172 Resp: 20845

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.8	43.2
170	24.4	19.4	29.0



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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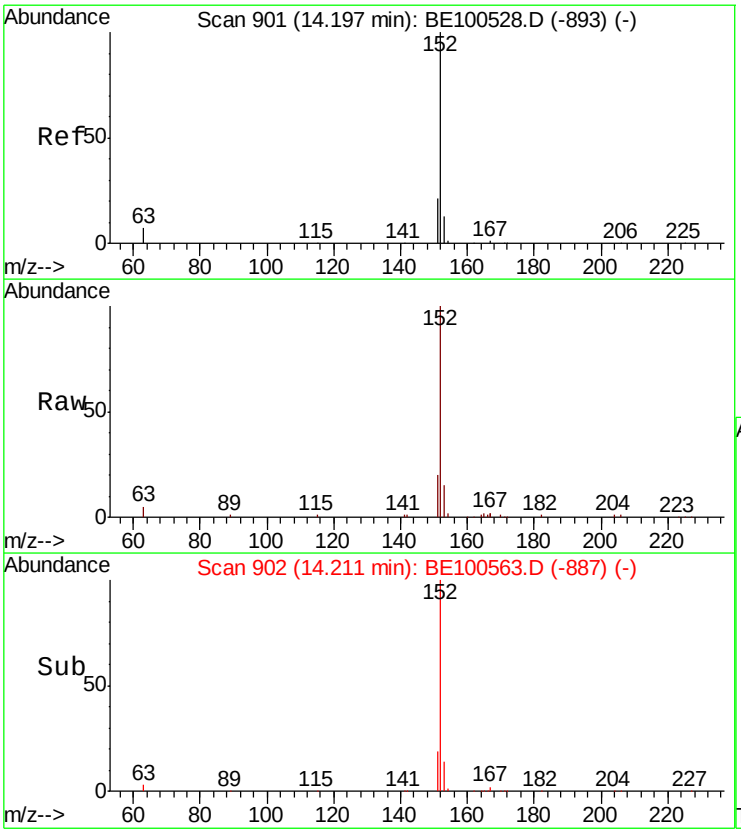
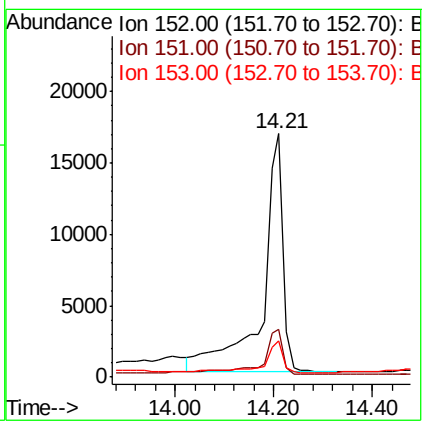
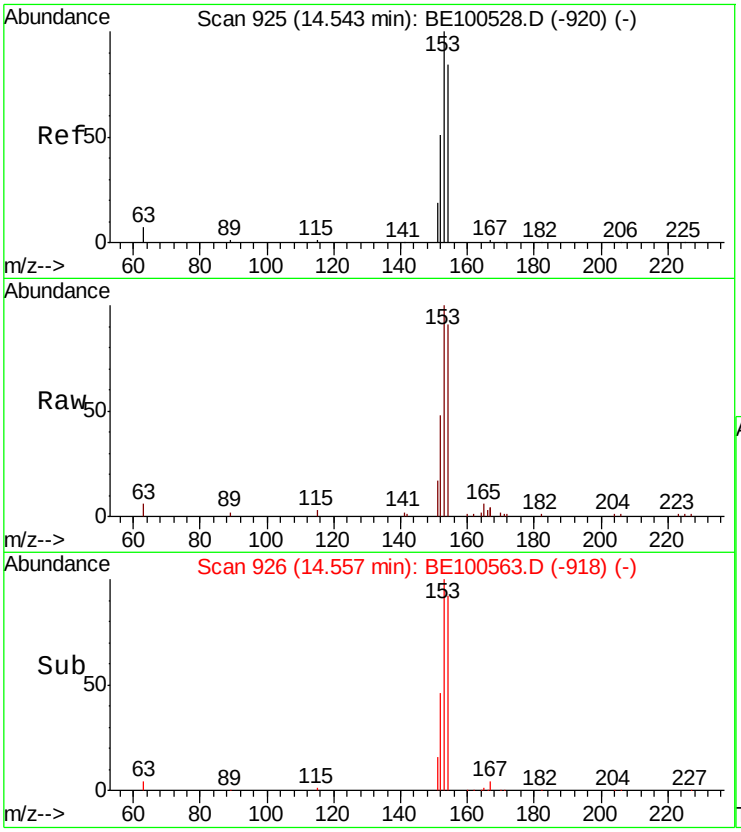


#16
Acenaphthylene
Concen: 0.771 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.01 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:152 Resp: 48146

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.9	23.9
153	12.0	10.7	16.1

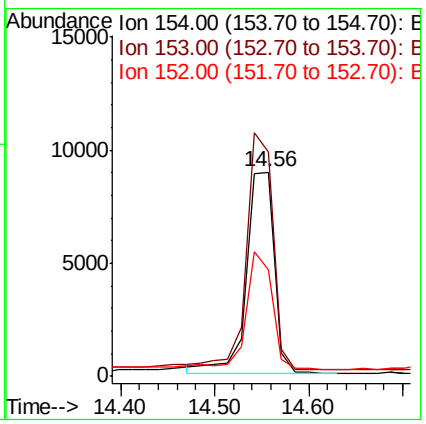




#17
Acenaphthene
Concen: 0.436 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.01 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:154 Resp: 18383

Ion	Ratio	Lower	Upper
154	100		
153	113.3	93.7	140.5
152	54.5	47.3	70.9



Instrument :
BNA_E
ClientSampleId :
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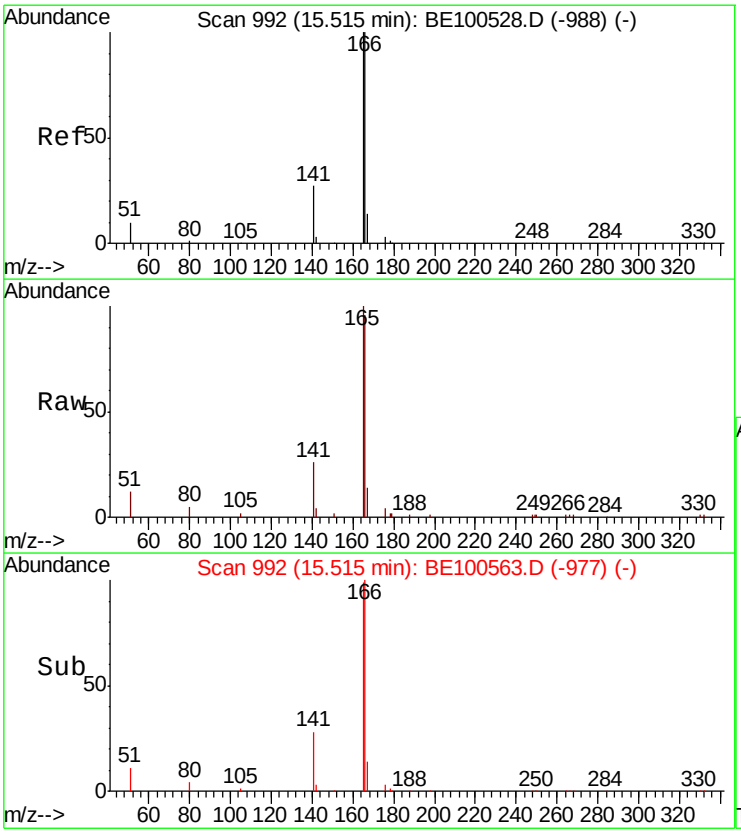
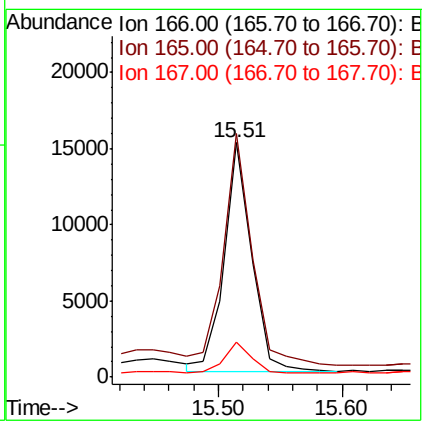
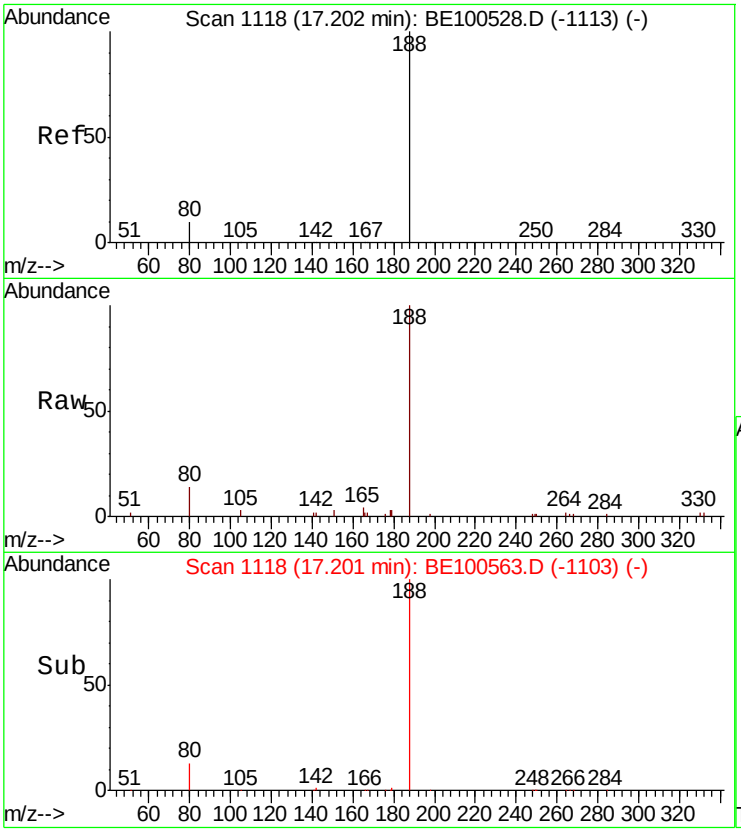


#18
Fluorene
Concen: 0.434 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:166 Resp: 22904

Ion	Ratio	Lower	Upper
166	100		
165	106.0	80.1	120.1
167	13.0	10.9	16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:188 Resp: 29561

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.9	8.0	12.0#

Instrument :
BNA_E
ClientSampleId :
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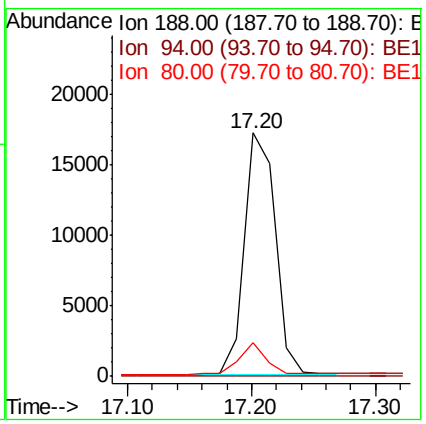
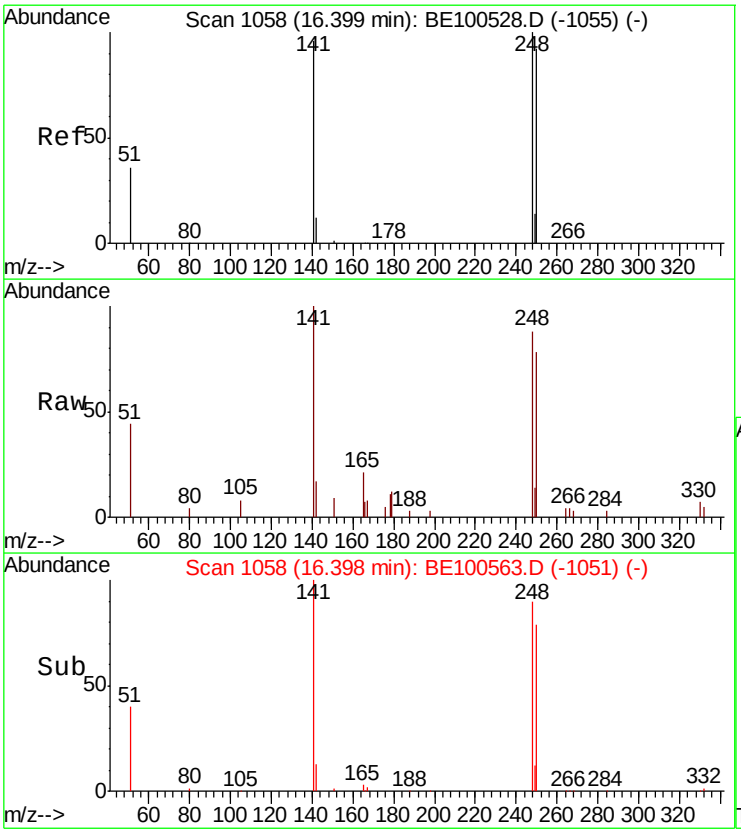
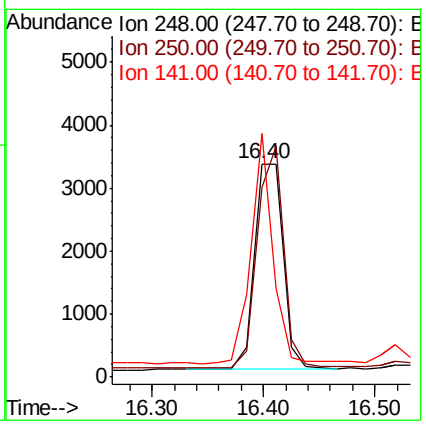


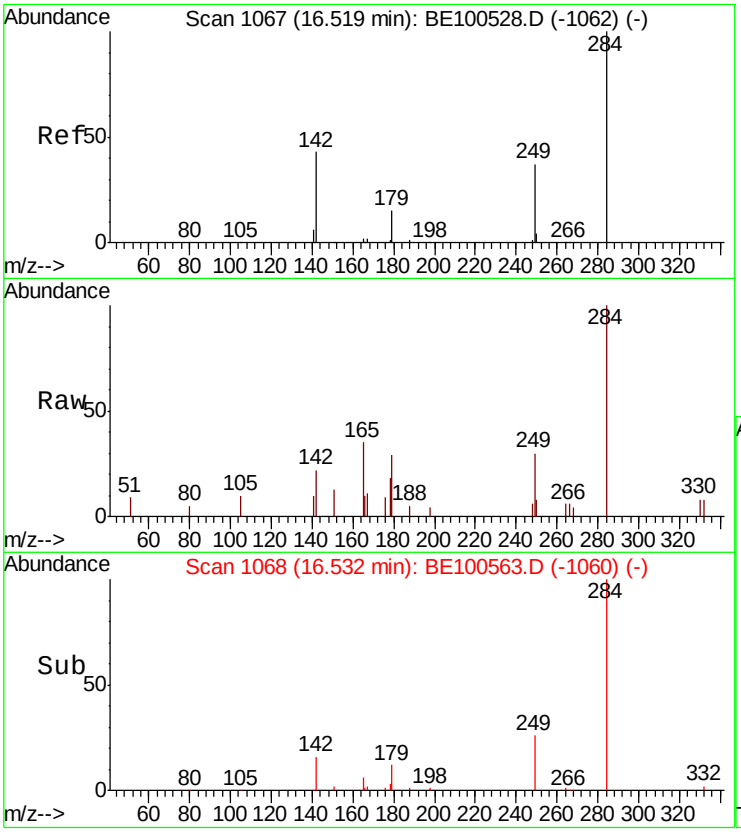


#20
4-Bromophenyl-phenylether
Concen: 0.425 ng
RT: 16.40 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:248 Resp: 5901

Ion	Ratio	Lower	Upper
248	100		
250	89.2	73.5	110.3
141	114.0	77.0	115.4

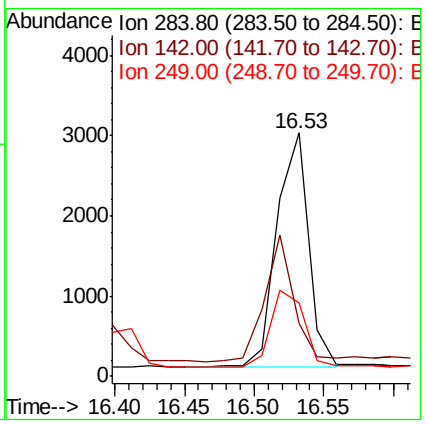




#21
Hexachlorobenzene
Concen: 0.385 ng
RT: 16.53 min Scan# 1068
Delta R.T. 0.01 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:284 Resp: 4654

Ion	Ratio	Lower	Upper
284	100		
142	48.8	39.0	58.6
249	35.1	28.2	42.2



Instrument :
BNA_E
ClientSampleId :
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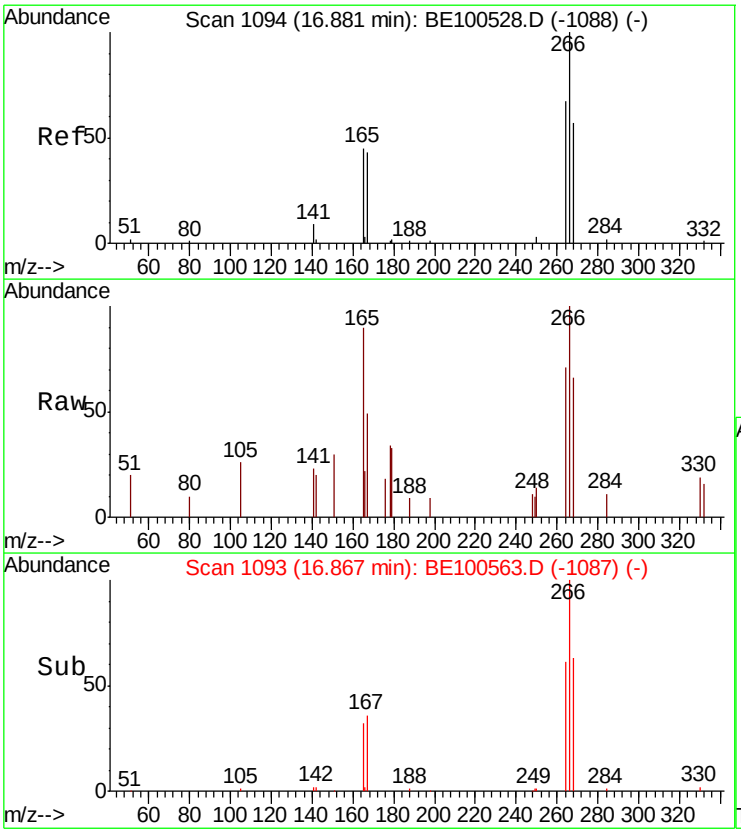
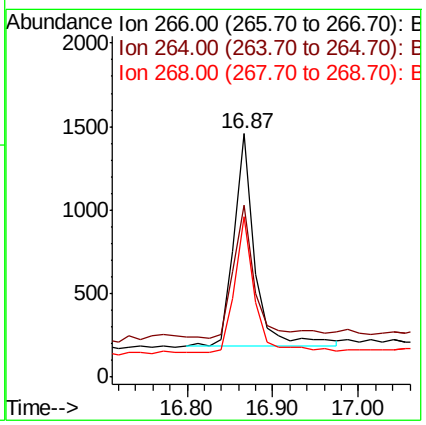
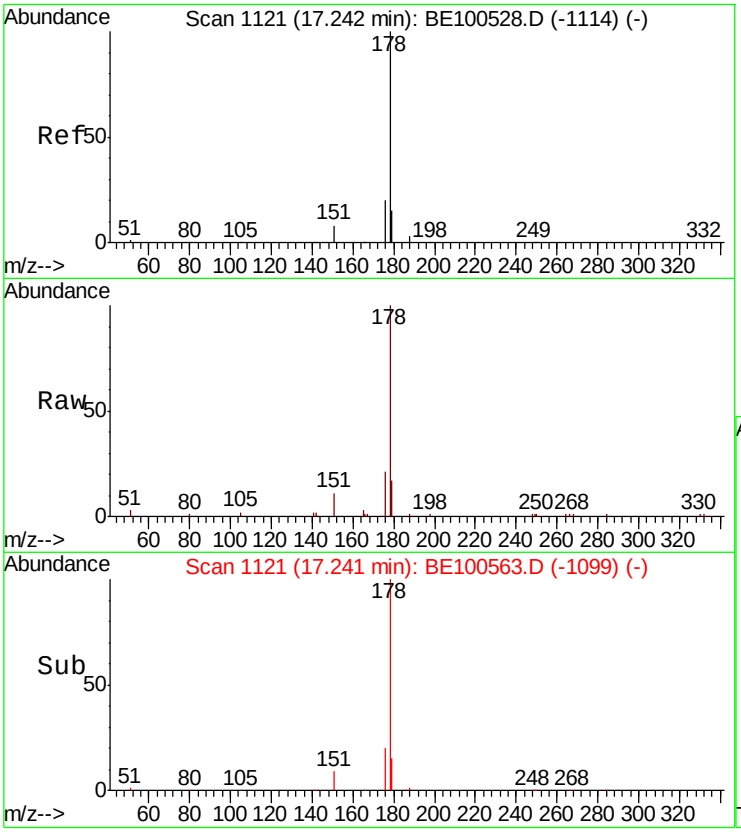


#22
Pentachlorophenol
Concen: 0.881 ng
RT: 16.87 min Scan# 1093
Delta R.T. -0.01 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:266 Resp: 2157

Ion	Ratio	Lower	Upper
266	100		
264	70.6	57.6	86.4
268	65.7	55.1	82.7

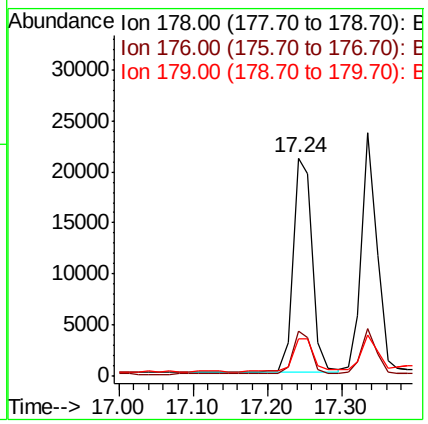




#23
Phenanthrene
Concen: 0.464 ng
RT: 17.24 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:178 Resp: 38188

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	17.2	12.6	18.8



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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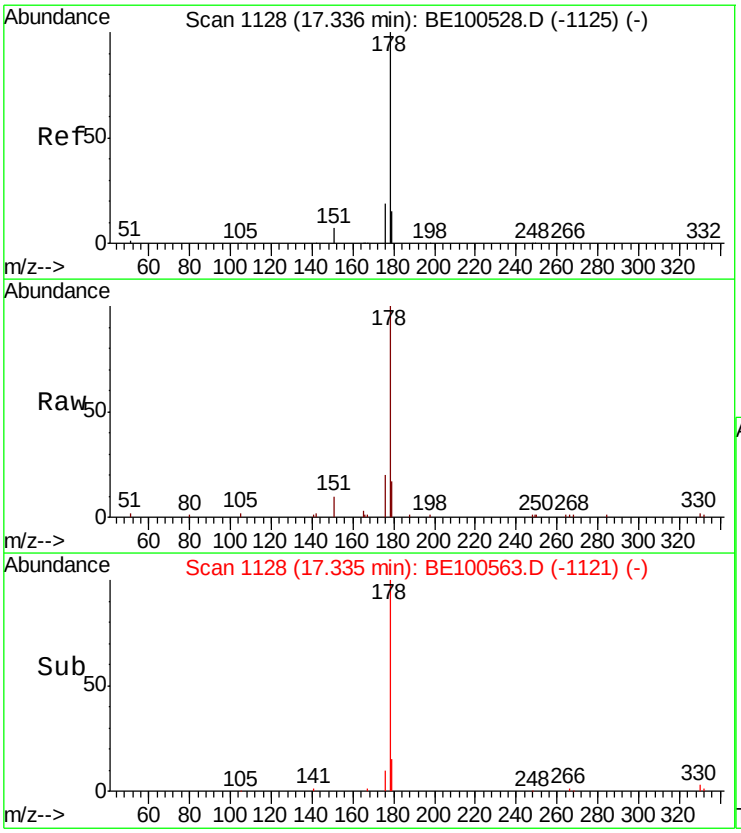
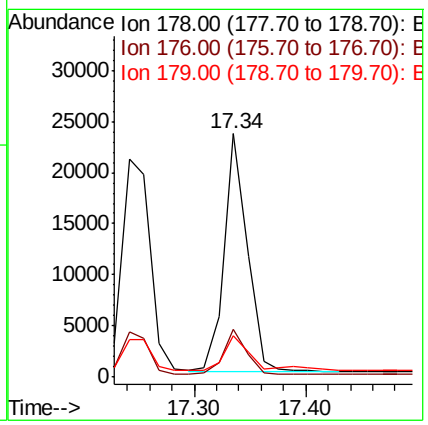
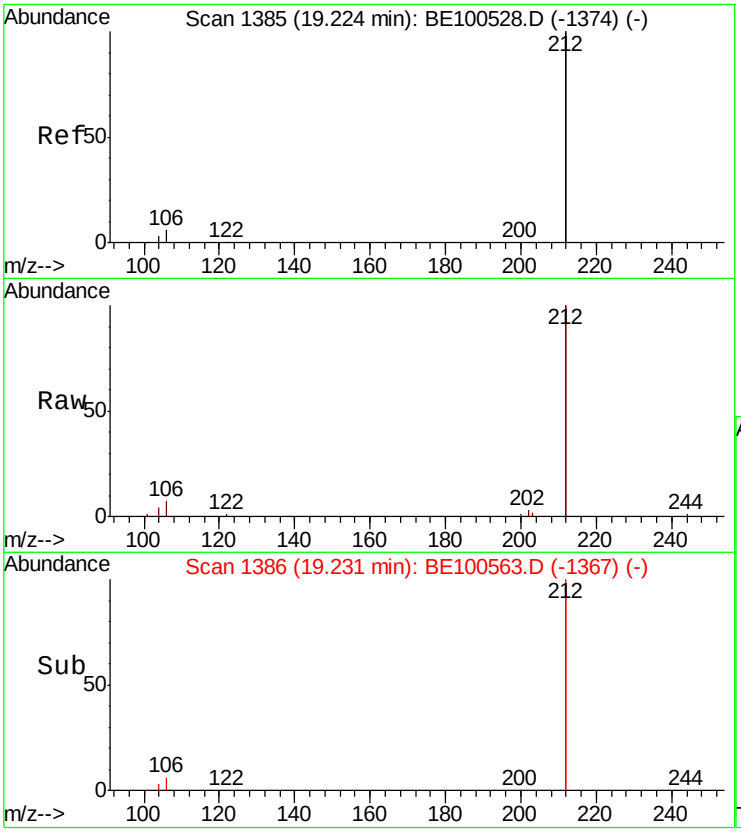


#24
Anthracene
Concen: 0.489 ng
RT: 17.34 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:178 Resp: 33898

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.2	22.8
179	15.2	12.2	18.4

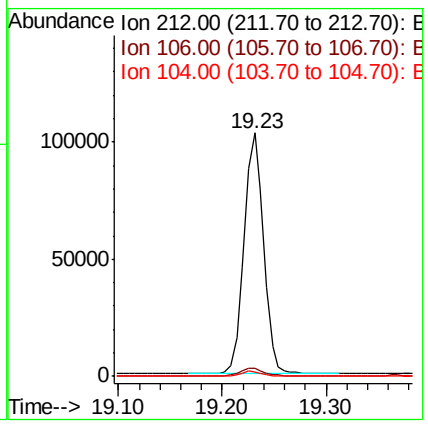




#25
Fluoranthene-d10
Concen: 0.382 ng
RT: 19.23 min Scan# 1386
Delta R.T. 0.01 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:212 Resp: 134182

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.3	3.5
104	1.9	1.3	1.9



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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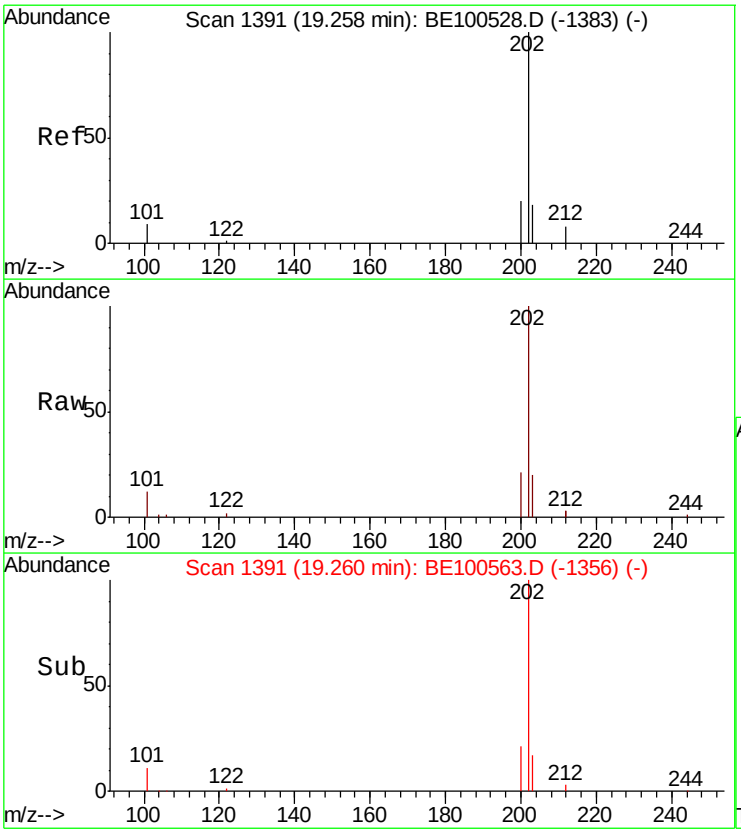
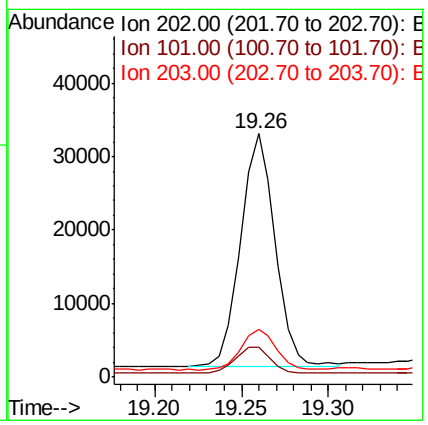
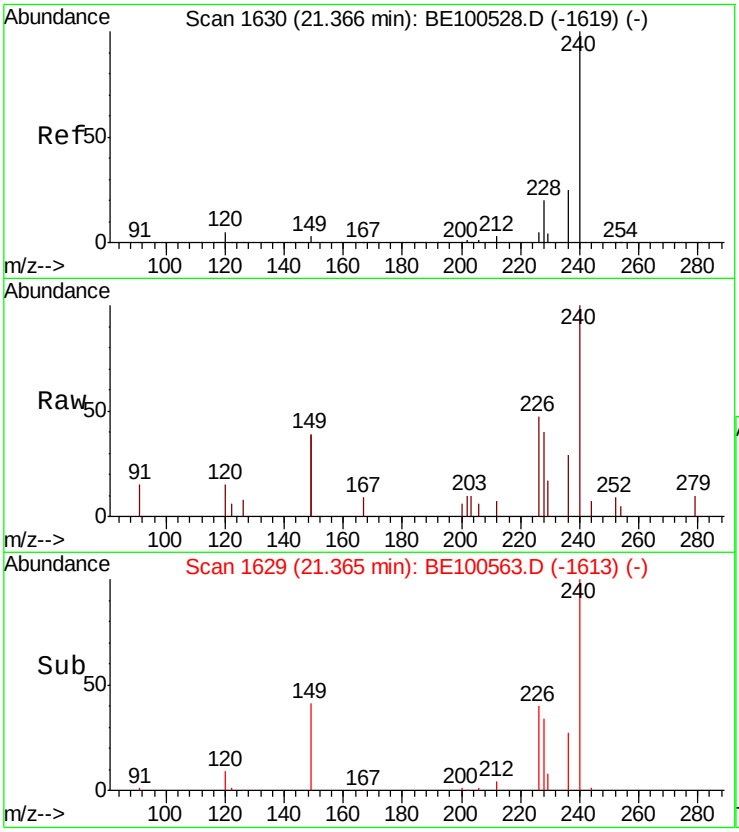


#26
Fluoranthene
Concen: 0.441 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:202 Resp: 43824

Ion	Ratio	Lower	Upper
202	100		
101	12.1	8.8	13.2
203	17.9	13.7	20.5





#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.36 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:240 Resp: 30187

Ion	Ratio	Lower	Upper
240	100		
120	14.7	4.5	6.7#
236	29.3	20.6	30.8

Instrument :
BNA_E
ClientSampleId :
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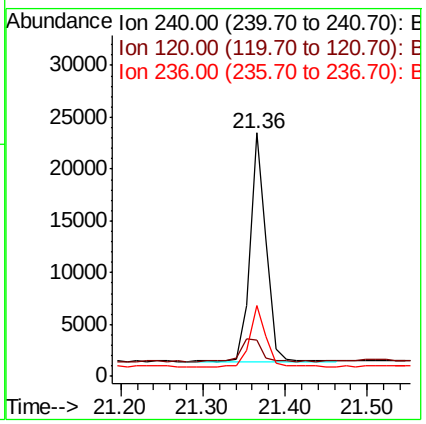
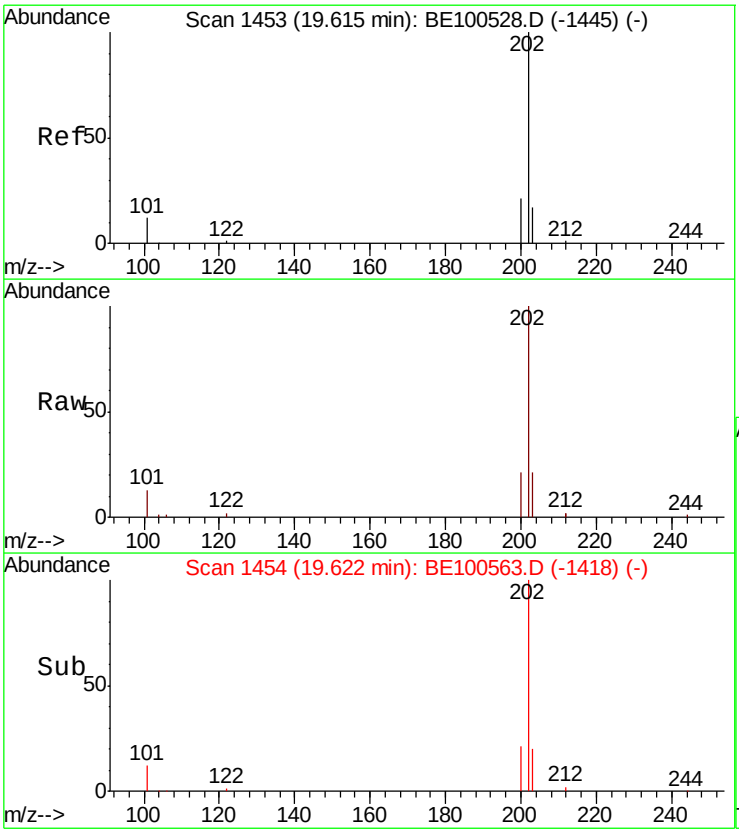
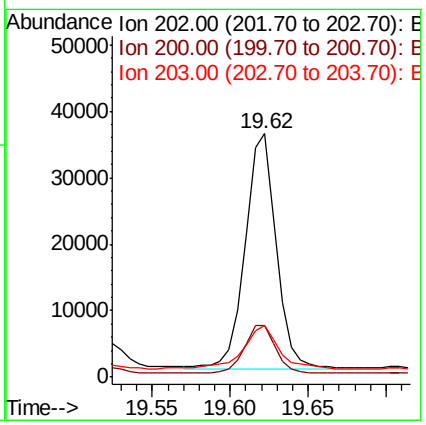


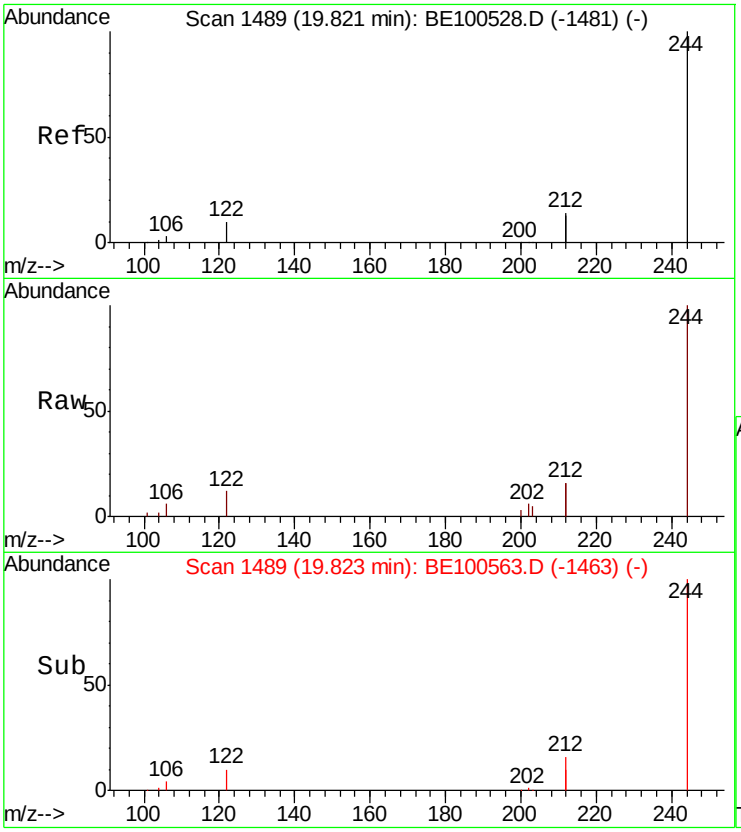


#28
Pyrene
Concen: 0.569 ng m
RT: 19.62 min Scan# 1454
Delta R.T. 0.01 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:202 Resp: 49452

Ion	Ratio	Lower	Upper
202	100		
200	3.7	16.6	25.0#
203	3.2	14.0	21.0#

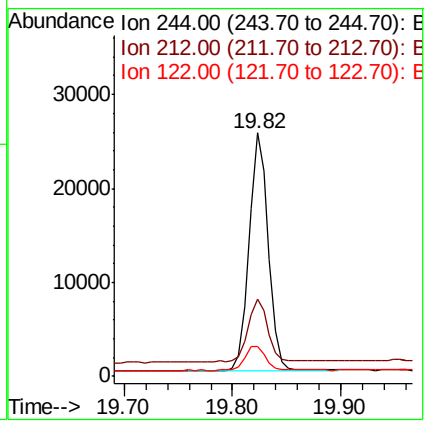




#29
Terphenyl-d14
Concen: 0.441 ng
RT: 19.82 min Scan# 1489
Delta R.T. 0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:244 Resp: 31537

Ion	Ratio	Lower	Upper
244	100		
212	31.5	22.2	33.2
122	12.5	8.3	12.5



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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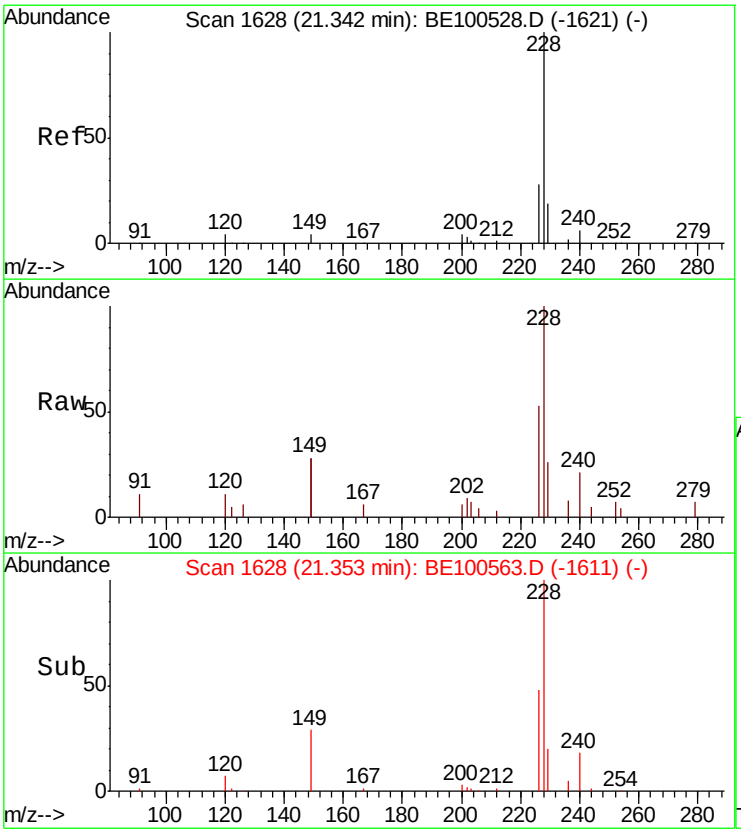
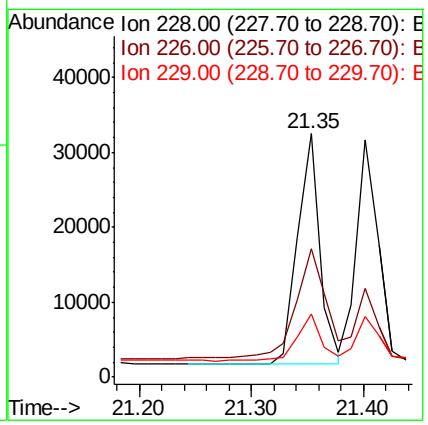
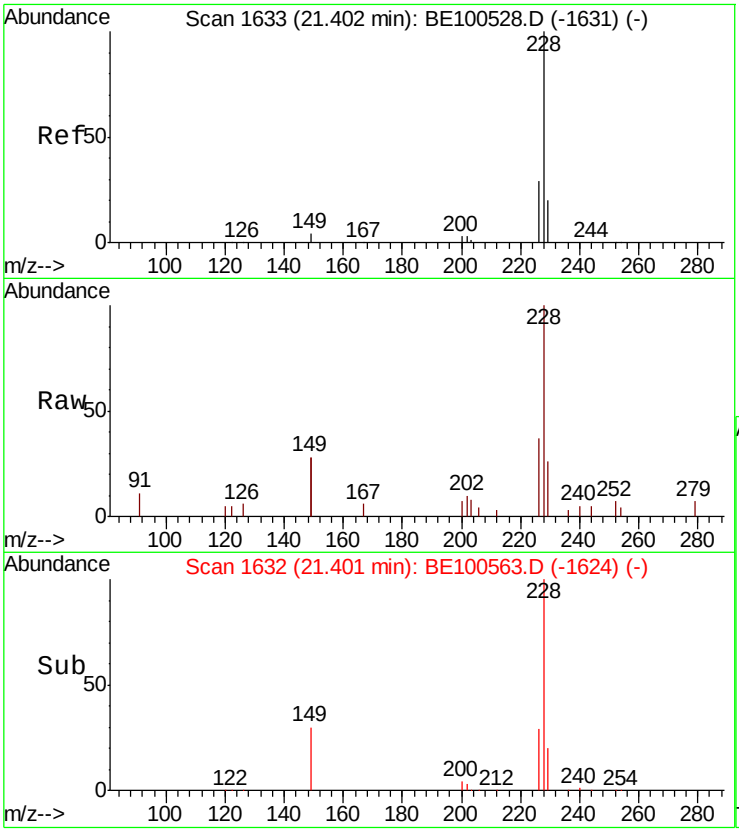


#30
Benzo(a)anthracene
Concen: 0.531 ng
RT: 21.35 min Scan# 1628
Delta R.T. 0.01 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:228 Resp: 42788

Ion	Ratio	Lower	Upper
228	100		
226	52.8	22.5	33.7#
229	26.1	15.4	23.2#





#31
Chrysene
Concen: 0.427 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:228 Resp: 39225

Ion	Ratio	Lower	Upper
228	100		
226	37.2	23.3	34.9#
229	25.6	16.3	24.5#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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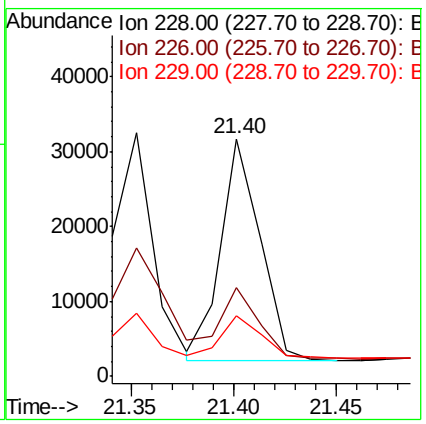
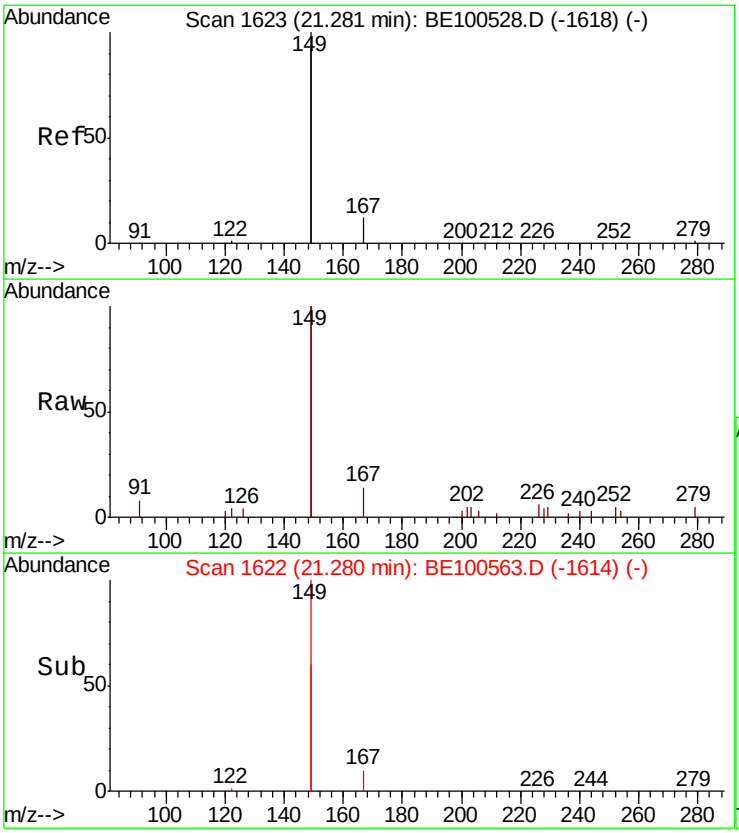
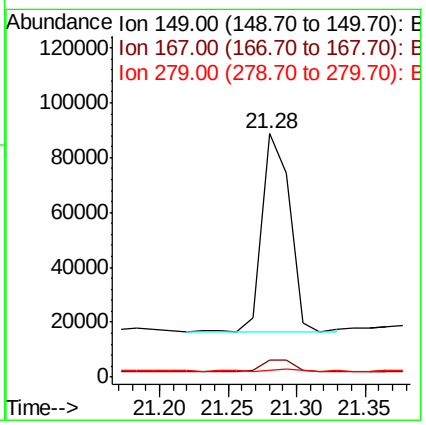


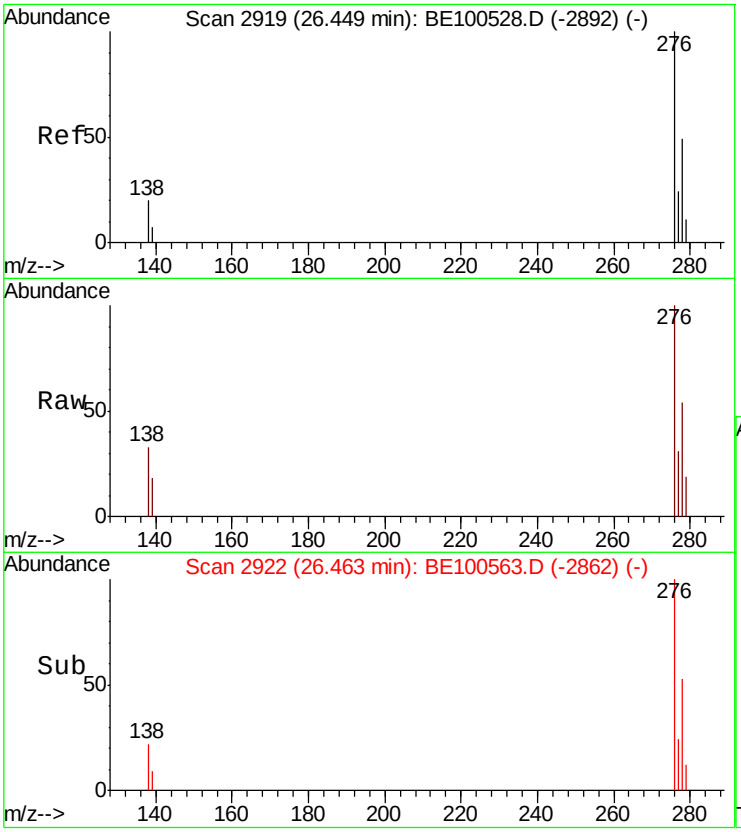


#32
Bis(2-ethylhexyl)phthalate
Concen: 1.170 ng
RT: 21.28 min Scan# 1622
Delta R.T. -0.00 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:149 Resp: 101686

Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.2	7.8
279	1.1	1.0	1.4

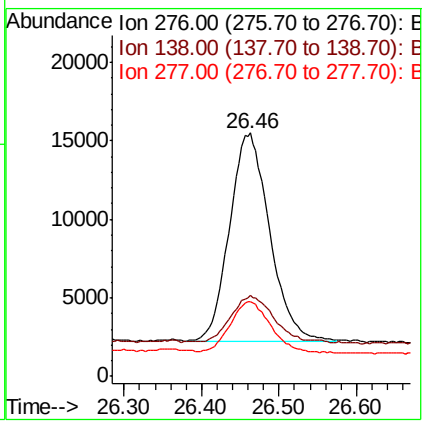




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.463 ng
RT: 26.46 min Scan# 2922
Delta R.T. 0.01 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:276 Resp: 47266

Ion	Ratio	Lower	Upper
276	100		
138	24.5	17.7	26.5
277	24.4	19.9	29.9



Instrument :
BNA_E
ClientSampleId :
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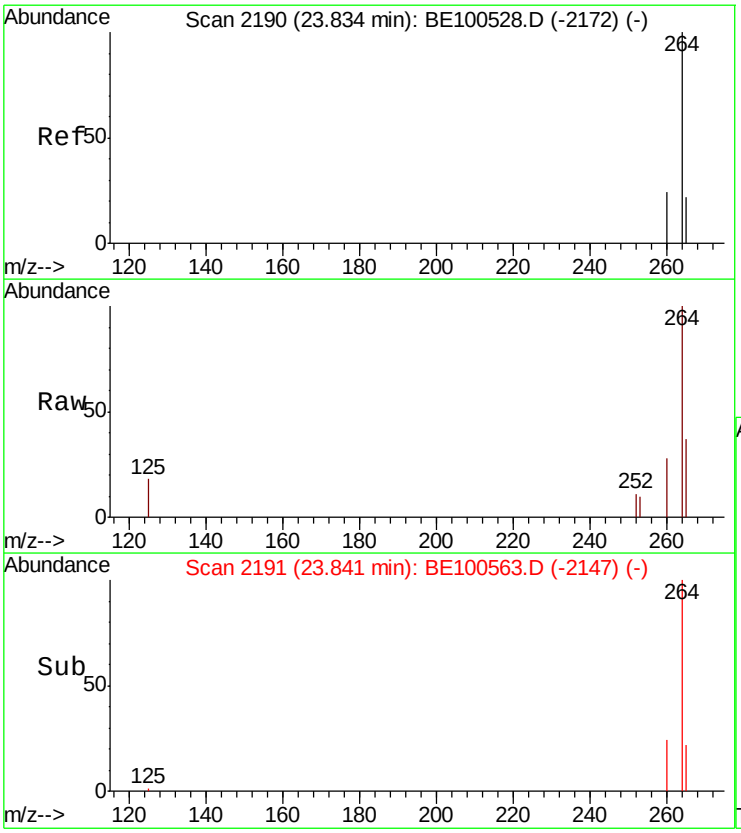
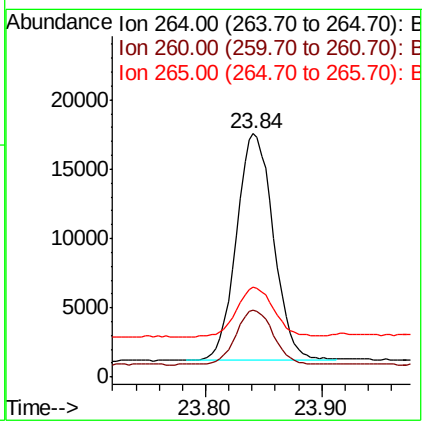
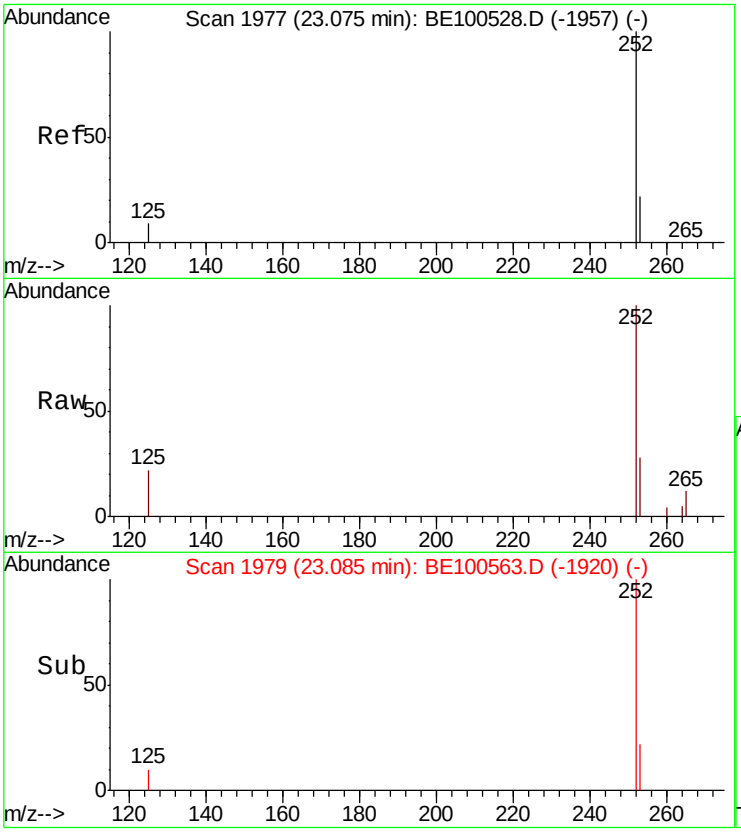


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.84 min Scan# 2191
Delta R.T. 0.01 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:264 Resp: 36322

Ion	Ratio	Lower	Upper
264	100		
260	27.7	19.6	29.4
265	36.8	21.8	32.8#





#35
Benzo(b)fluoranthene
Concen: 0.431 ng
RT: 23.09 min Scan# 1979
Delta R.T. 0.01 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:252 Resp: 42394

Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.1	27.1#
125	22.0	8.0	12.0#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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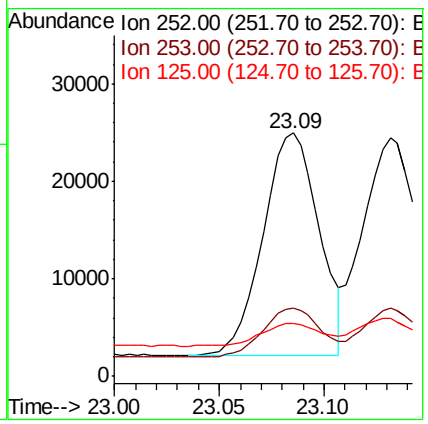
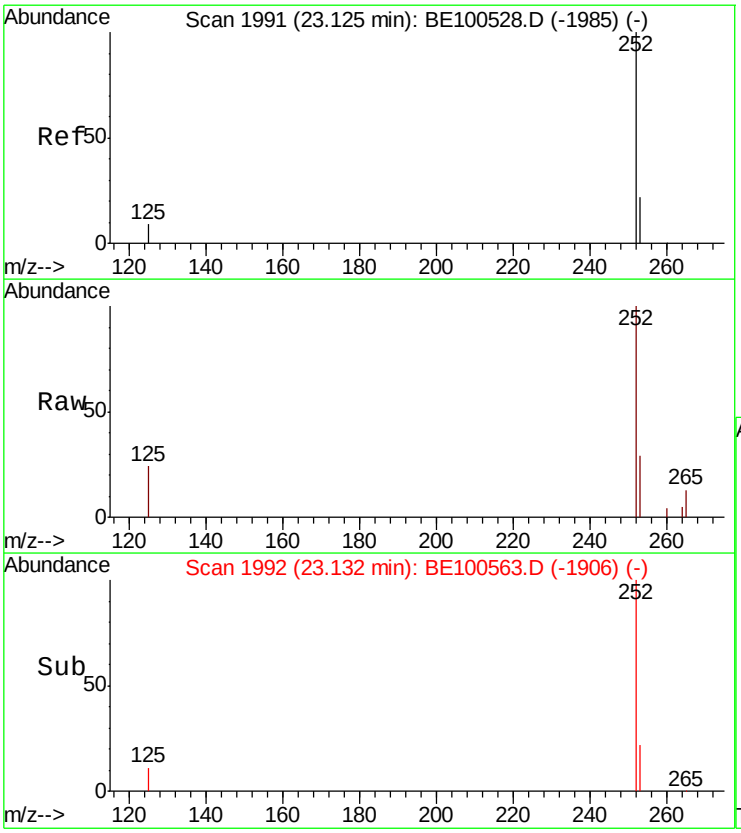
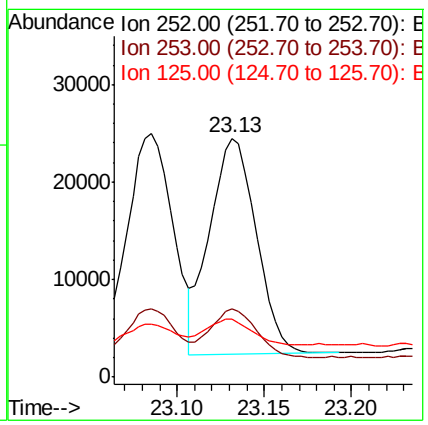


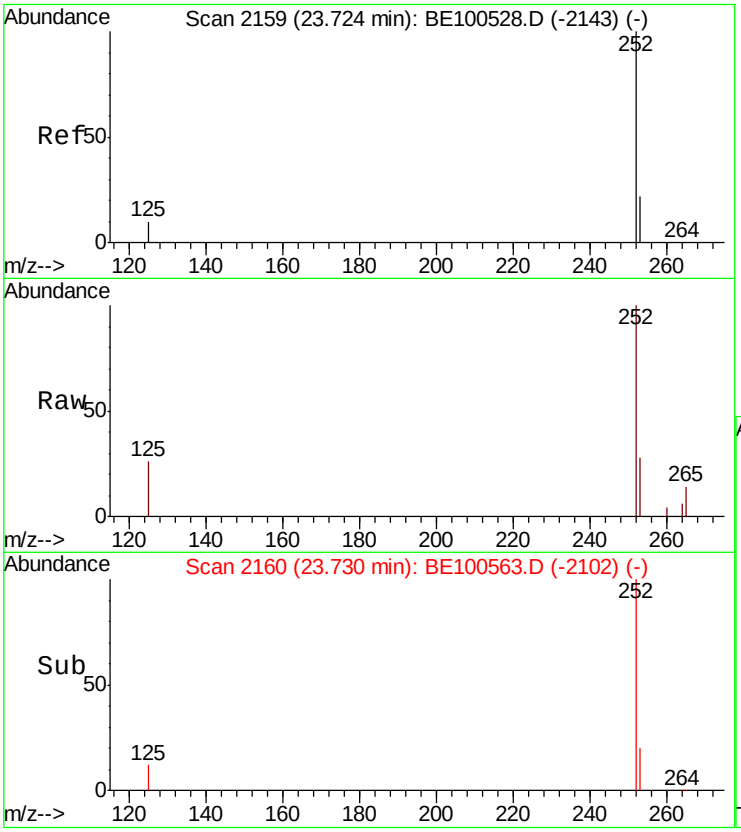


#36
Benzo(k)fluoranthene
Concen: 0.362 ng
RT: 23.13 min Scan# 1992
Delta R.T. 0.01 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:252 Resp: 41161

Ion	Ratio	Lower	Upper
252	100		
253	28.6	17.9	26.9#
125	24.1	8.5	12.7#





#37
Benzo(a)pyrene
Concen: 0.453 ng
RT: 23.73 min Scan# 2160
Delta R.T. 0.01 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:252 Resp: 41539

Ion	Ratio	Lower	Upper
252	100		
253	28.3	18.1	27.1#
125	25.6	9.2	13.8#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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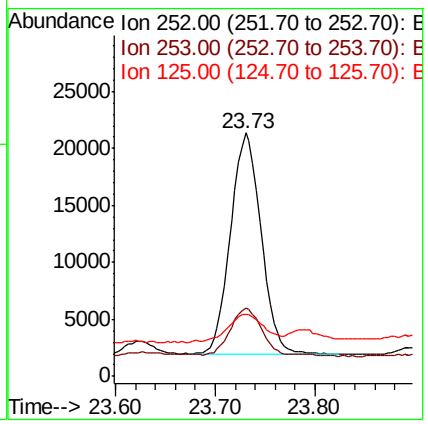
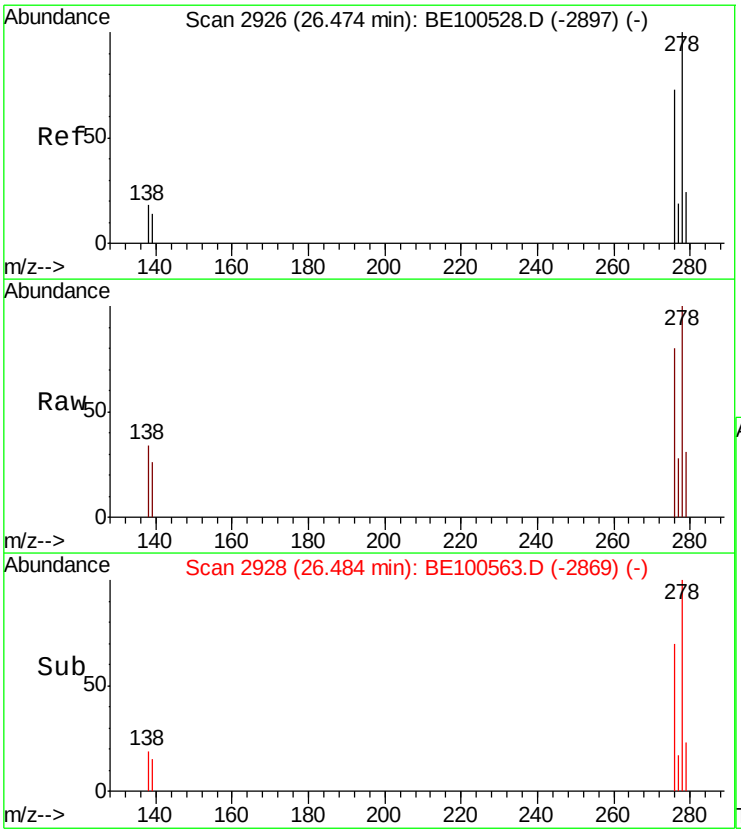
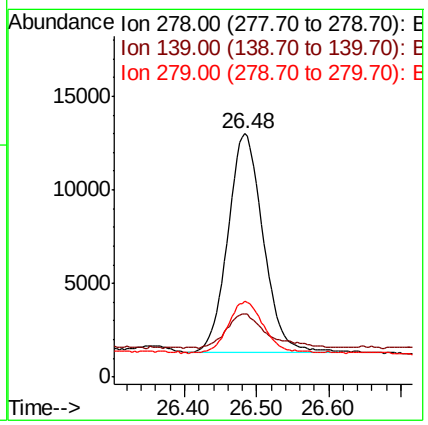


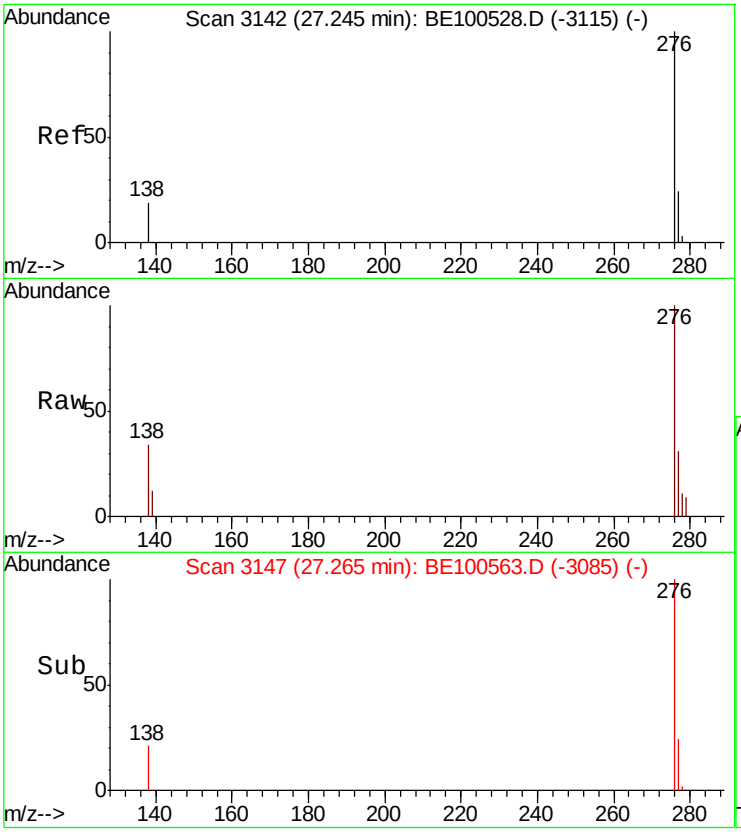


#38
Dibenzo(a,h)anthracene
Concen: 0.408 ng
RT: 26.48 min Scan# 2928
Delta R.T. 0.01 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:278 Resp: 38975

Ion	Ratio	Lower	Upper
278	100		
139	25.9	11.6	17.4#
279	31.2	19.7	29.5#

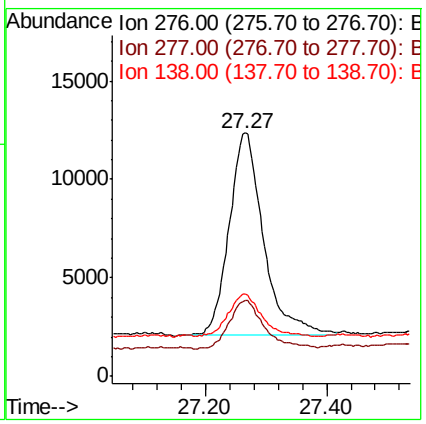




#39
Benzo(g,h,i)perylene
Concen: 0.407 ng
RT: 27.27 min Scan# 3147
Delta R.T. 0.02 min
Lab File: BE100563.D
Acq: 25 Sep 2019 19:04

Tgt Ion:276 Resp: 40581

Ion	Ratio	Lower	Upper
276	100		
277	31.3	19.2	28.8#
138	33.7	15.7	23.5#



Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Manual Integrations APPROVED
mohammad
9/27/2019 8:27:08 AM