

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110719\
 Data File : BE100703.D
 Acq On : 7 Nov 2019 16:08
 Operator : JU
 Sample : K5725-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SO-3

Manual Integrations
 APPROVED

Sohil
 11/8/2019 3:32:22 PM

Quant Time: Nov 07 17:19:20 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Oct 23 16:49:33 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	8387	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	43763	0.40	ng	0.01
13) Acenaphthene-d10	14.53	164	31336	0.40	ng	0.06
19) Phenanthrene-d10	17.27	188	25171m	0.40	ng	0.07
27) Chrysene-d12	21.38	240	30292	0.40	ng	0.02
34) Perylene-d12	23.85	264	43804	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.44	112	6941	0.27	ng	0.00
5) Phenol-d6	7.01	99	11433	0.31	ng	0.00
8) Nitrobenzene-d5	9.00	82	84115m	3.10	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	46826	0.68	ng	0.04
14) 2,4,6-Tribromophenol	16.01	330	1628	0.20	ng	0.07
15) 2-Fluorobiphenyl	13.13	172	18288m	0.16	ng	0.03
25) Fluoranthene-d10	19.28	212	556759m	1.71	ng	0.06
29) Terphenyl-d14	19.85	244	40443	0.61	ng	0.03

Target Compounds

						Qvalue
9) Naphthalene	10.69	128	2167942	4.711	ng	# 95
12) 2-Methylnaphthalene	12.33	142	273482	3.486	ng	# 21
16) Acenaphthylene	14.24	152	286103	2.122	ng	# 26
17) Acenaphthene	14.57	154	252475m	2.897	ng	
18) Fluorene	15.55	166	745174	6.439	ng	# 78
23) Phenanthrene	17.31	178	3294353	47.582	ng	# 84
24) Anthracene	17.39	178	249365	3.882	ng	# 79
26) Fluoranthene	19.34	202	5227380	57.849	ng	97
28) Pyrene	19.68	202	6128125m	72.409	ng	
30) Benzo(a)anthracene	21.37	228	4302946	43.546	ng	# 89
31) Chrysene	21.41	228	3476779	35.207	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.29	149	76349	0.369	ng	# 82
33) Indeno(1,2,3-cd)pyrene	26.48	276	4025115	33.164	ng	95
35) Benzo(b)fluoranthene	23.11	252	5878448	46.023	ng	97
36) Benzo(k)fluoranthene	23.14	252	2349309m	17.884	ng	
37) Benzo(a)pyrene	23.75	252	4663307	39.222	ng	97
38) Dibenzo(a,h)anthracene	26.49	278	1088103	8.854	ng	95
39) Benzo(a,h,i)perylene	27.29	276	3810481	30.831	ng	98

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

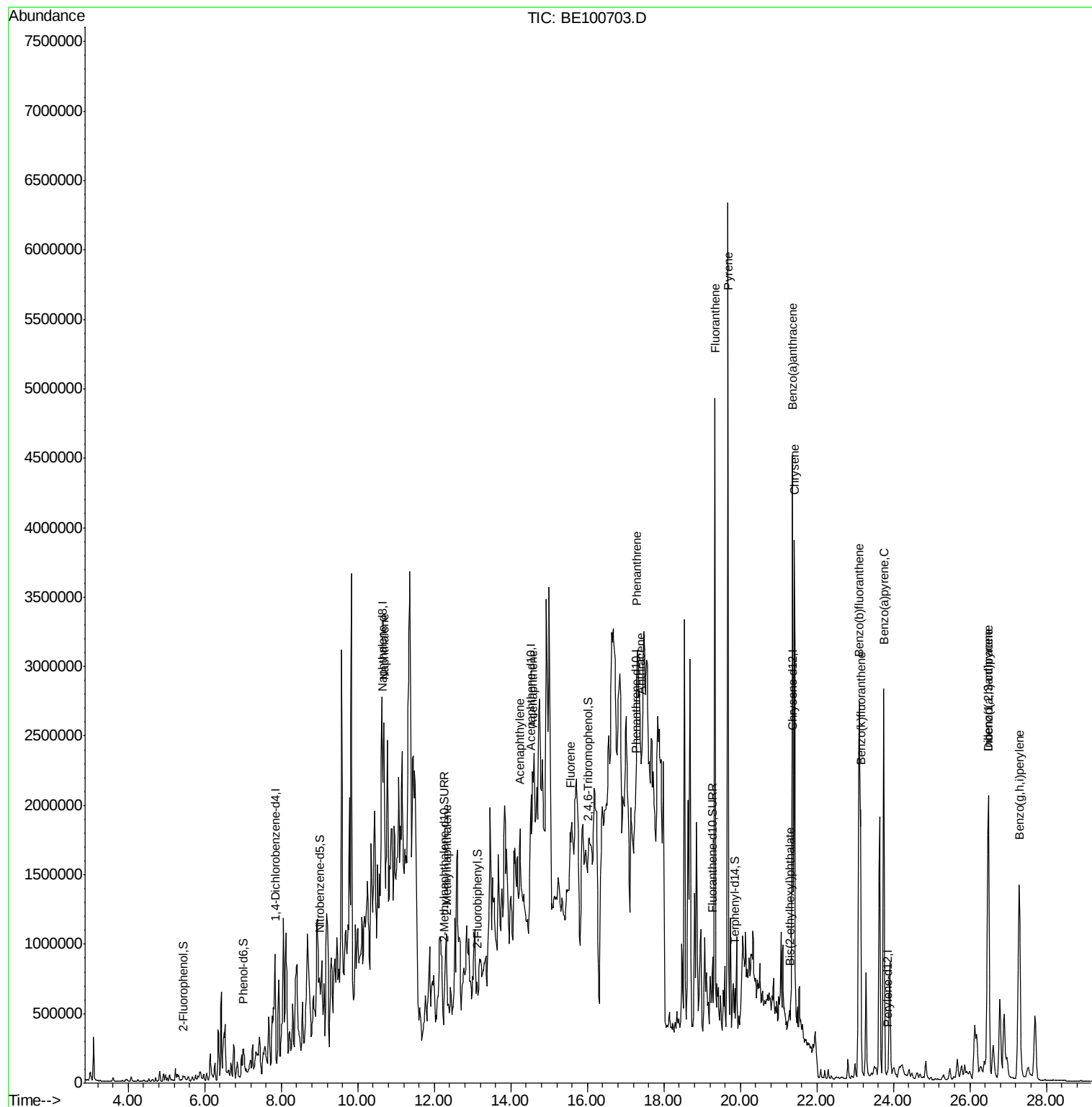
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110719\
Data File : BE100703.D
Acq On : 7 Nov 2019 16:08
Operator : JU
Sample : K5725-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

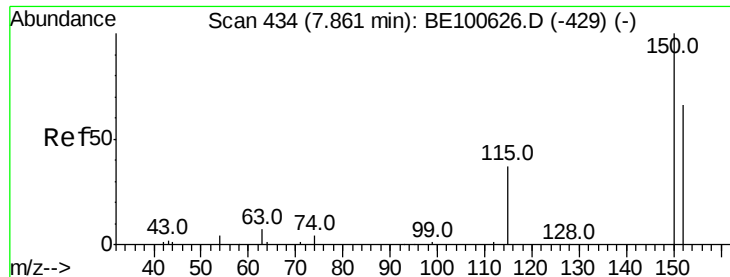
Instrument :
BNA_E
ClientSampled :
SO-3

Manual Integrations
APPROVED

Sohil
11/8/2019 3:32:22 PM

Quant Time: Nov 07 17:19:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 16:49:33 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.85 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE100703.D

Acq: 7 Nov 2019 16:08

Instrument :

BNA_E

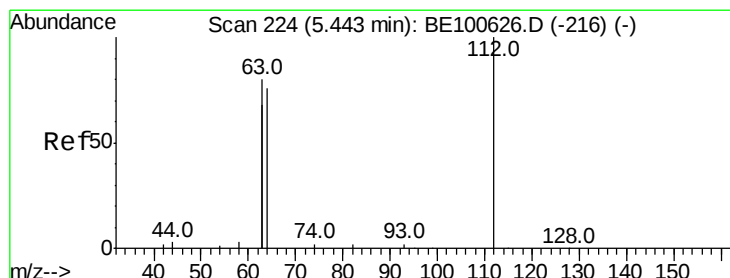
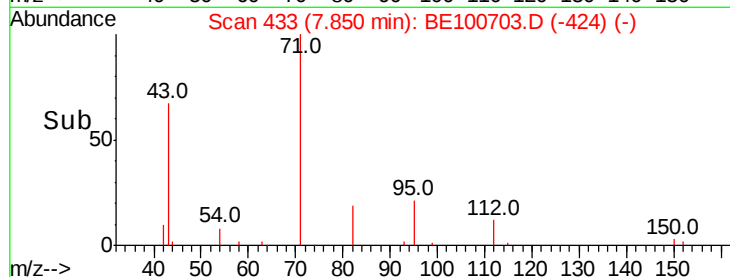
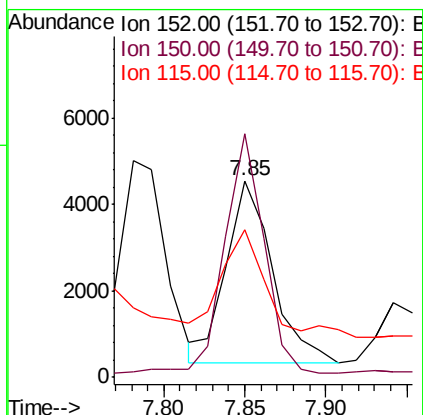
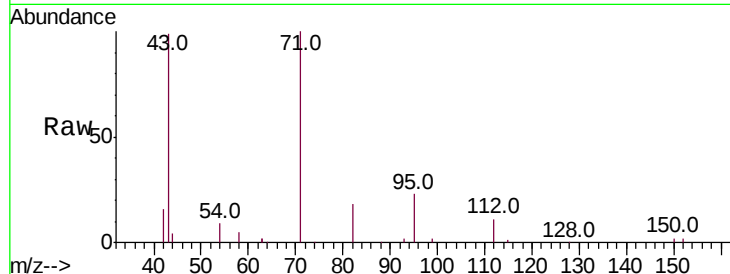
ClientSampleId :

SO-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	123.7	123.3	184.9
115	75.0	51.9	77.9

Manual Integrations
APPROVED

Sohil
11/8/2019 3:32:22 PM



#4

2-Fluorophenol

Concen: 0.268 ng

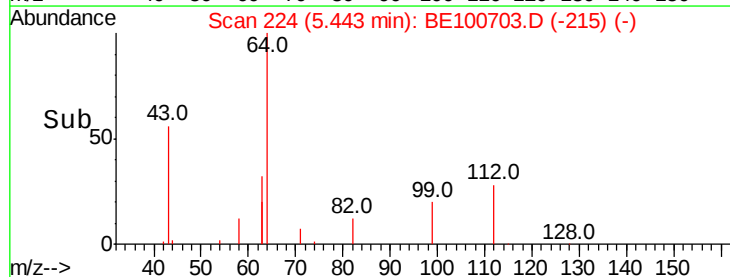
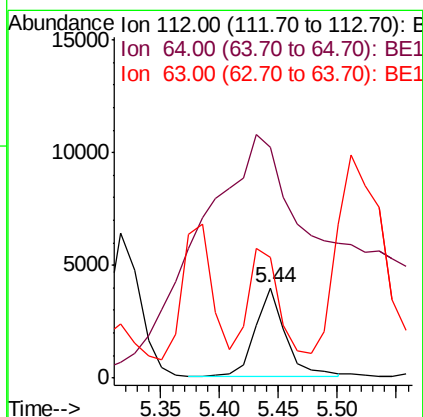
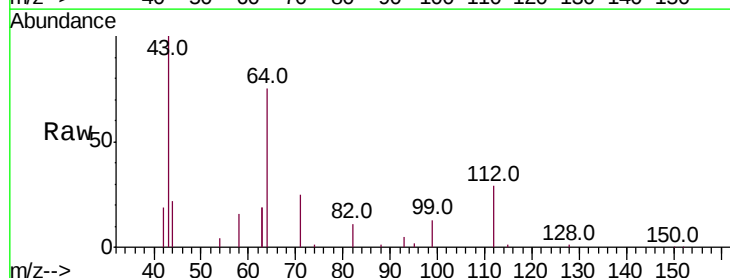
RT: 5.44 min Scan# 224

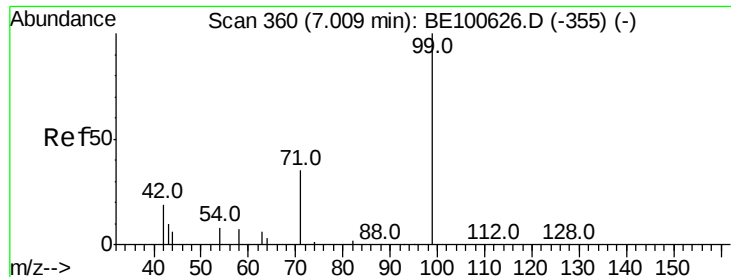
Delta R.T. 0.00 min

Lab File: BE100703.D

Acq: 7 Nov 2019 16:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	408.4	55.4	83.2#
63	113.5	114.2	171.4#





#5

Phenol-d6

Concen: 0.313 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100703.D

Acq: 7 Nov 2019 16:08

Instrument :

BNA_E

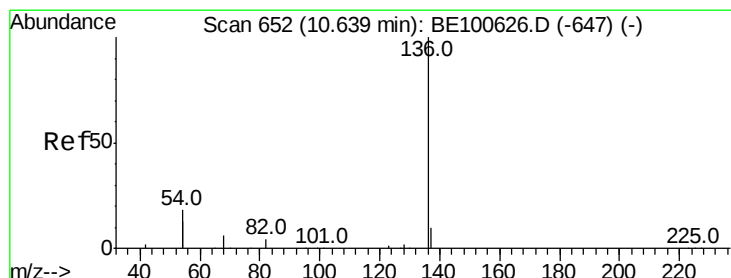
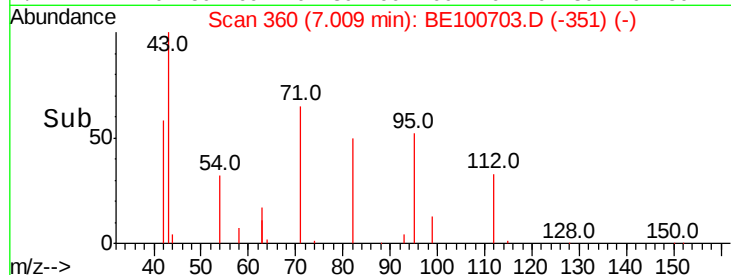
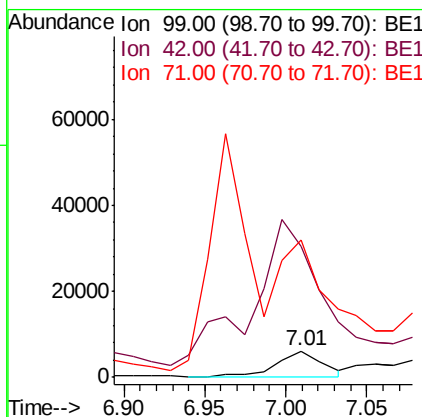
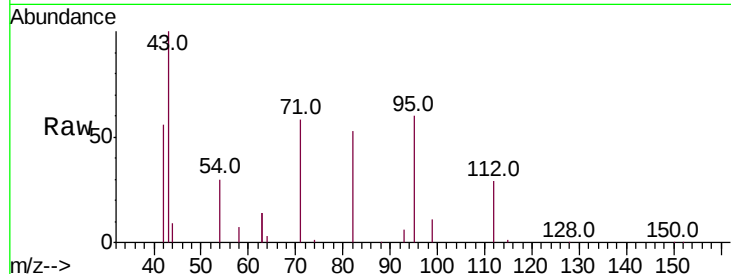
ClientSampled :

SO-3

Tot Ion: 99 Resp: 11433
 Ion Ratio Lower Upper
 99 100
 42 937.8 17.7 26.5#
 71 499.6 27.4 41.0#

Manual Integrations
 APPROVED

Sohil
 11/8/2019 3:32:22 PM



#7

Naphthalene-d8

Concen: 0.400 ng

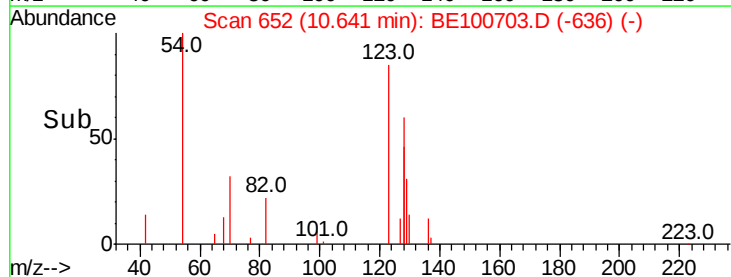
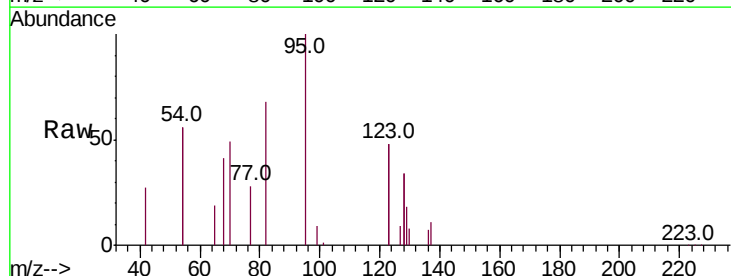
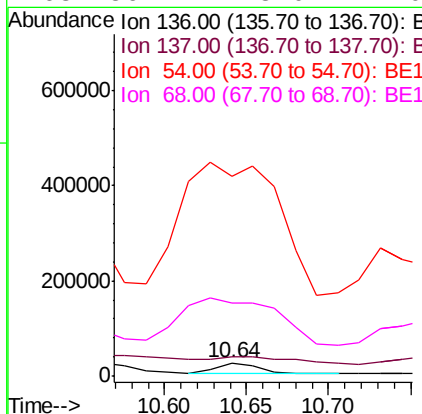
RT: 10.64 min Scan# 652

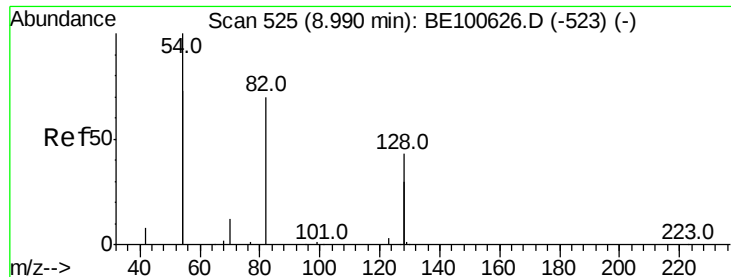
Delta R.T. 0.01 min

Lab File: BE100703.D

Acq: 7 Nov 2019 16:08

Tgt Ion: 136 Resp: 43763
 Ion Ratio Lower Upper
 136 100
 137 153.4 9.2 13.8#
 54 1543.9 39.4 59.2#
 68 567.7 8.0 12.0#





#8

Nitrobenzene-d5

Concen: 3.101 ng/ml

RT: 9.00 min Scan# 526

Delta R.T. 0.01 min

Lab File: BE100703.D

Acq: 7 Nov 2019 16:08

Instrument :

BNA_E

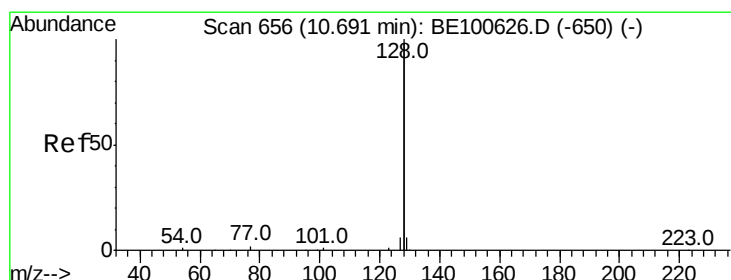
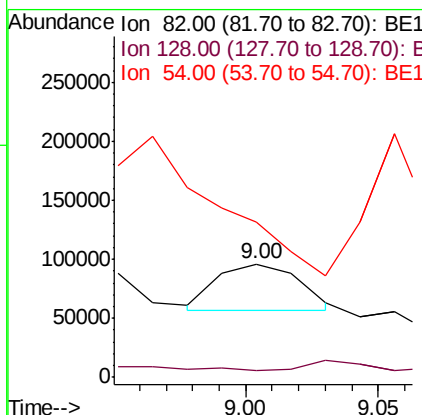
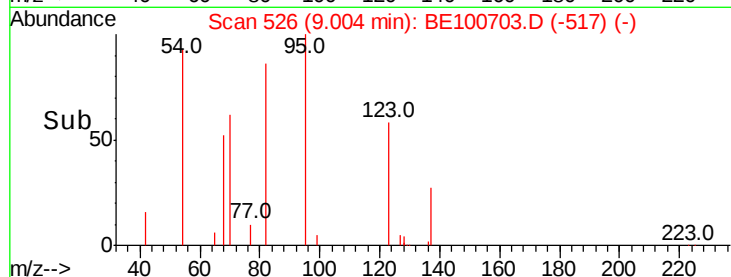
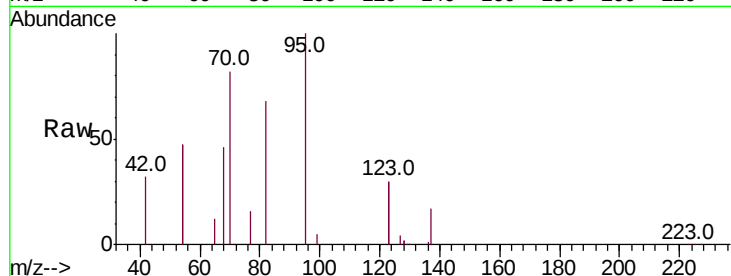
ClientSampled :

SO-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	3.0	107.8	161.8#
54	68.8	166.1	249.1#

Manual Integrations
APPROVED

Sohil
11/8/2019 3:32:22 PM



#9

Naphthalene

Concen: 4.711 ng/ml

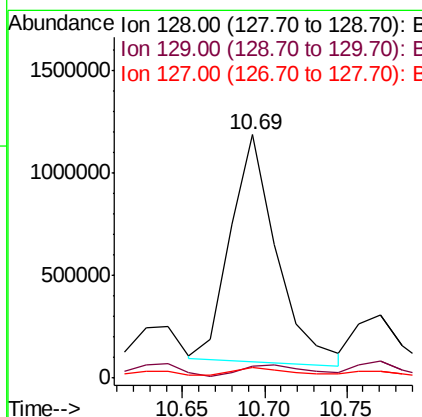
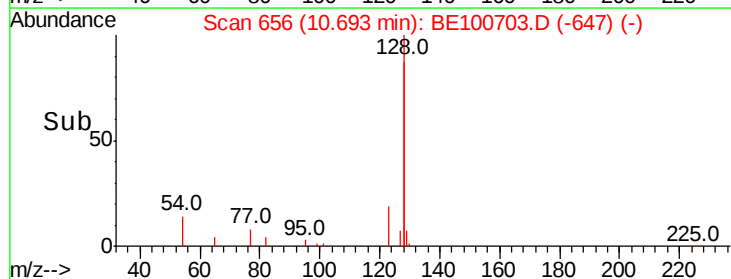
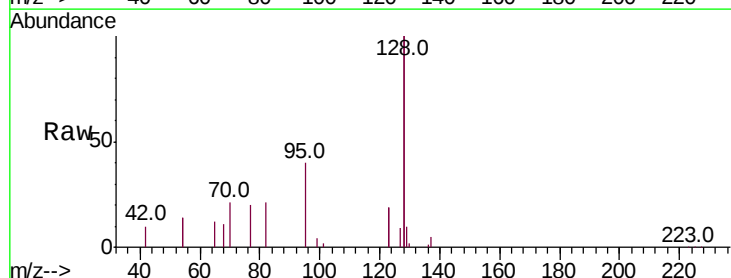
RT: 10.69 min Scan# 656

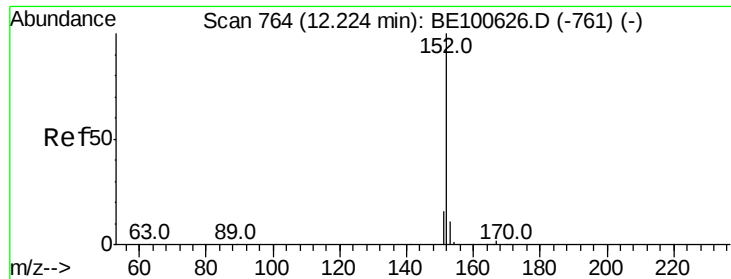
Delta R.T. 0.01 min

Lab File: BE100703.D

Acq: 7 Nov 2019 16:08

Tgt Ion	Ratio	Lower	Upper
128	100		
129	5.1	2.3	3.5#
127	4.5	2.7	4.1#





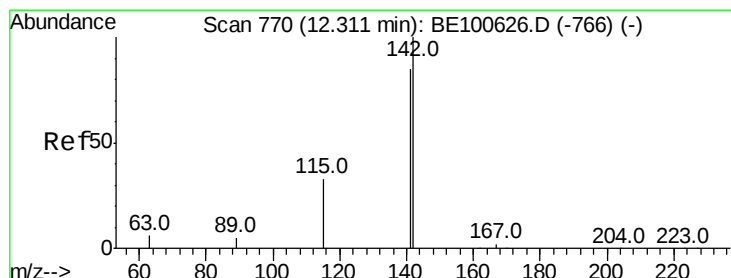
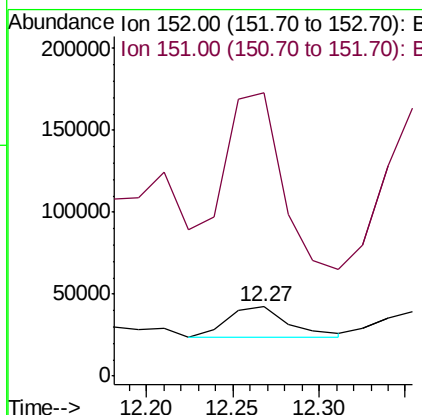
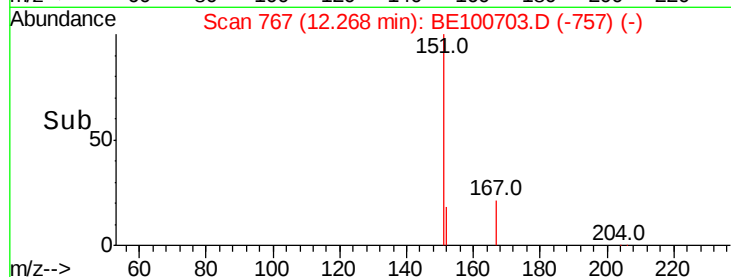
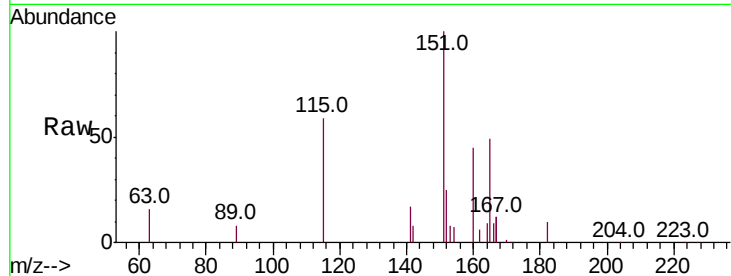
#11
2-Methylnaphthalene-d10
Concen: 0.679 ng
RT: 12.27 min Scan# 767
Delta R.T. 0.04 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Instrument :
BNA_E
ClientSampleId :
SO-3

Tot Ion:152 Resp: 46826
Ion Ratio Lower Upper
152 100
151 519.3 14.7 22.1#

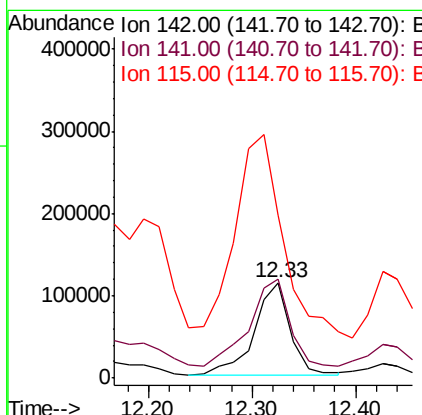
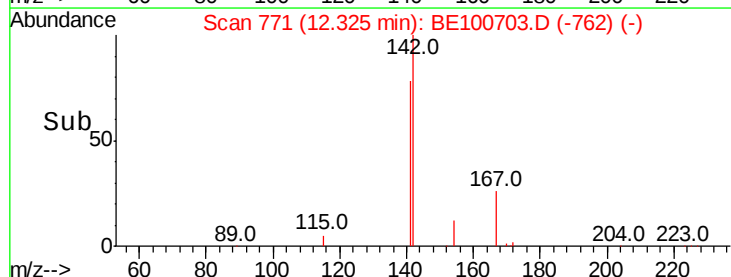
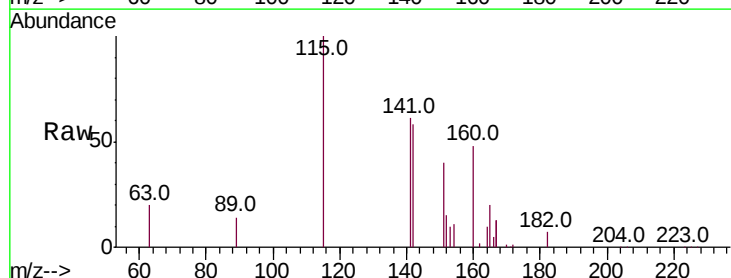
Manual Integrations
APPROVED

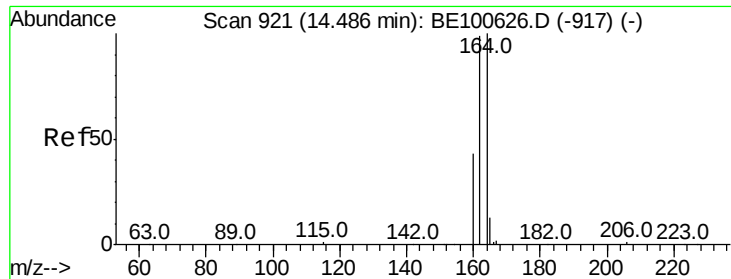
Sohil
11/8/2019 3:32:22 PM



#12
2-Methylnaphthalene
Concen: 3.486 ng
RT: 12.33 min Scan# 771
Delta R.T. 0.03 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Tgt Ion:142 Resp: 273482
Ion Ratio Lower Upper
142 100
141 103.7 70.1 105.1
115 171.3 28.3 42.5#





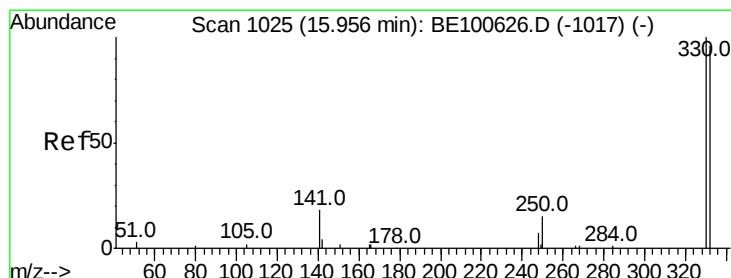
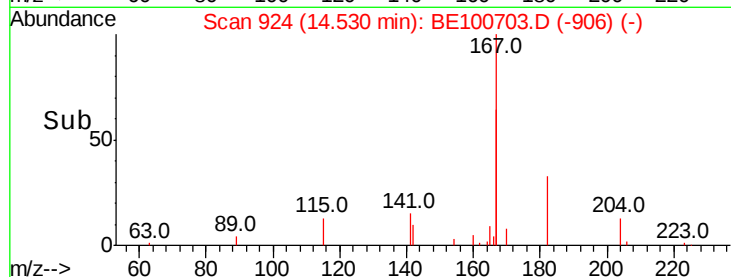
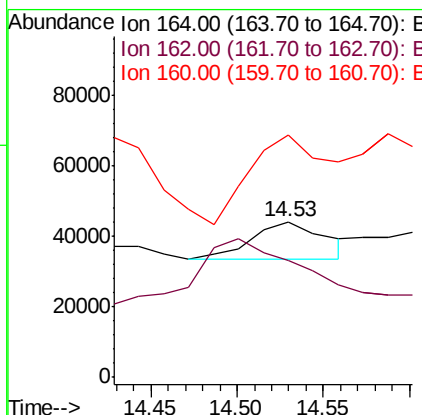
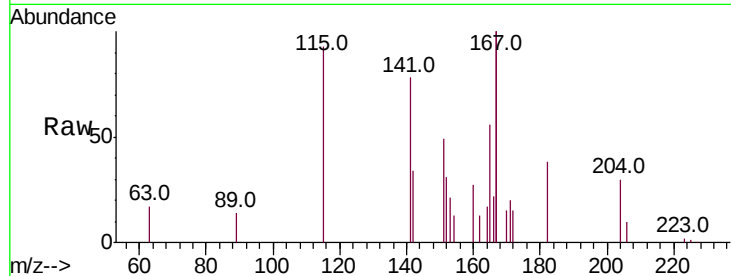
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.06 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Instrument :
BNA_E
ClientSampled :
SO-3

Tot Ion:164 Resp: 31336
Ion Ratio Lower Upper
164 100
162 74.9 82.0 123.0#
160 155.9 37.5 56.3#

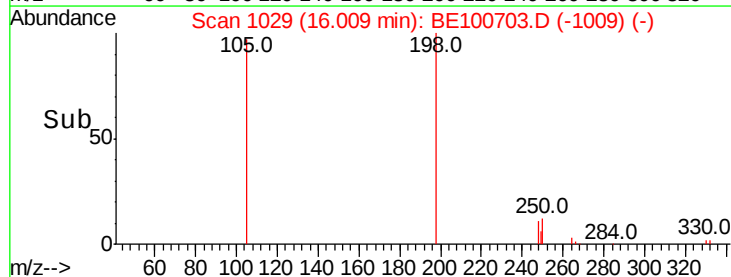
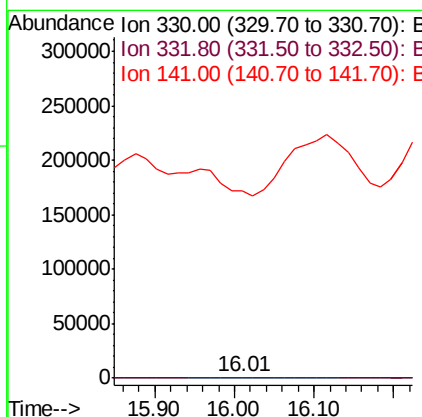
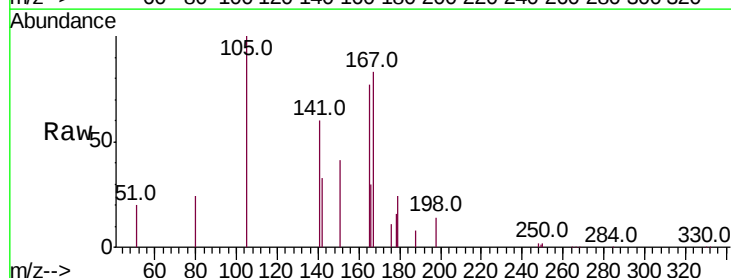
Manual Integrations
APPROVED

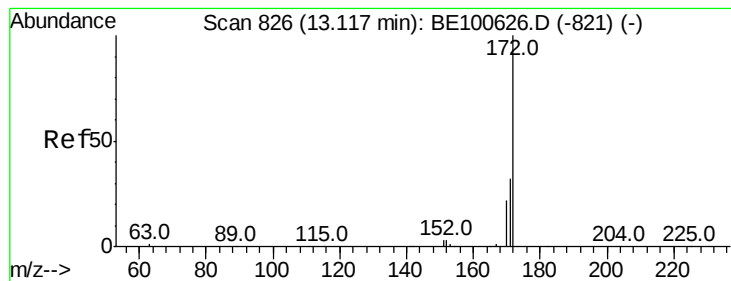
Sohil
11/8/2019 3:32:22 PM



#14
2,4,6-Tribromophenol
Concen: 0.197 ng
RT: 16.01 min Scan# 1029
Delta R.T. 0.07 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Tgt Ion:330 Resp: 1628
Ion Ratio Lower Upper
330 100
332 96.9 77.9 116.9
141 0.0 33.0 49.6#





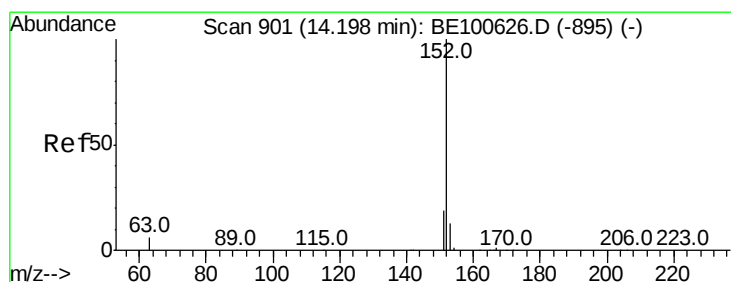
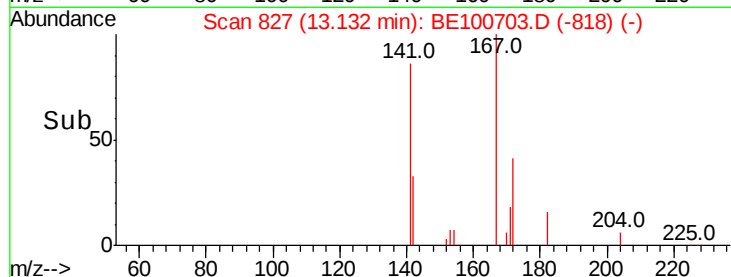
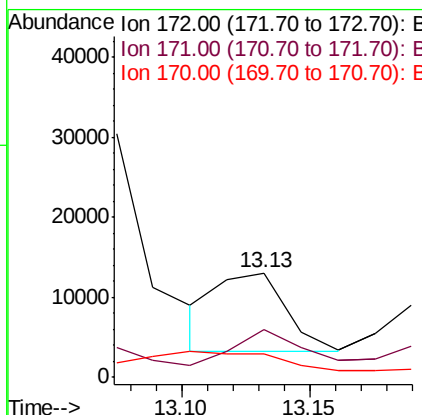
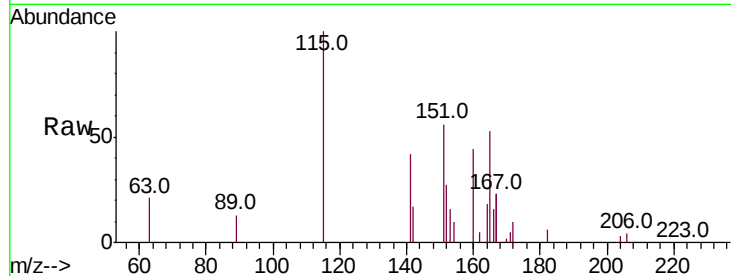
#15
2-Fluorobiphenyl
Concen: 0.160 ng/ml
RT: 13.13 min Scan# 827
Delta R.T. 0.03 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Instrument :
BNA_E
ClientSampleId :
SO-3

Tot Ion	Ratio	Lower	Upper
172	100		
171	46.2	26.5	39.7#
170	22.9	19.0	28.4

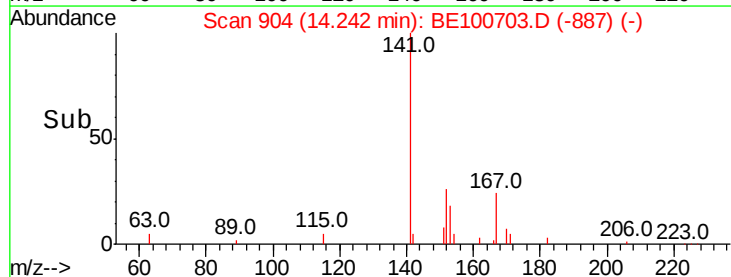
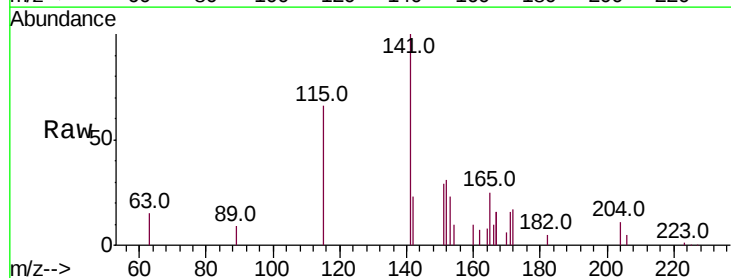
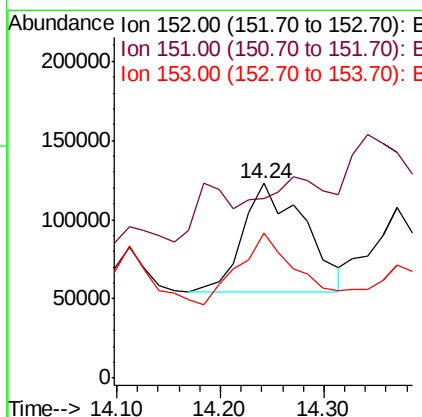
Manual Integrations
APPROVED

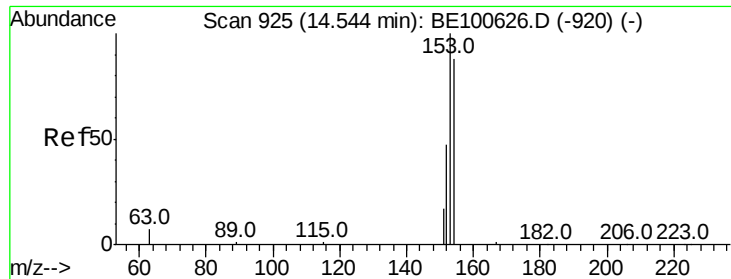
Sohil
11/8/2019 3:32:22 PM



#16
Acenaphthylene
Concen: 2.122 ng/ml
RT: 14.24 min Scan# 904
Delta R.T. 0.04 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	0.0	15.2	22.8#
153	60.9	10.3	15.5#





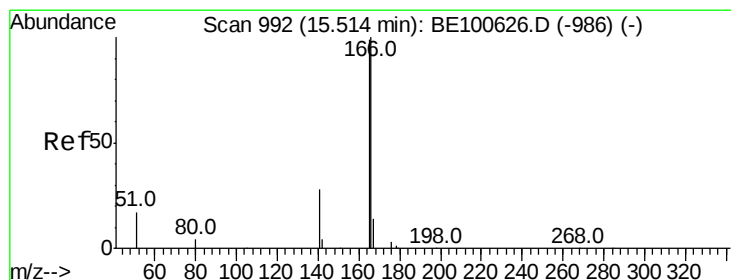
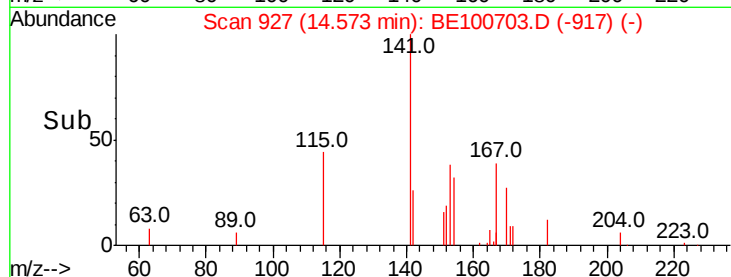
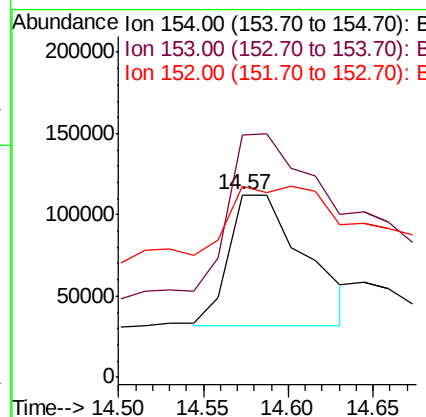
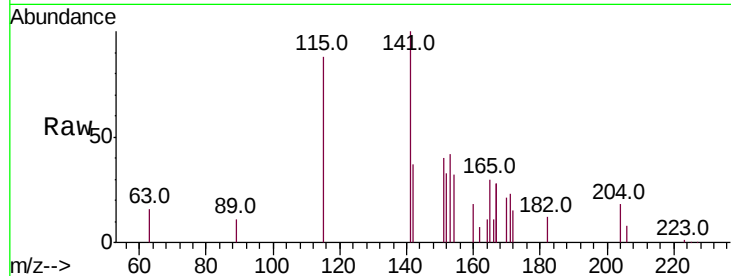
#17
Acenaphthene
Concen: 2.897 ng/ml
RT: 14.57 min Scan# 927
Delta R.T. 0.04 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Instrument :
BNA_E
ClientSampleID :
SO-3

Tot Ion	Ratio	Lower	Upper
154	100		
153	0.0	89.4	134.2#
152	0.0	44.1	66.1#

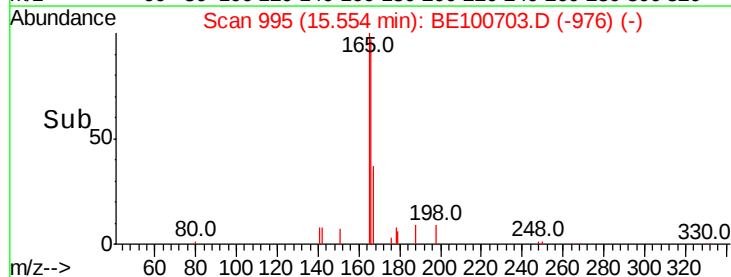
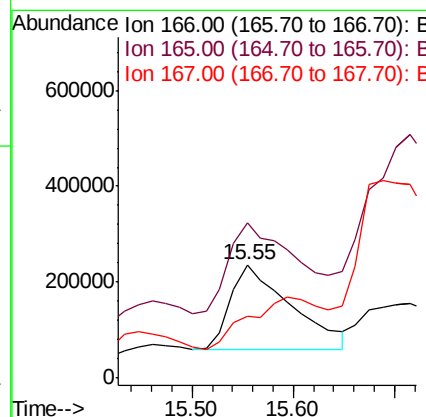
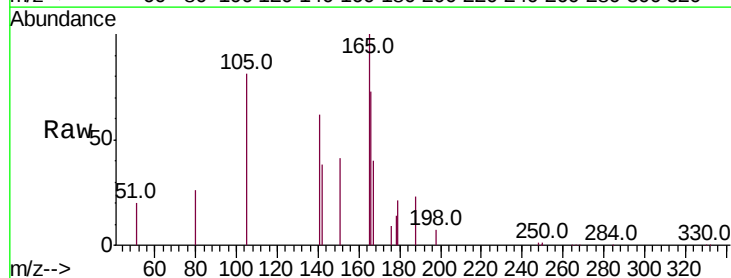
Manual Integrations
APPROVED

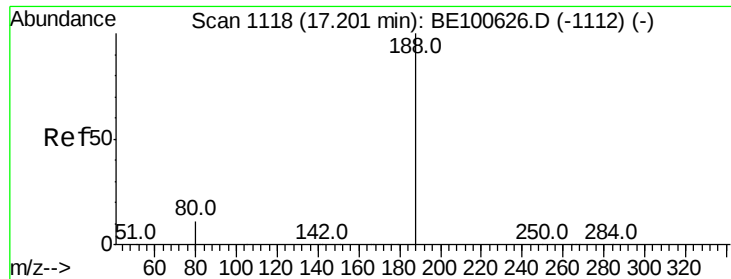
Sohil
11/8/2019 3:32:22 PM



#18
Fluorene
Concen: 6.439 ng
RT: 15.55 min Scan# 995
Delta R.T. 0.05 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Tgt Ion	Ratio	Lower	Upper
166	100		
165	118.9	78.6	117.8#
167	0.0	10.9	16.3#





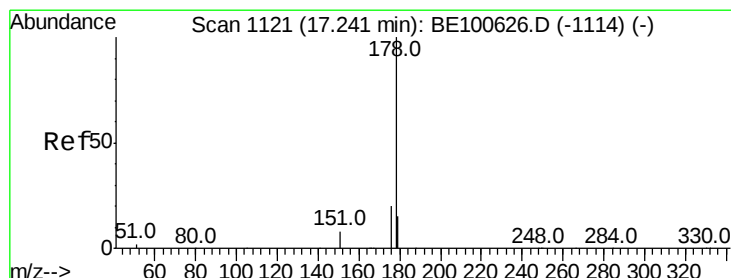
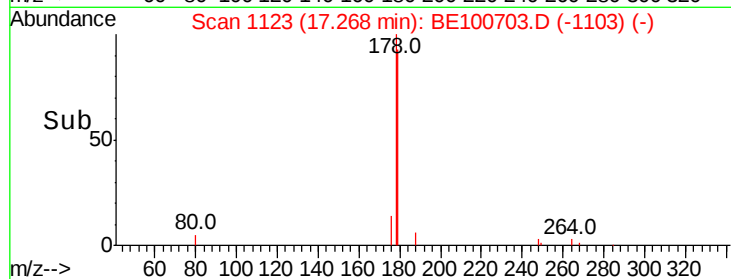
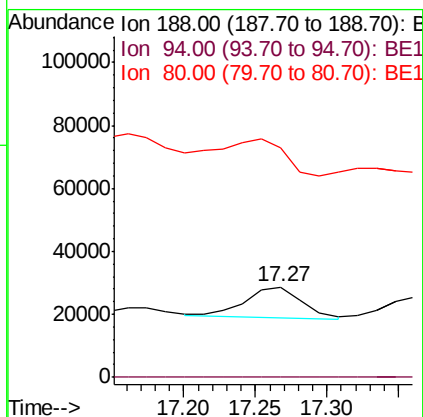
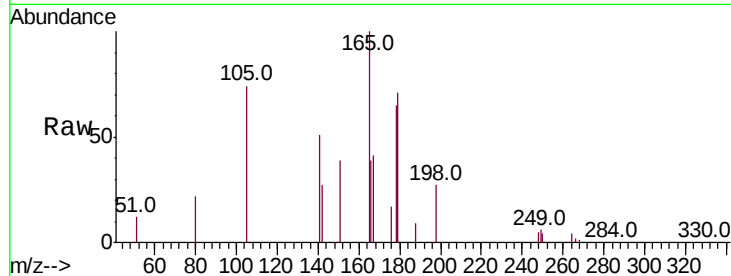
#19
Phenanthrene-d10
Concen: 0.400 ng m
RT: 17.27 min Scan# 1123
Delta R.T. 0.07 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Instrument :
BNA_E
ClientSampled :
SO-3

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	254.3	5.4	8.0#

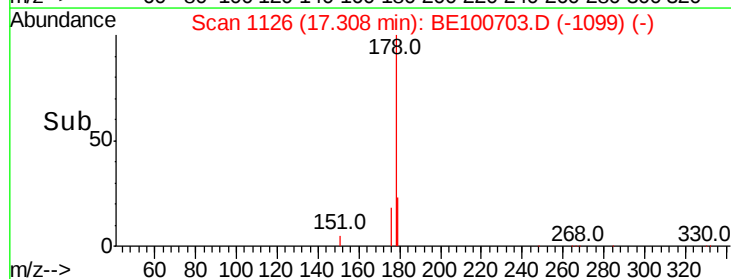
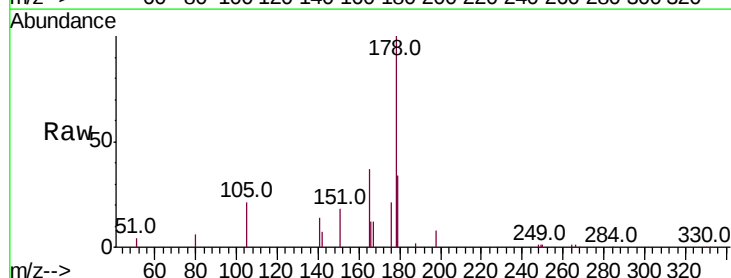
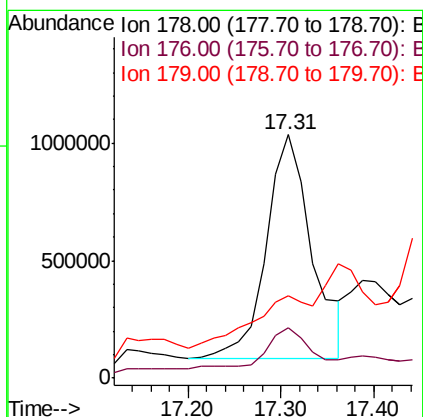
Manual Integrations
APPROVED

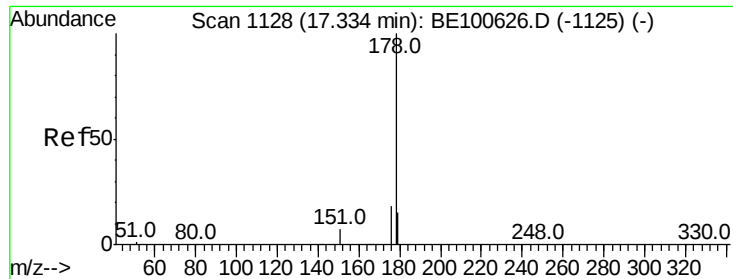
Sohil
11/8/2019 3:32:22 PM



#23
Phenanthrene
Concen: 47.582 ng
RT: 17.31 min Scan# 1126
Delta R.T. 0.07 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.2	22.8
179	30.0	12.1	18.1#





#24

Anthracene

Concen: 3.882 ng

RT: 17.39 min Scan# 1132

Delta R.T. 0.07 min

Lab File: BE100703.D

Acq: 7 Nov 2019 16:08

Instrument :

BNA_E

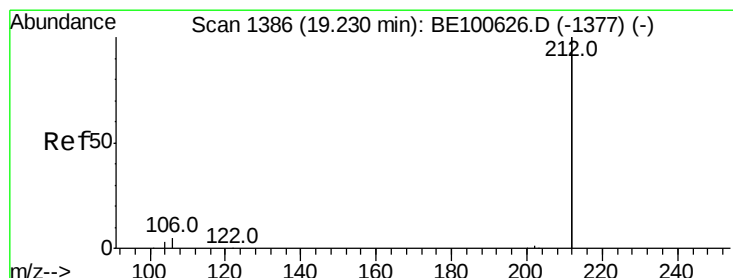
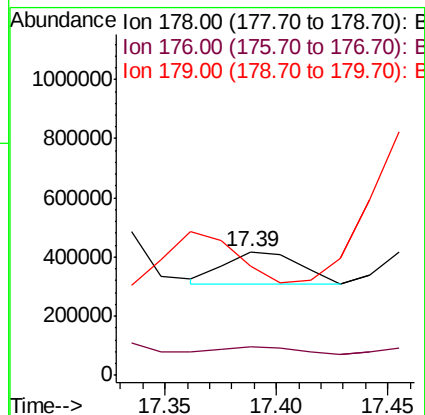
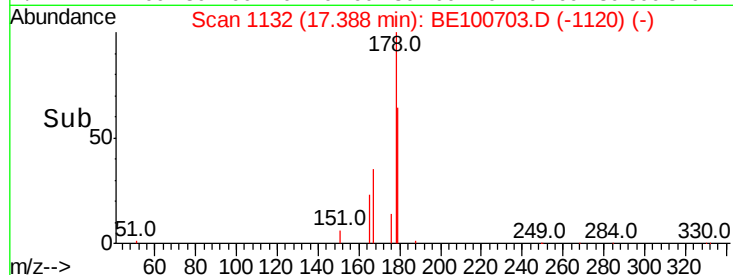
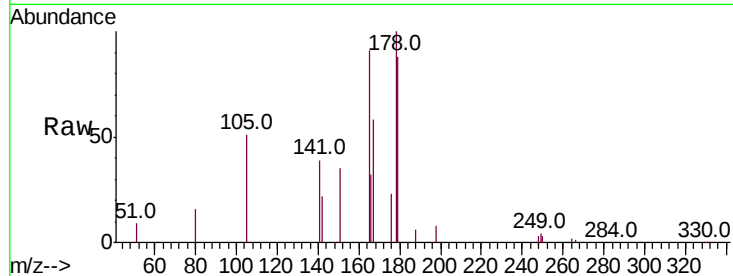
ClientSampled :

SO-3

Tot Ion:	178	Resp:	249365
Ion Ratio	Lower	Upper	
178	100		
176	22.2	15.0	22.4
179	0.0	12.5	18.7#

Manual Integrations
APPROVED

Sohil
11/8/2019 3:32:22 PM



#25

Fluoranthene-d10

Concen: 1.714 ng m

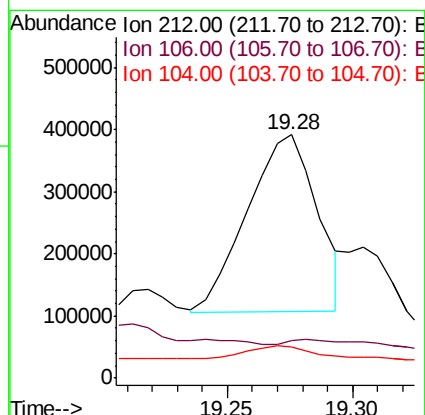
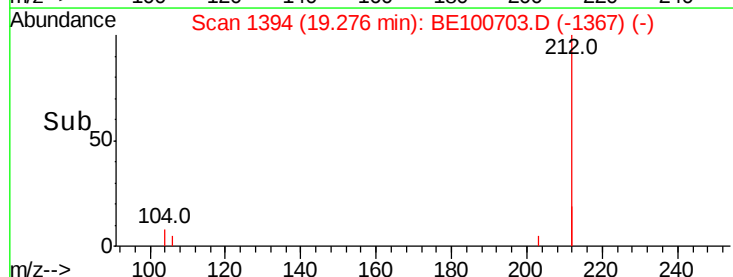
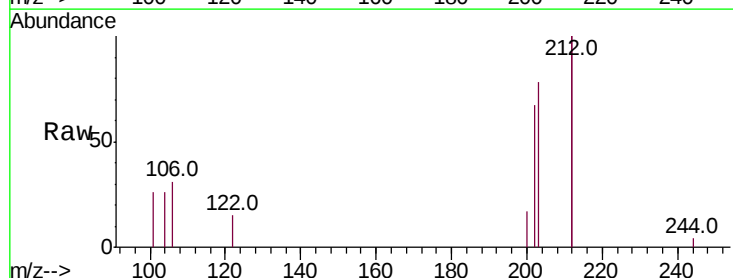
RT: 19.28 min Scan# 1394

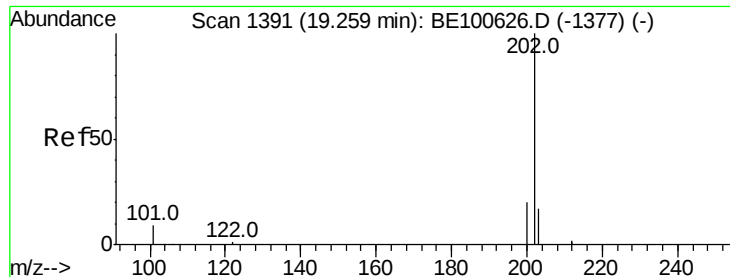
Delta R.T. 0.06 min

Lab File: BE100703.D

Acq: 7 Nov 2019 16:08

Tgt Ion:	212	Resp:	556759
Ion Ratio	Lower	Upper	
212	100		
106	6.5	2.3	3.5#
104	10.2	1.3	1.9#





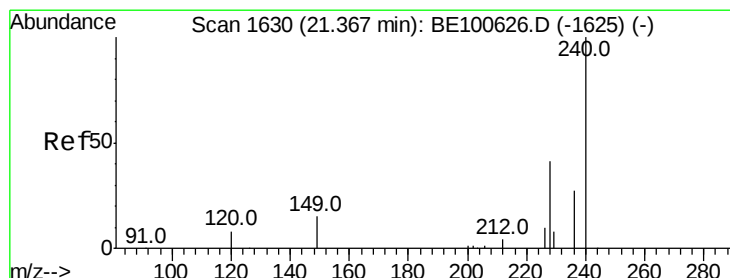
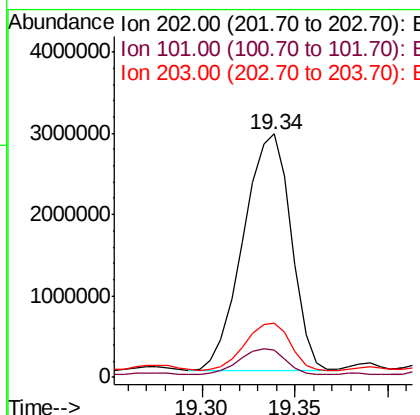
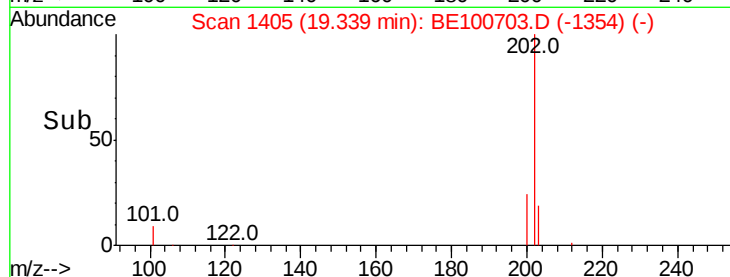
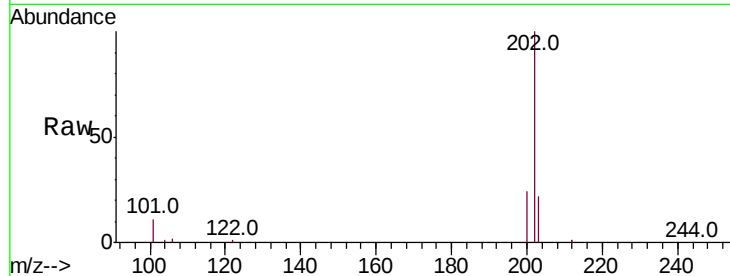
#26
Fluoranthene
Concen: 57.849 ng
RT: 19.34 min Scan# 1405
Delta R.T. 0.09 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Instrument :
BNA_E
ClientSampleId :
SO-3

Tot Ion:202 Resp: 5227380
Ion Ratio Lower Upper
202 100
101 10.6 8.5 12.7
203 19.2 13.8 20.8

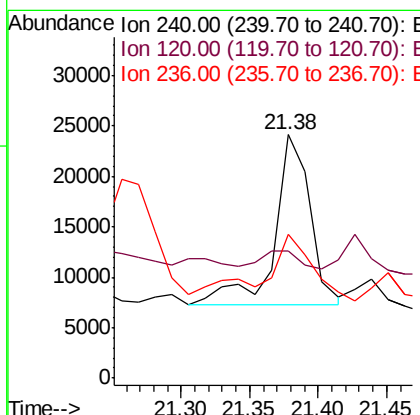
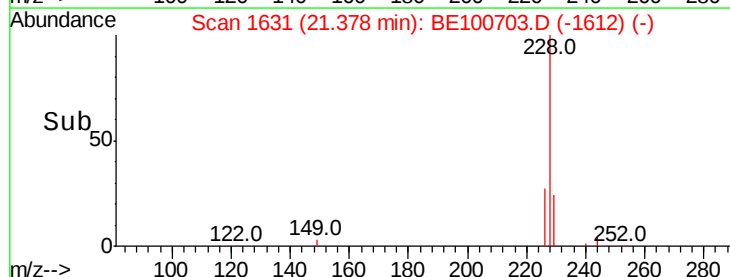
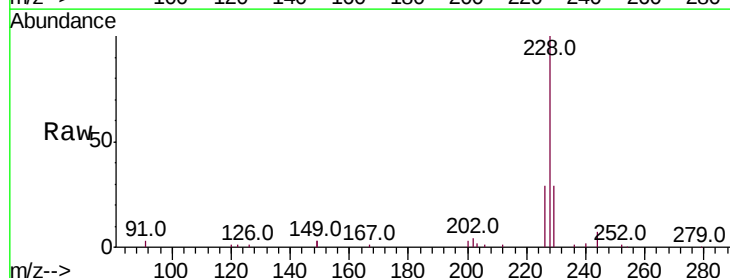
Manual Integrations
APPROVED

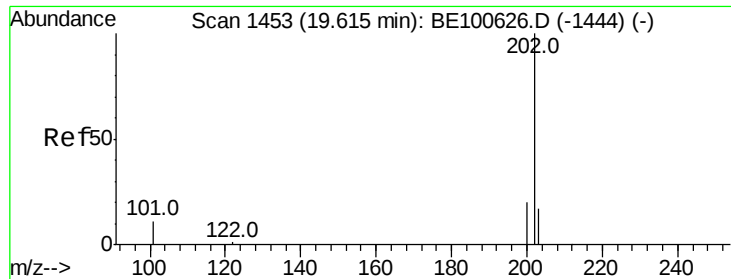
Sohil
11/8/2019 3:32:22 PM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.02 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Tgt Ion:240 Resp: 30292
Ion Ratio Lower Upper
240 100
120 52.4 7.6 11.4#
236 59.2 22.1 33.1#





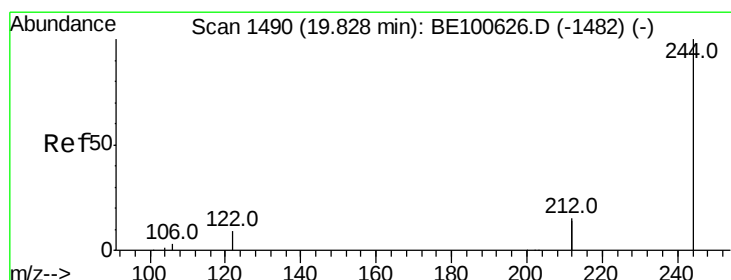
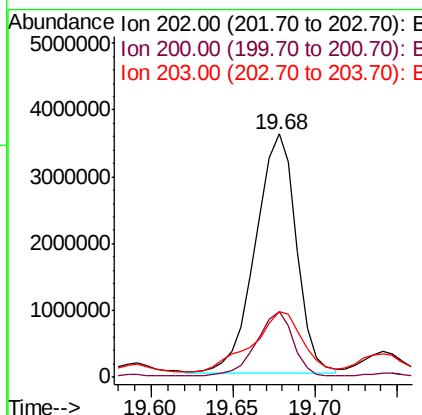
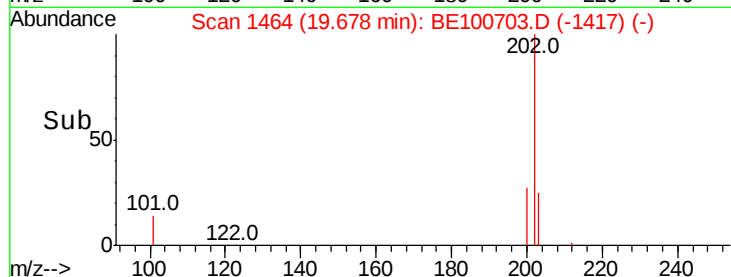
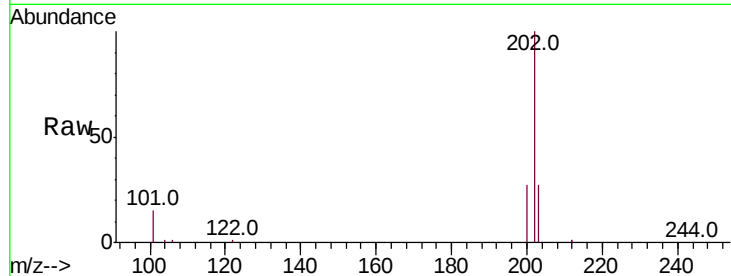
#28
Pvrene
Concen: 72.409 ng/ml
RT: 19.68 min Scan# 1464
Delta R.T. 0.07 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Instrument :
BNA_E
ClientSampleID :
SO-3

Tot Ion: 202 Resp: 6128125
Ion Ratio Lower Upper
202 100
200 0.0 16.7 25.1#
203 2.7 14.0 21.0#

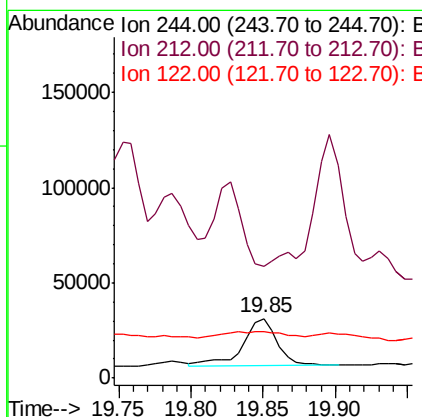
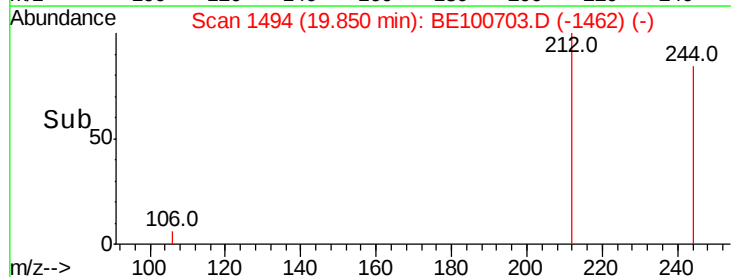
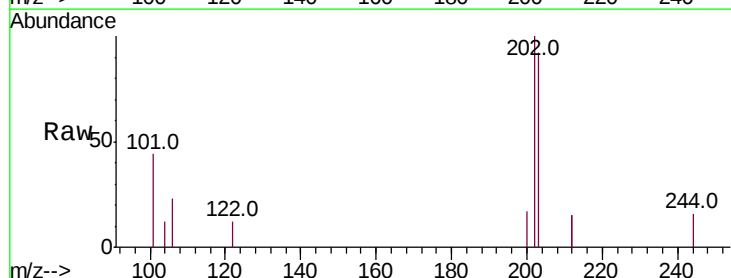
Manual Integrations
APPROVED

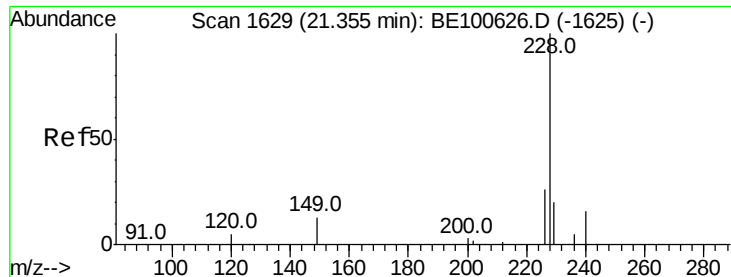
Sohil
11/8/2019 3:32:22 PM



#29
Terphenyl-d14
Concen: 0.611 ng
RT: 19.85 min Scan# 1494
Delta R.T. 0.03 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Tgt Ion: 244 Resp: 40443
Ion Ratio Lower Upper
244 100
212 187.9 23.7 35.5#
122 77.7 7.9 11.9#





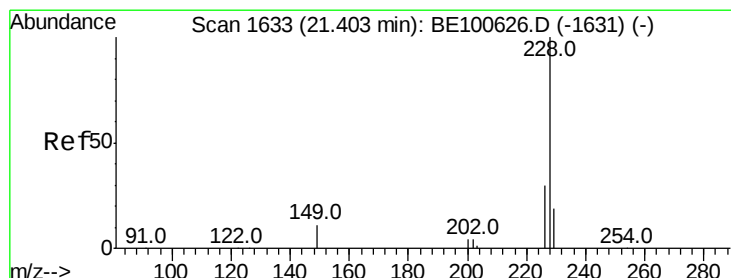
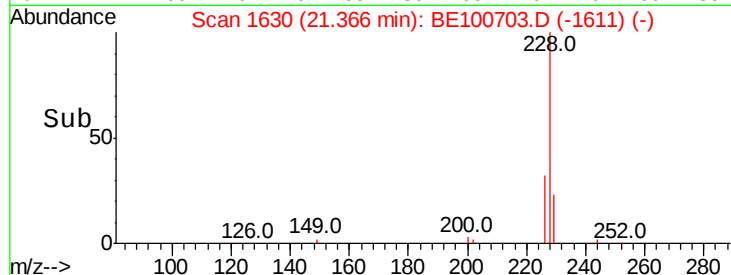
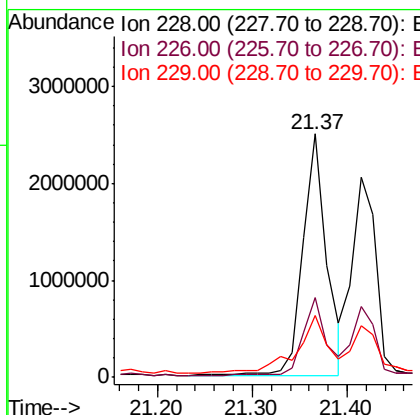
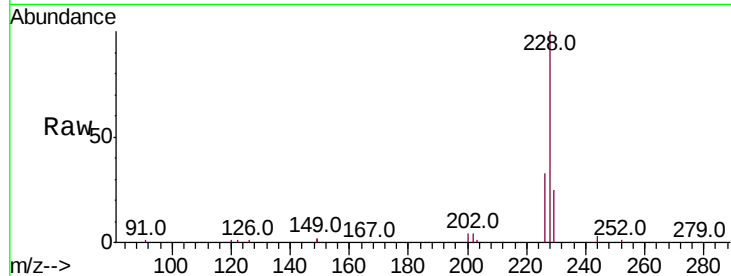
#30
Benzo(a)anthracene
Concen: 43.546 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.02 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Instrument :
BNA_E
ClientSampleId :
SO-3

Tot Ion:228 Resp: 4302946
Ion Ratio Lower Upper
228 100
226 32.5 21.4 32.0#
229 25.2 16.0 24.0#

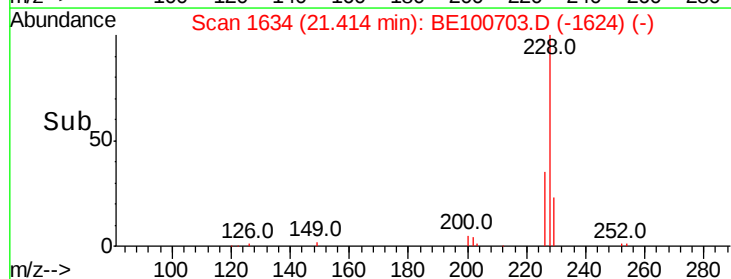
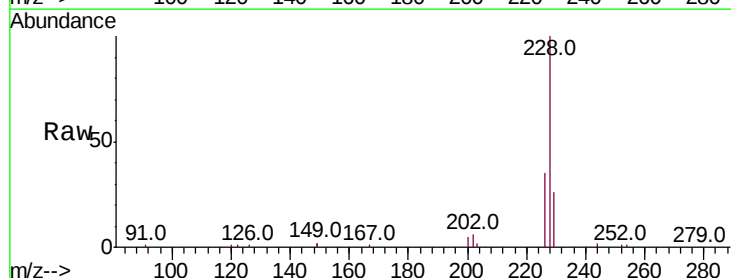
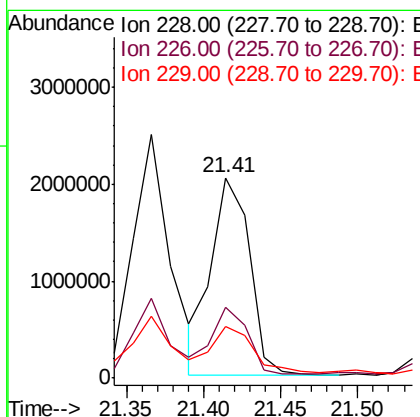
Manual Integrations
APPROVED

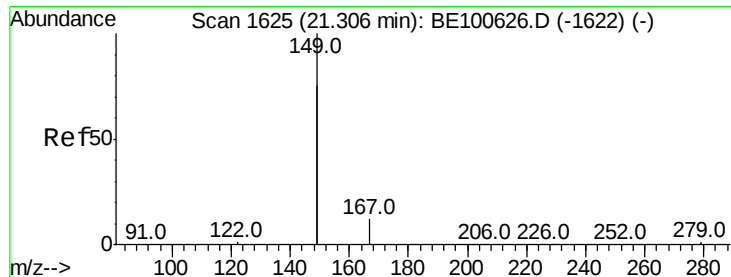
Sohil
11/8/2019 3:32:22 PM



#31
Chrysene
Concen: 35.207 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.02 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Tgt Ion:228 Resp: 3476779
Ion Ratio Lower Upper
228 100
226 35.3 24.6 37.0
229 25.8 15.8 23.8#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.369 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE100703.D

Acq: 7 Nov 2019 16:08

Instrument :

BNA_E

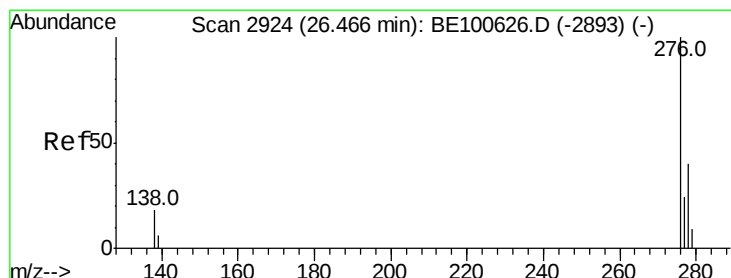
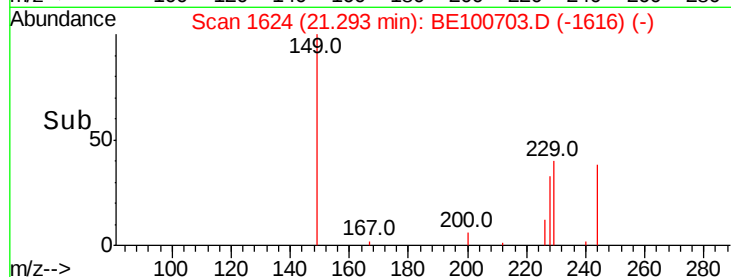
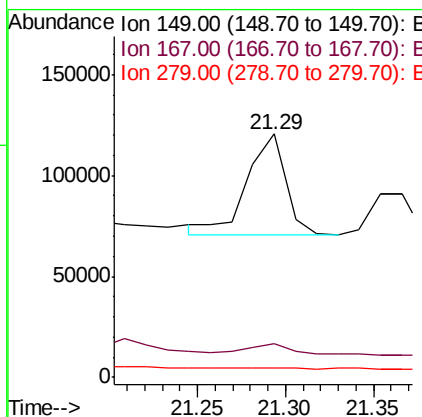
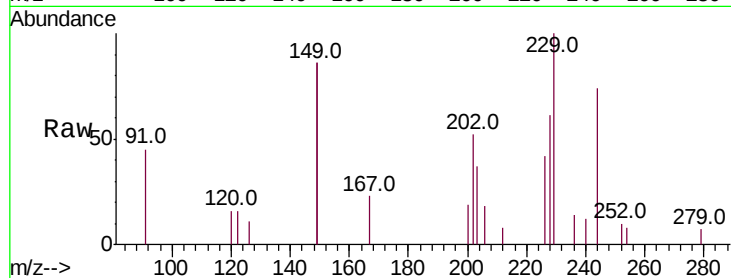
ClientSampled :

SO-3

Tot Ion:	149	Resp:	76349
Ion Ratio	Lower	Upper	
149	100		
167	13.6	5.5	8.3#
279	4.3	0.9	1.3#

Manual Integrations
APPROVED

Sohil
11/8/2019 3:32:22 PM



#33

Indeno(1,2,3-cd)pyrene

Concen: 33.164 ng

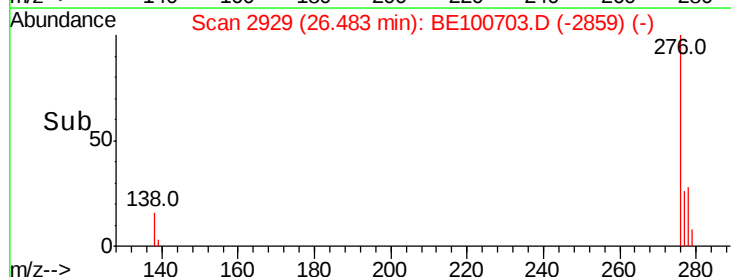
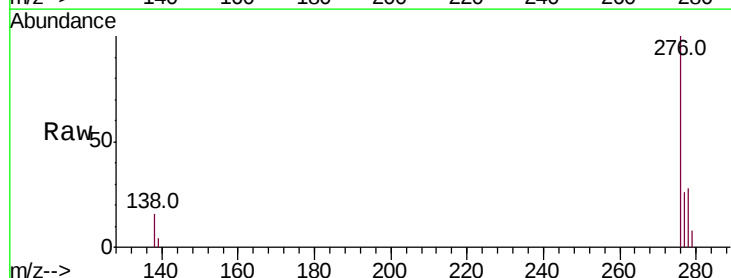
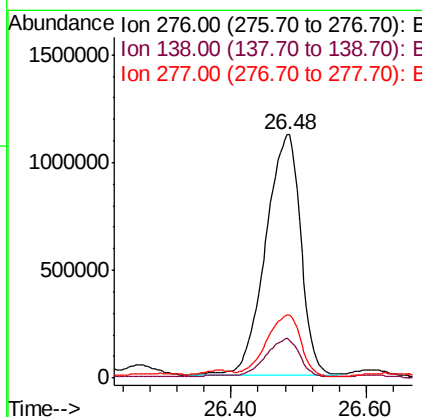
RT: 26.48 min Scan# 2929

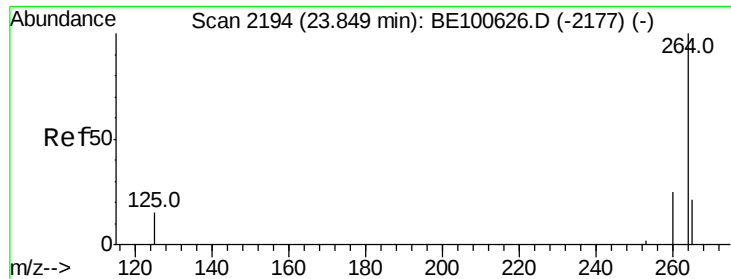
Delta R.T. 0.05 min

Lab File: BE100703.D

Acq: 7 Nov 2019 16:08

Tgt Ion:	276	Resp:	4025115
Ion Ratio	Lower	Upper	
276	100		
138	15.4	15.3	22.9
277	25.5	19.4	29.2





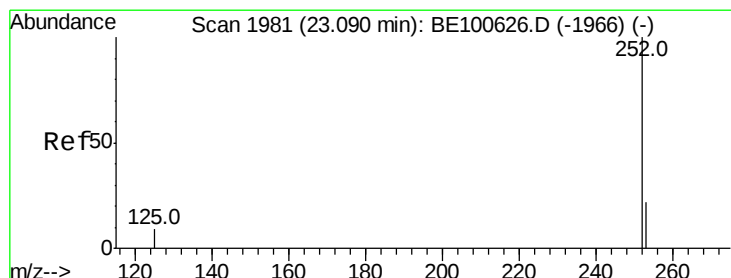
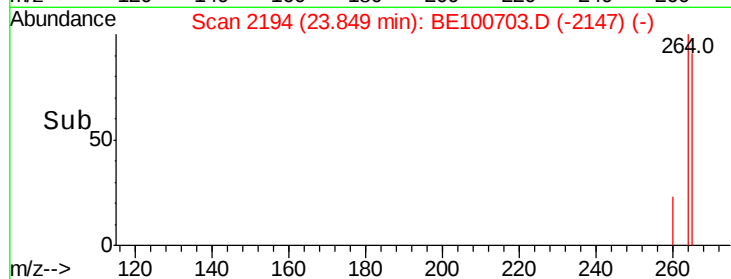
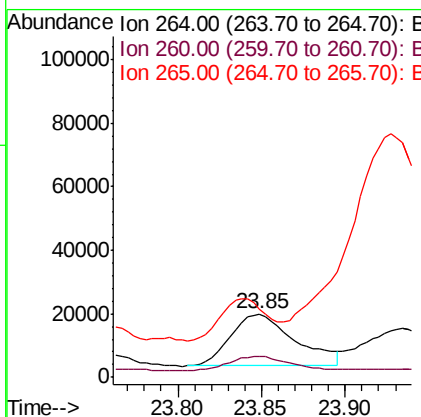
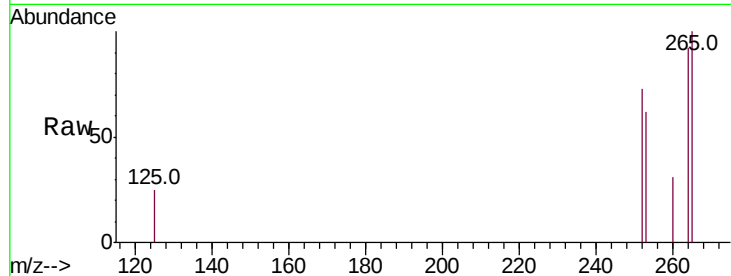
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.85 min Scan# 2194
Delta R.T. 0.02 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Instrument :
BNA_E
ClientSampled :
SO-3

Tot Ion:264 Resp: 43804
Ion Ratio Lower Upper
264 100
260 33.2 19.4 29.2#
265 108.2 21.7 32.5#

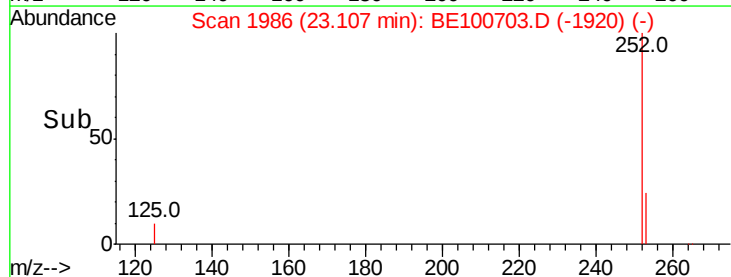
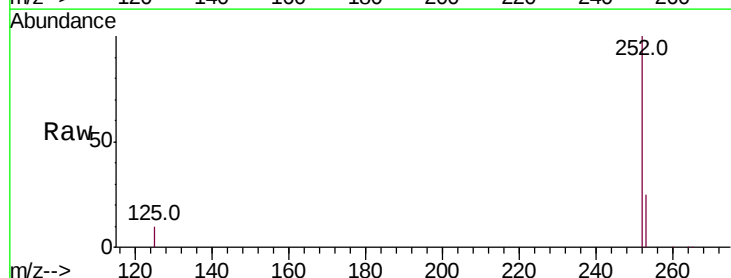
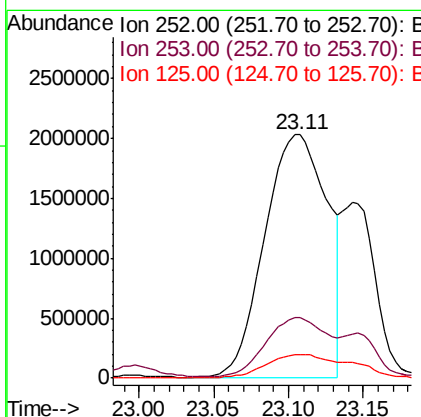
Manual Integrations
APPROVED

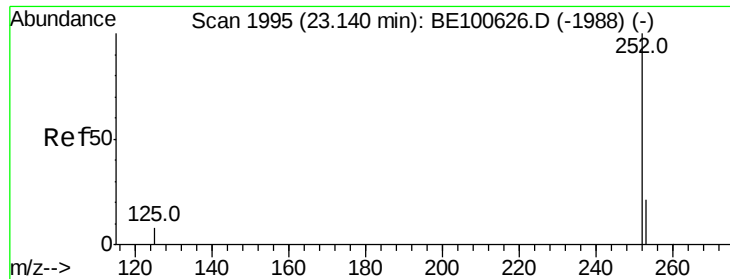
Sohil
11/8/2019 3:32:22 PM



#35
Benzo(b)fluoranthene
Concen: 46.023 ng
RT: 23.11 min Scan# 1986
Delta R.T. 0.04 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Tgt Ion:252 Resp: 5878448
Ion Ratio Lower Upper
252 100
253 24.9 18.4 27.6
125 9.9 7.6 11.4





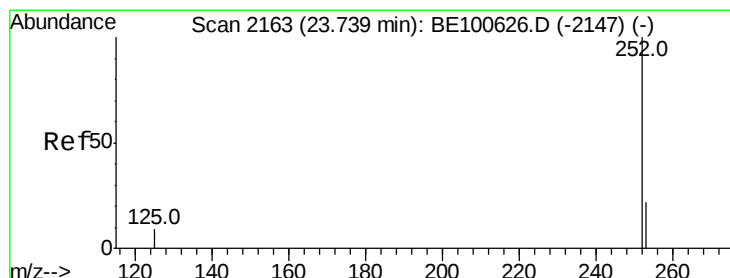
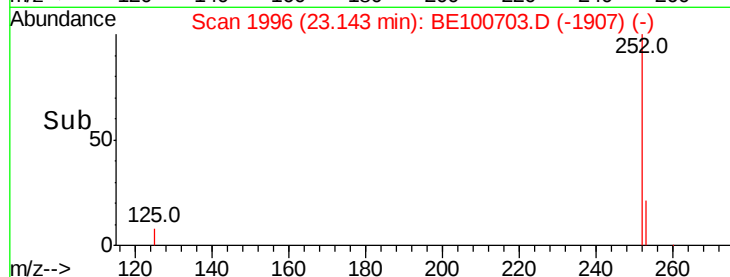
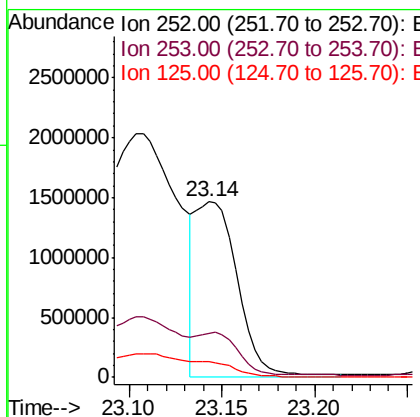
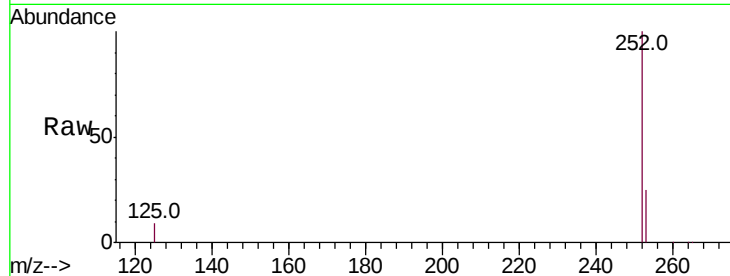
#36
Benzo(k)fluoranthene
Concen: 17.884 ng m
RT: 23.14 min Scan# 1996
Delta R.T. 0.02 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Instrument :
BNA_E
ClientSampled :
SO-3

Tot Ion:252 Resp: 2349309
Ion Ratio Lower Upper
252 100
253 25.3 18.4 27.6
125 8.7 11.6 17.4#

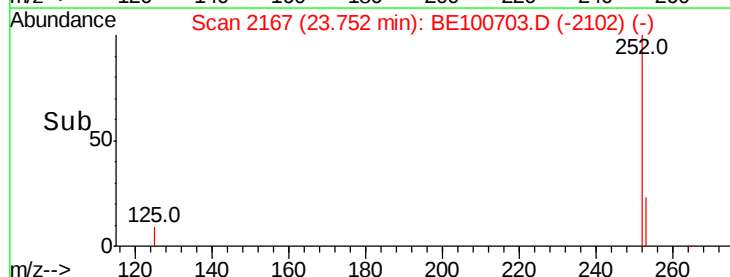
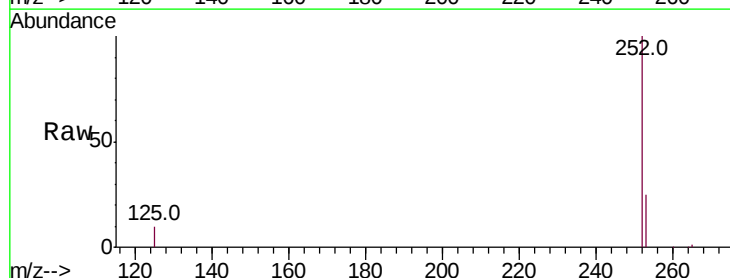
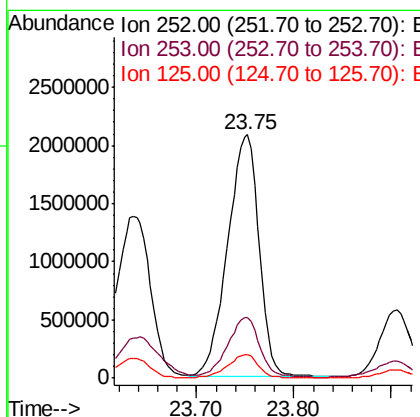
Manual Integrations
APPROVED

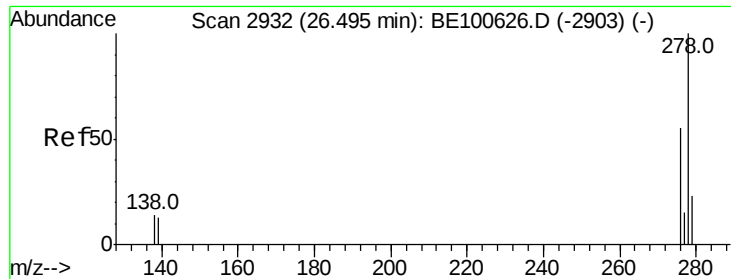
Sohil
11/8/2019 3:32:22 PM



#37
Benzo(a)pyrene
Concen: 39.222 ng
RT: 23.75 min Scan# 2167
Delta R.T. 0.03 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Tgt Ion:252 Resp: 4663307
Ion Ratio Lower Upper
252 100
253 24.9 18.4 27.6
125 9.7 8.2 12.4





#38
Dibenzo(a,h)anthracene
Concen: 8.854 ng
RT: 26.49 min Scan# 2931
Delta R.T. 0.03 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

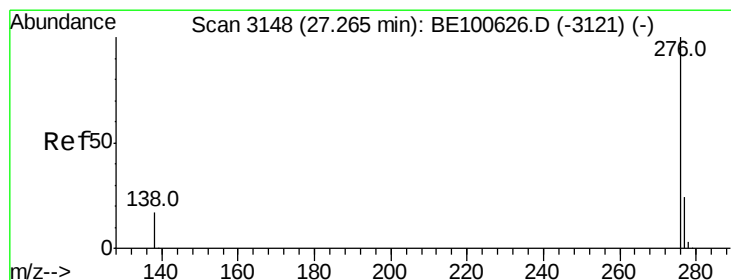
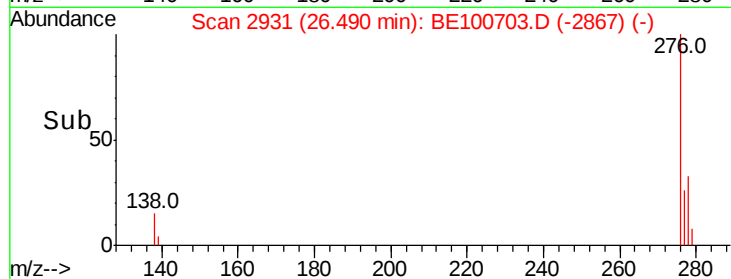
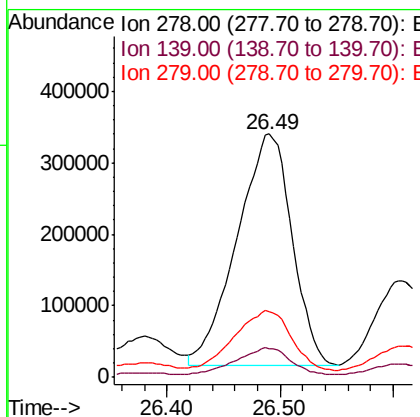
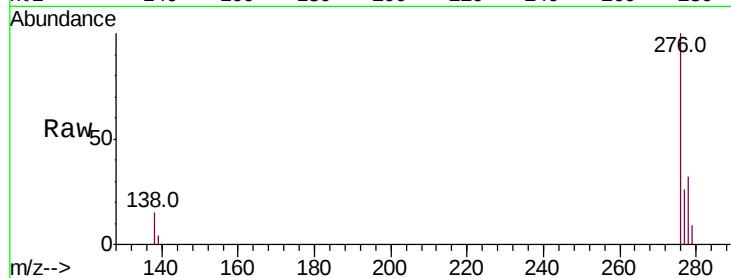
Instrument :
BNA_E
ClientSampleId :
SO-3

Tot Ion:278 Resp: 1088103

Ion	Ratio	Lower	Upper
278	100		
139	11.9	10.9	16.3
279	27.1	19.4	29.2

Manual Integrations
APPROVED

Sohil
11/8/2019 3:32:22 PM



#39
Benzo(g,h,i)perylene
Concen: 30.831 ng
RT: 27.29 min Scan# 3156
Delta R.T. 0.06 min
Lab File: BE100703.D
Acq: 7 Nov 2019 16:08

Tgt Ion:276 Resp: 3810481

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.4	29.0
138	15.9	13.6	20.4

