

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110719\
 Data File : BE100708.D
 Acq On : 7 Nov 2019 19:13
 Operator : JU
 Sample : K5725-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SO-4

Manual Integrations
 APPROVED

Sohil
 11/8/2019 3:32:30 PM

Quant Time: Nov 08 11:40:13 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	2559	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	13884	0.40	ng	0.01
13) Acenaphthene-d10	14.50	164	25100	0.40	ng	0.03
19) Phenanthrene-d10	17.23	188	15772	0.40	ng	0.03
27) Chrysene-d12	21.39	240	21477	0.40	ng	0.04
34) Perylene-d12	23.88	264	28380	0.40	ng	0.05

System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	2134	0.27	ng	0.01
5) Phenol-d6	7.02	99	3729	0.33	ng	0.01
8) Nitrobenzene-d5	9.00	82	9352m	1.09	ng	0.01
11) 2-Methylnaphthalene-d10	12.24	152	12580	0.57	ng	0.01
14) 2,4,6-Tribromophenol	15.98	330	1004	0.15	ng	0.04
15) 2-Fluorobiphenyl	13.12	172	7818	0.09	ng	0.01
25) Fluoranthene-d10	19.24	212	113999	0.56	ng	0.02
29) Terphenyl-d14	19.83	244	18525	0.39	ng	0.02

Target Compounds						Qvalue
9) Naphthalene	10.69	128	1823379	12.489	ng	# 99
12) 2-Methylnaphthalene	12.31	142	531959	21.376	ng	# 90
16) Acenaphthylene	14.21	152	375724	3.479	ng	# 69
17) Acenaphthene	14.56	154	188675	2.703	ng	# 68
18) Fluorene	15.53	166	335519	3.619	ng	# 64
23) Phenanthrene	17.27	178	2537056	58.482	ng	# 93
24) Anthracene	17.36	178	646465	16.060	ng	# 81
26) Fluoranthene	19.31	202	4854194	85.732	ng	# 96
28) Pyrene	19.65	202	4922998	82.045	ng	# 88
30) Benzo(a)anthracene	21.37	228	3192342	45.567	ng	# 92
31) Chrysene	21.43	228	3089056m	44.120	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.29	149	453597	3.095	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.55	276	3414394	39.679	ng	# 96
35) Benzo(b)fluoranthene	23.13	252	4934225	59.626	ng	# 98
36) Benzo(k)fluoranthene	23.17	252	1895044m	22.266	ng	# 98
37) Benzo(a)pyrene	23.78	252	3604428	46.793	ng	# 98
38) Dibenzo(a,h)anthracene	26.55	278	789090	9.911	ng	# 95
39) Benzo(a,h,i)perylene	27.37	276	3367490	42.054	ng	# 98

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

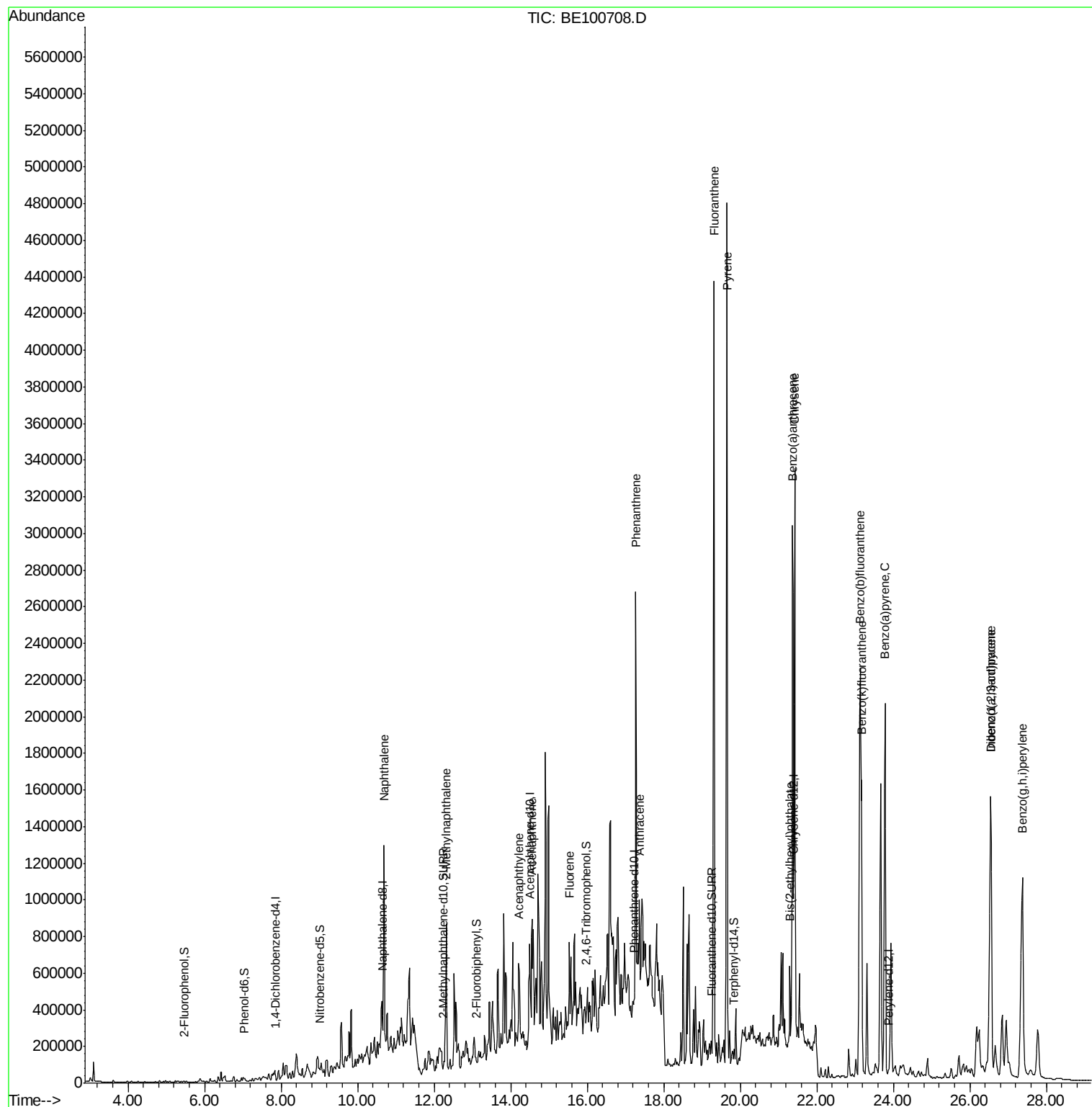
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110719\
Data File : BE100708.D
Acq On : 7 Nov 2019 19:13
Operator : JU
Sample : K5725-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

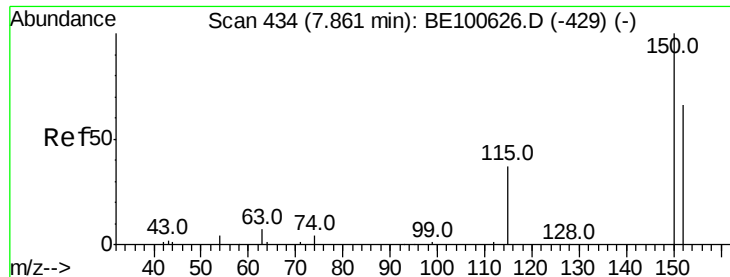
Instrument :
BNA_E
ClientSampled :
SO-4

Quant Time: Nov 08 11:40:13 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

Manual Integrations
APPROVED

Sohil
11/8/2019 3:32:30 PM





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.85 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE100708.D

Acq: 7 Nov 2019 19:13

Instrument :

BNA_E

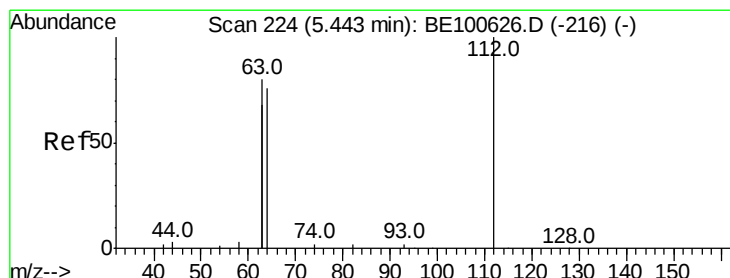
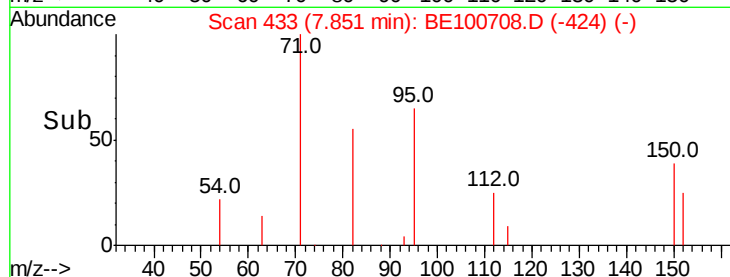
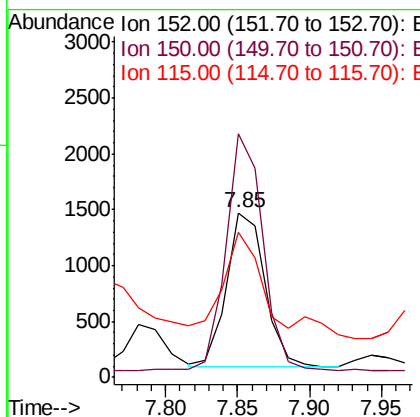
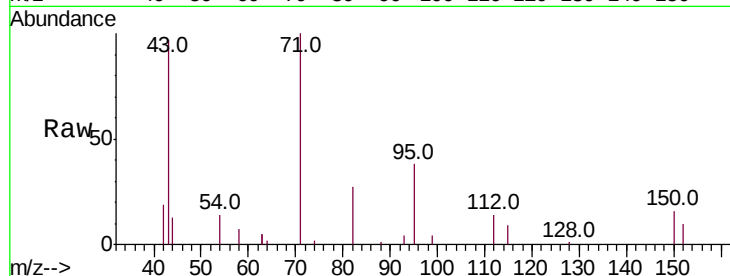
ClientSampled :

SO-4

Tot Ion:	152	Resp:	2559
Ion Ratio	Lower	Upper	
152	100		
150	148.1	123.3	184.9
115	88.6	51.9	77.9#

Manual Integrations
APPROVED

Sohil
11/8/2019 3:32:30 PM



#4

2-Fluorophenol

Concen: 0.270 ng

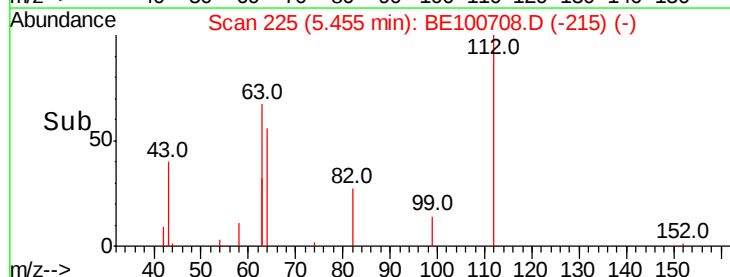
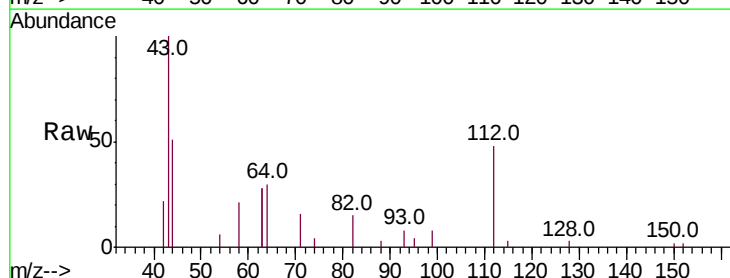
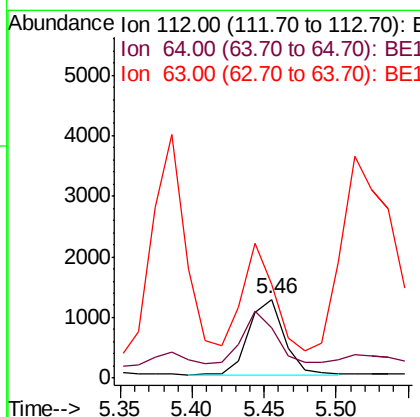
RT: 5.46 min Scan# 225

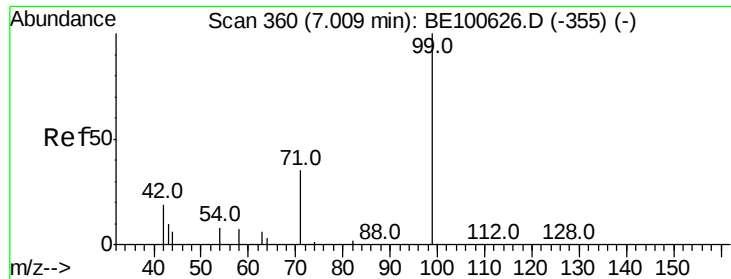
Delta R.T. 0.01 min

Lab File: BE100708.D

Acq: 7 Nov 2019 19:13

Tgt Ion:	112	Resp:	2134
Ion Ratio	Lower	Upper	
112	100		
64	63.3	55.4	83.2
63	123.9	114.2	171.4





#5

Phenol-d6

Concen: 0.335 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.01 min

Lab File: BE100708.D

Acq: 7 Nov 2019 19:13

Instrument :

BNA_E

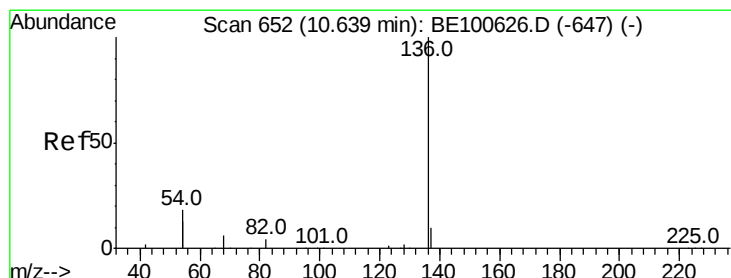
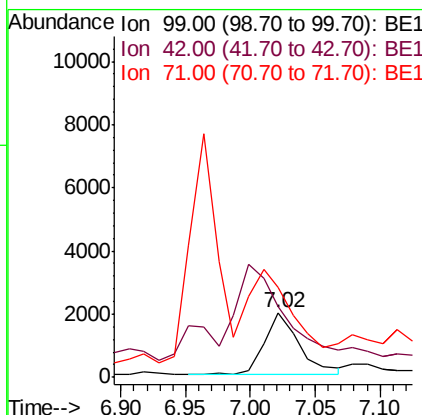
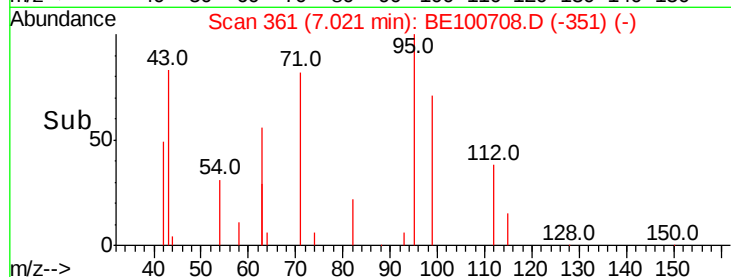
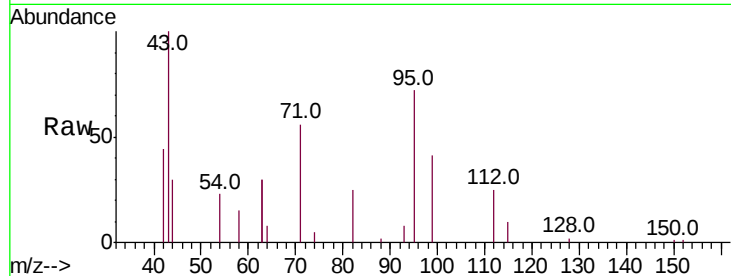
ClientSampled :

SO-4

Tot Ion:	99	Resp:	3729
Ion Ratio	Lower	Upper	
99	100		
42	0.0	17.7	26.5#
71	0.0	27.4	41.0#

Manual Integrations
APPROVED

Sohil
11/8/2019 3:32:30 PM



#7

Naphthalene-d8

Concen: 0.400 ng

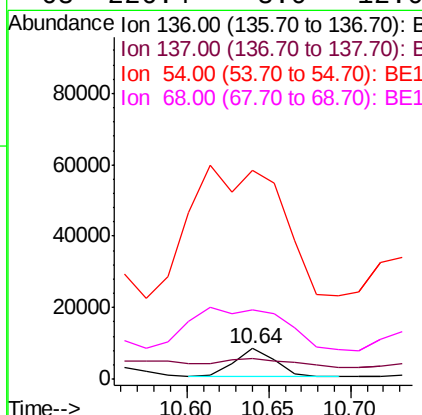
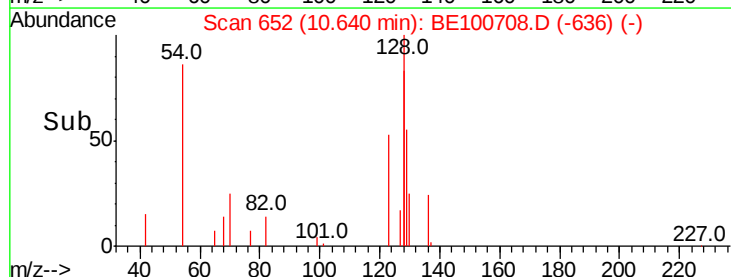
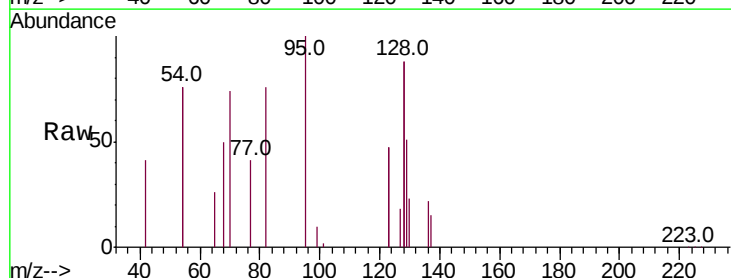
RT: 10.64 min Scan# 652

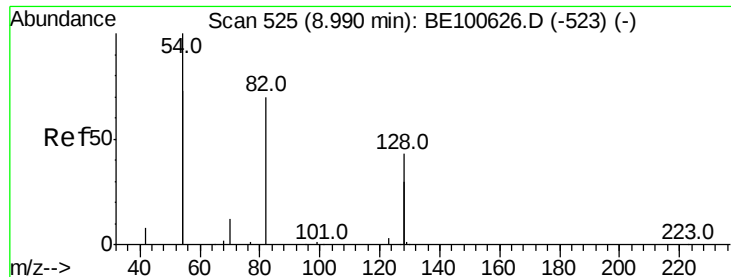
Delta R.T. 0.01 min

Lab File: BE100708.D

Acq: 7 Nov 2019 19:13

Tgt Ion:	136	Resp:	13884
Ion Ratio	Lower	Upper	
136	100		
137	67.0	9.2	13.8#
54	686.9	39.4	59.2#
68	226.4	8.0	12.0#





#8

Nitrobenzene-d5

Concen: 1.087 ng/ml

RT: 9.00 min Scan# 526

Delta R.T. 0.01 min

Lab File: BE100708.D

Acq: 7 Nov 2019 19:13

Instrument :

BNA_E

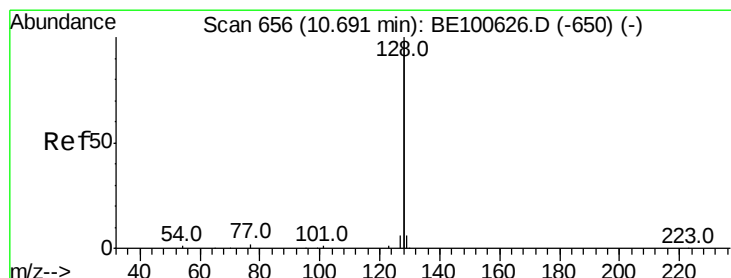
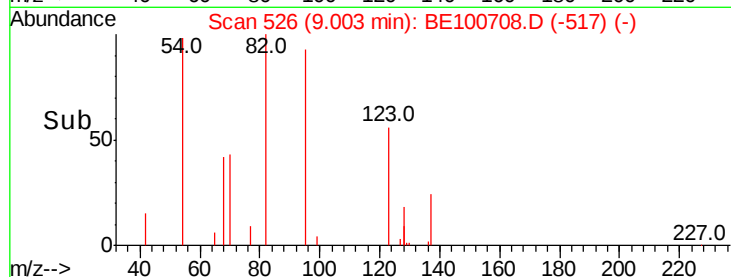
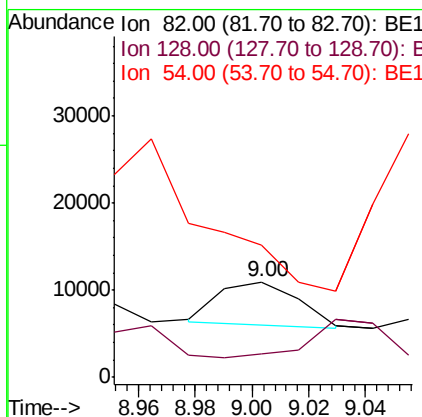
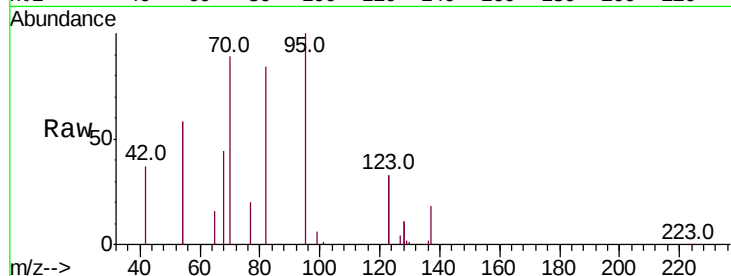
ClientSampled :

SO-4

Tot Ion	Ratio	Lower	Upper
82	100		
128	12.6	107.8	161.8#
54	68.9	166.1	249.1#

Manual Integrations
APPROVED

Sohil
11/8/2019 3:32:30 PM



#9

Naphthalene

Concen: 12.489 ng/ml

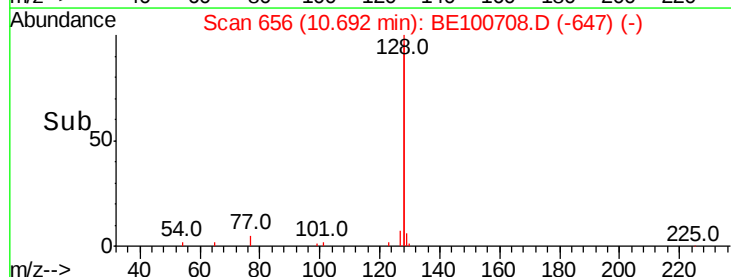
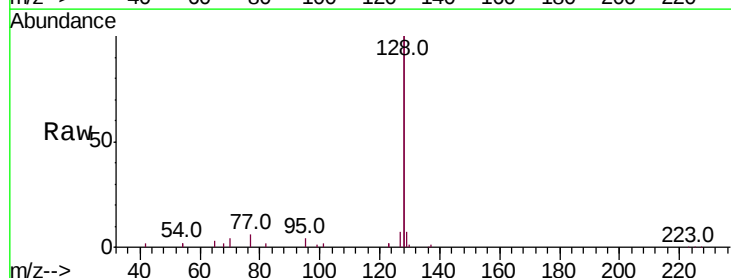
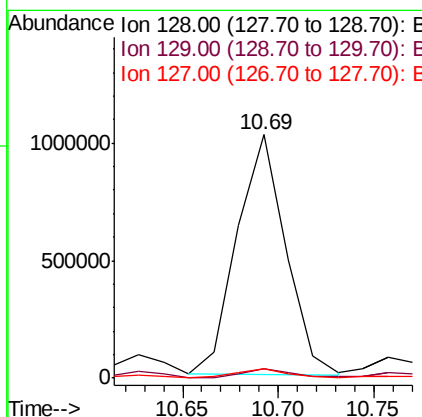
RT: 10.69 min Scan# 656

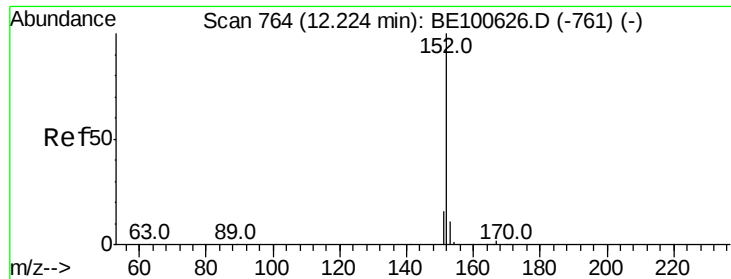
Delta R.T. 0.01 min

Lab File: BE100708.D

Acq: 7 Nov 2019 19:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	3.6	2.3	3.5#
127	3.7	2.7	4.1





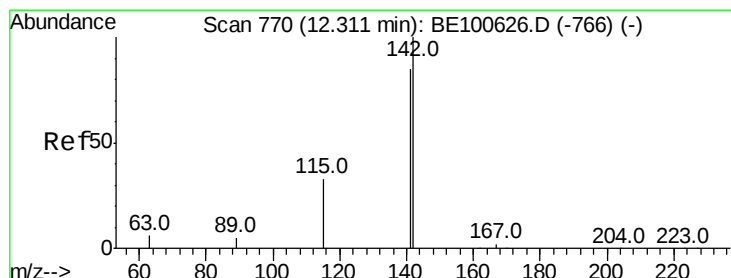
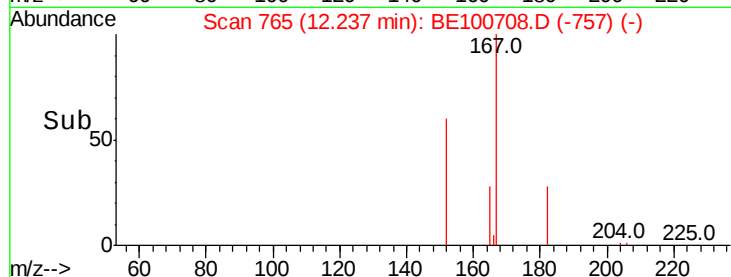
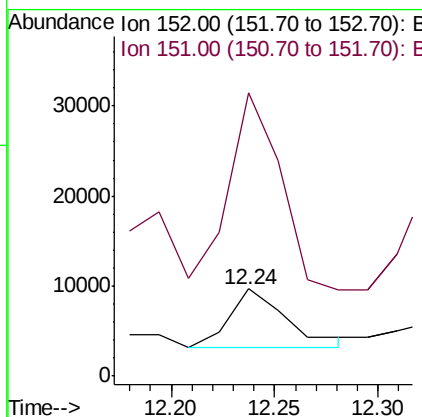
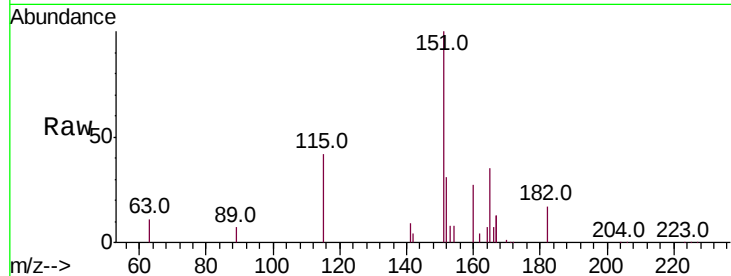
#11
2-Methylnaphthalene-d10
Concen: 0.575 ng
RT: 12.24 min Scan# 765
Delta R.T. 0.01 min
Lab File: BE100708.D
Acq: 7 Nov 2019 19:13

Instrument :
BNA_E
ClientSampleId :
SO-4

Tot Ion:152 Resp: 12580
Ion Ratio Lower Upper
152 100
151 301.9 14.7 22.1#

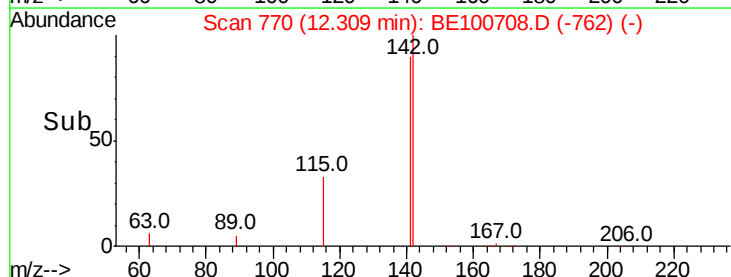
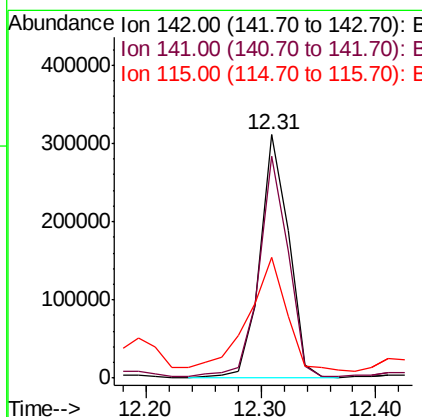
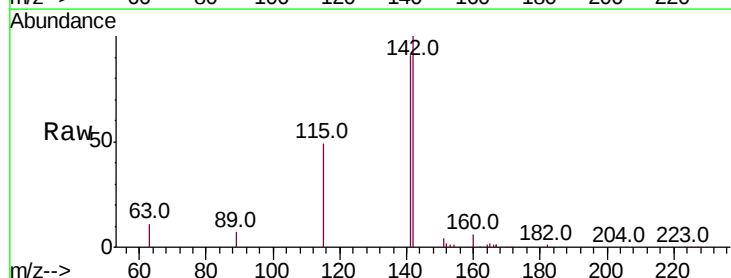
Manual Integrations
APPROVED

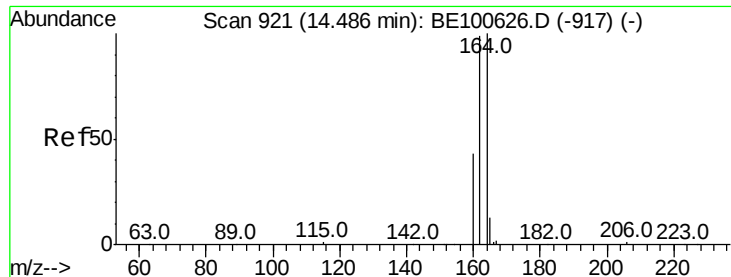
Sohil
11/8/2019 3:32:30 PM



#12
2-Methylnaphthalene
Concen: 21.376 ng
RT: 12.31 min Scan# 770
Delta R.T. 0.01 min
Lab File: BE100708.D
Acq: 7 Nov 2019 19:13

Tgt Ion:142 Resp: 531959
Ion Ratio Lower Upper
142 100
141 91.4 70.1 105.1
115 49.4 28.3 42.5#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.50 min Scan# 922

Delta R.T. 0.03 min

Lab File: BE100708.D

Acq: 7 Nov 2019 19:13

Instrument :

BNA_E

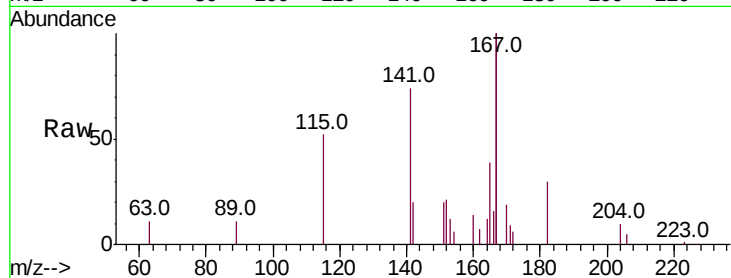
ClientSampled :

SO-4

Tot Ion	Ratio	Lower	Upper
164	100		
162	55.5	82.0	123.0#
160	116.1	37.5	56.3#

Manual Integrations
APPROVED

Sohil
11/8/2019 3:32:30 PM

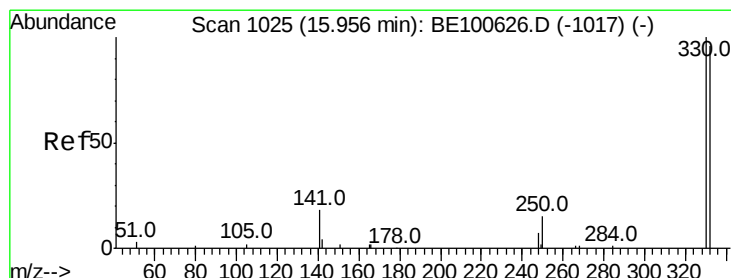
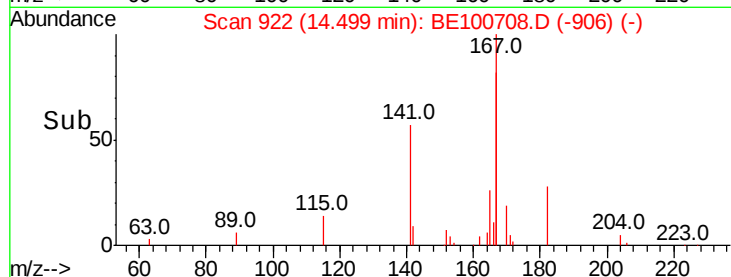
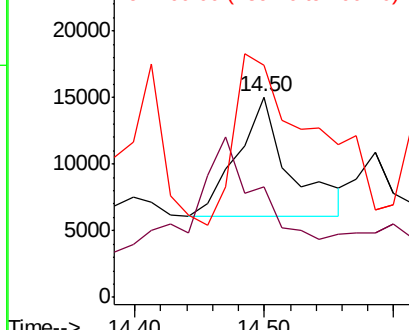


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.151 ng

RT: 15.98 min Scan# 1027

Delta R.T. 0.04 min

Lab File: BE100708.D

Acq: 7 Nov 2019 19:13

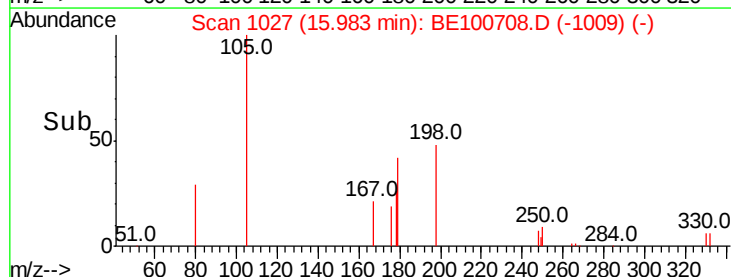
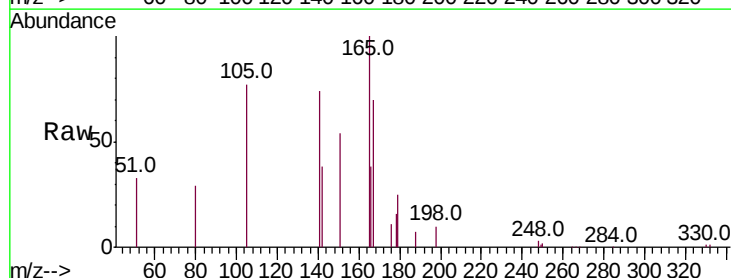
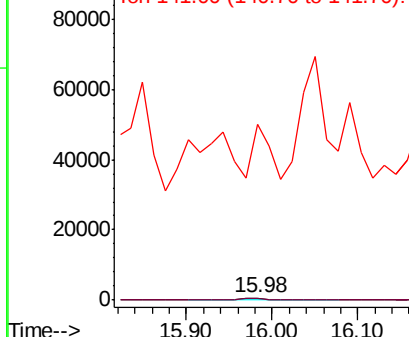
Tgt Ion	Ratio	Lower	Upper
330	100		
332	84.5	77.9	116.9
141	1965.7	33.0	49.6#

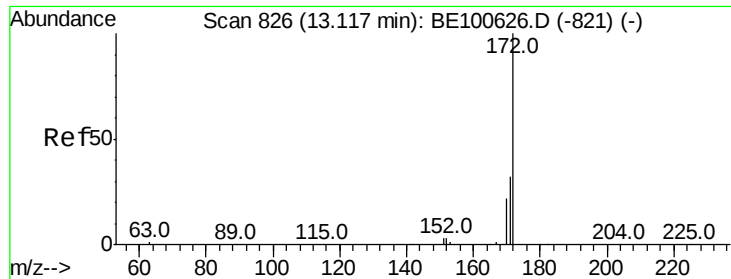
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





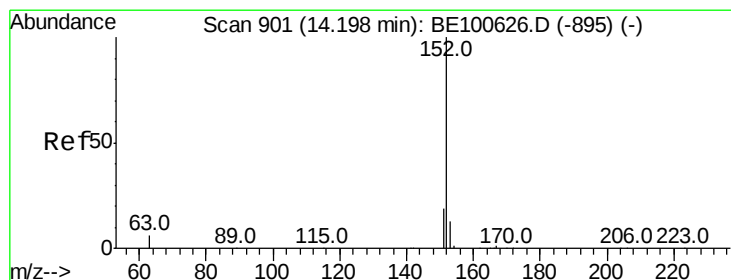
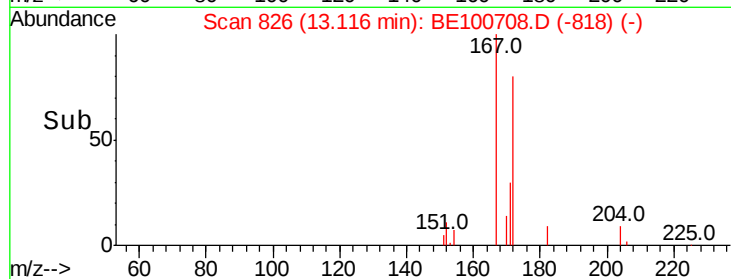
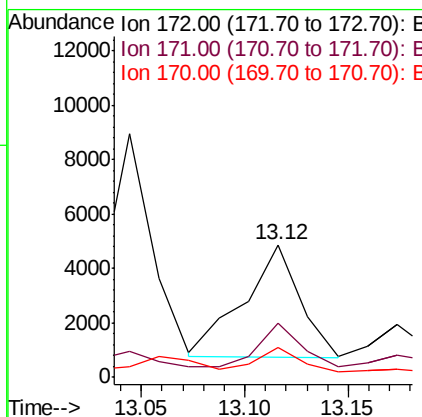
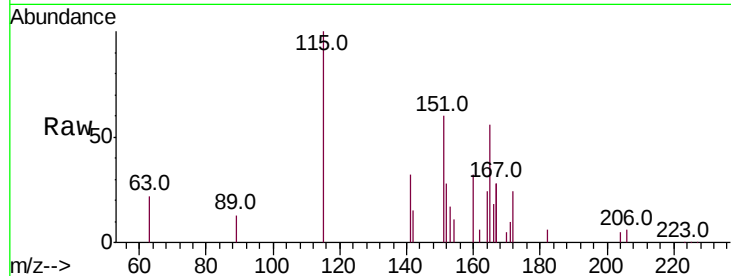
#15
2-Fluorobiphenyl
Concen: 0.085 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: BE100708.D
Acq: 7 Nov 2019 19:13

Instrument :
BNA_E
ClientSampled :
SO-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	41.1	26.5	39.7#
170	22.8	19.0	28.4

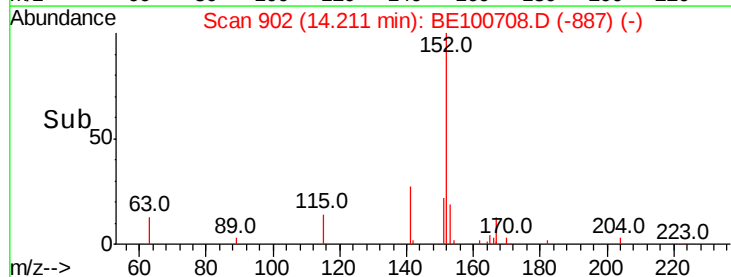
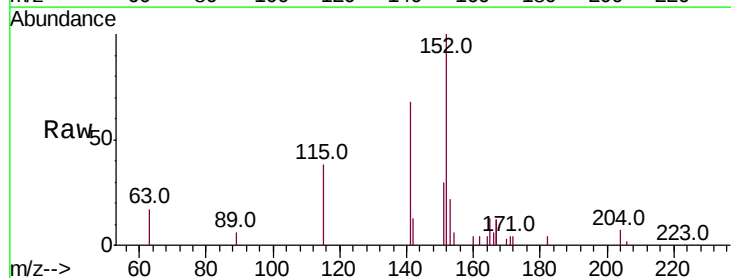
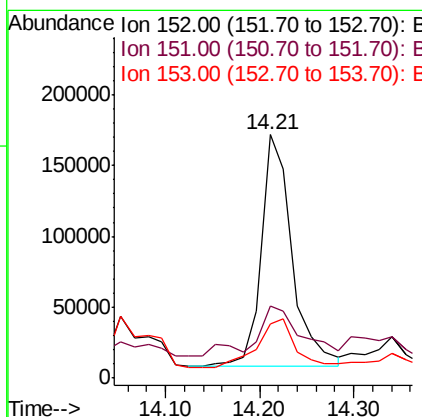
Manual Integrations
APPROVED

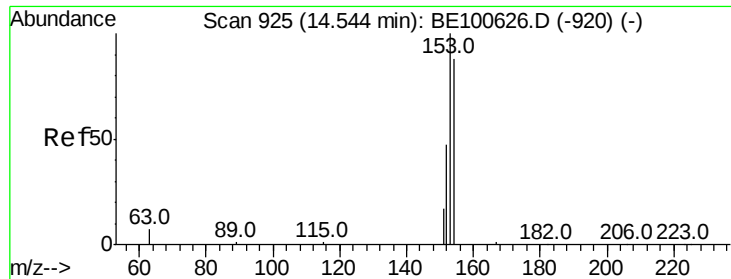
Sohil
11/8/2019 3:32:30 PM



#16
Acenaphthylene
Concen: 3.479 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.01 min
Lab File: BE100708.D
Acq: 7 Nov 2019 19:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	31.5	15.2	22.8#
153	26.7	10.3	15.5#





#17

Acenaphthene

Concen: 2.703 ng

RT: 14.56 min Scan# 926

Delta R.T. 0.03 min

Lab File: BE100708.D

Acq: 7 Nov 2019 19:13

Instrument :

BNA_E

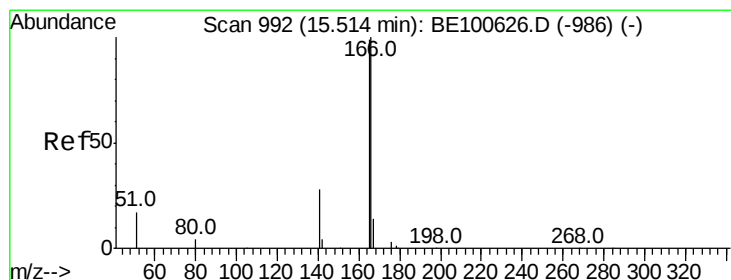
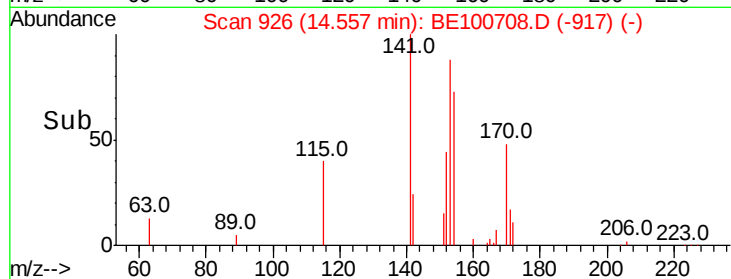
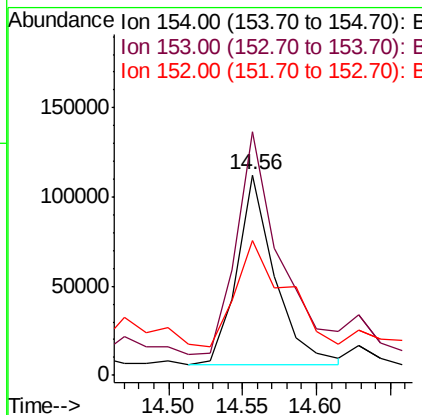
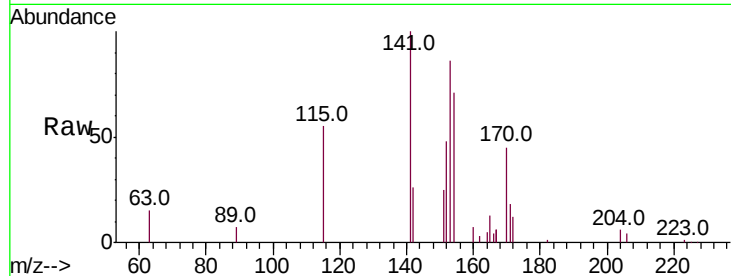
ClientSampled :

SO-4

Tot Ion	Ratio	Lower	Upper
154	100		
153	148.9	89.4	134.2#
152	74.2	44.1	66.1#

Manual Integrations
APPROVED

Sohil
11/8/2019 3:32:30 PM



#18

Fluorene

Concen: 3.619 ng

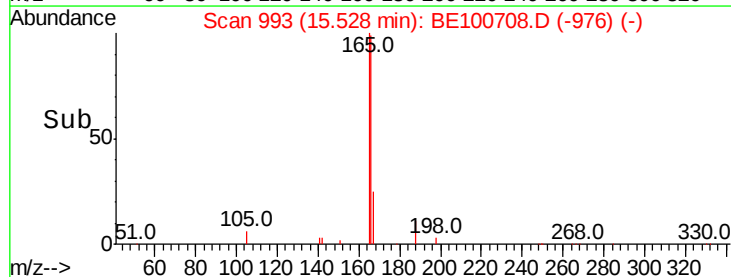
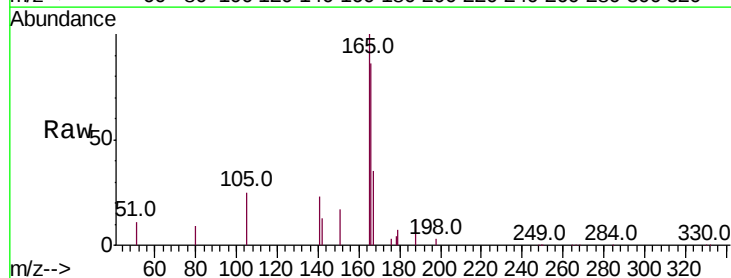
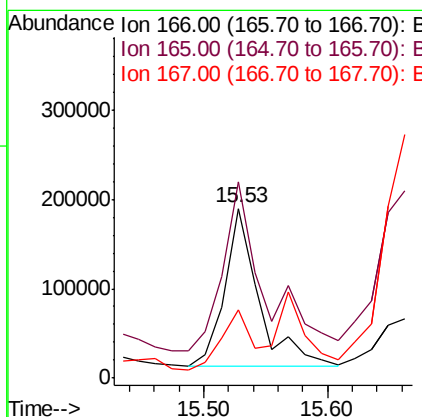
RT: 15.53 min Scan# 993

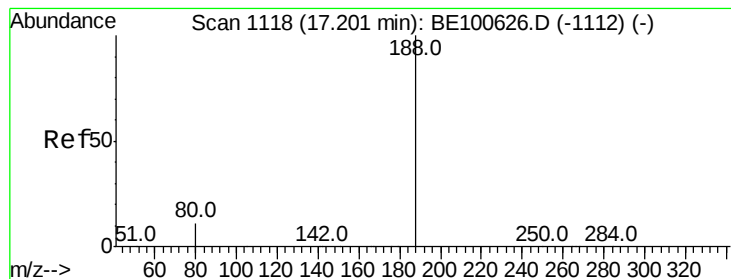
Delta R.T. 0.03 min

Lab File: BE100708.D

Acq: 7 Nov 2019 19:13

Tgt Ion	Ratio	Lower	Upper
166	100		
165	132.3	78.6	117.8#
167	32.8	10.9	16.3#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.03 min

Lab File: BE100708.D

Acq: 7 Nov 2019 19:13

Instrument :

BNA_E

ClientSampled :

SO-4

Tot Ion:188 Resp: 15772

Ion Ratio Lower Upper

188 100

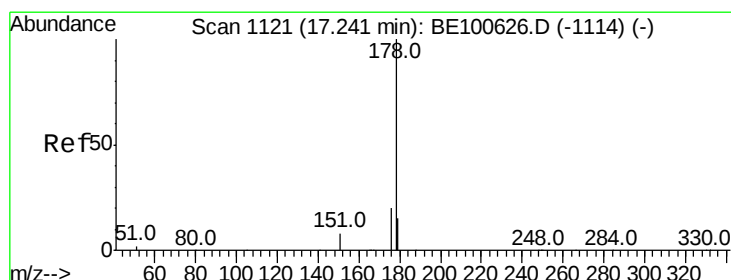
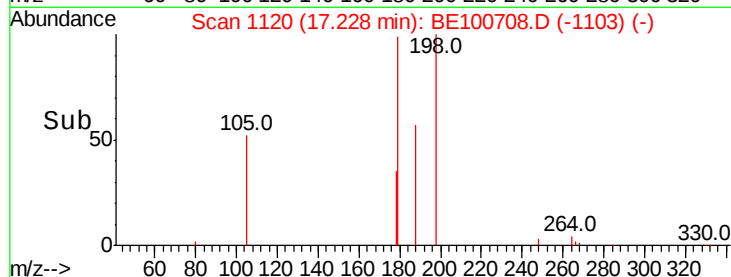
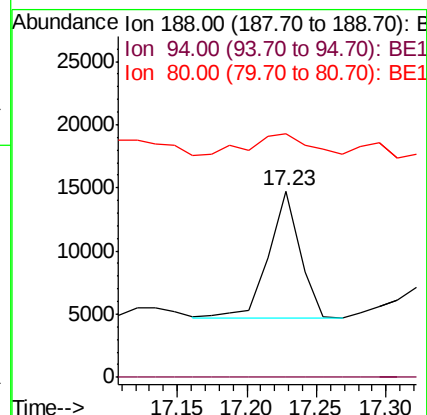
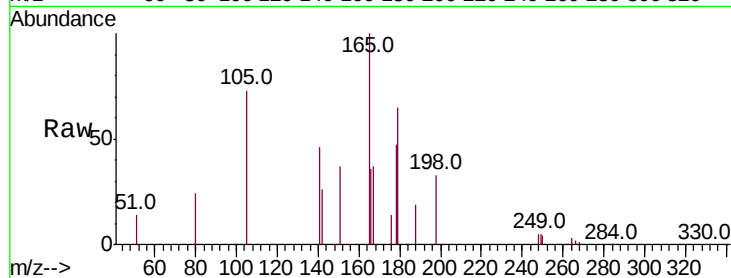
94 0.0 0.0 0.0

80 130.7 5.4 8.0#

Manual Integrations
APPROVED

Sohil

11/8/2019 3:32:30 PM



#23

Phenanthrene

Concen: 58.482 ng

RT: 17.27 min Scan# 1123

Delta R.T. 0.03 min

Lab File: BE100708.D

Acq: 7 Nov 2019 19:13

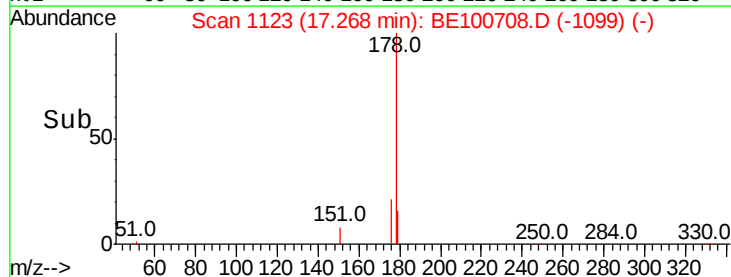
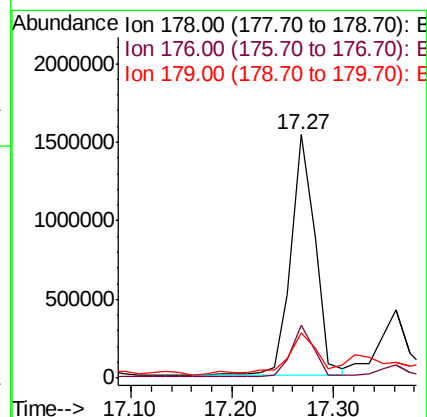
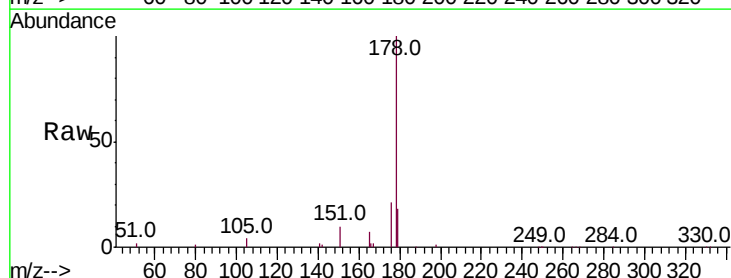
Tgt Ion:178 Resp: 2537056

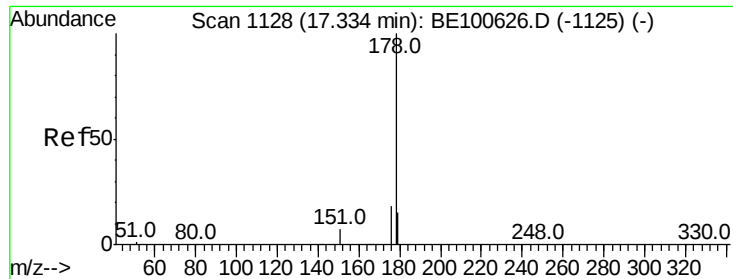
Ion Ratio Lower Upper

178 100

176 19.5 15.2 22.8

179 21.4 12.1 18.1#





#24

Anthracene

Concen: 16.060 ng

RT: 17.36 min Scan# 1130

Delta R.T. 0.04 min

Lab File: BE100708.D

Acq: 7 Nov 2019 19:13

Instrument :

BNA_E

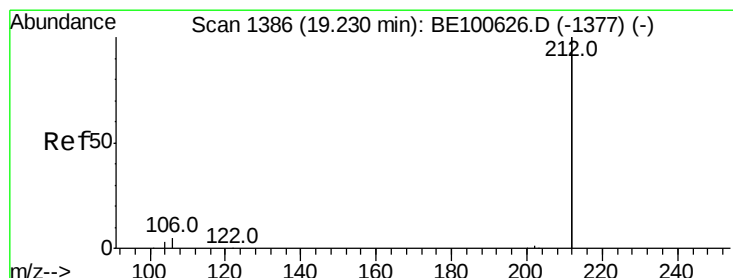
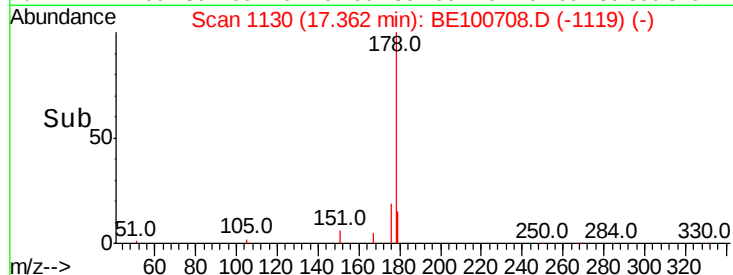
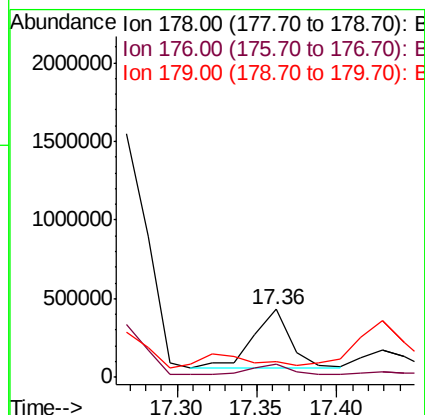
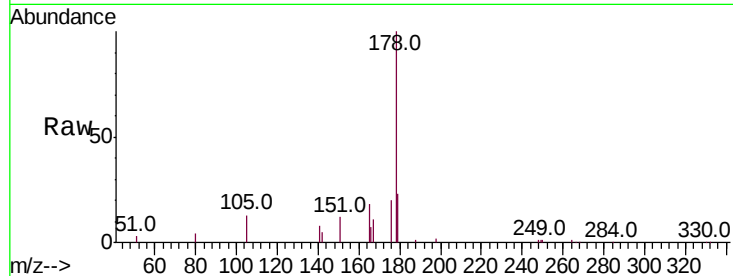
ClientSampled :

SO-4

Tot Ion:	178	Resp:	646465
Ion Ratio	Lower	Upper	
178	100		
176	17.3	15.0	22.4
179	0.0	12.5	18.7#

Manual Integrations
APPROVED

Sohil
11/8/2019 3:32:30 PM



#25

Fluoranthene-d10

Concen: 0.560 ng

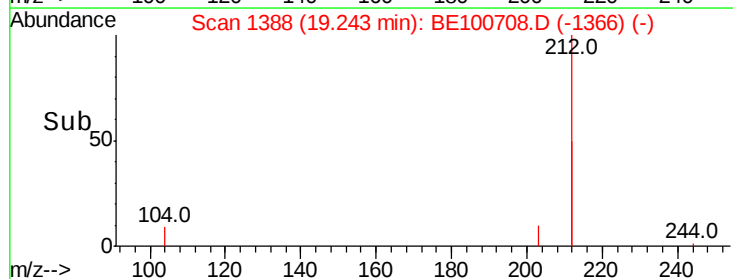
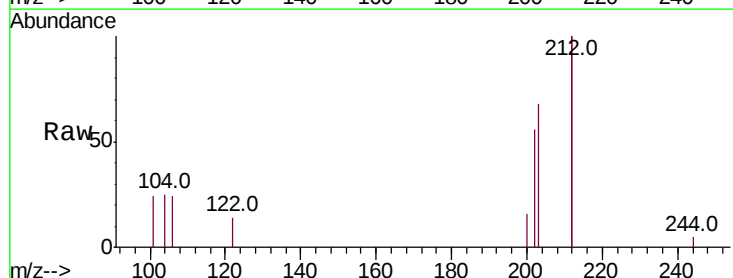
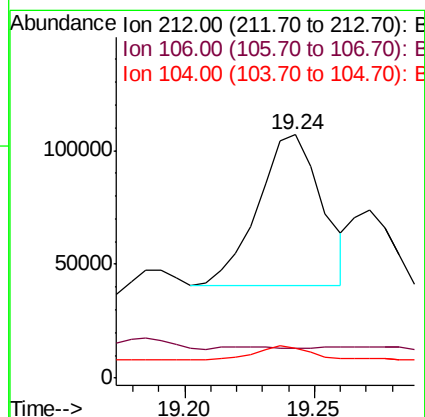
RT: 19.24 min Scan# 1388

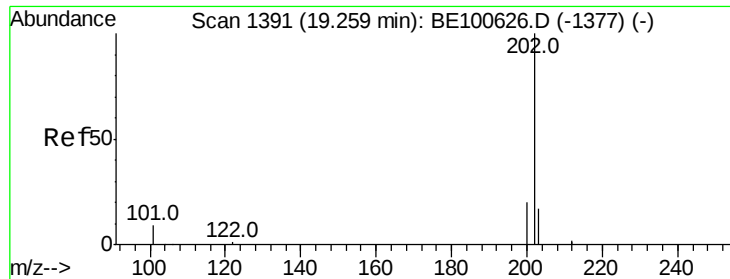
Delta R.T. 0.02 min

Lab File: BE100708.D

Acq: 7 Nov 2019 19:13

Tgt Ion:	212	Resp:	113999
Ion Ratio	Lower	Upper	
212	100		
106	0.0	2.3	3.5#
104	10.0	1.3	1.9#





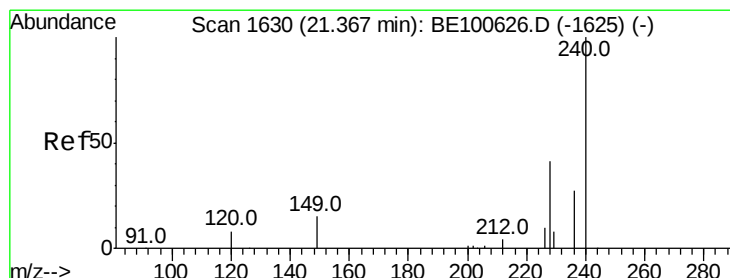
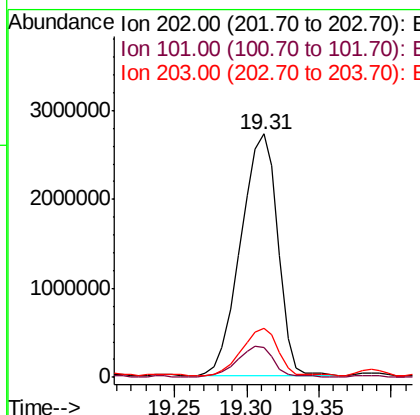
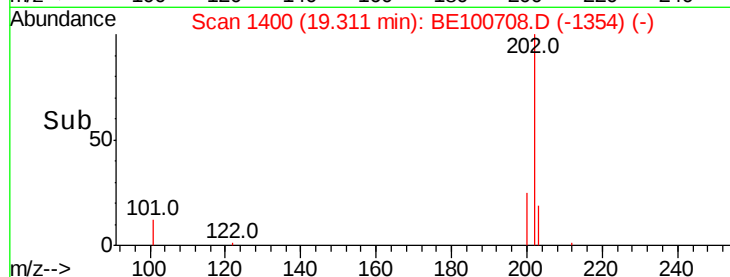
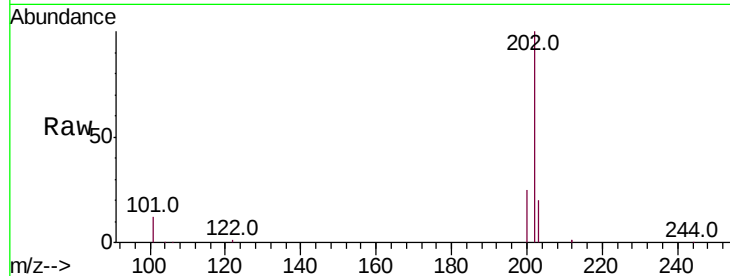
#26
Fluoranthene
Concen: 85.732 ng
RT: 19.31 min Scan# 1400
Delta R.T. 0.06 min
Lab File: BE100708.D
Acq: 7 Nov 2019 19:13

Instrument :
BNA_E
ClientSampleId :
SO-4

Tot Ion:202 Resp: 4854194
Ion Ratio Lower Upper
202 100
101 12.1 8.5 12.7
203 19.0 13.8 20.8

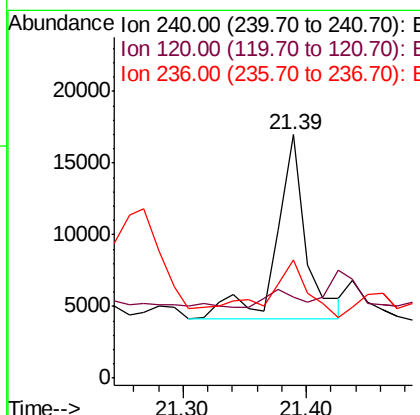
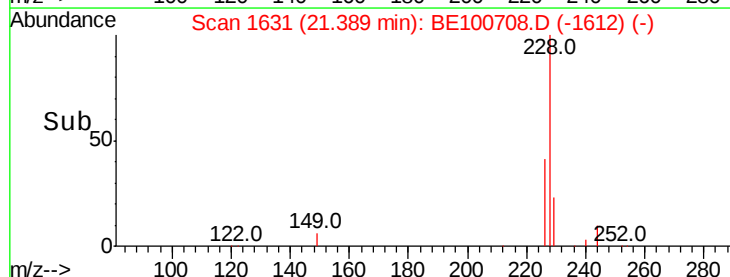
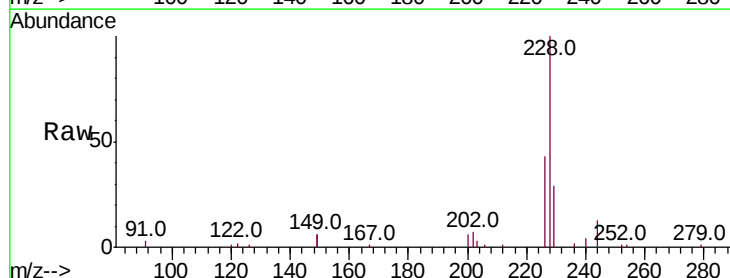
Manual Integrations
APPROVED

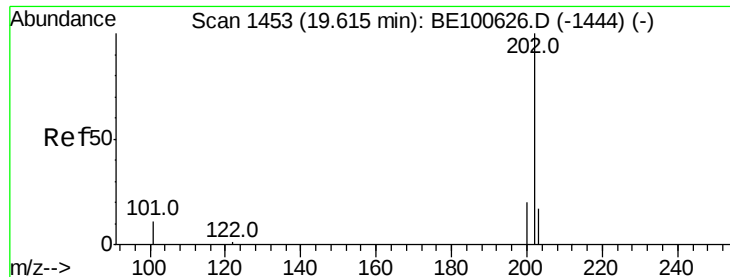
Sohil
11/8/2019 3:32:30 PM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1631
Delta R.T. 0.04 min
Lab File: BE100708.D
Acq: 7 Nov 2019 19:13

Tgt Ion:240 Resp: 21477
Ion Ratio Lower Upper
240 100
120 33.1 7.6 11.4#
236 48.7 22.1 33.1#





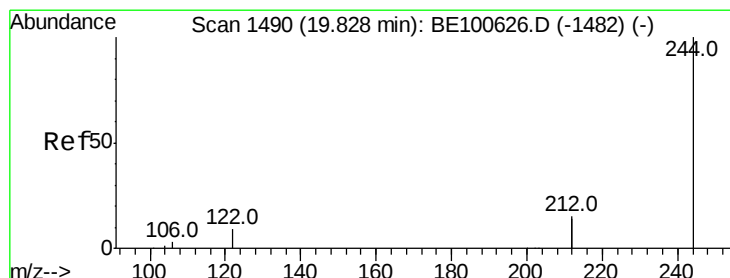
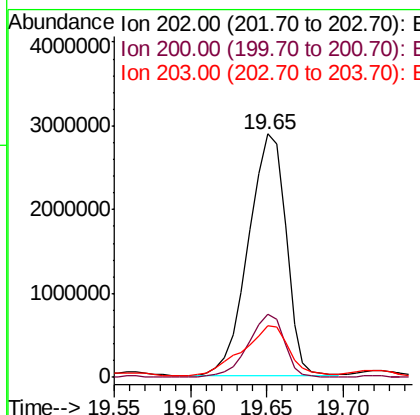
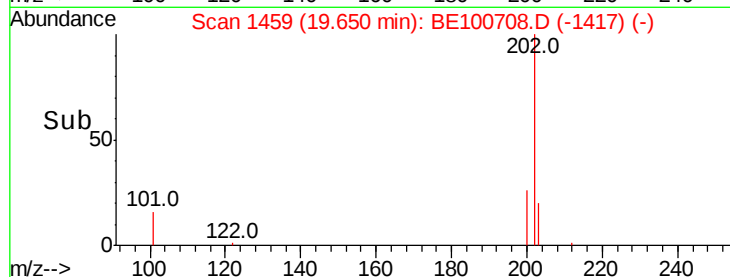
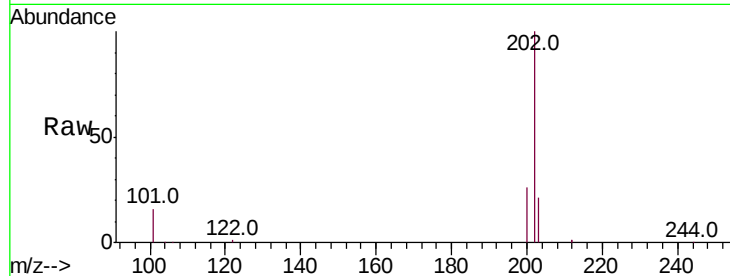
#28
Pvrene
Concen: 82.045 ng
RT: 19.65 min Scan# 1459
Delta R.T. 0.04 min
Lab File: BE100708.D
Acq: 7 Nov 2019 19:13

Instrument :
BNA_E
ClientSampleId :
SO-4

Tot Ion:202 Resp: 4922998
Ion Ratio Lower Upper
202 100
200 24.1 16.7 25.1
203 25.2 14.0 21.0#

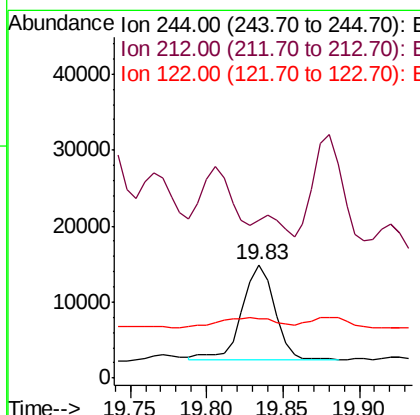
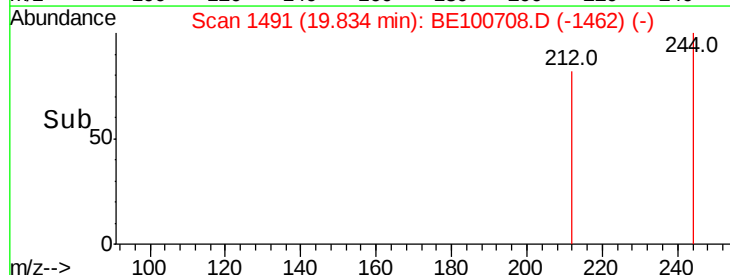
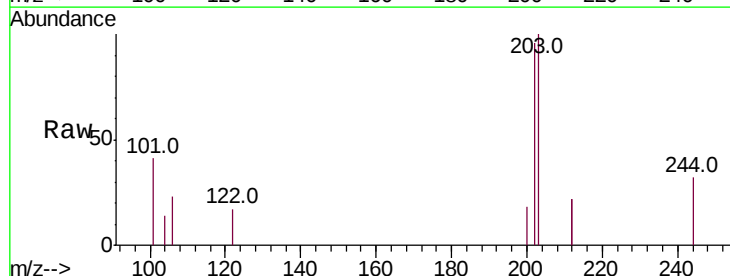
Manual Integrations
APPROVED

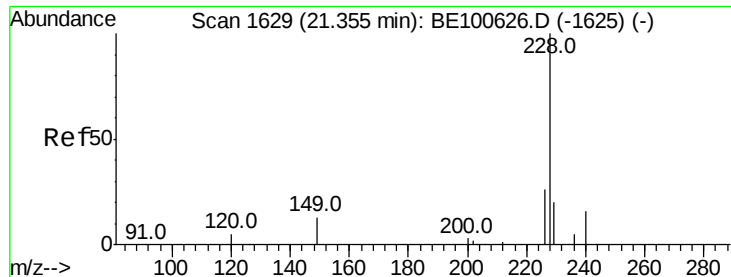
Sohil
11/8/2019 3:32:30 PM



#29
Terphenyl-d14
Concen: 0.395 ng
RT: 19.83 min Scan# 1491
Delta R.T. 0.02 min
Lab File: BE100708.D
Acq: 7 Nov 2019 19:13

Tgt Ion:244 Resp: 18525
Ion Ratio Lower Upper
244 100
212 139.2 23.7 35.5#
122 52.8 7.9 11.9#





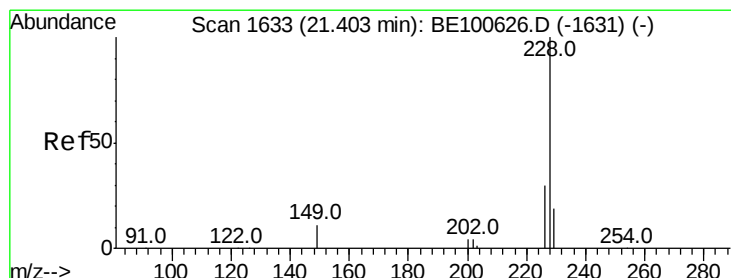
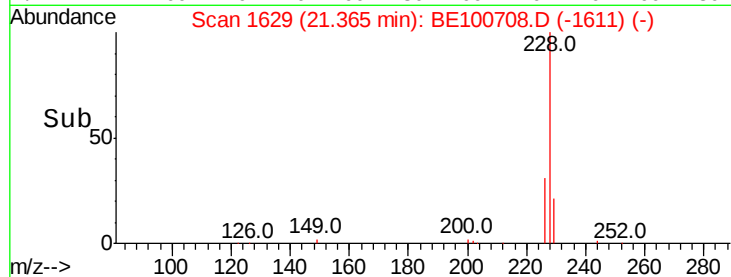
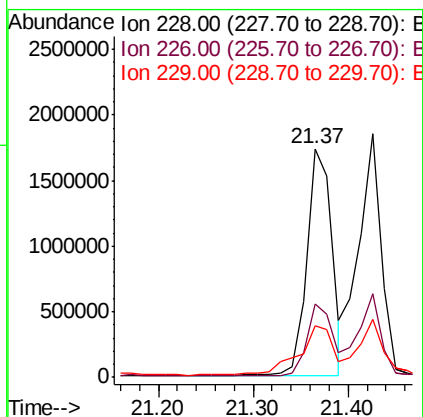
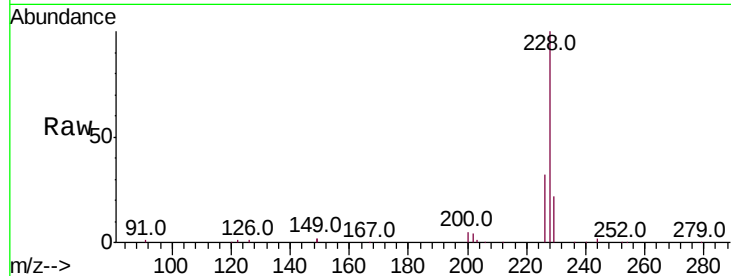
#30
Benzo(a)anthracene
Concen: 45.567 ng
RT: 21.37 min Scan# 1629
Delta R.T. 0.02 min
Lab File: BE100708.D
Acq: 7 Nov 2019 19:13

Instrument :
BNA_E
ClientSampled :
SO-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.0	21.4	32.0
229	22.4	16.0	24.0

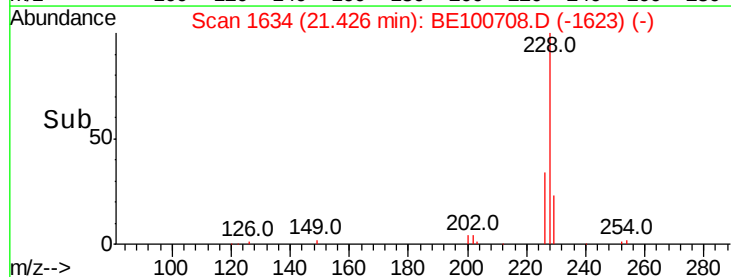
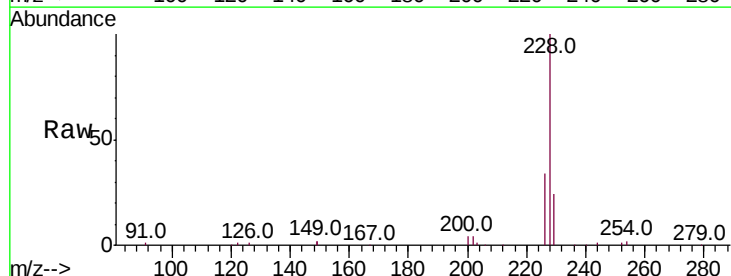
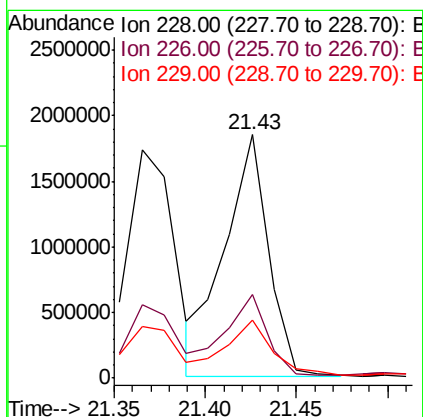
Manual Integrations
APPROVED

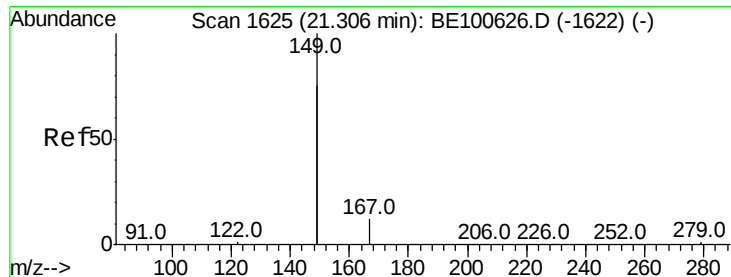
Sohil
11/8/2019 3:32:30 PM



#31
Chrysene
Concen: 44.120 ng m
RT: 21.43 min Scan# 1634
Delta R.T. 0.04 min
Lab File: BE100708.D
Acq: 7 Nov 2019 19:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.4	24.6	37.0
229	24.0	15.8	23.8





#32

Bis(2-ethylhexyl)phthalate

Concen: 3.095 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE100708.D

Acq: 7 Nov 2019 19:13

Instrument :

BNA_E

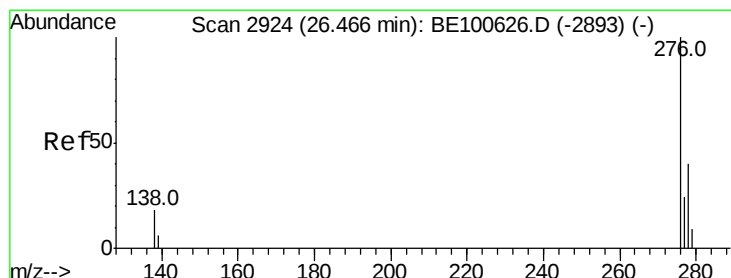
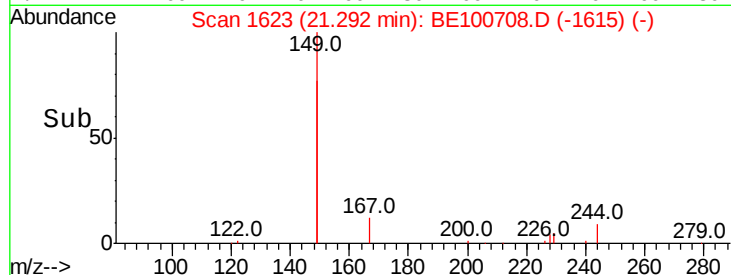
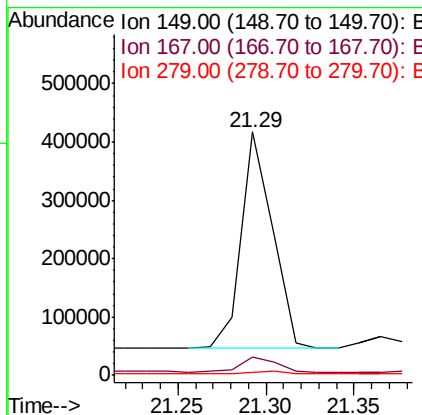
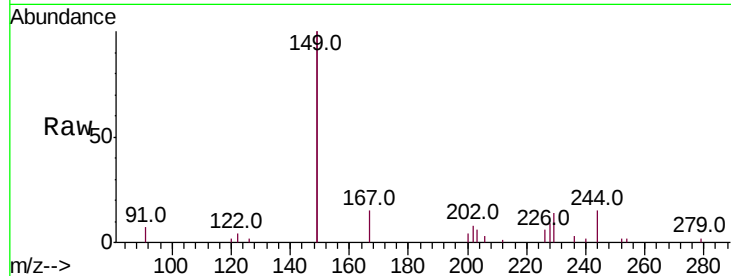
ClientSampled :

SO-4

Tot Ion:	149	Resp:	453597
Ion Ratio	Lower	Upper	
149	100		
167	7.7	5.5	8.3
279	1.7	0.9	1.3#

Manual Integrations
APPROVED

Sohil
11/8/2019 3:32:30 PM



#33

Indeno(1,2,3-cd)pyrene

Concen: 39.679 ng

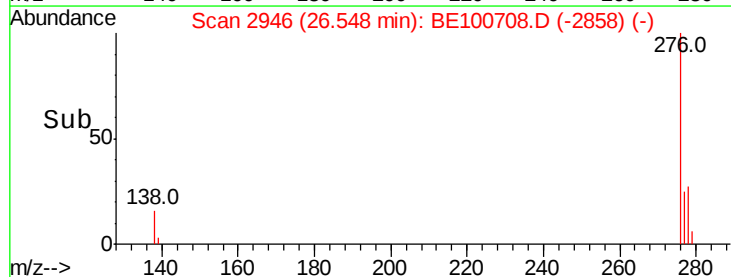
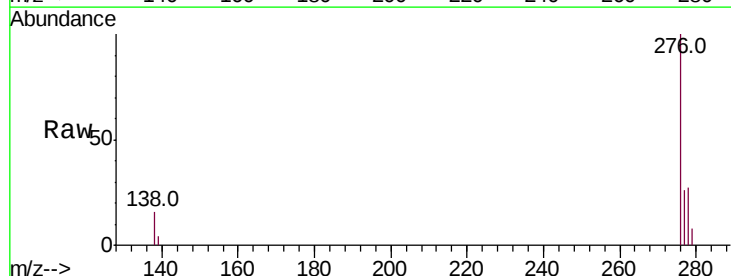
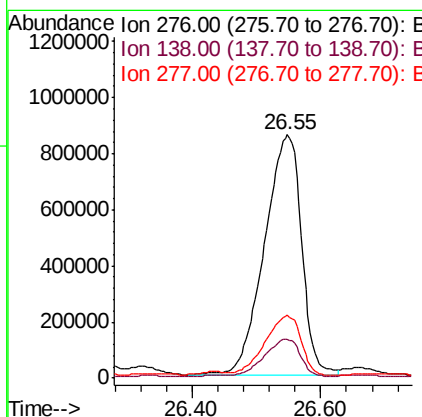
RT: 26.55 min Scan# 2946

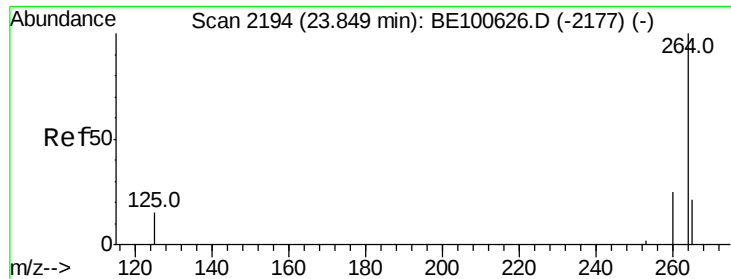
Delta R.T. 0.11 min

Lab File: BE100708.D

Acq: 7 Nov 2019 19:13

Tgt Ion:	276	Resp:	3414394
Ion Ratio	Lower	Upper	
276	100		
138	14.7	15.3	22.9#
277	24.2	19.4	29.2





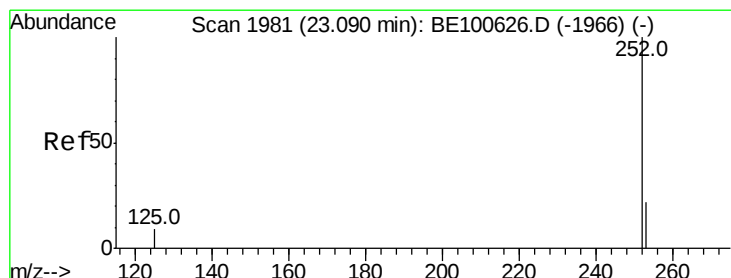
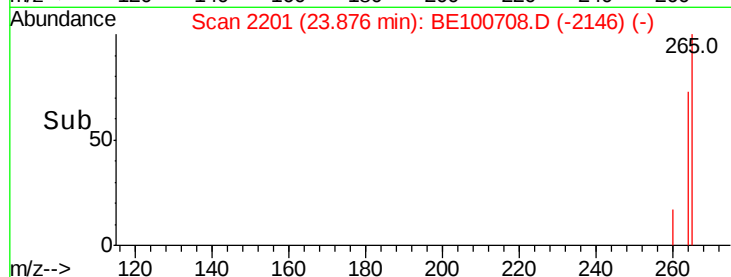
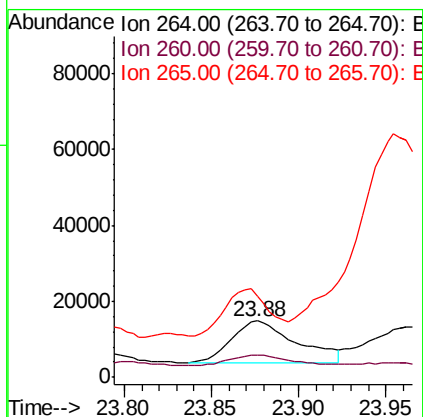
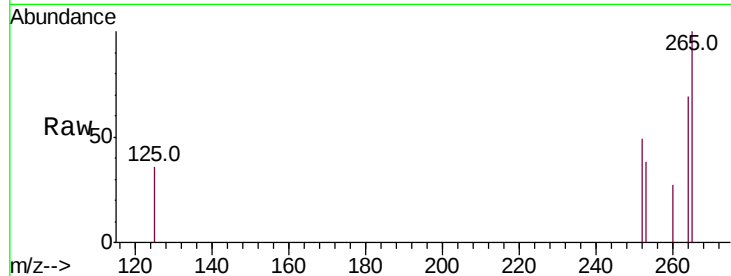
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.88 min Scan# 2201
Delta R.T. 0.05 min
Lab File: BE100708.D
Acq: 7 Nov 2019 19:13

Instrument :
BNA_E
ClientSampleId :
SO-4

Tot Ion:264 Resp: 28380
Ion Ratio Lower Upper
264 100
260 39.5 19.4 29.2#
265 144.5 21.7 32.5#

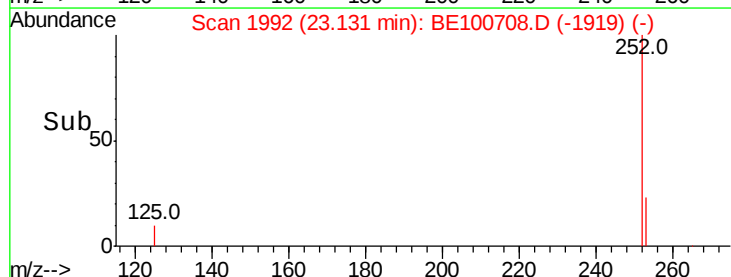
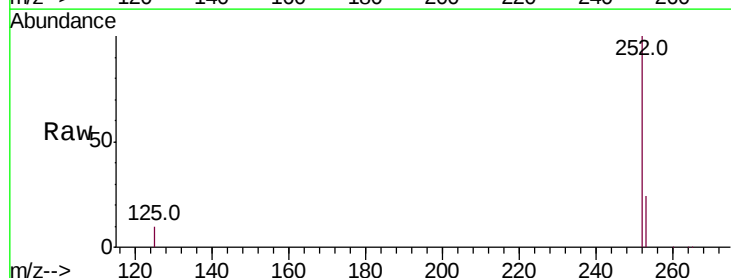
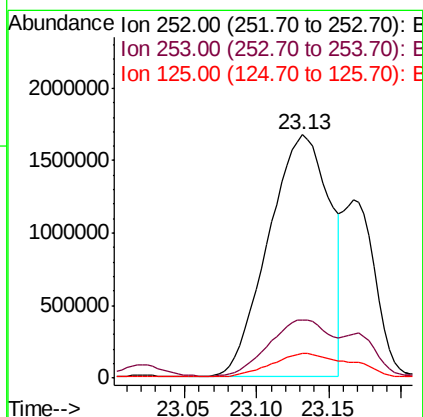
Manual Integrations
APPROVED

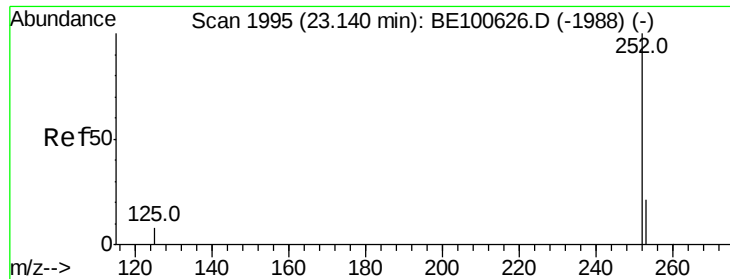
Sohil
11/8/2019 3:32:30 PM



#35
Benzo(b)fluoranthene
Concen: 59.626 ng
RT: 23.13 min Scan# 1992
Delta R.T. 0.06 min
Lab File: BE100708.D
Acq: 7 Nov 2019 19:13

Tgt Ion:252 Resp: 4934225
Ion Ratio Lower Upper
252 100
253 24.0 18.4 27.6
125 10.0 7.6 11.4





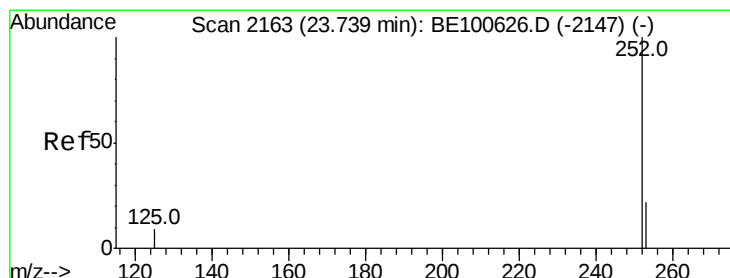
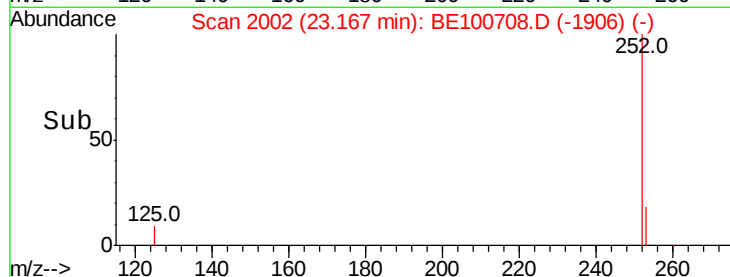
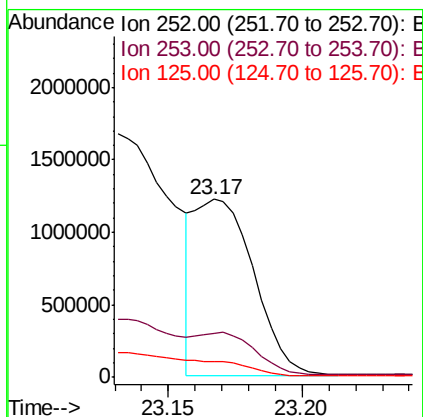
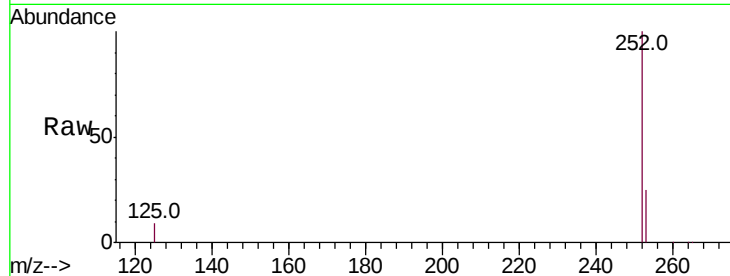
#36
Benzo(k)fluoranthene
Concen: 22.266 ng m
RT: 23.17 min Scan# 2002
Delta R.T. 0.04 min
Lab File: BE100708.D
Acq: 7 Nov 2019 19:13

Instrument :
BNA_E
ClientSampleId :
SO-4

Tot Ion:252 Resp: 1895044
Ion Ratio Lower Upper
252 100
253 24.9 18.4 27.6
125 9.2 11.6 17.4#

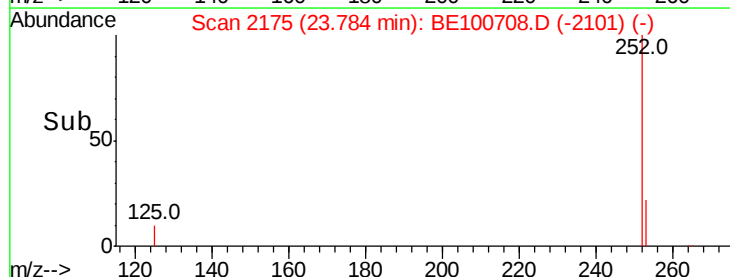
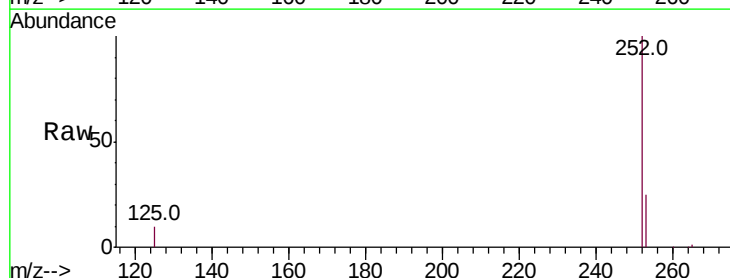
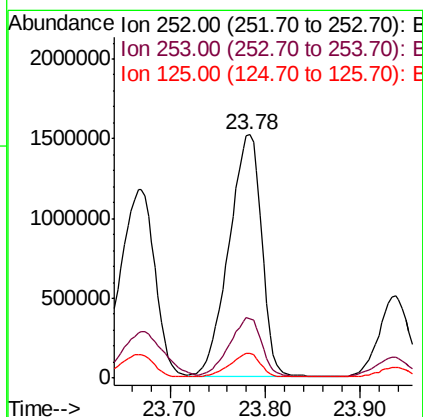
Manual Integrations
APPROVED

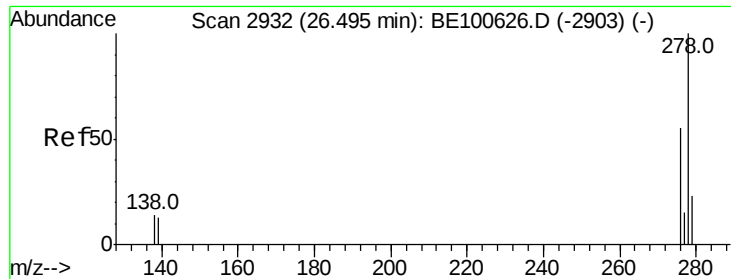
Sohil
11/8/2019 3:32:30 PM



#37
Benzo(a)pyrene
Concen: 46.793 ng
RT: 23.78 min Scan# 2175
Delta R.T. 0.06 min
Lab File: BE100708.D
Acq: 7 Nov 2019 19:13

Tgt Ion:252 Resp: 3604428
Ion Ratio Lower Upper
252 100
253 24.5 18.4 27.6
125 10.0 8.2 12.4





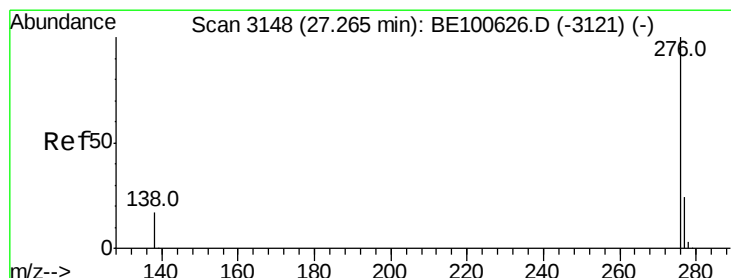
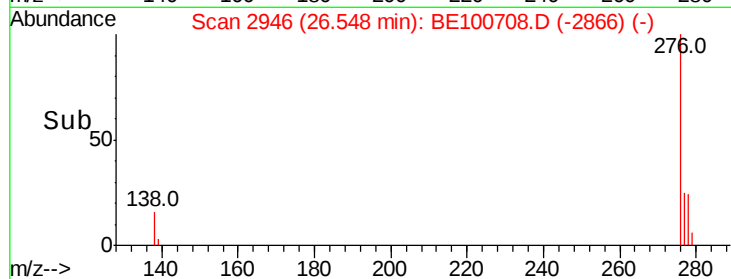
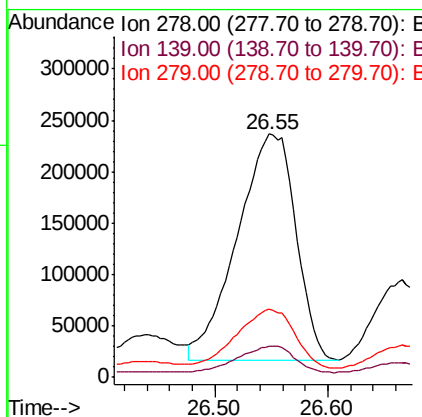
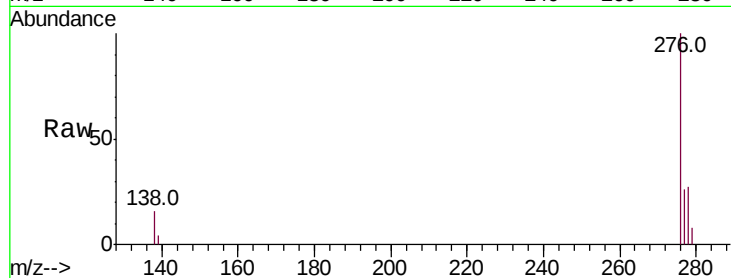
#38
Dibenzo(a,h)anthracene
Concen: 9.911 ng
RT: 26.55 min Scan# 2946
Delta R.T. 0.09 min
Lab File: BE100708.D
Acq: 7 Nov 2019 19:13

Instrument :
BNA_E
ClientSampleId :
SO-4

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.9	10.9	16.3
279	27.8	19.4	29.2

Manual Integrations
APPROVED

Sohil
11/8/2019 3:32:30 PM



#39
Benzo(g,h,i)perylene
Concen: 42.054 ng
RT: 27.37 min Scan# 3177
Delta R.T. 0.14 min
Lab File: BE100708.D
Acq: 7 Nov 2019 19:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.4	29.0
138	15.9	13.6	20.4

