

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110719\
 Data File : BE100706.D
 Acq On : 7 Nov 2019 17:59
 Operator : JU
 Sample : K5725-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SO-1

Manual Integrations
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Sohil
 11/8/2019 3:32:28 PM

Quant Time: Nov 08 07:53:15 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	2407	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	10988	0.40	ng	0.01
13) Acenaphthene-d10	14.47	164	8808	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	19130	0.40	ng	0.00
27) Chrysene-d12	21.38	240	28976	0.40	ng	0.02
34) Perylene-d12	23.87	264	37278	0.40	ng	0.04

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	2533	0.34	ng	0.00
5) Phenol-d6	7.01	99	4079	0.39	ng	0.00
8) Nitrobenzene-d5	8.99	82	2976	0.44	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	5952	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	827	0.36	ng	0.01
15) 2-Fluorobiphenyl	13.10	172	8029	0.25	ng	0.00
25) Fluoranthene-d10	19.23	212	80224	0.32	ng	0.01
29) Terphenyl-d14	19.82	244	28796	0.45	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.68	128	916338	7.931	ng	100
12) 2-Methylnaphthalene	12.30	142	77499	3.935	ng	# 90
16) Acenaphthylene	14.20	152	233032	6.148	ng	98
17) Acenaphthene	14.54	154	172932	7.060	ng	98
18) Fluorene	15.50	166	181460	5.578	ng	# 94
23) Phenanthrene	17.24	178	3338336	63.444	ng	97
24) Anthracene	17.34	178	1222327	25.035	ng	97
26) Fluoranthene	19.27	202	6583249	95.860	ng	# 92
28) Pyrene	19.63	202	6879911	84.984	ng	# 84
30) Benzo(a)anthracene	21.35	228	5150086	54.486	ng	# 89
31) Chrysene	21.42	228	5187916m	54.921	ng	
32) Bis(2-ethylhexyl)phthalate	21.29	149	114179	0.578	ng	# 92
33) Indeno(1,2,3-cd)pyrene	26.54	276	4419216	38.065	ng	95
35) Benzo(b)fluoranthene	23.12	252	7327288	67.409	ng	96
36) Benzo(k)fluoranthene	23.16	252	2771835m	24.794	ng	
37) Benzo(a)pyrene	23.78	252	5329252	52.670	ng	96
38) Dibenzo(a,h)anthracene	26.54	278	1105473	10.570	ng	95
39) Benzo(a,h,i)perylene	27.35	276	4179406	39.735	ng	98

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

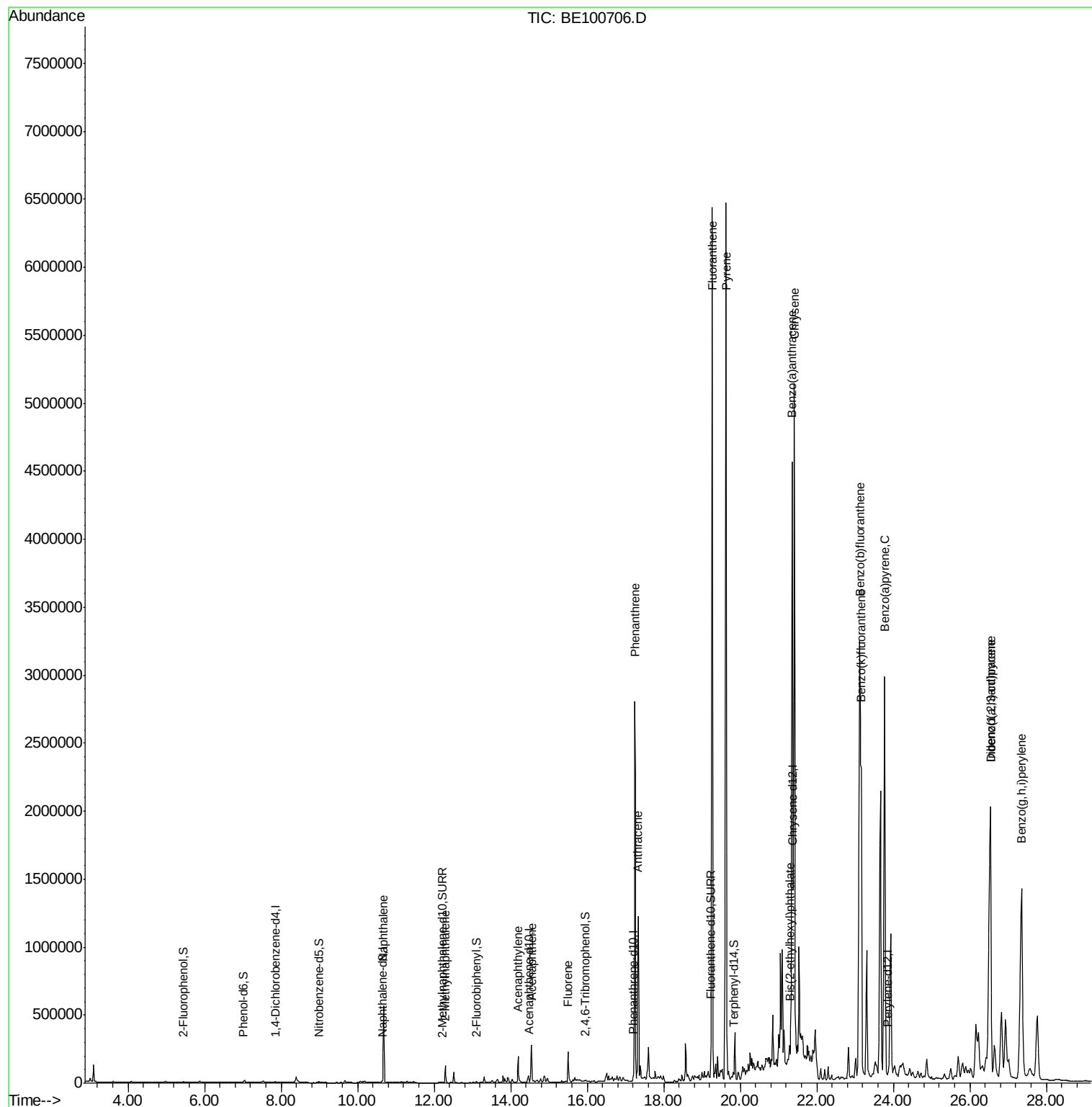
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110719\
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Misc :
ALS Vial : 8 Sample Multiplier: 1

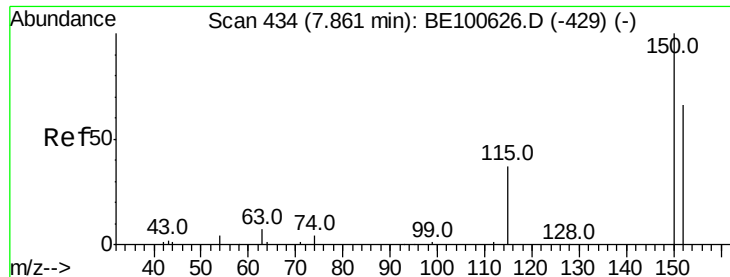
Instrument :
BNA_E
ClientSampled :
SO-1

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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: BE100706.D

Acq: 7 Nov 2019 17:59

Instrument :

BNA_E

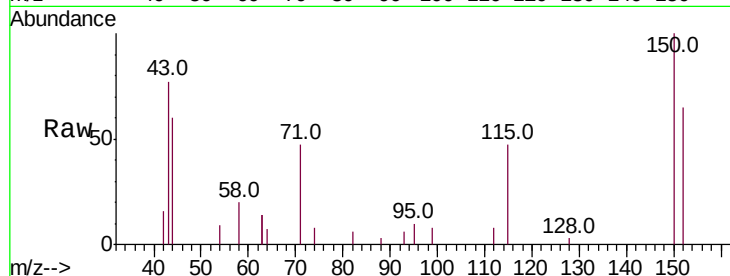
ClientSampled :

SO-1

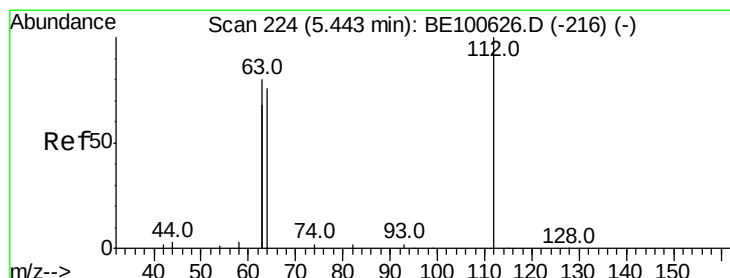
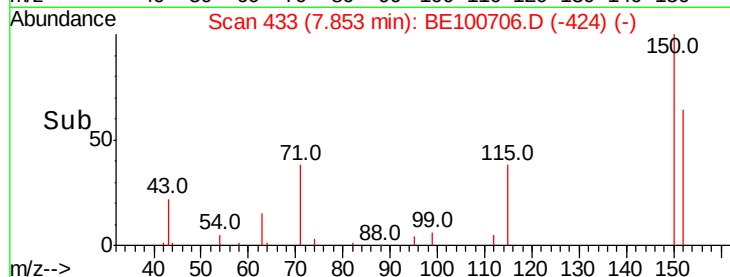
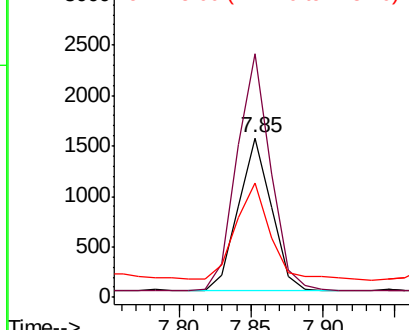
Tot Ion:	152	Resp:	2407
Ion	Ratio	Lower	Upper
152	100		
150	152.7	123.3	184.9
115	71.8	51.9	77.9

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.341 ng

RT: 5.45 min Scan# 224

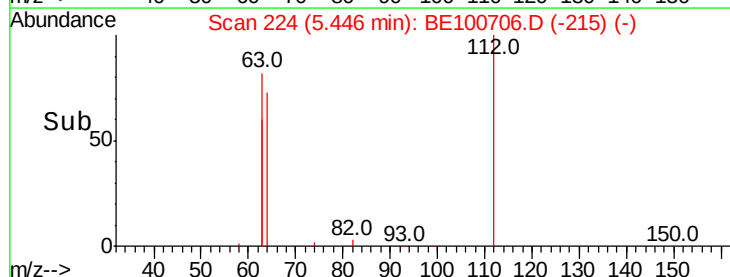
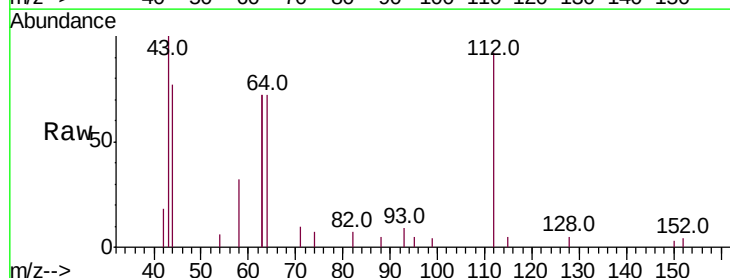
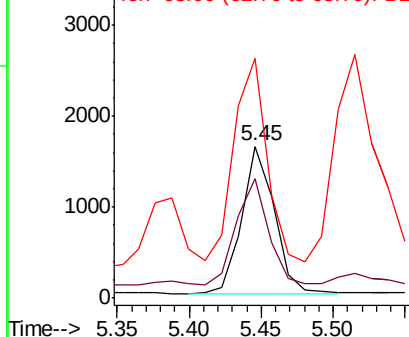
Delta R.T. 0.00 min

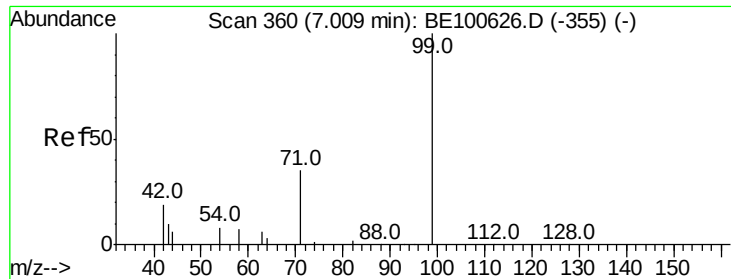
Lab File: BE100706.D

Acq: 7 Nov 2019 17:59

Tgt Ion:	112	Resp:	2533
Ion	Ratio	Lower	Upper
112	100		
64	69.8	55.4	83.2
63	138.8	114.2	171.4

Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.389 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100706.D

Acq: 7 Nov 2019 17:59

Instrument :

BNA_E

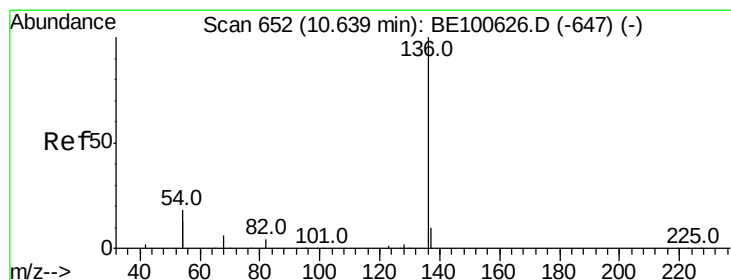
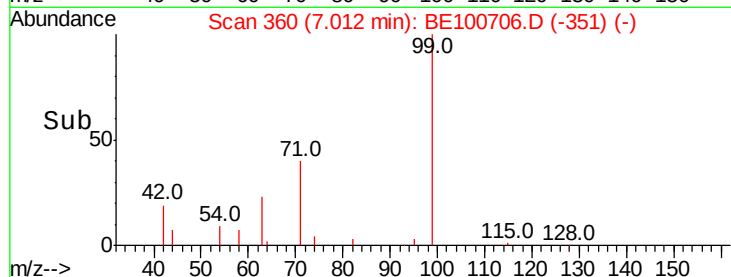
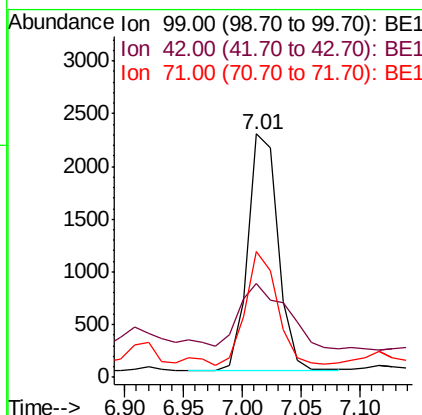
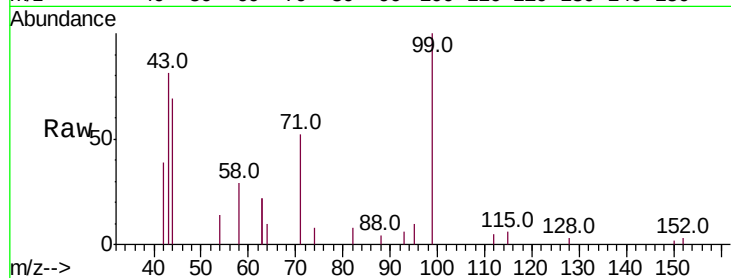
ClientSampled :

SO-1

Tot Ion:	99	Resp:	4079
Ion	Ratio	Lower	Upper
99	100		
42	43.1	17.7	26.5#
71	49.6	27.4	41.0#

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#7

Naphthalene-d8

Concen: 0.400 ng

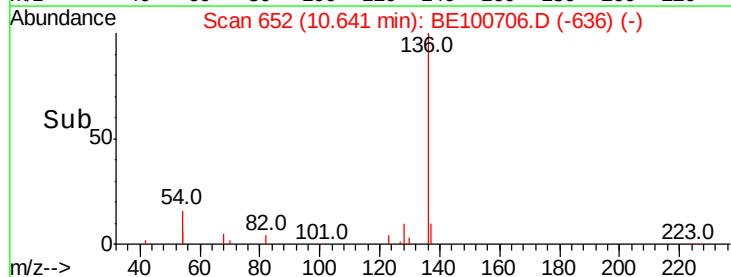
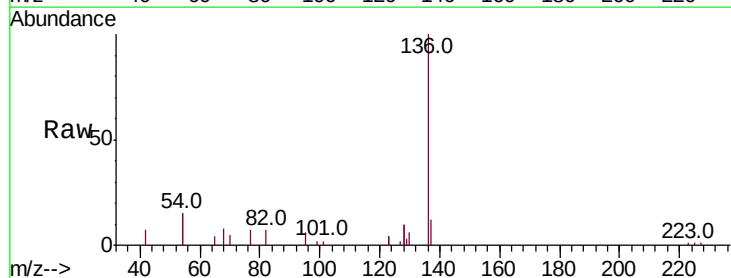
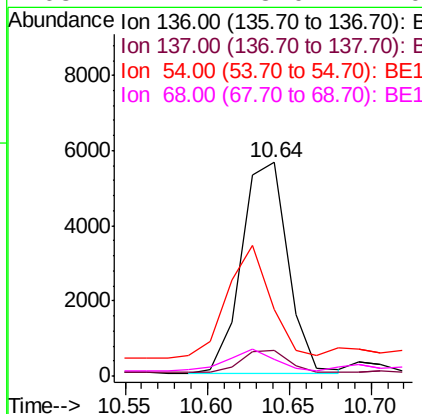
RT: 10.64 min Scan# 652

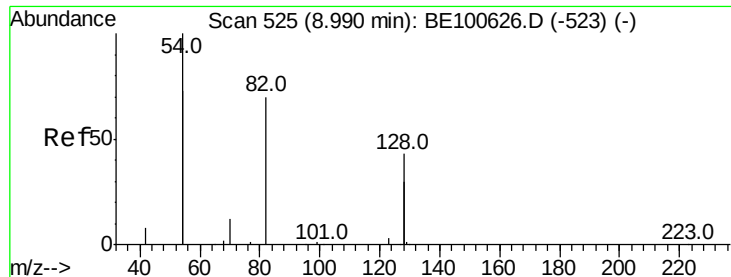
Delta R.T. 0.01 min

Lab File: BE100706.D

Acq: 7 Nov 2019 17:59

Tgt Ion:	136	Resp:	10988
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	31.0	39.4	59.2#
68	7.7	8.0	12.0#





#8

Nitrobenzene-d5

Concen: 0.437 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE100706.D

Acq: 7 Nov 2019 17:59

Instrument :

BNA_E

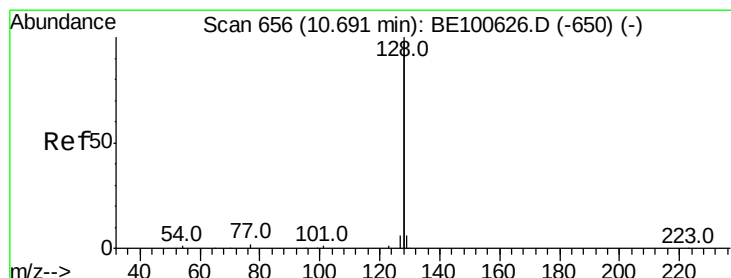
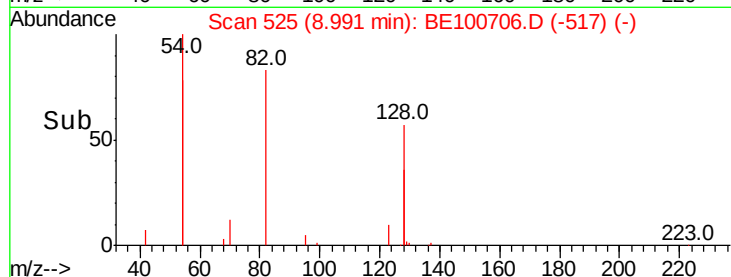
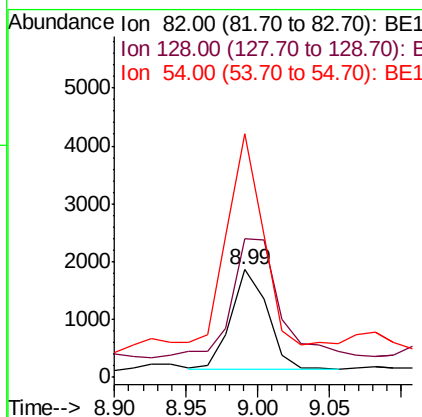
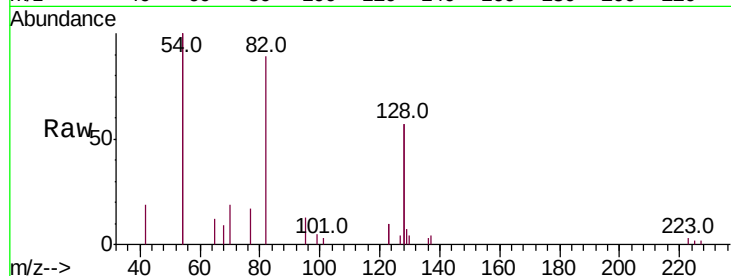
ClientSampled :

SO-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	128.3	107.8	161.8
54	225.8	166.1	249.1

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#9

Naphthalene

Concen: 7.931 ng

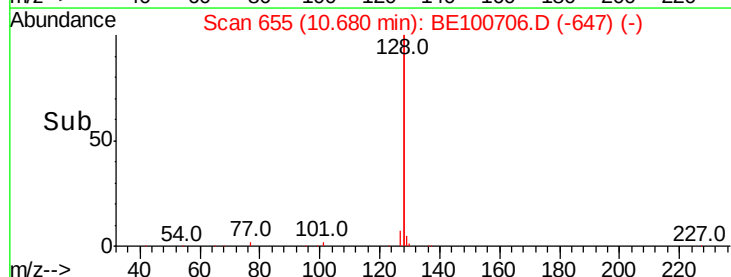
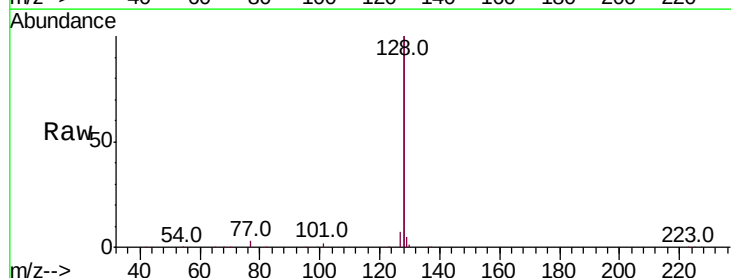
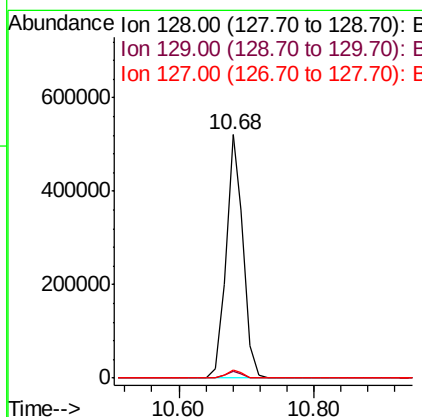
RT: 10.68 min Scan# 655

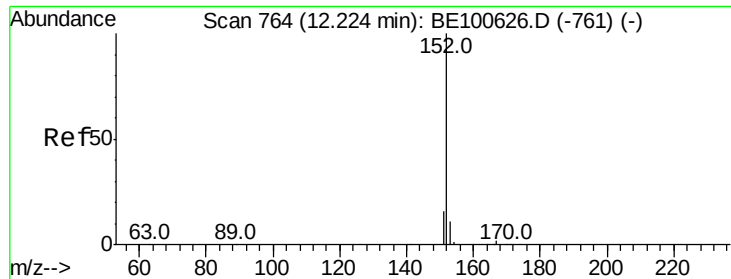
Delta R.T. -0.00 min

Lab File: BE100706.D

Acq: 7 Nov 2019 17:59

Tgt Ion	Ratio	Lower	Upper
128	100		
129	2.7	2.3	3.5
127	3.3	2.7	4.1





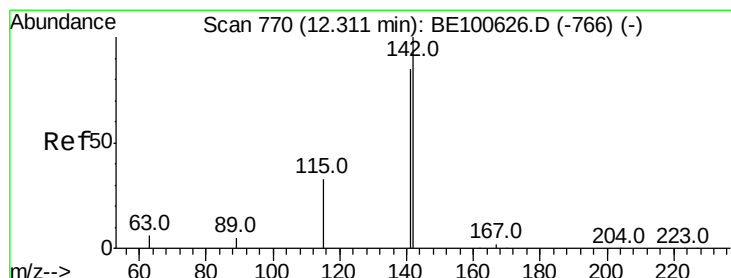
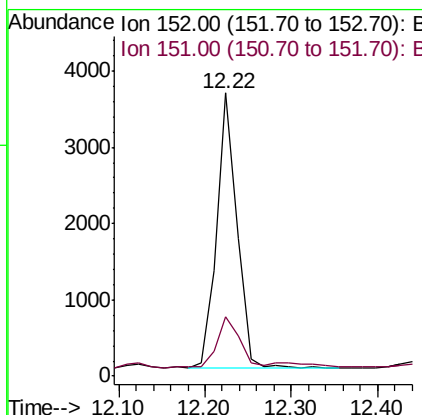
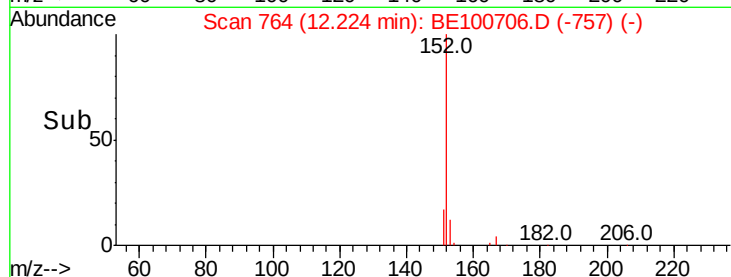
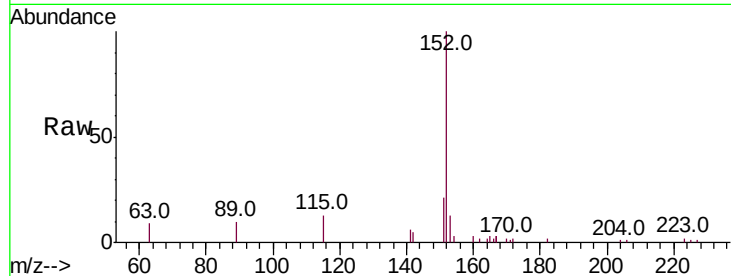
#11
2-Methylnaphthalene-d10
Concen: 0.344 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE100706.D
Acq: 7 Nov 2019 17:59

Instrument :
BNA_E
ClientSampleId :
SO-1

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.8	14.7	22.1

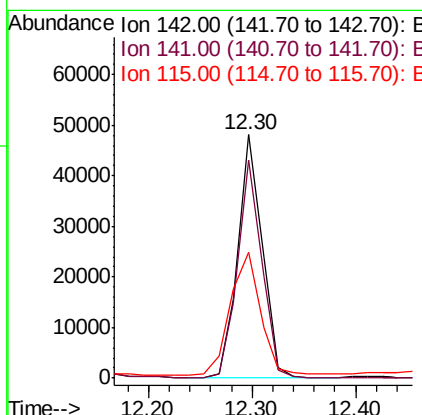
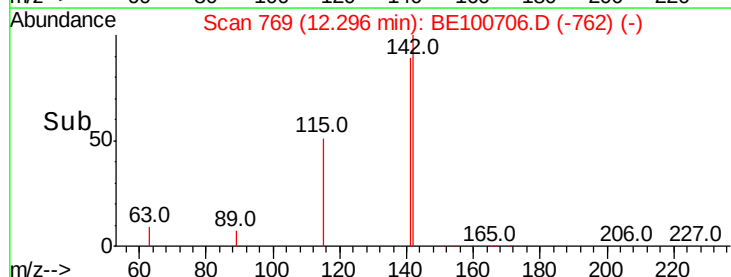
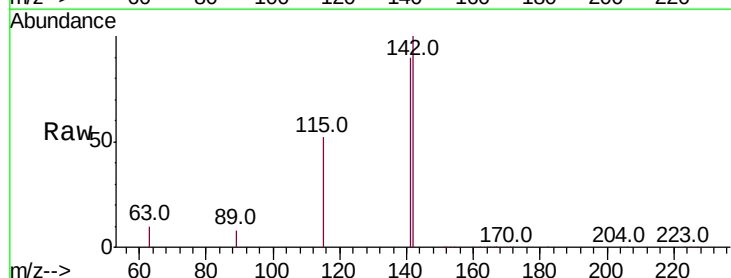
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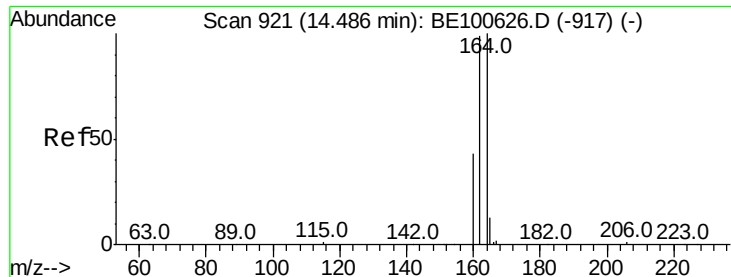
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#12
2-Methylnaphthalene
Concen: 3.935 ng
RT: 12.30 min Scan# 769
Delta R.T. 0.00 min
Lab File: BE100706.D
Acq: 7 Nov 2019 17:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.1	105.1
115	51.8	28.3	42.5#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. 0.00 min

Lab File: BE100706.D

Acq: 7 Nov 2019 17:59

Instrument :

BNA_E

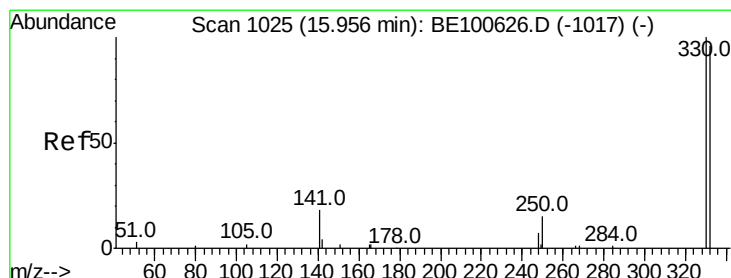
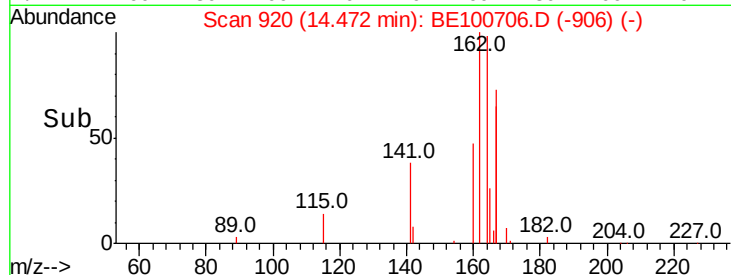
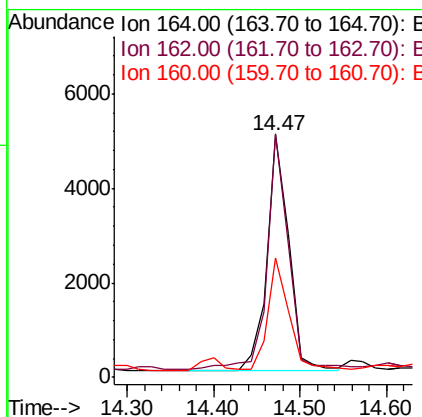
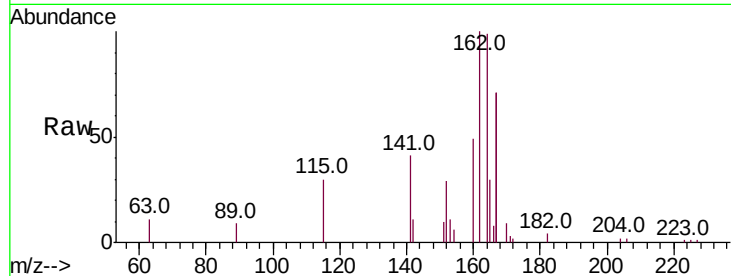
ClientSampleId :

SO-1

Tot Ion:	164	Resp:	8808
Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.0	123.0
160	49.5	37.5	56.3

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#14

2,4,6-Tribromophenol

Concen: 0.355 ng

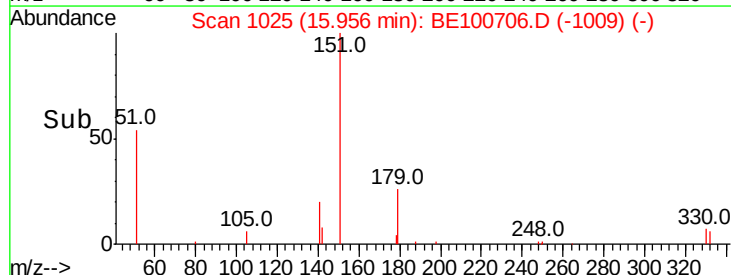
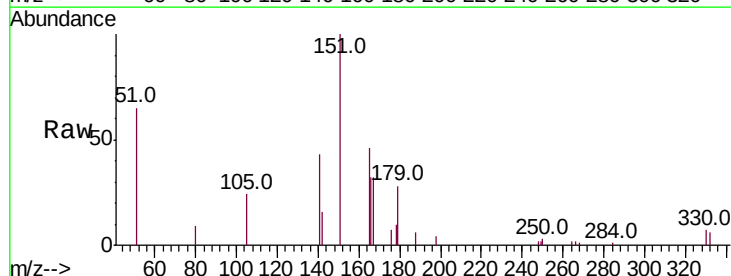
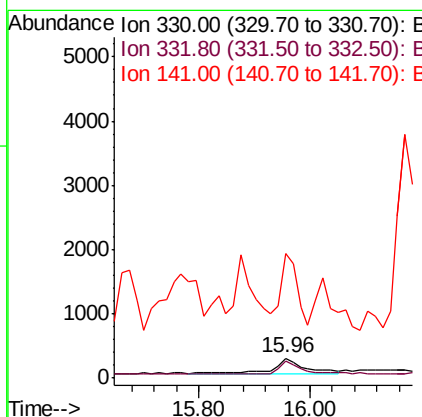
RT: 15.96 min Scan# 1025

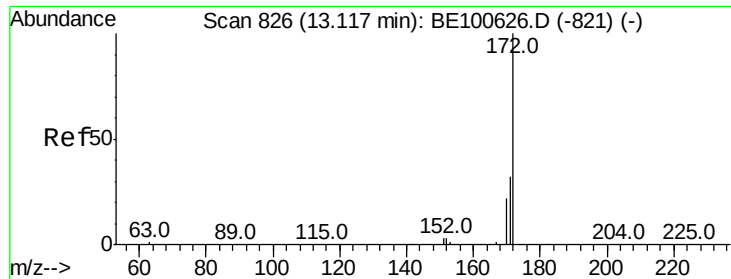
Delta R.T. 0.01 min

Lab File: BE100706.D

Acq: 7 Nov 2019 17:59

Tgt Ion:	330	Resp:	827
Ion	Ratio	Lower	Upper
330	100		
332	65.4	77.9	116.9#
141	253.2	33.0	49.6#





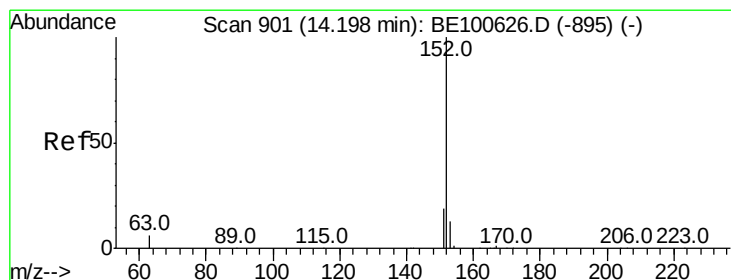
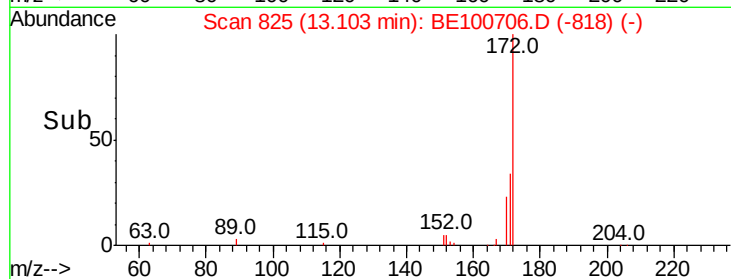
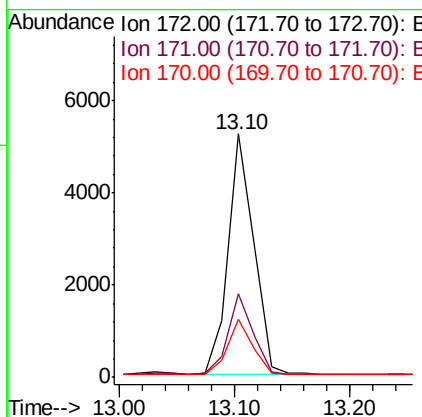
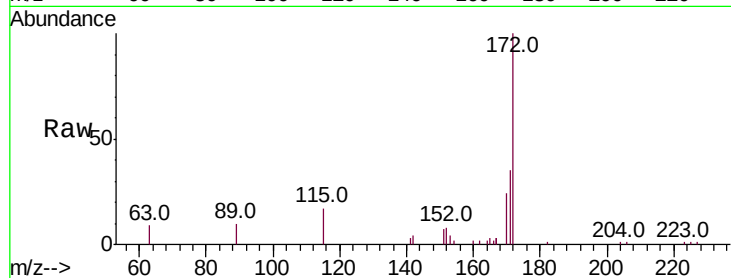
#15
2-Fluorobiphenyl
Concen: 0.250 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE100706.D
Acq: 7 Nov 2019 17:59

Instrument :
BNA_E
ClientSampleId :
SO-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	26.5	39.7
170	23.8	19.0	28.4

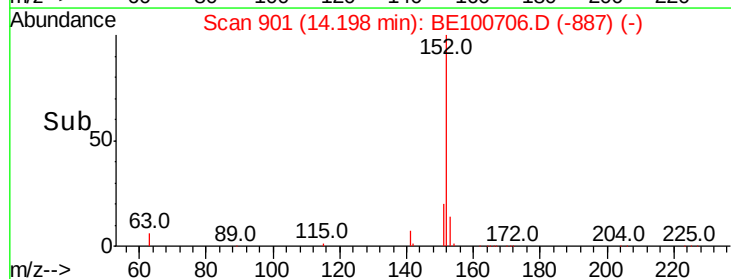
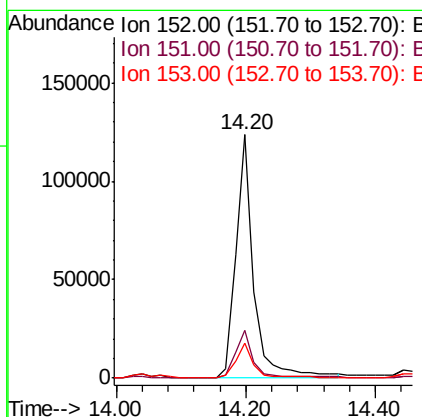
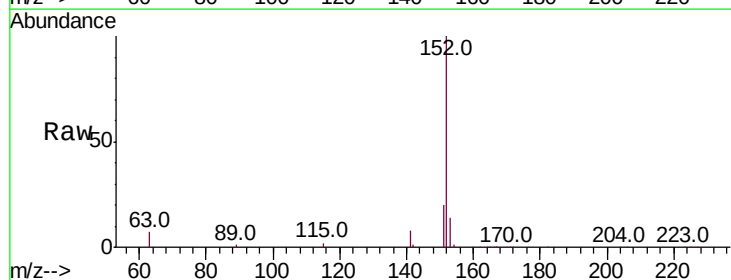
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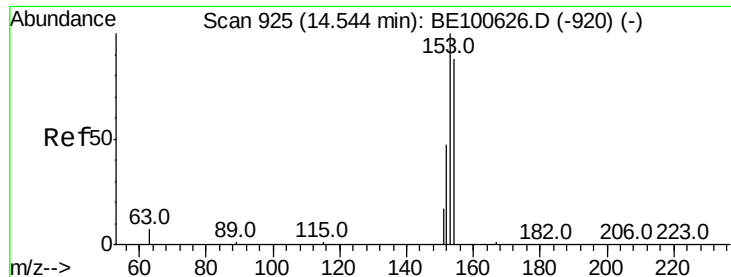
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#16
Acenaphthylene
Concen: 6.148 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE100706.D
Acq: 7 Nov 2019 17:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.2	22.8
153	14.1	10.3	15.5





#17

Acenaphthene

Concen: 7.060 ng

RT: 14.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: BE100706.D

Acq: 7 Nov 2019 17:59

Instrument :

BNA_E

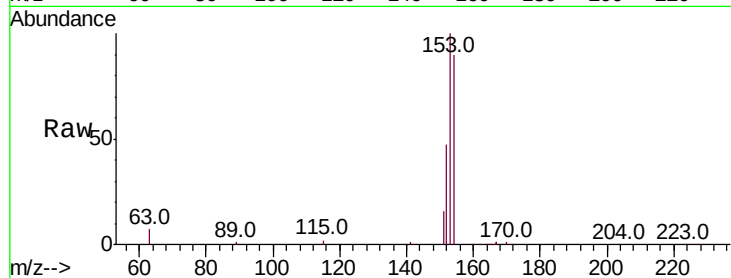
ClientSampled :

SO-1

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.8	89.4	134.2
152	56.0	44.1	66.1

Manual Integrations
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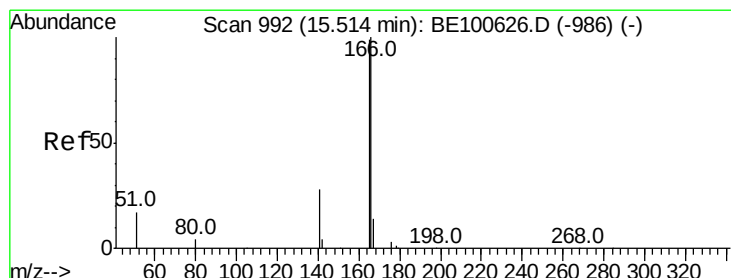
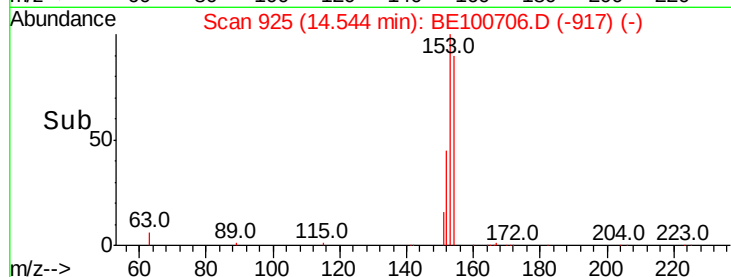
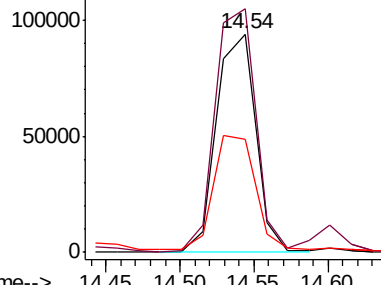


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 5.578 ng

RT: 15.50 min Scan# 991

Delta R.T. 0.00 min

Lab File: BE100706.D

Acq: 7 Nov 2019 17:59

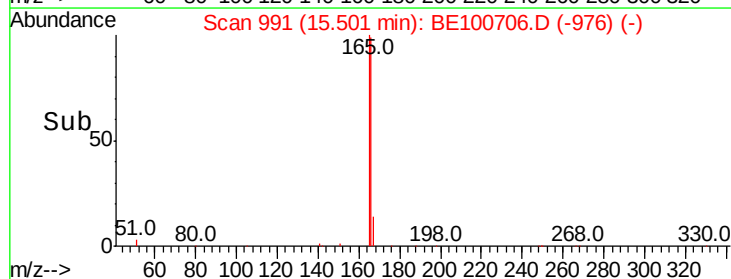
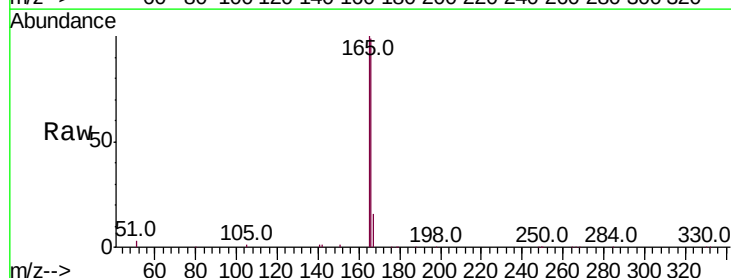
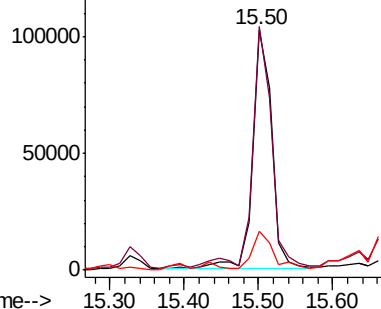
Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.8	78.6	117.8
167	16.6	10.9	16.3#

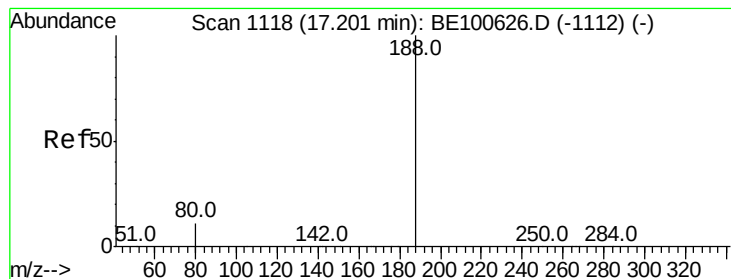
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BE100706.D

Acq: 7 Nov 2019 17:59

Instrument :

BNA_E

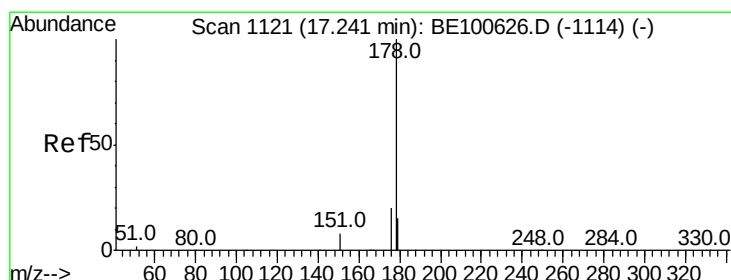
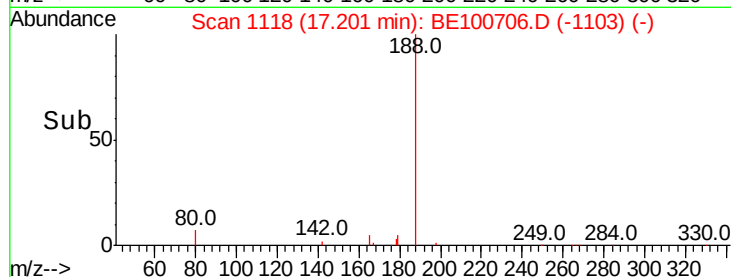
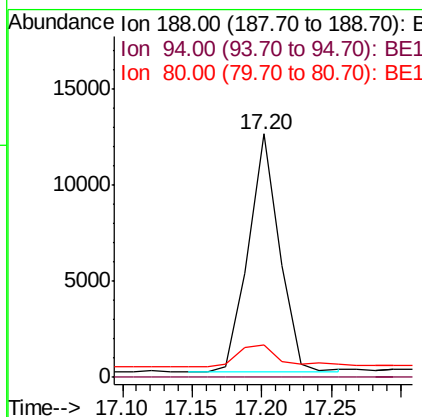
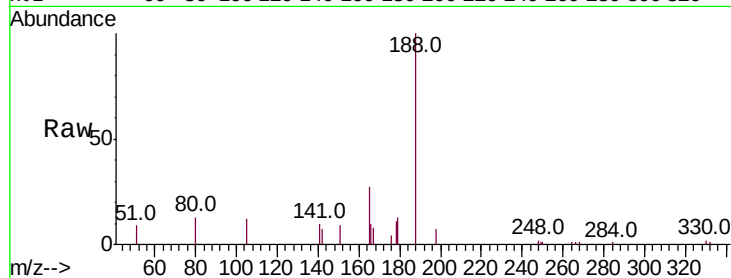
ClientSampled :

SO-1

Tot Ion:	188	Resp:	19130
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	13.3	5.4	8.0#

Manual Integrations
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#23

Phenanthrene

Concen: 63.444 ng

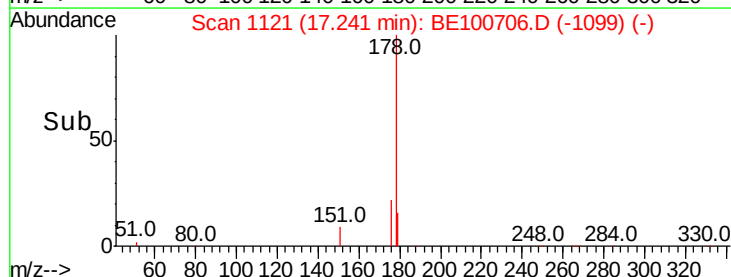
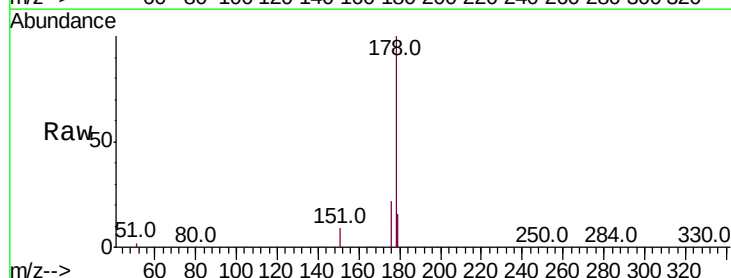
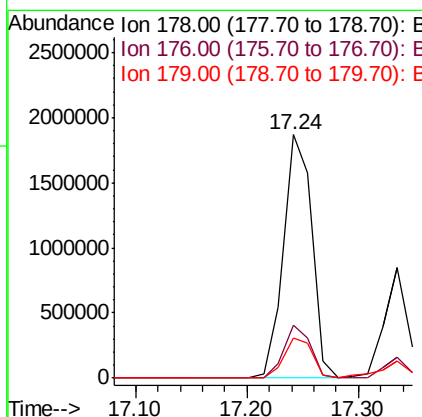
RT: 17.24 min Scan# 1121

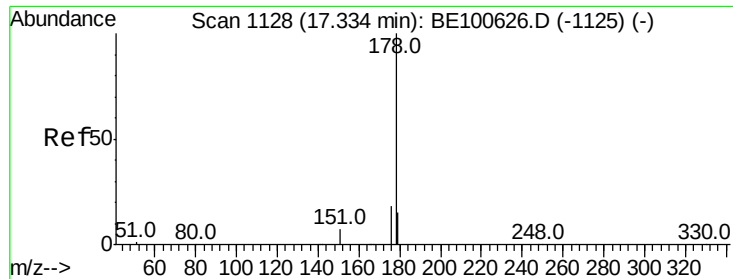
Delta R.T. 0.00 min

Lab File: BE100706.D

Acq: 7 Nov 2019 17:59

Tgt Ion:	178	Resp:	3338336
Ion Ratio	Lower	Upper	
178	100		
176	20.6	15.2	22.8
179	16.5	12.1	18.1





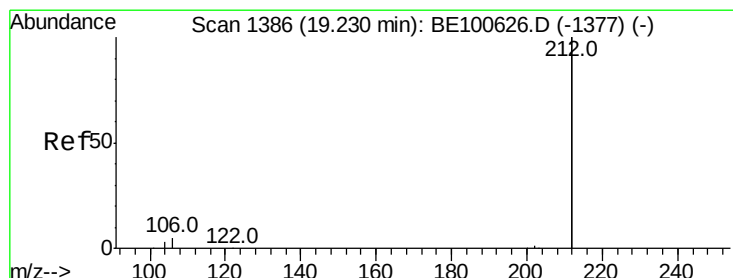
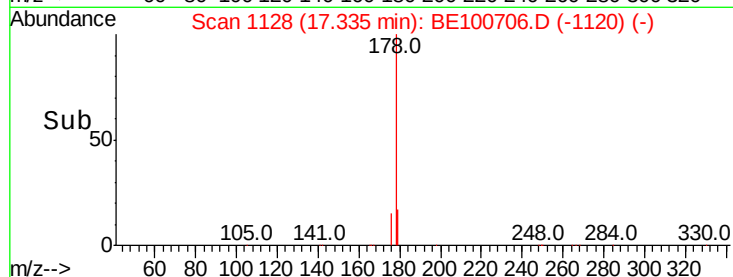
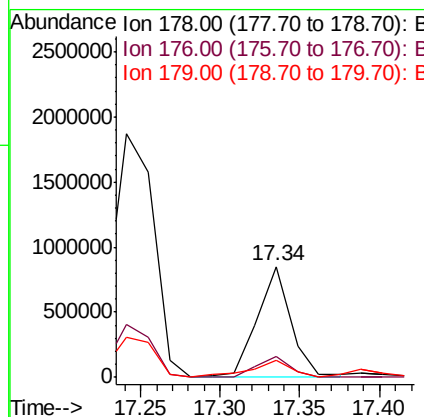
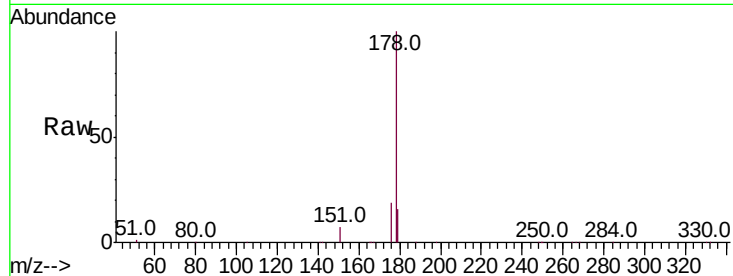
#24
 Anthracene
 Concen: 25.035 ng
 RT: 17.34 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: BE100706.D
 Acq: 7 Nov 2019 17:59

Instrument :
 BNA_E
 ClientSampled :
 SO-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.0	22.4
179	17.3	12.5	18.7

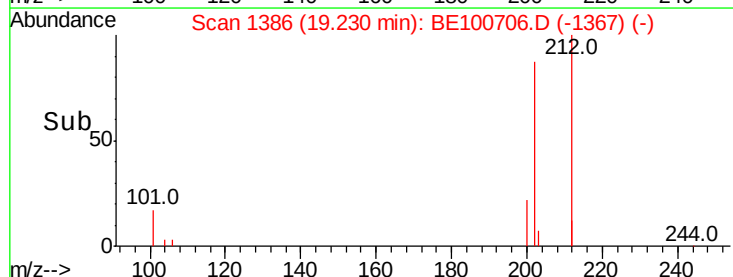
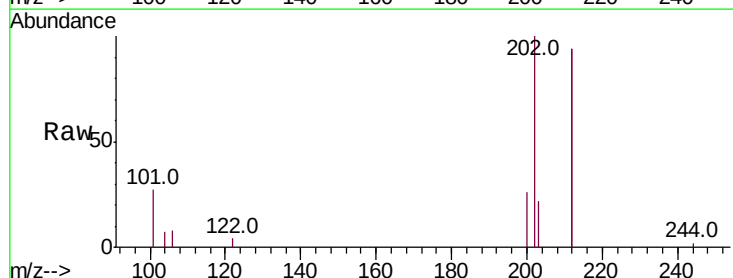
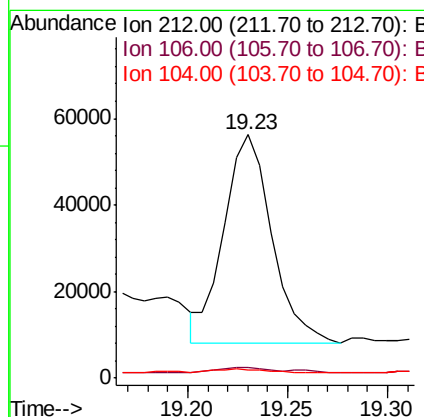
Manual Integrations
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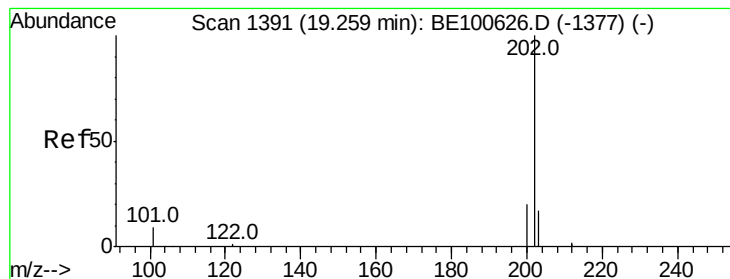
Sohil
 11/8/2019 3:32:28 PM



#25
 Fluoranthene-d10
 Concen: 0.325 ng
 RT: 19.23 min Scan# 1386
 Delta R.T. 0.01 min
 Lab File: BE100706.D
 Acq: 7 Nov 2019 17:59

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.3	3.5
104	3.0	1.3	1.9#





#26

Fluoranthene

Concen: 95.860 ng

RT: 19.27 min Scan# 1393

Delta R.T. 0.02 min

Lab File: BE100706.D

Acq: 7 Nov 2019 17:59

Instrument :

BNA_E

ClientSampled :

SO-1

Tot Ion:202 Resp: 6583249

Ion Ratio Lower Upper

202 100

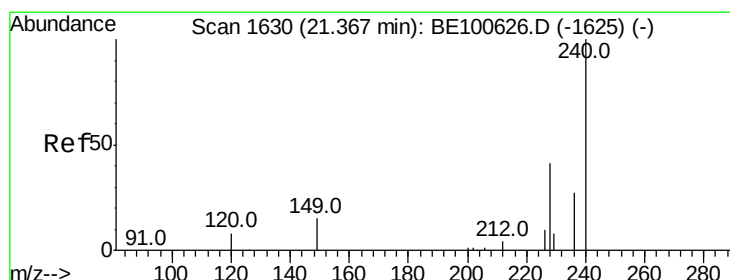
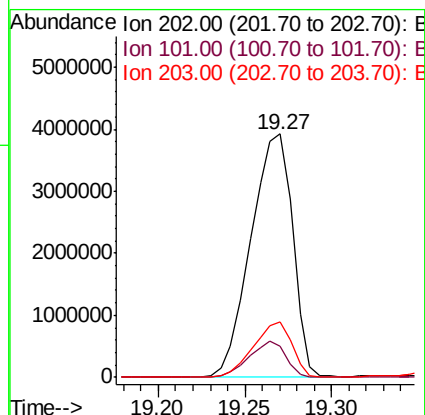
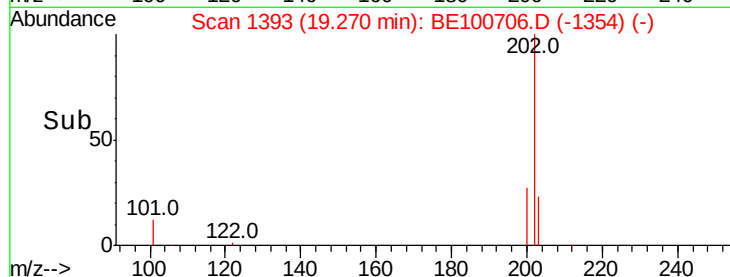
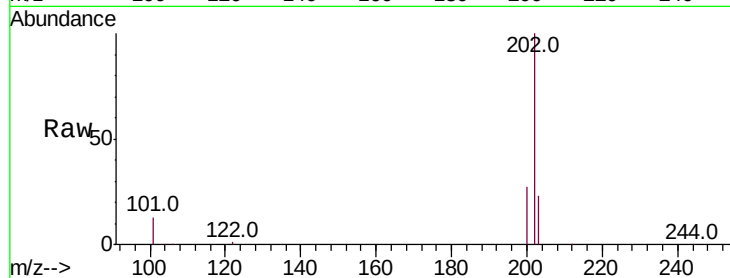
101 13.1 8.5 12.7#

203 20.8 13.8 20.8#

Manual Integrations
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#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.02 min

Lab File: BE100706.D

Acq: 7 Nov 2019 17:59

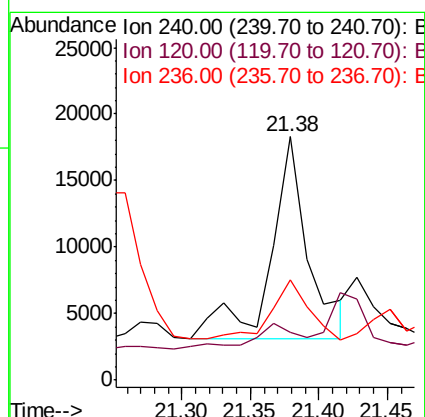
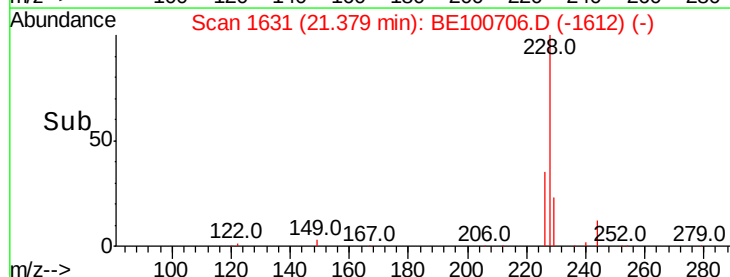
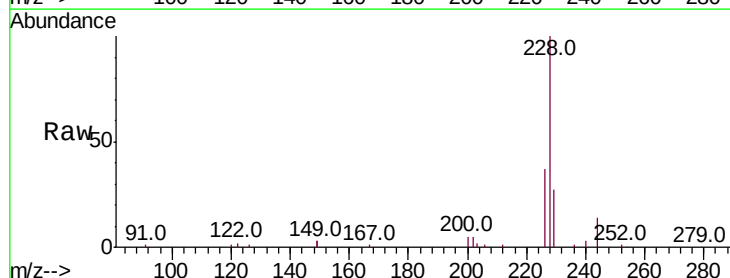
Tgt Ion:240 Resp: 28976

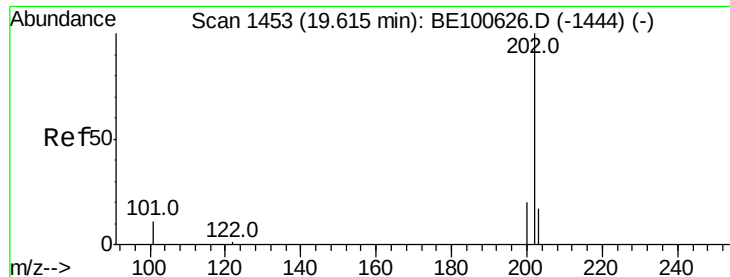
Ion Ratio Lower Upper

240 100

120 19.9 7.6 11.4#

236 41.1 22.1 33.1#





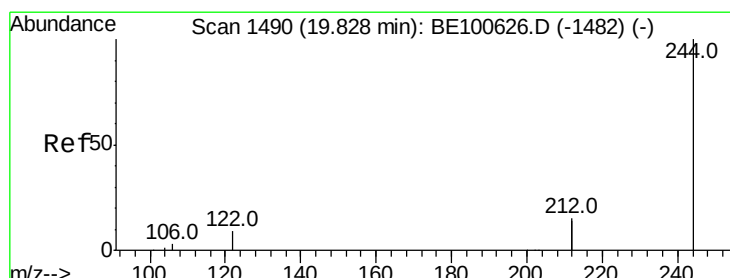
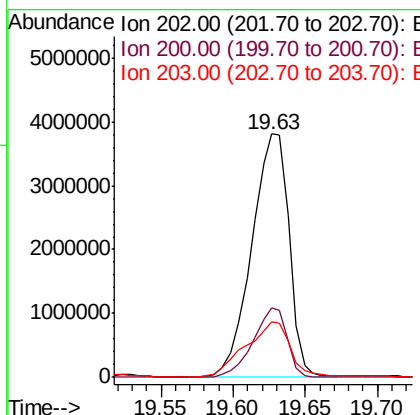
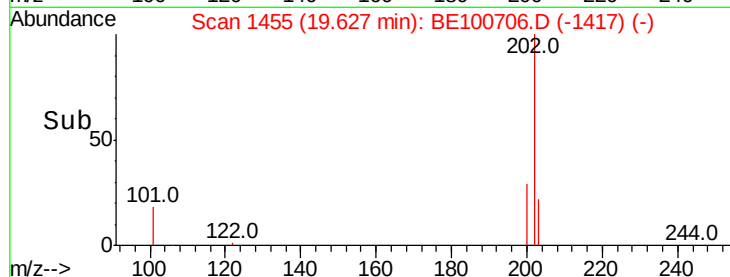
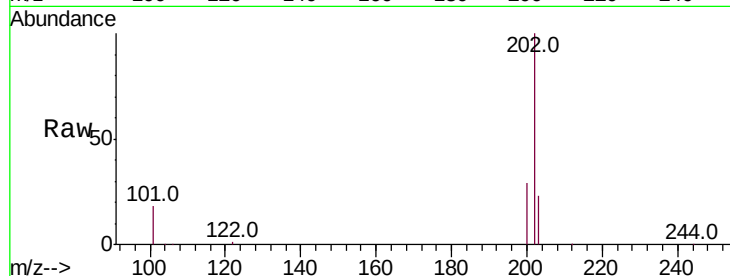
#28
 Pvrene
 Concen: 84.984 ng
 RT: 19.63 min Scan# 1455
 Delta R.T. 0.02 min
 Lab File: BE100706.D
 Acq: 7 Nov 2019 17:59

Instrument :
 BNA_E
 ClientSampled :
 SO-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	25.9	16.7	25.1#
203	27.0	14.0	21.0#

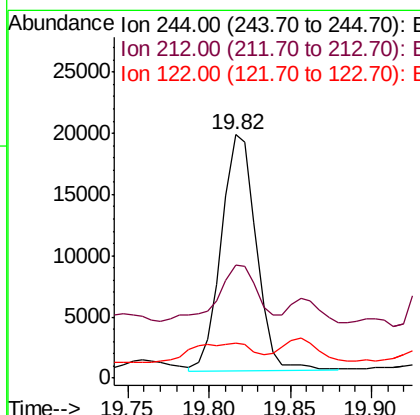
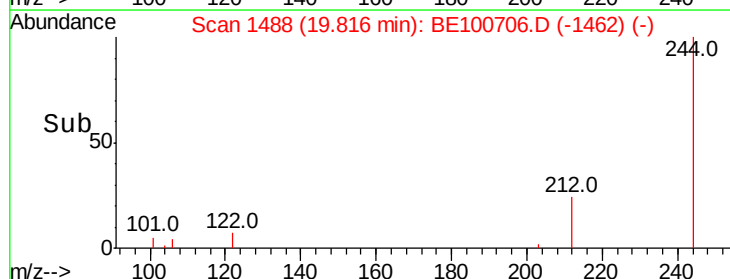
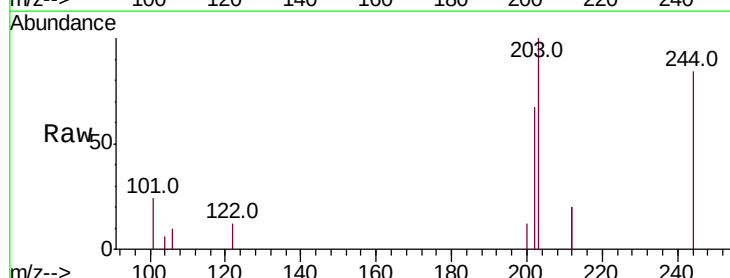
Manual Integrations
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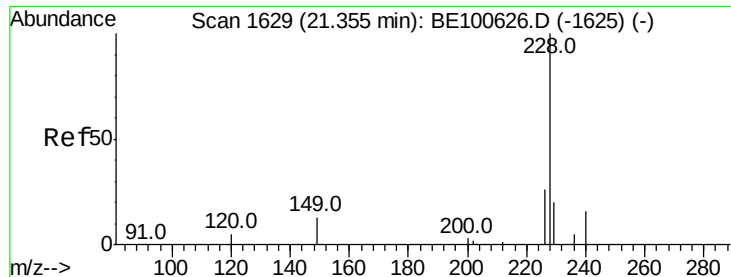
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 11/8/2019 3:32:28 PM



#29
 Terphenyl-d14
 Concen: 0.455 ng
 RT: 19.82 min Scan# 1488
 Delta R.T. 0.00 min
 Lab File: BE100706.D
 Acq: 7 Nov 2019 17:59

Tgt Ion	Ratio	Lower	Upper
244	100		
212	46.4	23.7	35.5#
122	14.5	7.9	11.9#





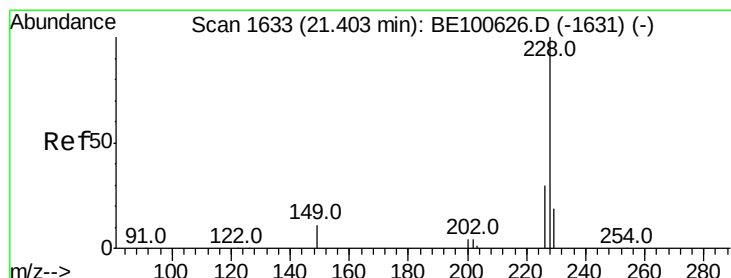
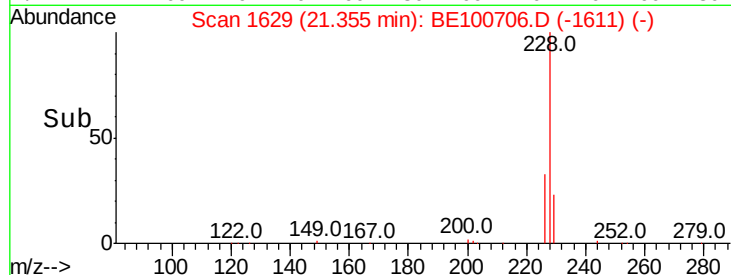
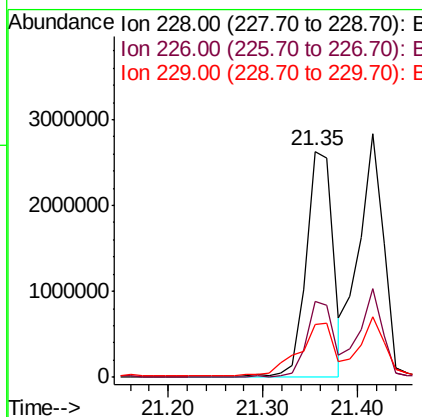
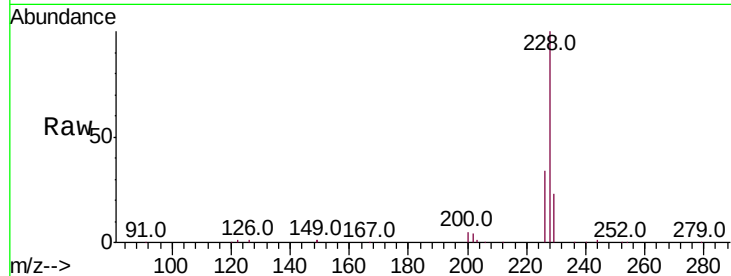
#30
Benzo(a)anthracene
Concen: 54.486 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BE100706.D
Acq: 7 Nov 2019 17:59

Instrument :
BNA_E
ClientSampled :
SO-1

Tot Ion:228 Resp: 5150086
Ion Ratio Lower Upper
228 100
226 33.7 21.4 32.0#
229 23.4 16.0 24.0

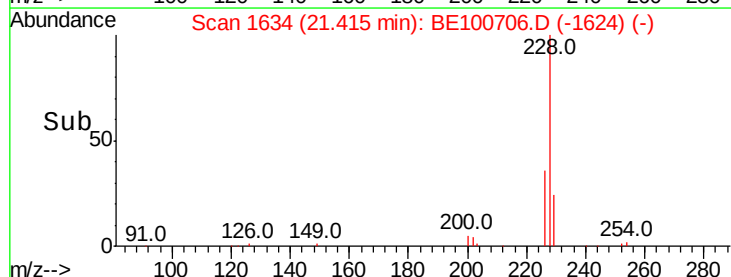
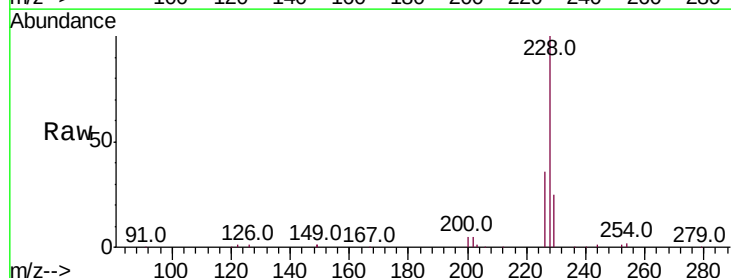
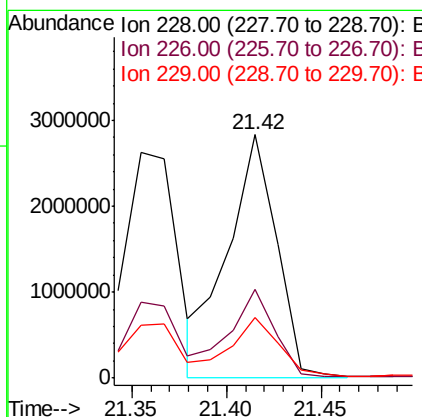
Manual Integrations
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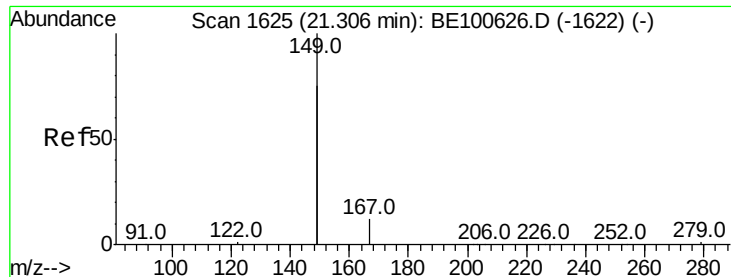
Sohil
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#31
Chrysene
Concen: 54.921 ng m
RT: 21.42 min Scan# 1634
Delta R.T. 0.02 min
Lab File: BE100706.D
Acq: 7 Nov 2019 17:59

Tgt Ion:228 Resp: 5187916
Ion Ratio Lower Upper
228 100
226 36.4 24.6 37.0
229 25.1 15.8 23.8#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.578 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE100706.D

Acq: 7 Nov 2019 17:59

Instrument :

BNA_E

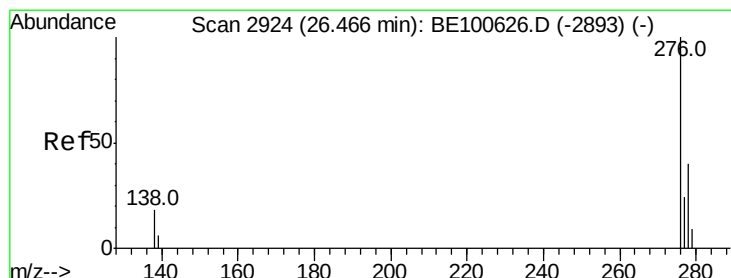
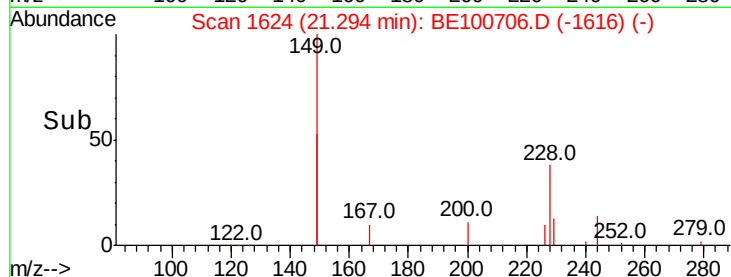
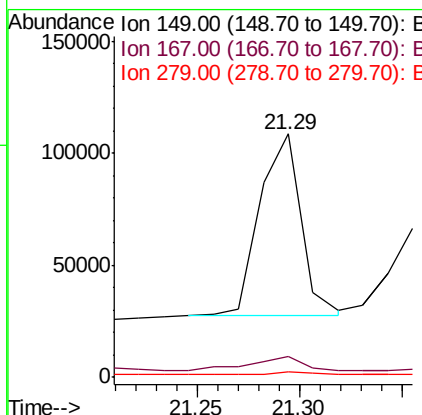
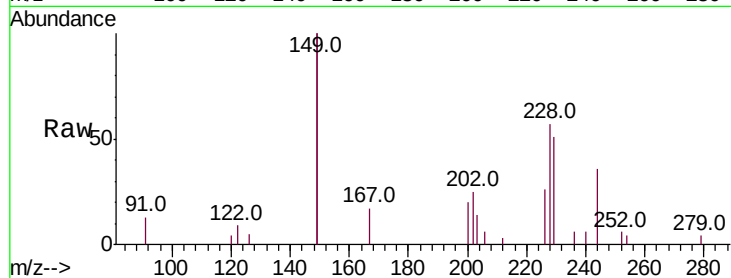
ClientSampled :

SO-1

Tot Ion:	149	Resp:	114179
Ion Ratio	Lower	Upper	
149	100		
167	9.8	5.5	8.3#
279	2.0	0.9	1.3#

Manual Integrations
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#33

Indeno(1,2,3-cd)pyrene

Concen: 38.065 ng

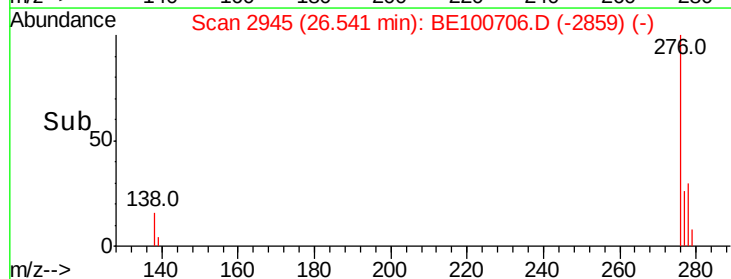
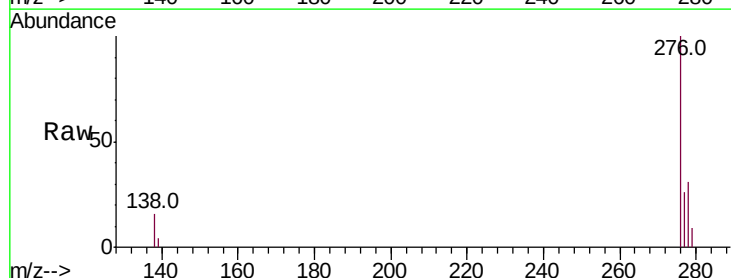
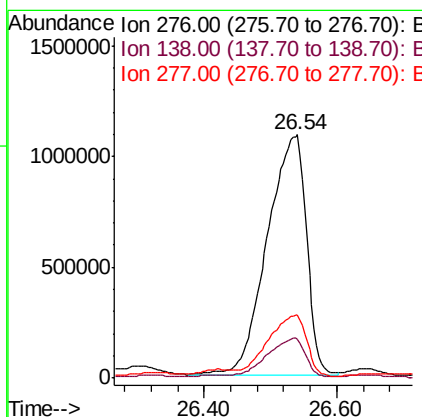
RT: 26.54 min Scan# 2945

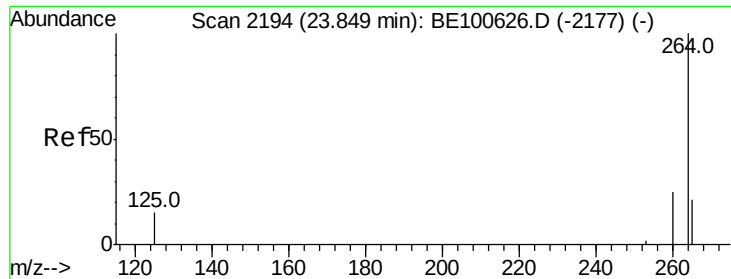
Delta R.T. 0.11 min

Lab File: BE100706.D

Acq: 7 Nov 2019 17:59

Tgt Ion:	276	Resp:	4419216
Ion Ratio	Lower	Upper	
276	100		
138	15.3	15.3	22.9
277	25.1	19.4	29.2





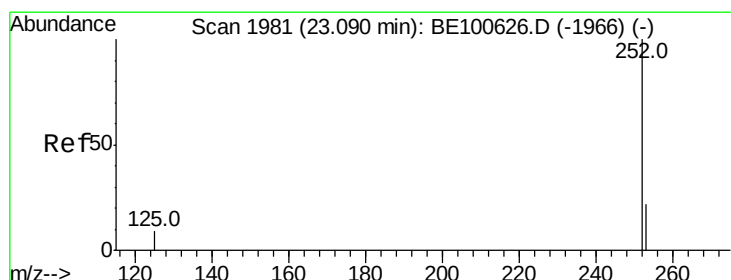
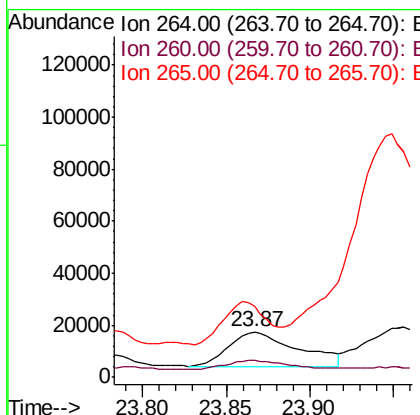
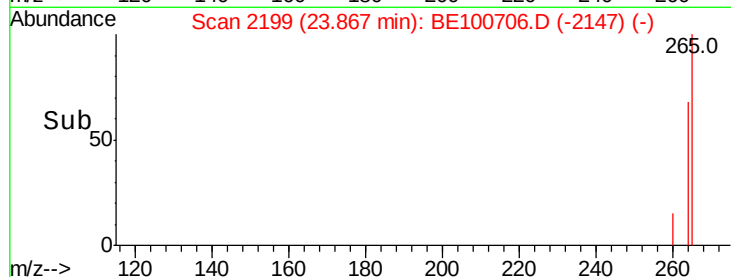
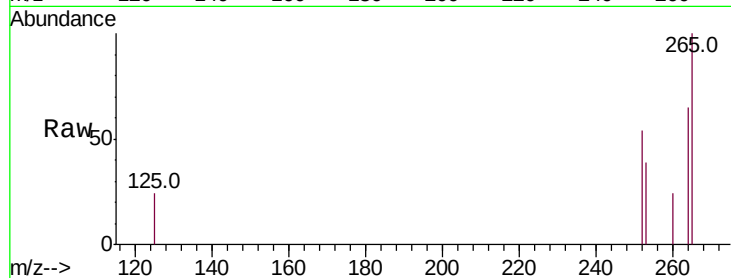
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.87 min Scan# 2199
 Delta R.T. 0.04 min
 Lab File: BE100706.D
 Acq: 7 Nov 2019 17:59

Instrument :
 BNA_E
 ClientSampleId :
 SO-1

Tot Ion:264 Resp: 37278
 Ion Ratio Lower Upper
 264 100
 260 36.7 19.4 29.2#
 265 154.7 21.7 32.5#

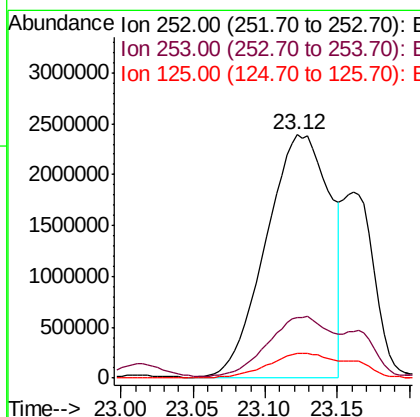
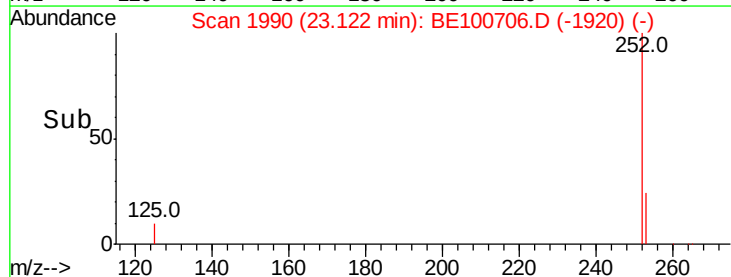
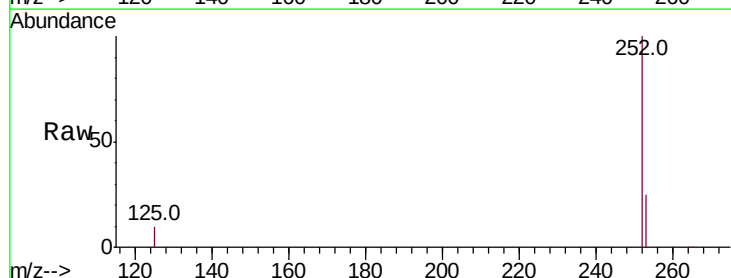
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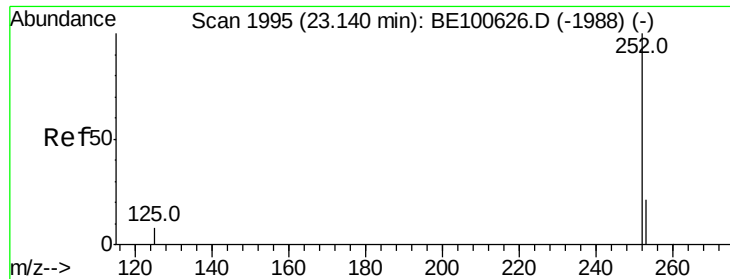
Sohil
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#35
 Benzo(b)fluoranthene
 Concen: 67.409 ng
 RT: 23.12 min Scan# 1990
 Delta R.T. 0.05 min
 Lab File: BE100706.D
 Acq: 7 Nov 2019 17:59

Tgt Ion:252 Resp: 7327288
 Ion Ratio Lower Upper
 252 100
 253 25.0 18.4 27.6
 125 10.2 7.6 11.4





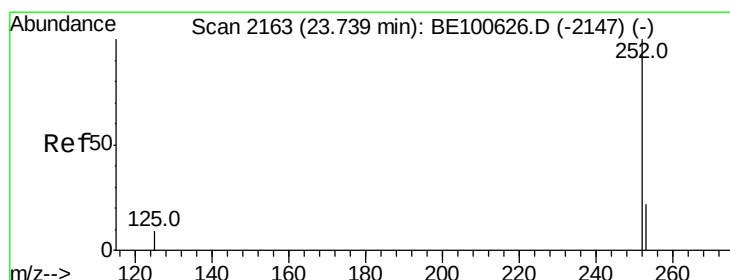
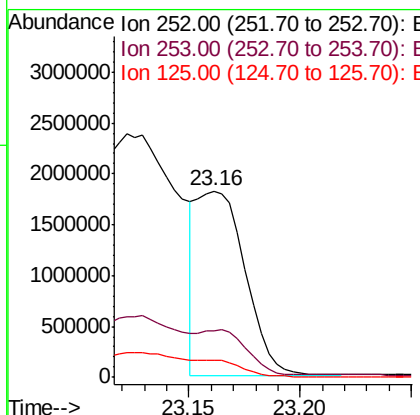
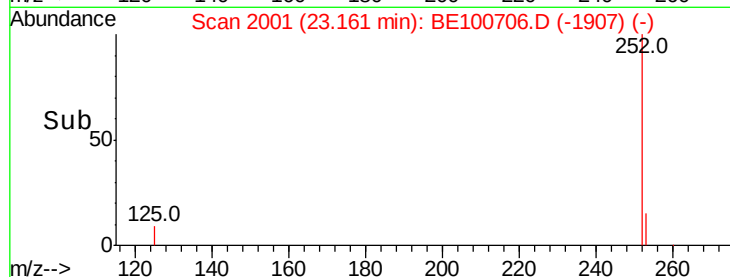
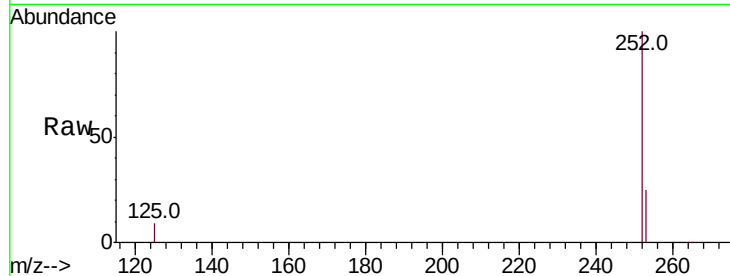
#36
Benzo(k)fluoranthene
Concen: 24.794 ng
RT: 23.16 min Scan# 2001
Delta R.T. 0.04 min
Lab File: BE100706.D
Acq: 7 Nov 2019 17:59

Instrument :
BNA_E
ClientSampleId :
SO-1

Tot Ion:252 Resp: 2771835
Ion Ratio Lower Upper
252 100
253 25.3 18.4 27.6
125 9.1 11.6 17.4#

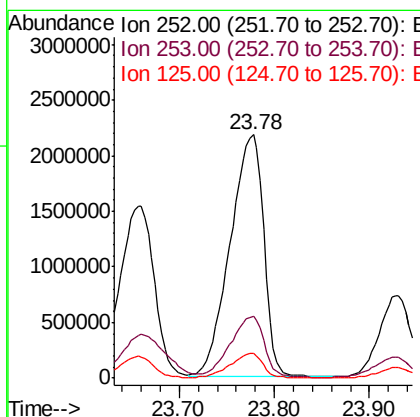
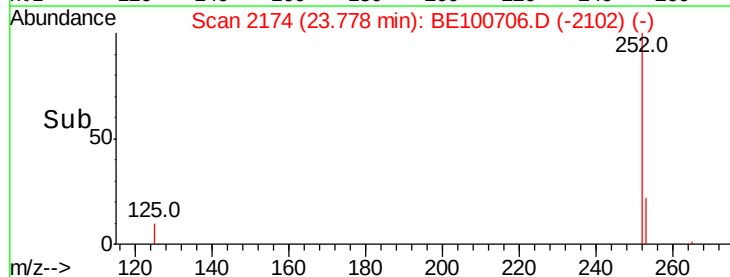
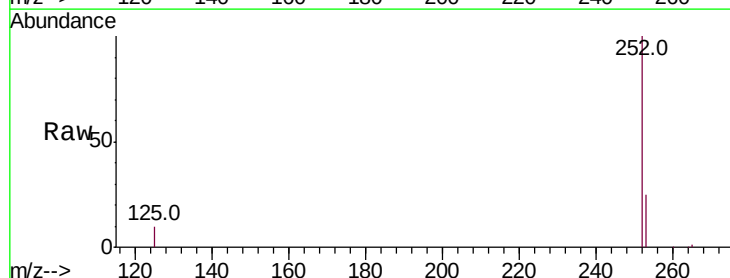
Manual Integrations
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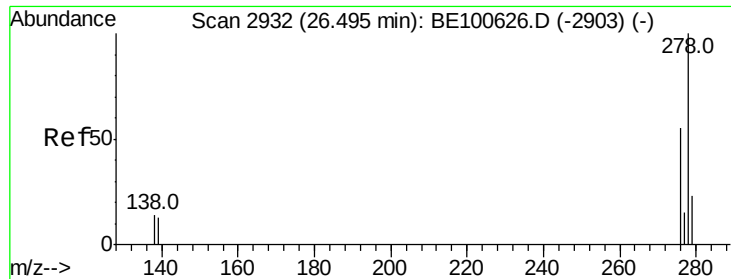
Sohil
11/8/2019 3:32:28 PM



#37
Benzo(a)pyrene
Concen: 52.670 ng
RT: 23.78 min Scan# 2174
Delta R.T. 0.06 min
Lab File: BE100706.D
Acq: 7 Nov 2019 17:59

Tgt Ion:252 Resp: 5329252
Ion Ratio Lower Upper
252 100
253 25.3 18.4 27.6
125 10.1 8.2 12.4





#38
Dibenzo(a,h)anthracene
Concen: 10.570 ng
RT: 26.54 min Scan# 2945
Delta R.T. 0.08 min
Lab File: BE100706.D
Acq: 7 Nov 2019 17:59

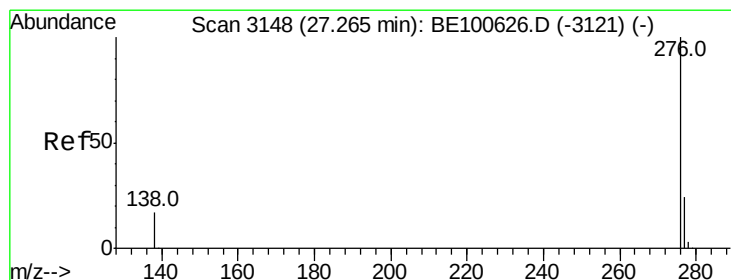
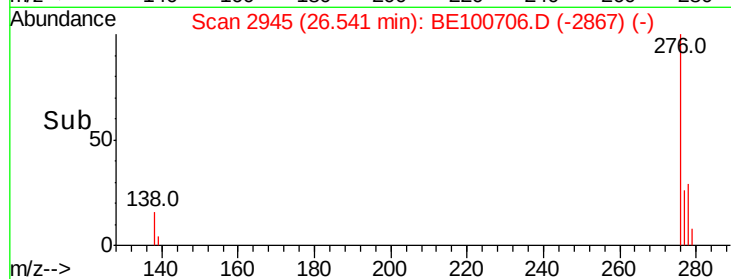
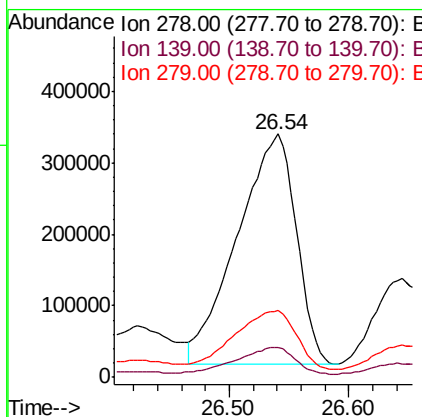
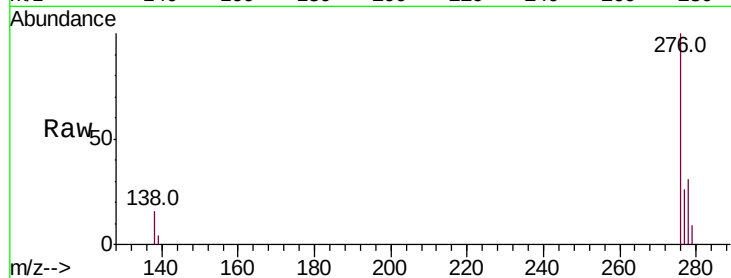
Instrument :
BNA_E
ClientSampled :
SO-1

Tot Ion:278 Resp: 1105473

Ion	Ratio	Lower	Upper
278	100		
139	12.5	10.9	16.3
279	27.5	19.4	29.2

Manual Integrations
APPROVED

Sohil
11/8/2019 3:32:28 PM



#39
Benzo(g,h,i)perylene
Concen: 39.735 ng
RT: 27.35 min Scan# 3173
Delta R.T. 0.12 min
Lab File: BE100706.D
Acq: 7 Nov 2019 17:59

Tgt Ion:276 Resp: 4179406

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.4	29.0
138	15.8	13.6	20.4

