

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110719\
 Data File : BE100707.D
 Acq On : 7 Nov 2019 18:35
 Operator : JU
 Sample : K5725-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SO-2

Manual Integrations
 APPROVED

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

Quant Time: Nov 08 06:28:33 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	2228	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	10024	0.40	ng	0.01
13) Acenaphthene-d10	14.47	164	7981	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	16957	0.40	ng	0.00
27) Chrysene-d12	21.38	240	21687	0.40	ng	0.02
34) Perylene-d12	23.86	264	28690	0.40	ng	0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.45	112	1794	0.26	ng	0.01
5) Phenol-d6	7.02	99	2912	0.30	ng	0.01
8) Nitrobenzene-d5	8.99	82	2403	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	4491	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	657	0.31	ng	0.03
15) 2-Fluorobiphenyl	13.10	172	5701	0.20	ng	0.00
25) Fluoranthene-d10	19.23	212	49331	0.23	ng	0.01
29) Terphenyl-d14	19.82	244	14220	0.30	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.68	128	876309	8.314	ng	100
12) 2-Methylnaphthalene	12.30	142	67510	3.757	ng	# 85
16) Acenaphthylene	14.20	152	159198	4.636	ng	97
17) Acenaphthene	14.54	154	138277	6.230	ng	97
18) Fluorene	15.51	166	214408	7.274	ng	95
23) Phenanthrene	17.25	178	3079833	66.032	ng	97
24) Anthracene	17.33	178	918234	21.217	ng	97
26) Fluoranthene	19.26	202	4860819	79.849	ng	96
28) Pyrene	19.63	202	4739440	78.221	ng	# 89
30) Benzo(a)anthracene	21.35	228	3161481	44.689	ng	93
31) Chrysene	21.41	228	2943158m	41.629	ng	
32) Bis(2-ethylhexyl)phthalate	21.29	149	98403	0.665	ng	# 96
33) Indeno(1,2,3-cd)pyrene	26.52	276	2431499	27.983	ng	95
35) Benzo(b)fluoranthene	23.12	252	4198044	50.182	ng	98
36) Benzo(k)fluoranthene	23.16	252	1334542m	15.511	ng	
37) Benzo(a)pyrene	23.77	252	3177727	40.807	ng	98
38) Dibenzo(a,h)anthracene	26.53	278	630540	7.834	ng	96
39) Benzo(a,h,i)perylene	27.33	276	2490411	30.765	ng	98

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

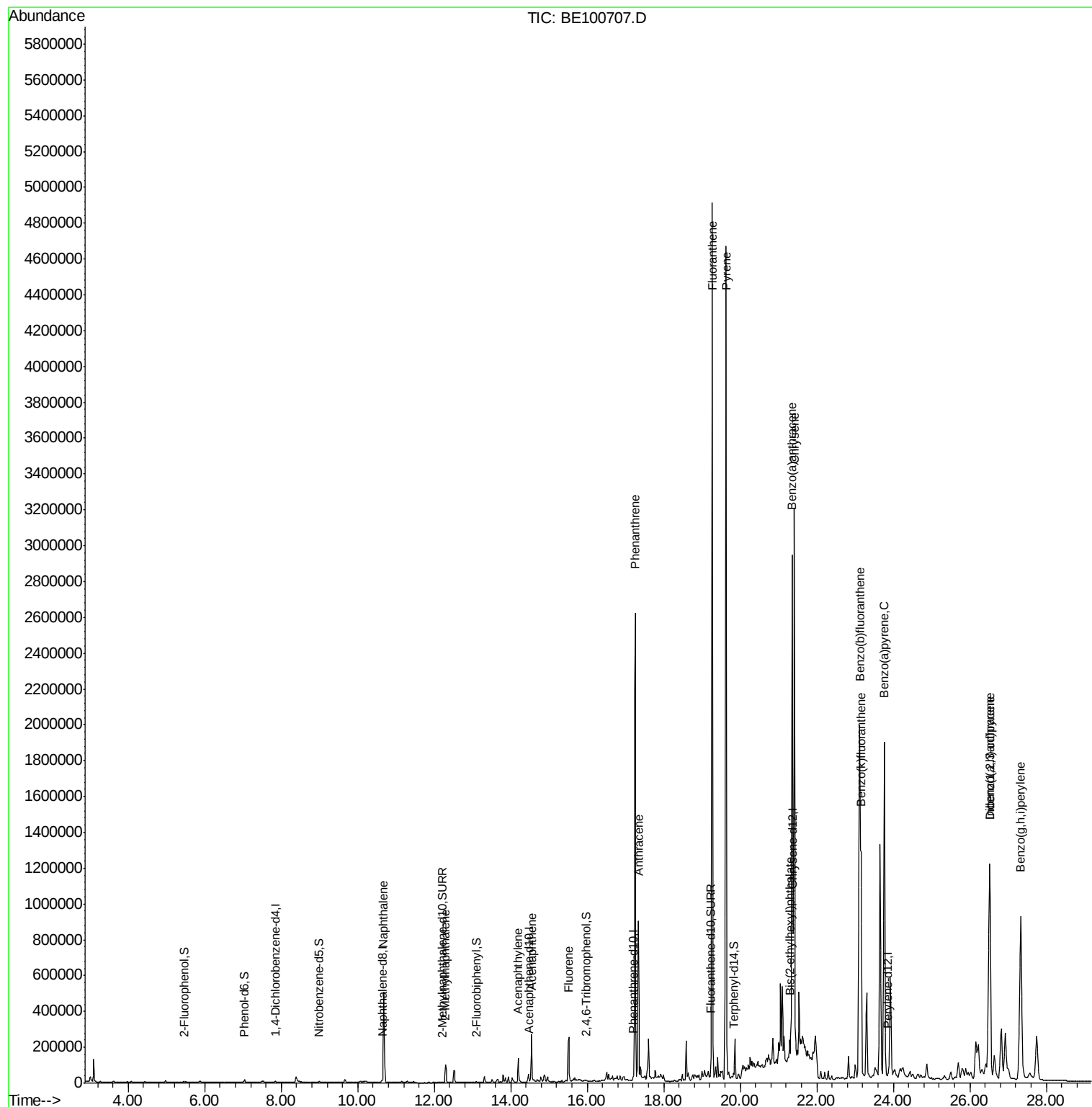
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110719\
Data File : BE100707.D
Acq On : 7 Nov 2019 18:35
Operator : JU
Sample : K5725-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

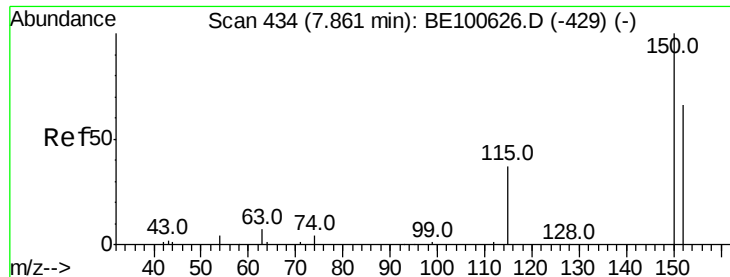
Instrument :
BNA_E
ClientSampled :
SO-2

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Quant Time: Nov 08 06:28:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

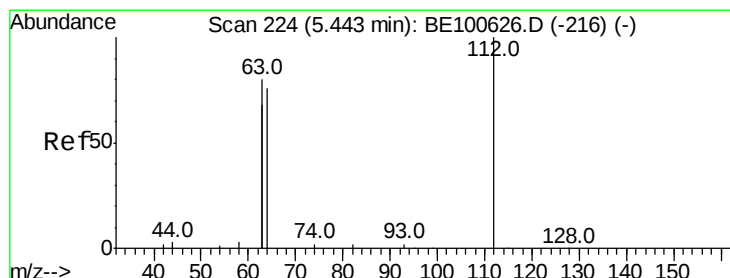
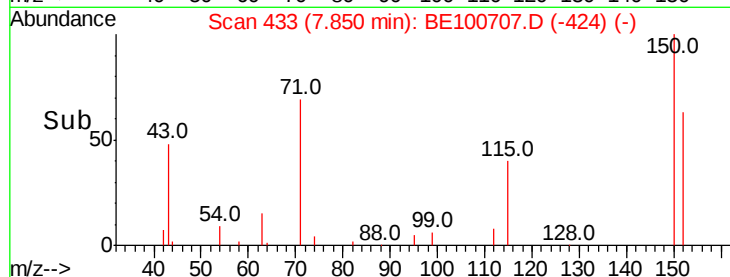
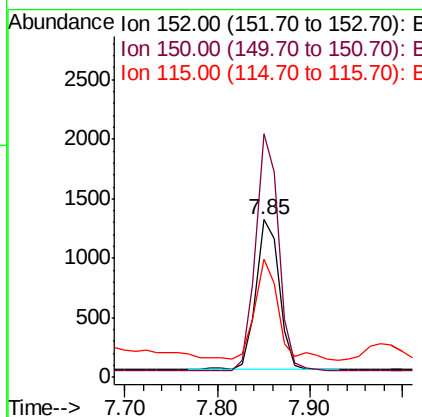
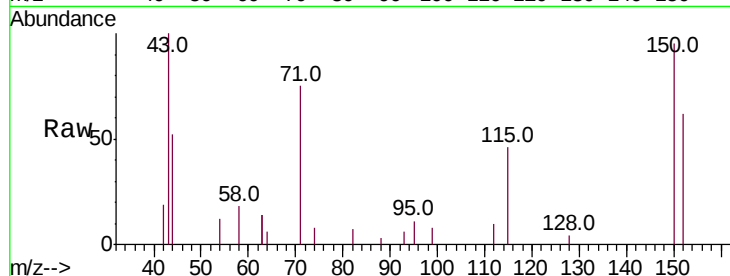
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Instrument :
BNA_E
ClientSampled :
SO-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	123.3	184.9
115	75.0	51.9	77.9

Manual Integrations
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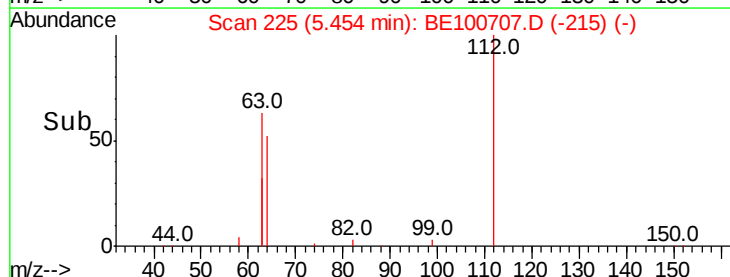
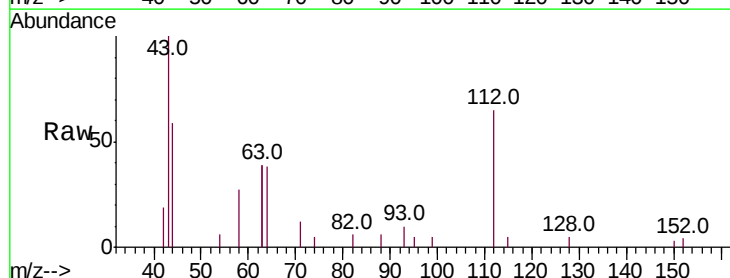
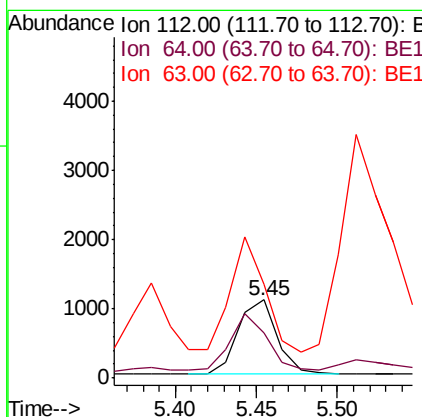
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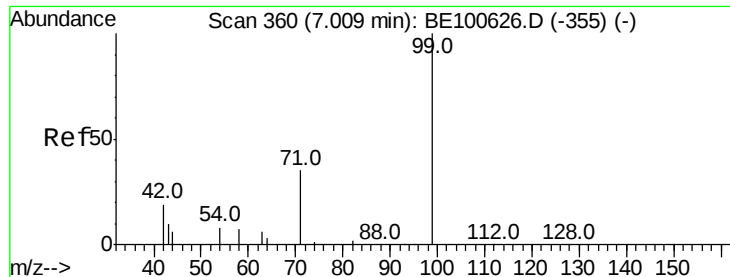


#4

2-Fluorophenol
Concen: 0.261 ng
RT: 5.45 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.2	55.4	83.2
63	135.3	114.2	171.4





#5

Phenol-d6

Concen: 0.300 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.01 min

Lab File: BE100707.D

Acq: 7 Nov 2019 18:35

Instrument :

BNA_E

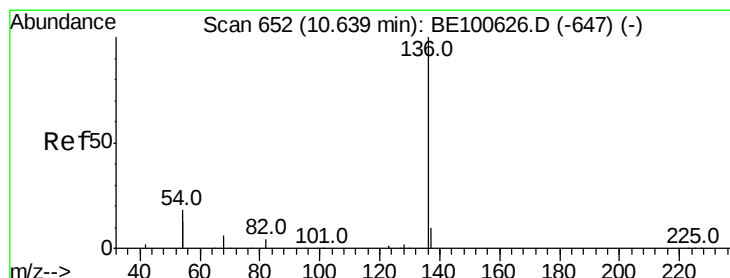
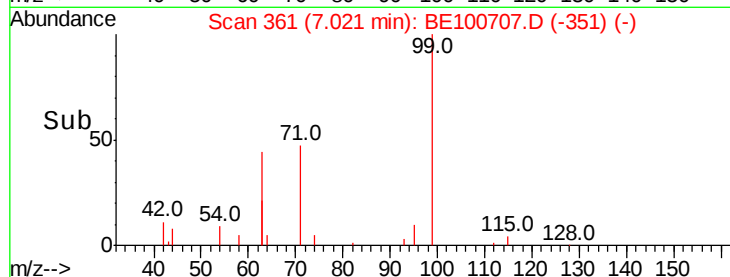
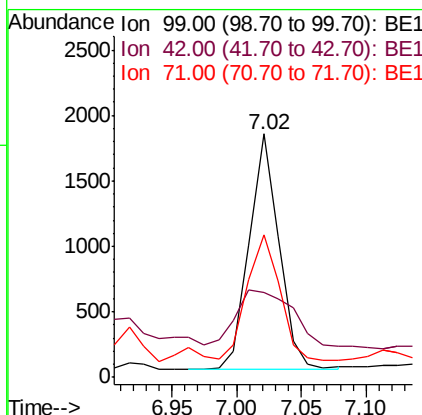
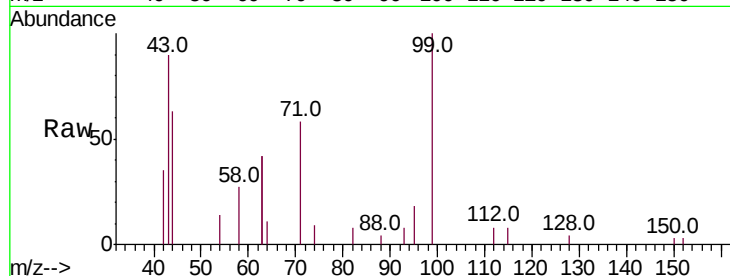
ClientSampled :

SO-2

Tot Ion:	99	Resp:	2912
Ion Ratio	Lower	Upper	
99	100		
42	48.1	17.7	26.5#
71	58.0	27.4	41.0#

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#7

Naphthalene-d8

Concen: 0.400 ng

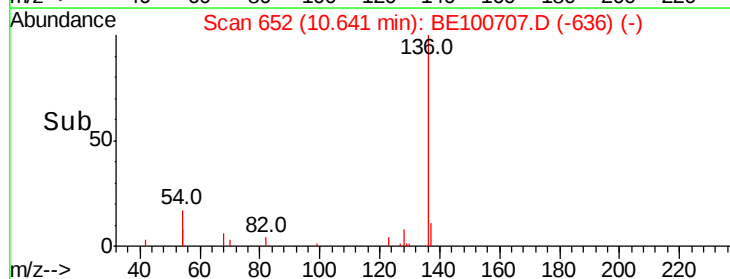
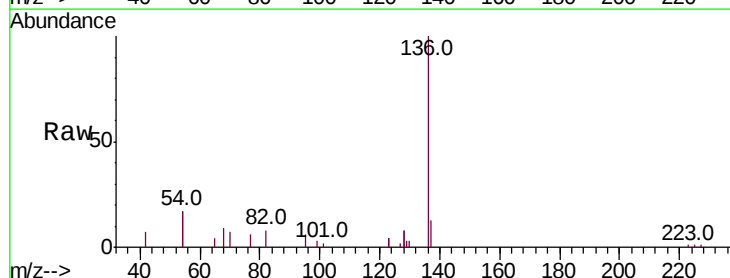
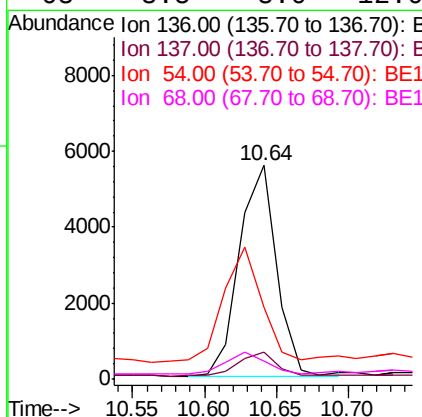
RT: 10.64 min Scan# 652

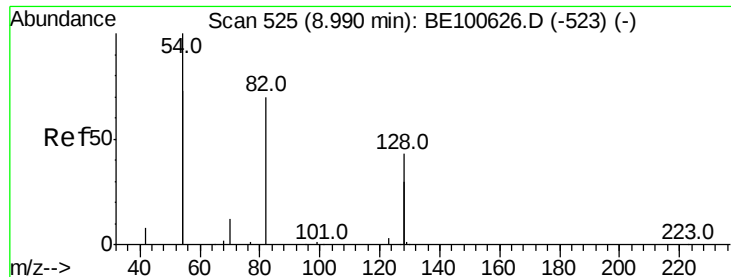
Delta R.T. 0.01 min

Lab File: BE100707.D

Acq: 7 Nov 2019 18:35

Tgt Ion:	136	Resp:	10024
Ion Ratio	Lower	Upper	
136	100		
137	12.6	9.2	13.8
54	33.7	39.4	59.2#
68	8.5	8.0	12.0





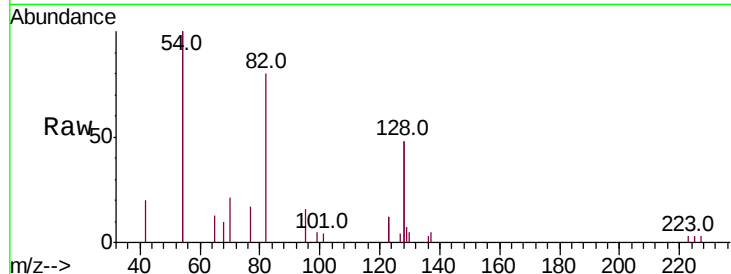
#8
 Nitrobenzene-d5
 Concen: 0.387 ng
 RT: 8.99 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: BE100707.D
 Acq: 7 Nov 2019 18:35

Instrument :
 BNA_E
 ClientSampled :
 SO-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	119.3	107.8	161.8
54	249.5	166.1	249.1#

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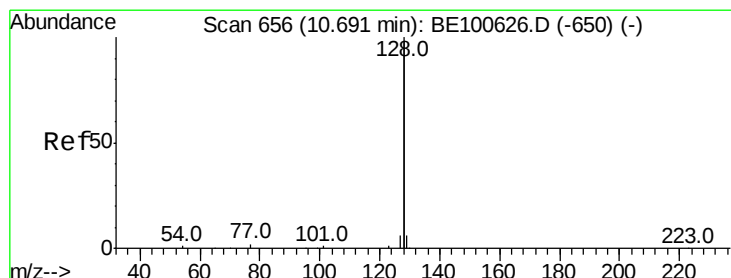
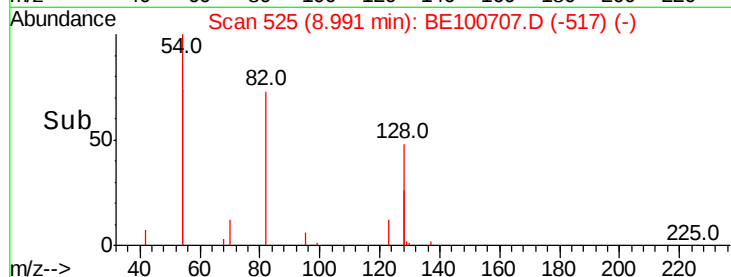
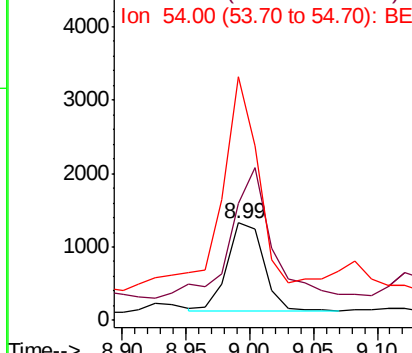


Abundance

Ion 82.00 (81.70 to 82.70): BE1

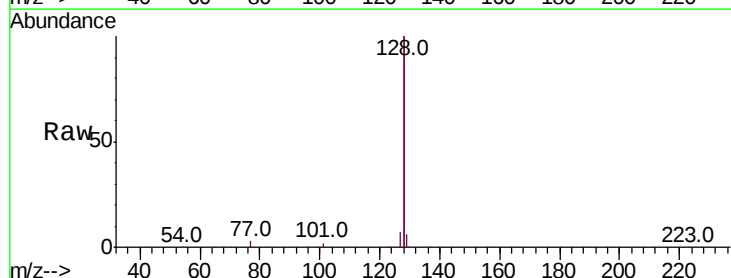
Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#9
 Naphthalene
 Concen: 8.314 ng
 RT: 10.68 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: BE100707.D
 Acq: 7 Nov 2019 18:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.3	3.5
127	3.4	2.7	4.1

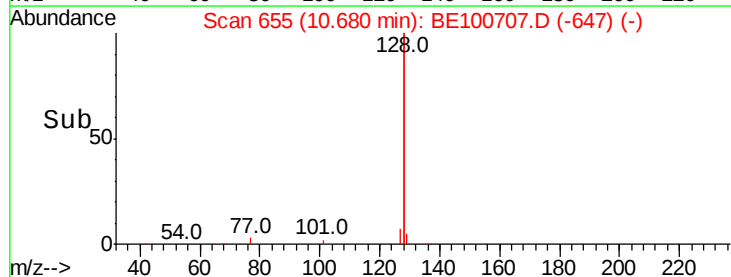
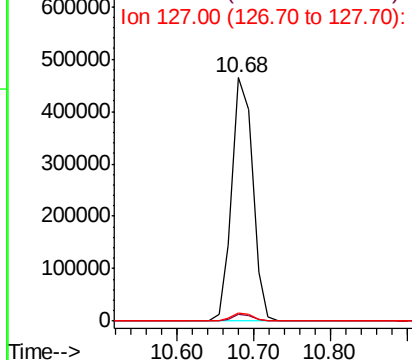


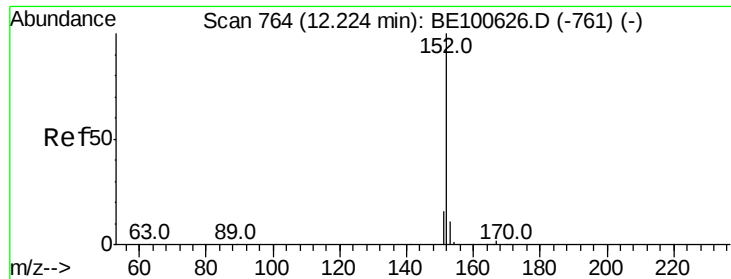
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





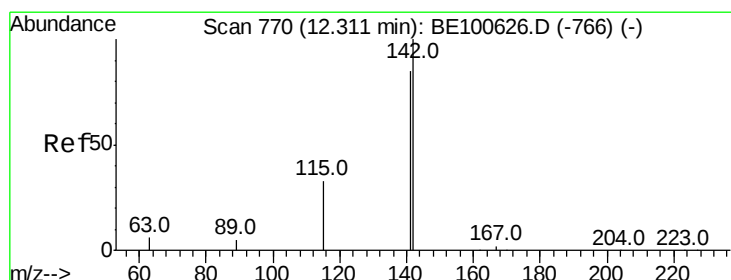
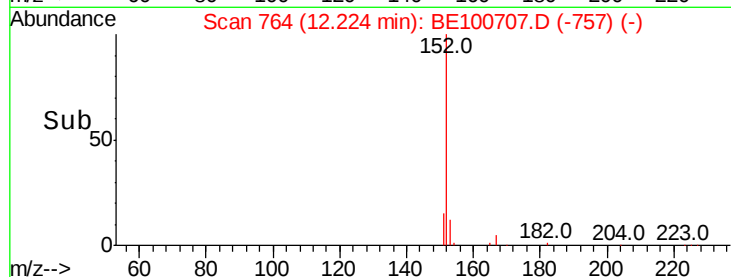
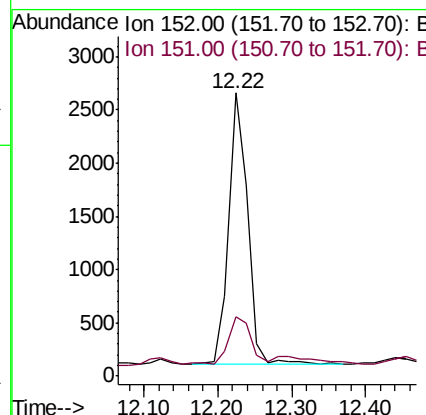
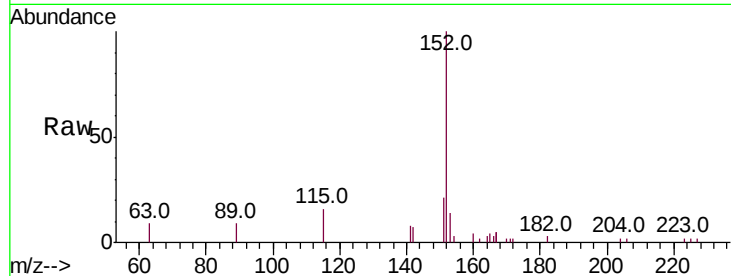
#11
2-Methylnaphthalene-d10
Concen: 0.284 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.00 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Instrument :
BNA_E
ClientSampleId :
SO-2

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.9	14.7	22.1

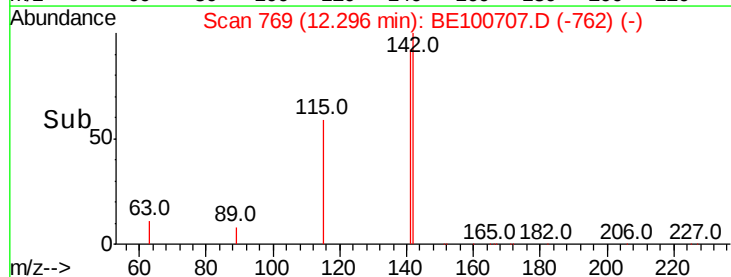
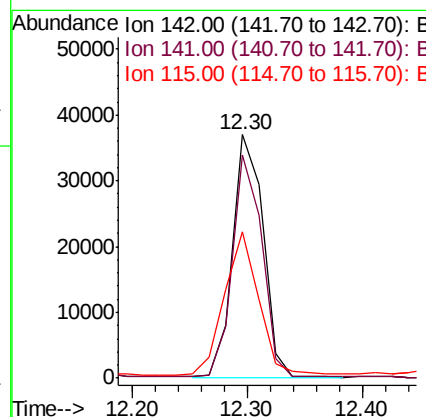
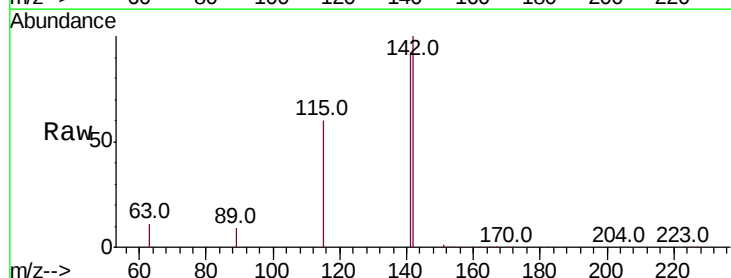
Manual Integrations
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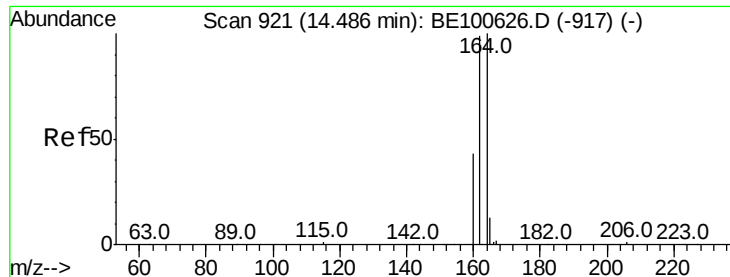
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#12
2-Methylnaphthalene
Concen: 3.757 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	70.1	105.1
115	60.1	28.3	42.5#





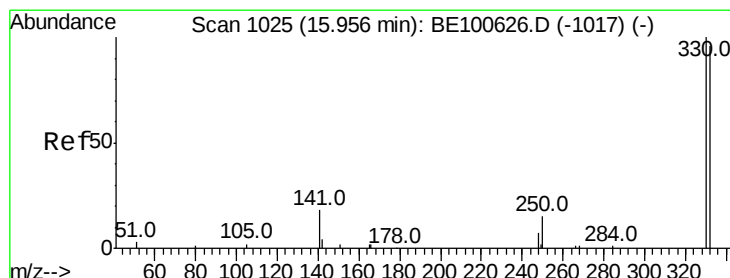
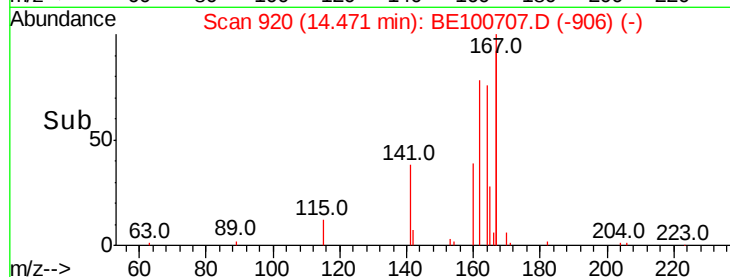
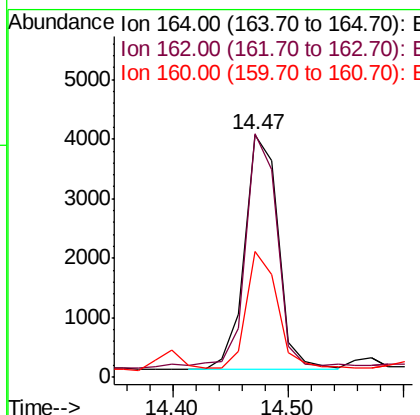
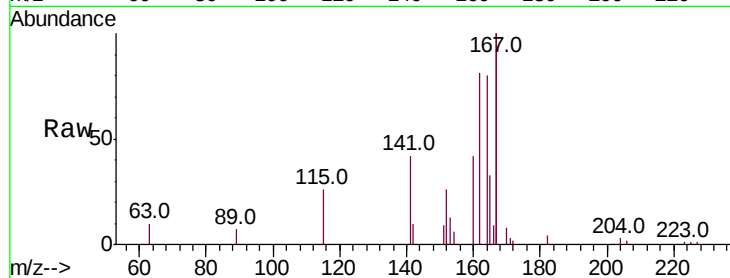
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Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Instrument :
BNA_E
ClientSampled :
SO-2

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.4	82.0	123.0
160	52.1	37.5	56.3

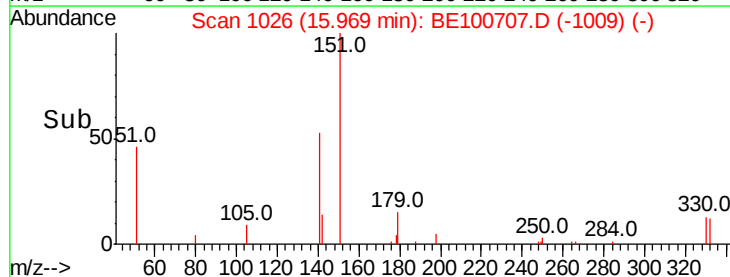
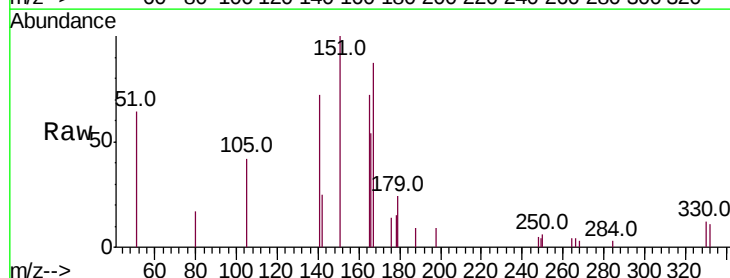
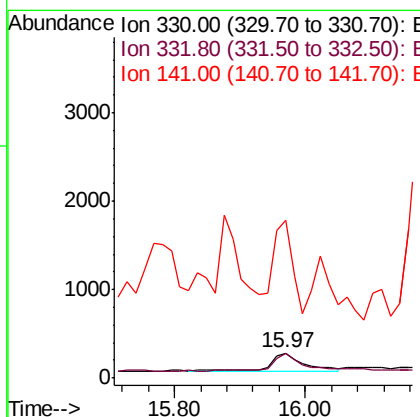
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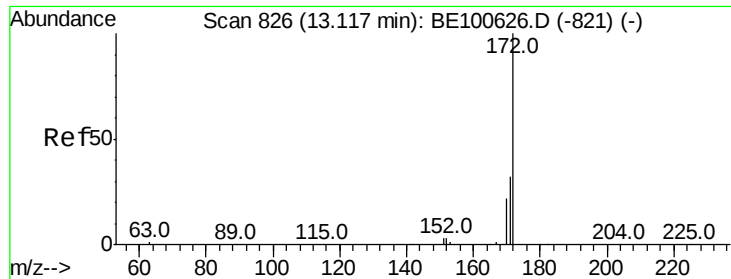
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#14
2,4,6-Tribromophenol
Concen: 0.312 ng
RT: 15.97 min Scan# 1026
Delta R.T. 0.03 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Tgt Ion	Ratio	Lower	Upper
330	100		
332	82.6	77.9	116.9
141	326.2	33.0	49.6#





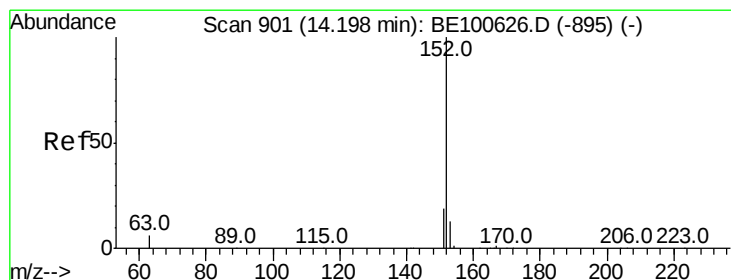
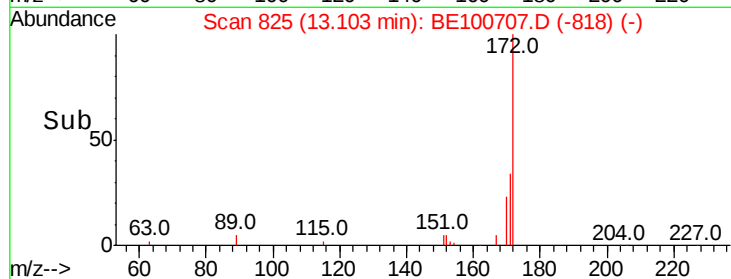
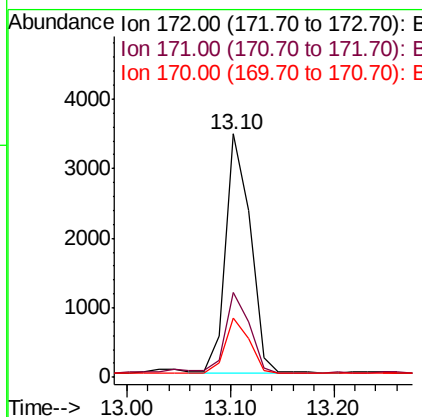
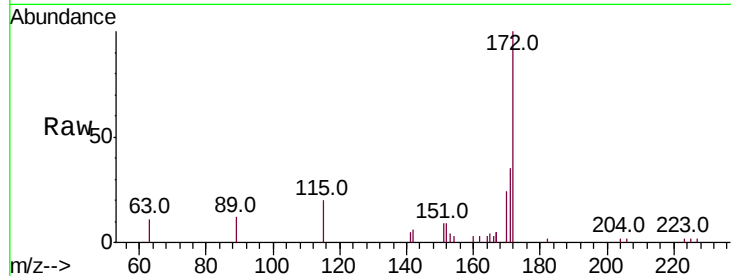
#15
2-Fluorobiphenyl
Concen: 0.196 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Instrument :
BNA_E
ClientSampleId :
SO-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	26.5	39.7
170	24.2	19.0	28.4

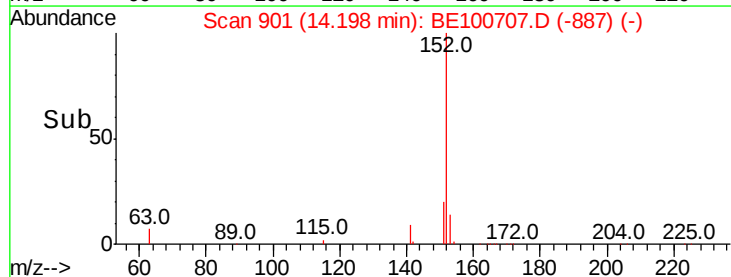
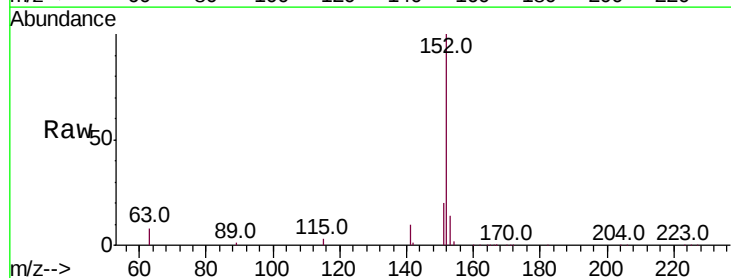
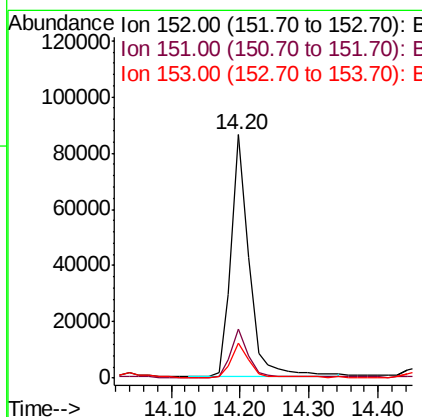
Manual Integrations
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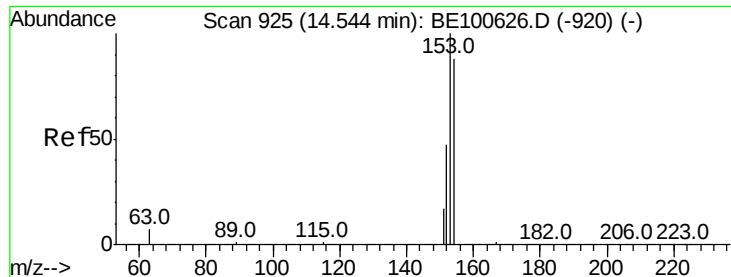
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#16
Acenaphthylene
Concen: 4.636 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.2	22.8
153	14.2	10.3	15.5





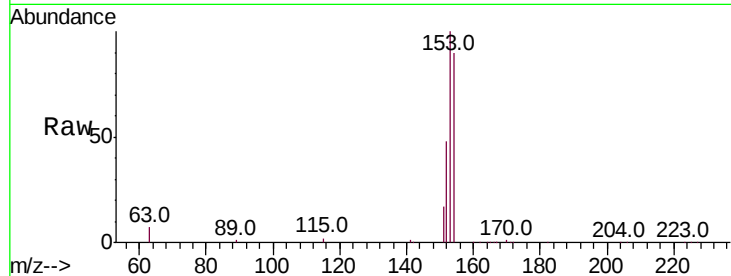
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Acenaphthene
Concen: 6.230 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Instrument :
BNA_E
ClientSampleId :
SO-2

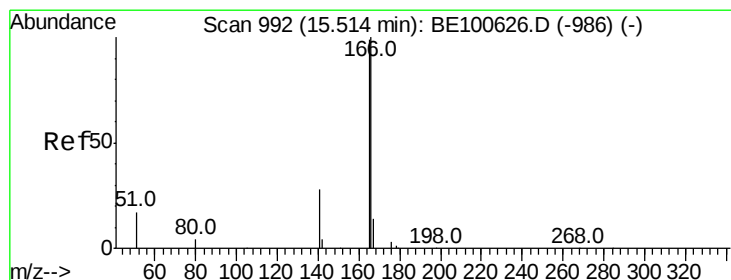
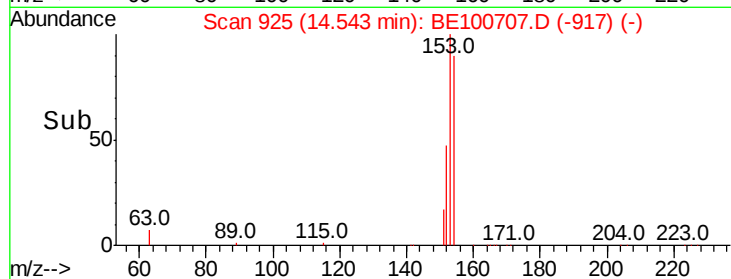
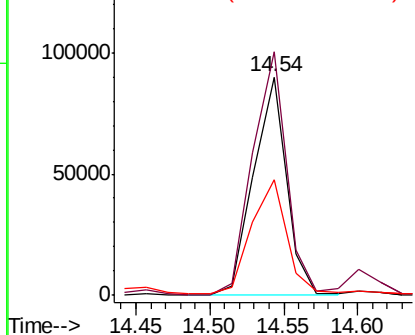
Tot Ion	Ratio	Lower	Upper
154	100		
153	115.4	89.4	134.2
152	56.0	44.1	66.1

Manual Integrations
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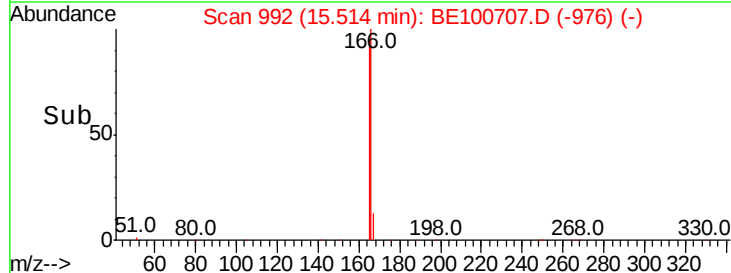
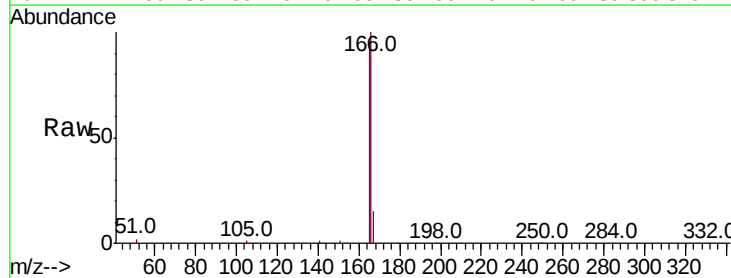
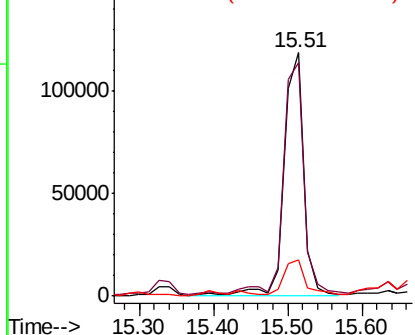
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

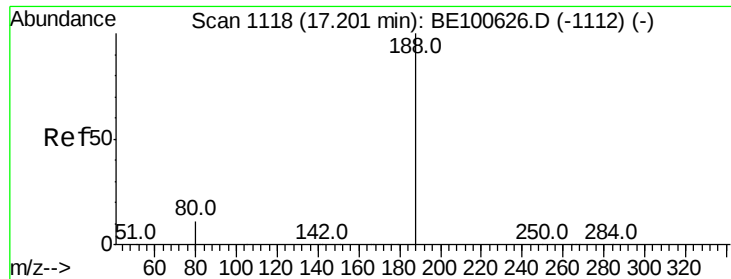


#18
Fluorene
Concen: 7.274 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.01 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.8	78.6	117.8
167	15.6	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: BE100707.D

Acq: 7 Nov 2019 18:35

Instrument :

BNA_E

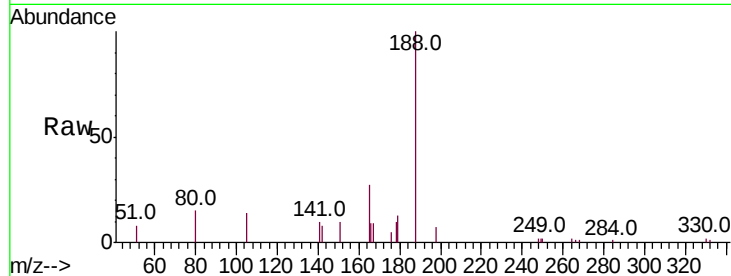
ClientSampleId :

SO-2

Tot Ion:	188	Resp:	16957
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	15.5	5.4	8.0#

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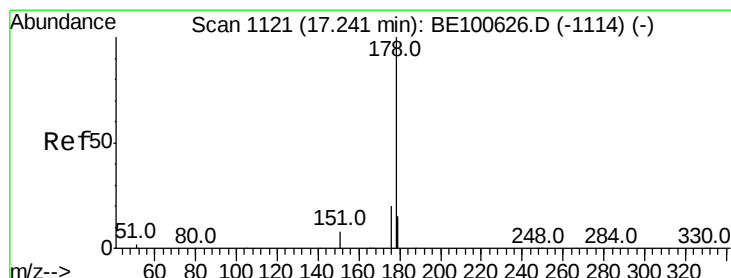
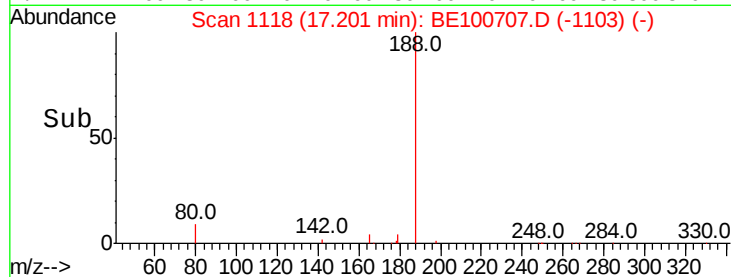
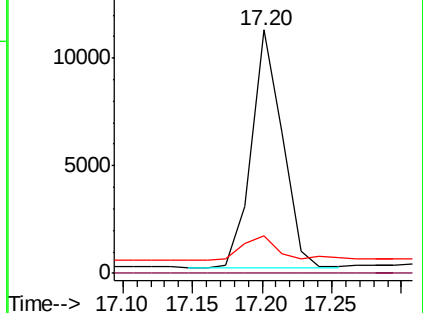
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#23

Phenanthrene

Concen: 66.032 ng

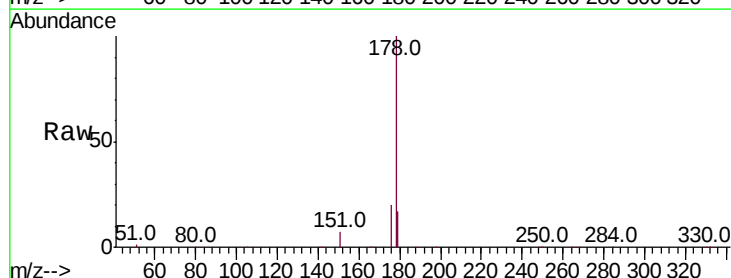
RT: 17.25 min Scan# 1122

Delta R.T. 0.01 min

Lab File: BE100707.D

Acq: 7 Nov 2019 18:35

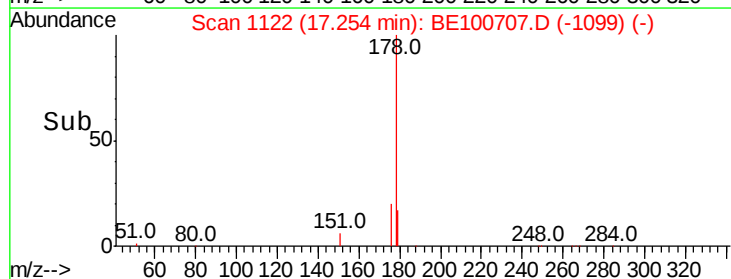
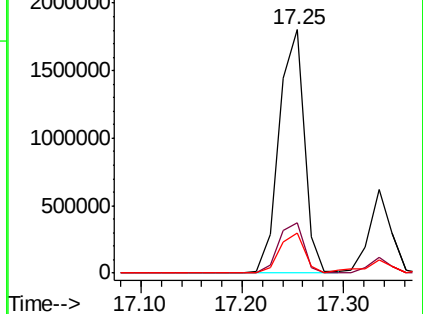
Tgt Ion:	178	Resp:	3079833
Ion Ratio	Lower	Upper	
178	100		
176	20.7	15.2	22.8
179	16.3	12.1	18.1

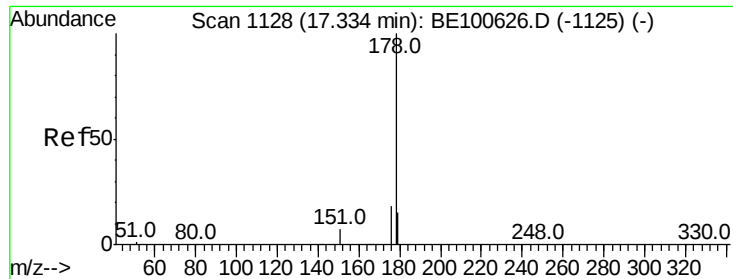


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 21.217 ng

RT: 17.33 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BE100707.D

Acq: 7 Nov 2019 18:35

Instrument :

BNA_E

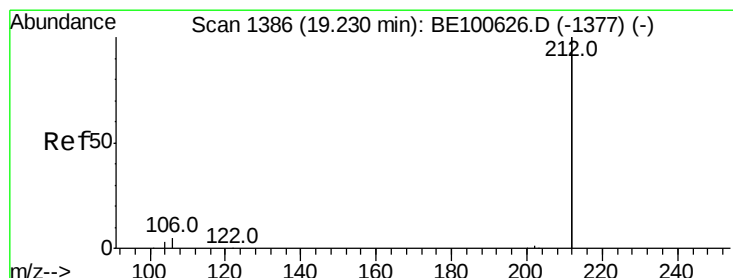
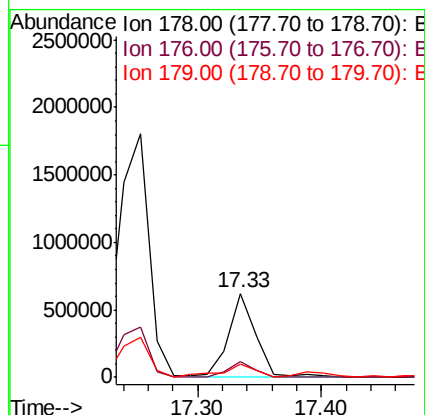
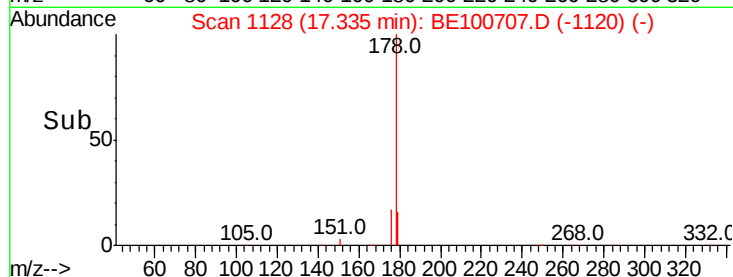
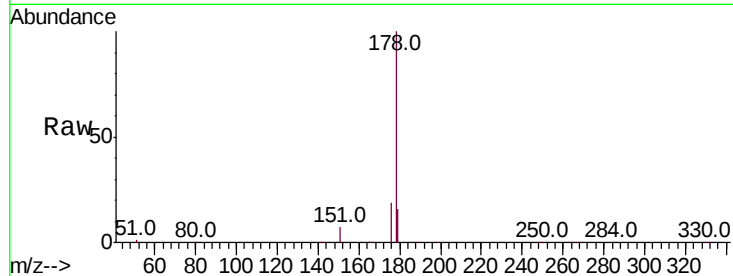
ClientSampled :

SO-2

Tot Ion:	178	Resp:	918234
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.0	22.4
179	18.4	12.5	18.7

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.225 ng

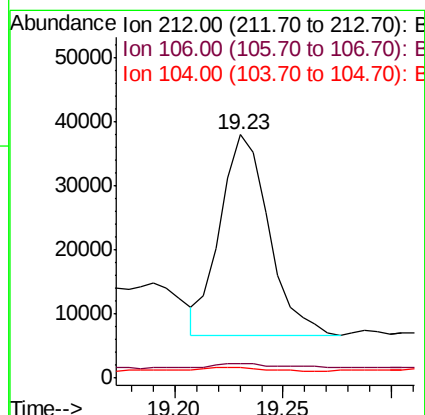
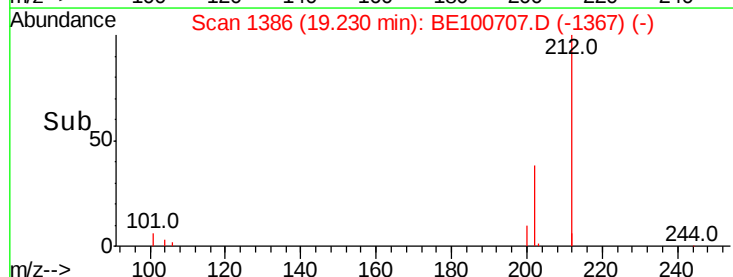
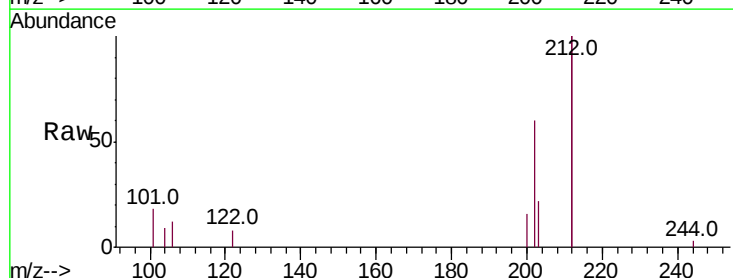
RT: 19.23 min Scan# 1386

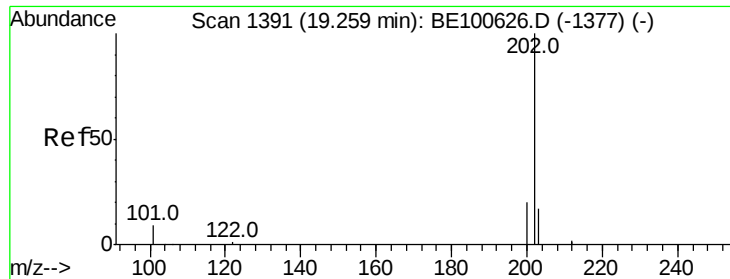
Delta R.T. 0.01 min

Lab File: BE100707.D

Acq: 7 Nov 2019 18:35

Tgt Ion:	212	Resp:	49331
Ion Ratio	Lower	Upper	
212	100		
106	3.5	2.3	3.5#
104	3.4	1.3	1.9#





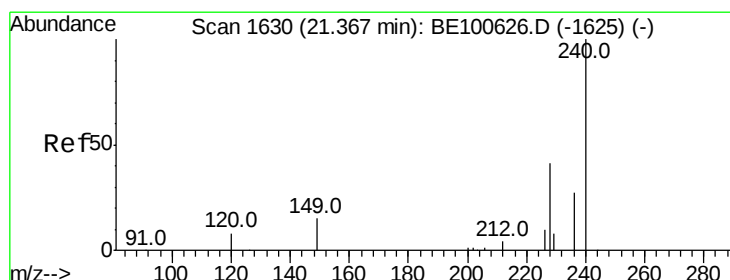
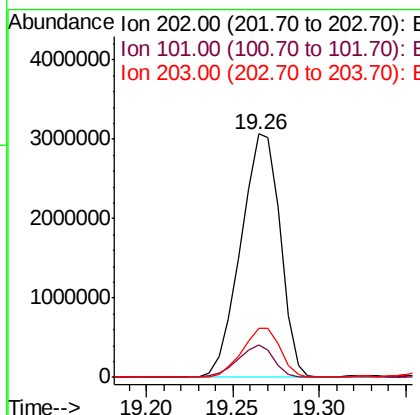
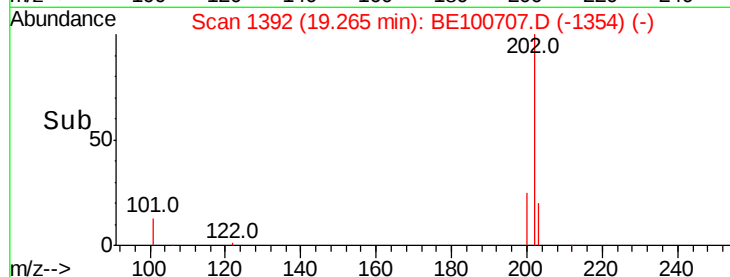
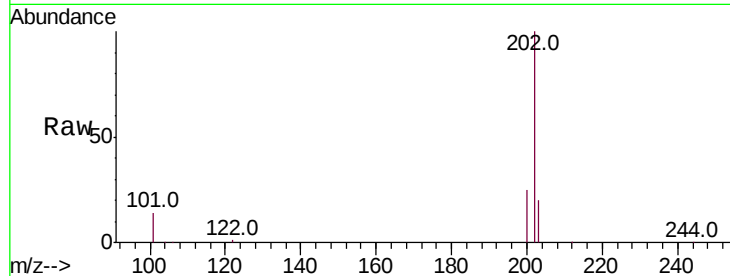
#26
Fluoranthene
Concen: 79.849 ng
RT: 19.26 min Scan# 1392
Delta R.T. 0.02 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Instrument :
BNA_E
ClientSampleId :
SO-2

Tot Ion:202 Resp: 4860819
Ion Ratio Lower Upper
202 100
101 12.0 8.5 12.7
203 19.4 13.8 20.8

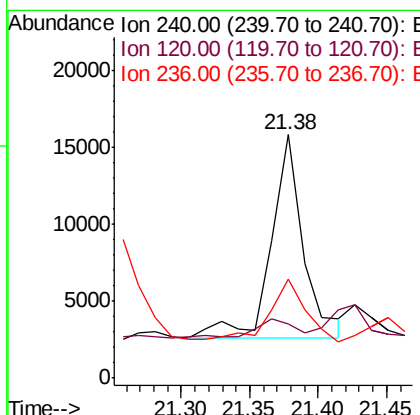
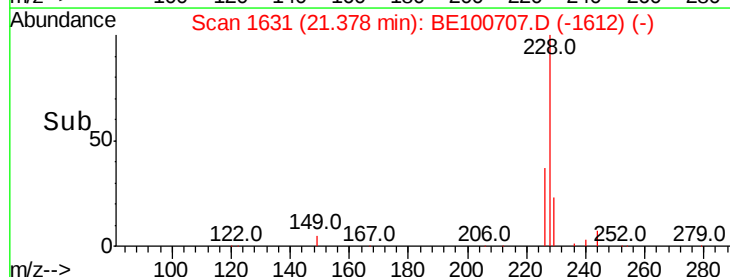
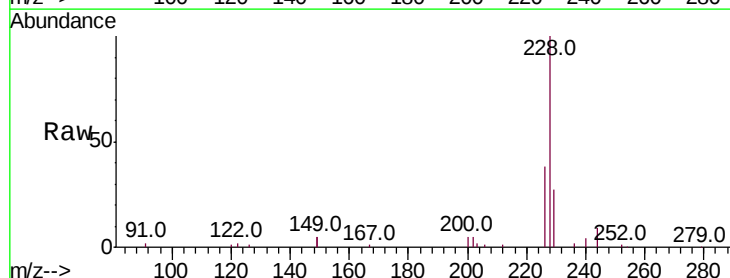
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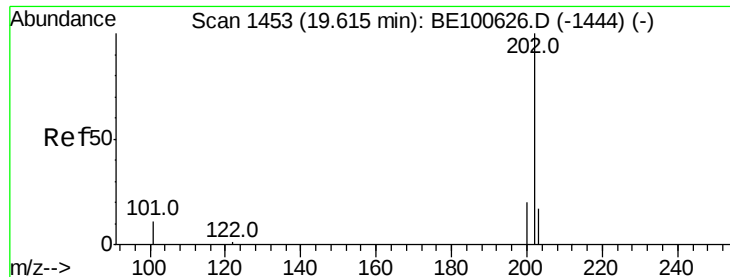
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.02 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Tgt Ion:240 Resp: 21687
Ion Ratio Lower Upper
240 100
120 22.2 7.6 11.4#
236 40.9 22.1 33.1#





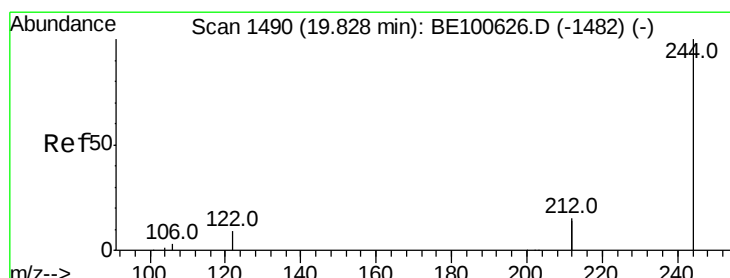
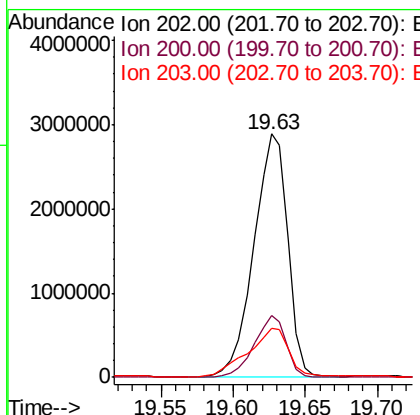
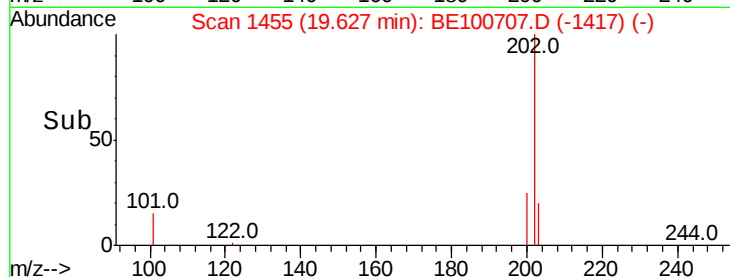
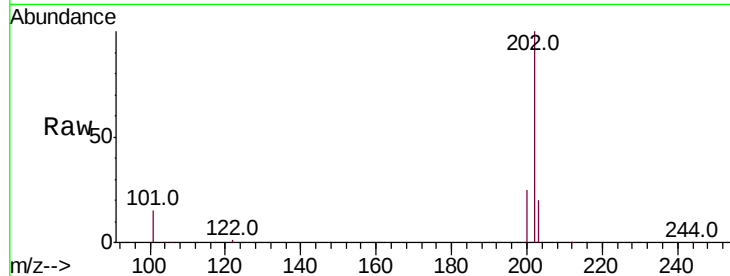
#28
Pvrene
Concen: 78.221 ng
RT: 19.63 min Scan# 1455
Delta R.T. 0.02 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Instrument :
BNA_E
ClientSampleId :
SO-2

Tot Ion:202 Resp: 4739440
Ion Ratio Lower Upper
202 100
200 23.9 16.7 25.1
203 24.3 14.0 21.0#

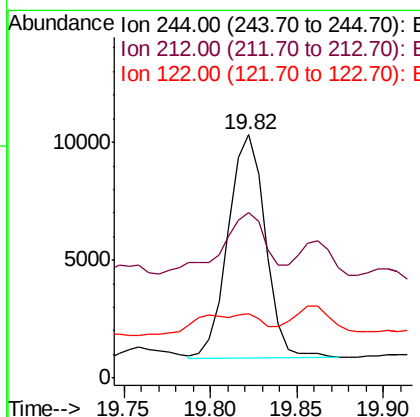
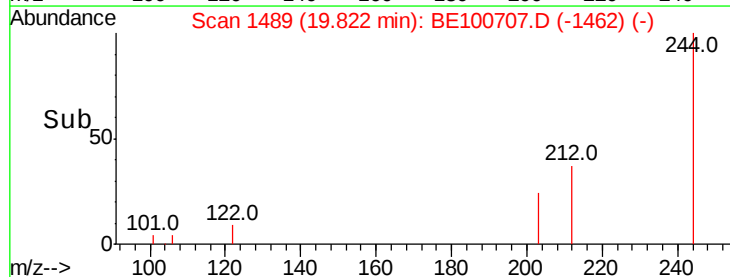
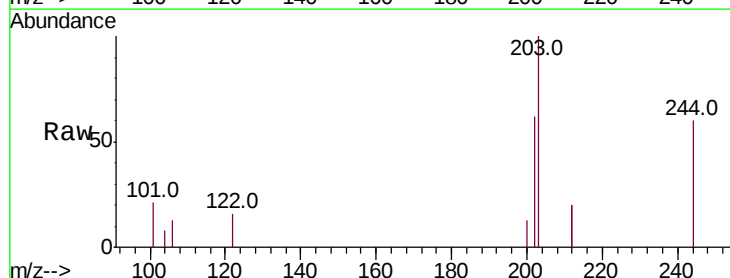
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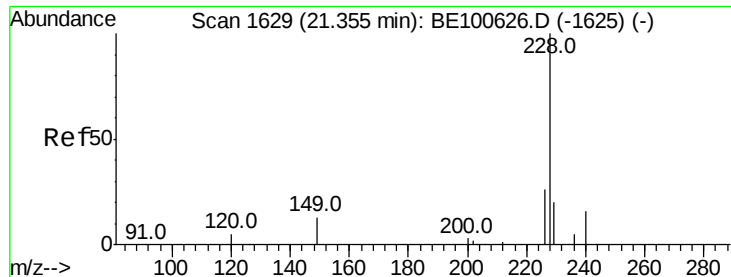
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#29
Terphenyl-d14
Concen: 0.300 ng
RT: 19.82 min Scan# 1489
Delta R.T. 0.01 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Tgt Ion:244 Resp: 14220
Ion Ratio Lower Upper
244 100
212 67.8 23.7 35.5#
122 26.4 7.9 11.9#





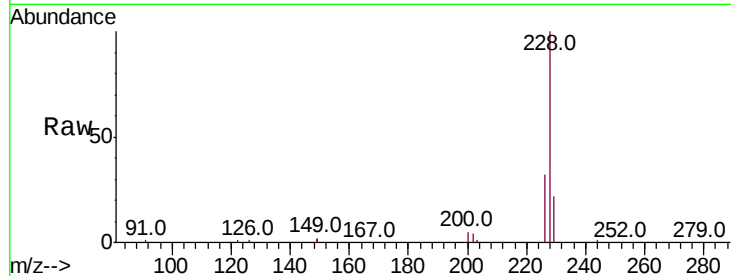
#30
Benzo(a)anthracene
Concen: 44.689 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Instrument :
BNA_E
ClientSampled :
SO-2

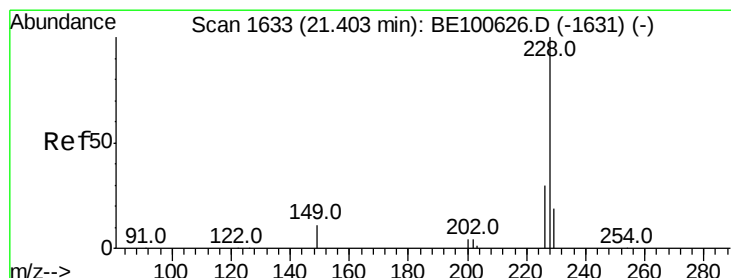
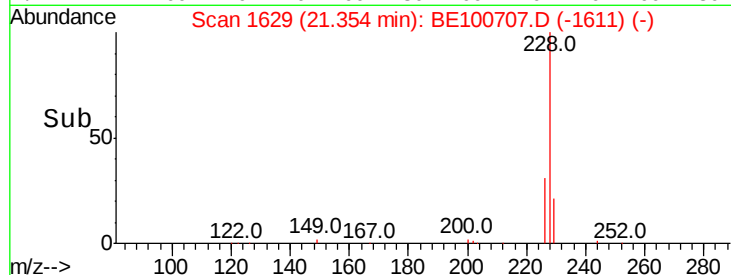
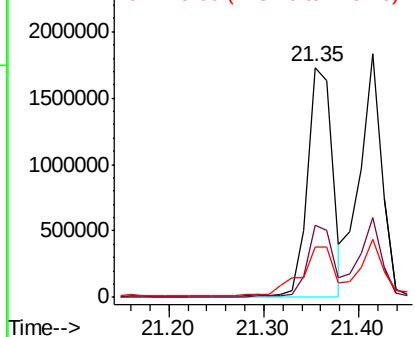
Tot Ion:228 Resp: 3161481
Ion Ratio Lower Upper
228 100
226 31.6 21.4 32.0
229 21.9 16.0 24.0

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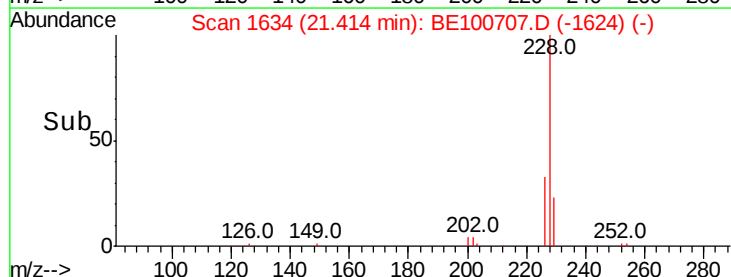
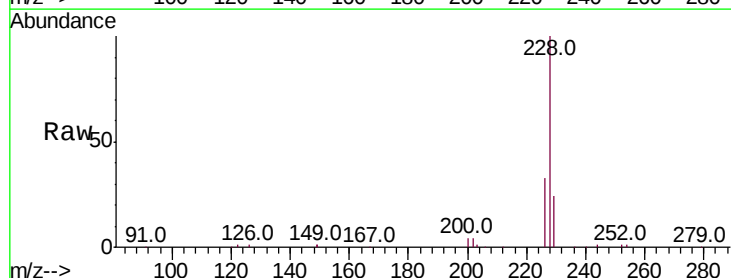
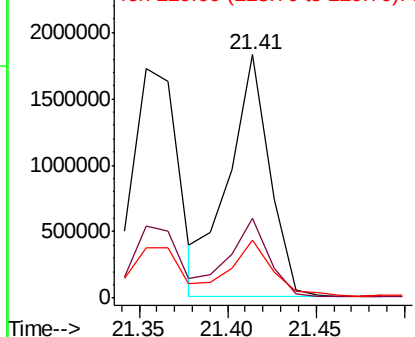
Abundance Ion 228.00 (227.70 to 228.70): E
2500000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

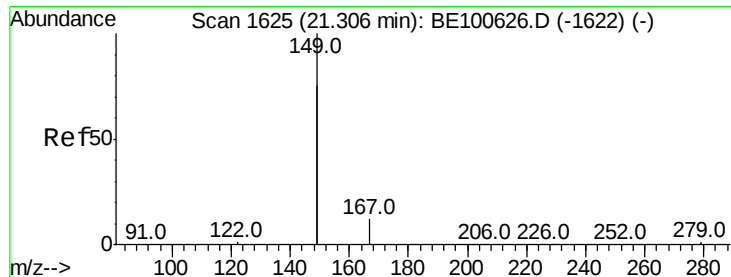


#31
Chrysene
Concen: 41.629 ng m
RT: 21.41 min Scan# 1634
Delta R.T. 0.02 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Tgt Ion:228 Resp: 2943158
Ion Ratio Lower Upper
228 100
226 33.0 24.6 37.0
229 23.6 15.8 23.8

Abundance Ion 228.00 (227.70 to 228.70): E
2500000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.665 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE100707.D

Acq: 7 Nov 2019 18:35

Instrument :

BNA_E

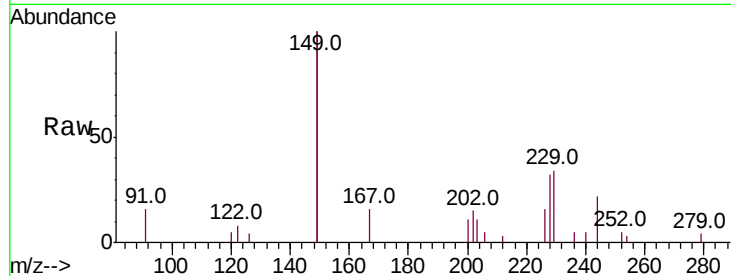
ClientSampled :

SO-2

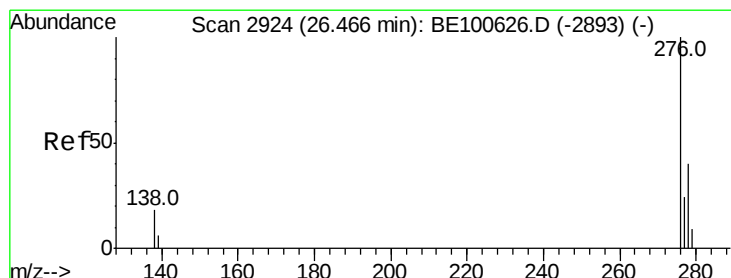
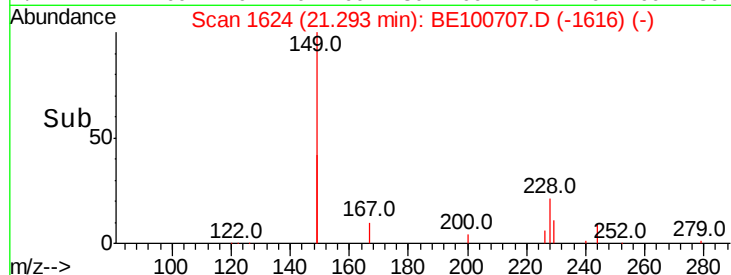
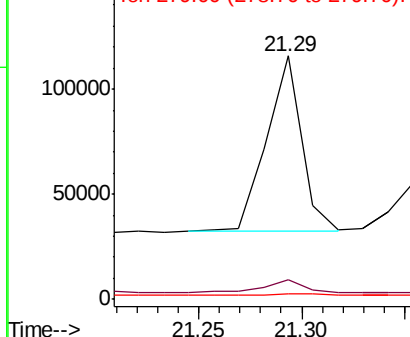
Tot Ion:	149	Resp:	98403
Ion Ratio	Lower	Upper	
149	100		
167	8.6	5.5	8.3#
279	1.8	0.9	1.3#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 27.983 ng

RT: 26.52 min Scan# 2940

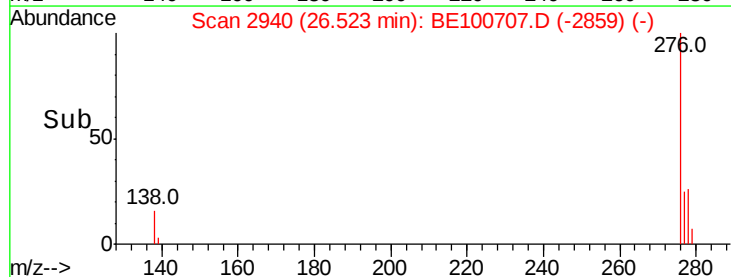
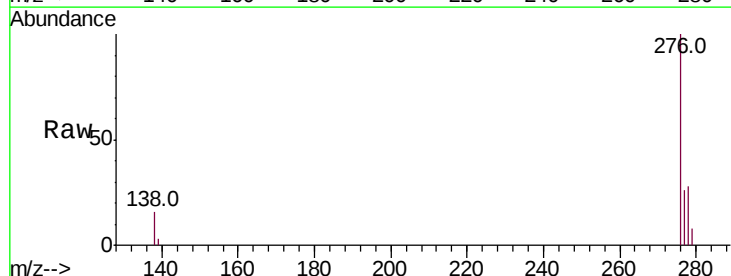
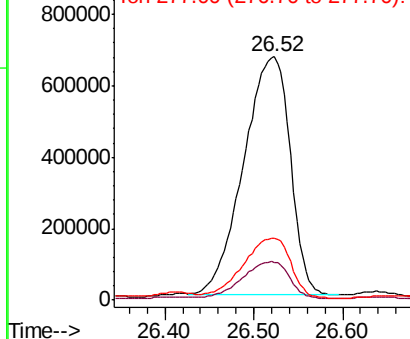
Delta R.T. 0.09 min

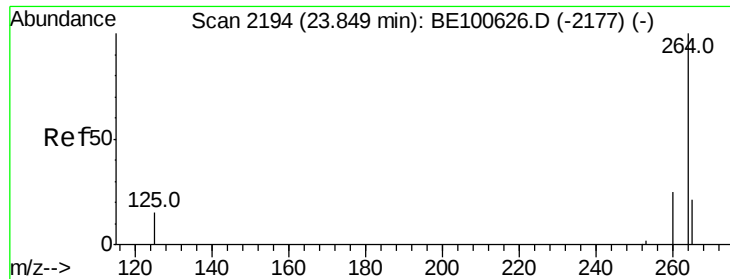
Lab File: BE100707.D

Acq: 7 Nov 2019 18:35

Tgt Ion:	276	Resp:	2431499
Ion Ratio	Lower	Upper	
276	100		
138	15.6	15.3	22.9
277	25.7	19.4	29.2

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





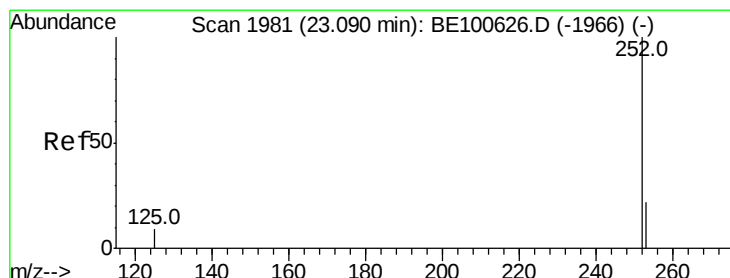
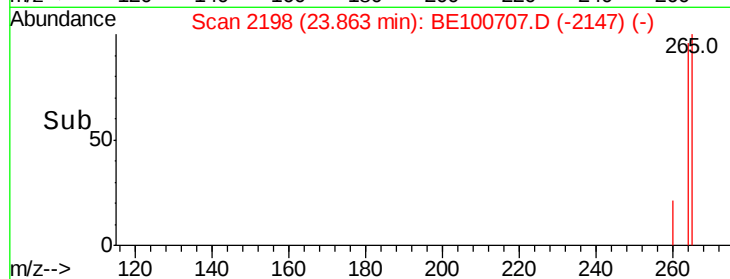
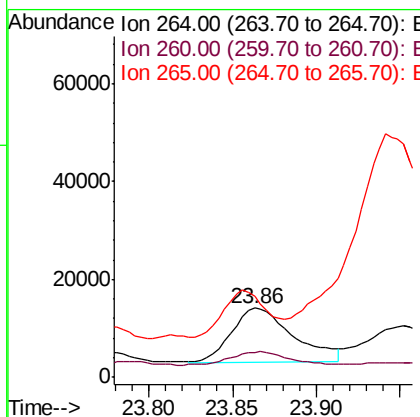
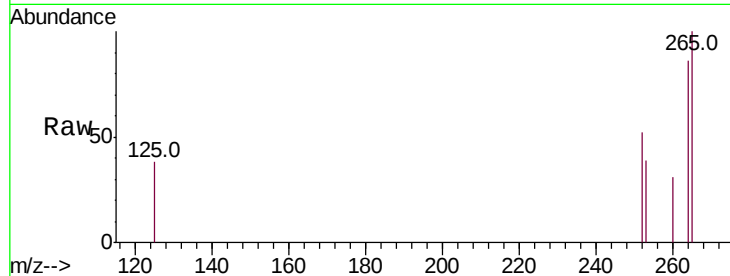
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2198
Delta R.T. 0.03 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Instrument :
BNA_E
ClientSampleId :
SO-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	36.6	19.4	29.2
265	116.7	21.7	32.5

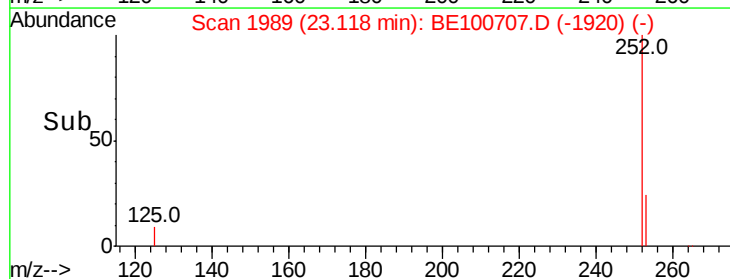
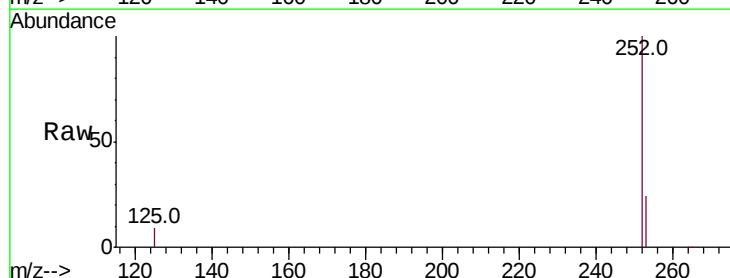
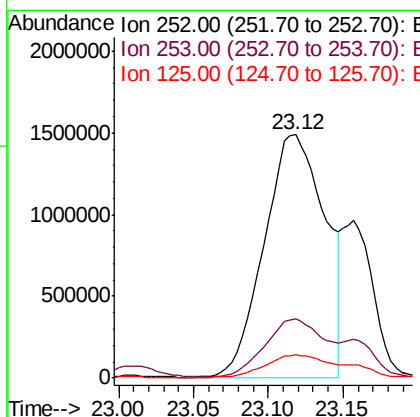
Manual Integrations
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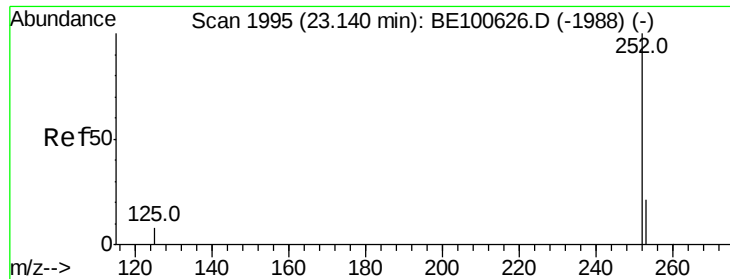
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#35
Benzo(b)fluoranthene
Concen: 50.182 ng
RT: 23.12 min Scan# 1989
Delta R.T. 0.05 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	9.4	7.6	11.4





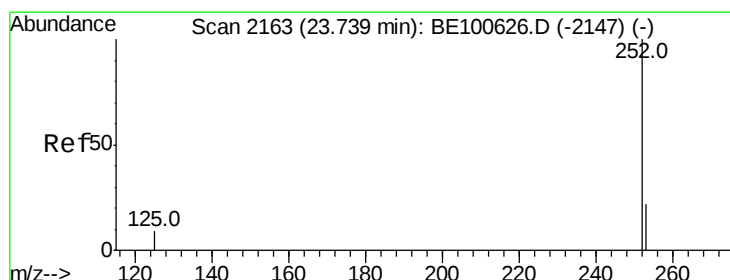
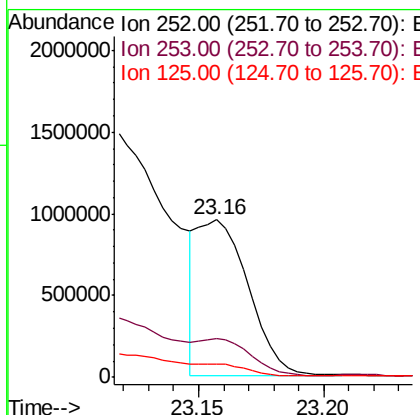
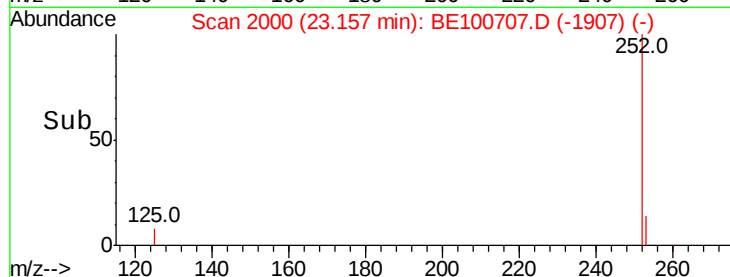
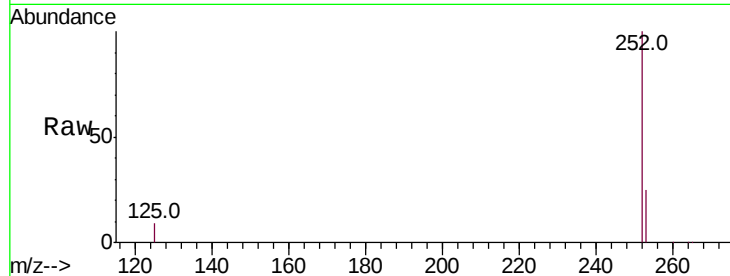
#36
Benzo(k)fluoranthene
Concen: 15.511 ng m
RT: 23.16 min Scan# 2000
Delta R.T. 0.03 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Instrument :
BNA_E
ClientSampleId :
SO-2

Tot Ion:252 Resp: 1334542
Ion Ratio Lower Upper
252 100
253 24.8 18.4 27.6
125 8.7 11.6 17.4#

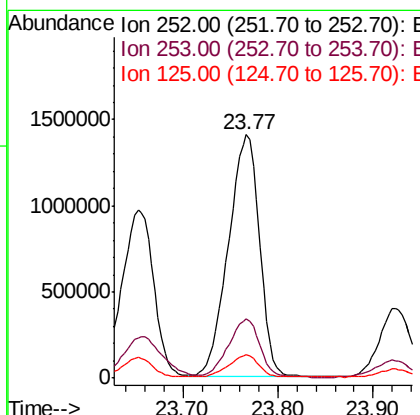
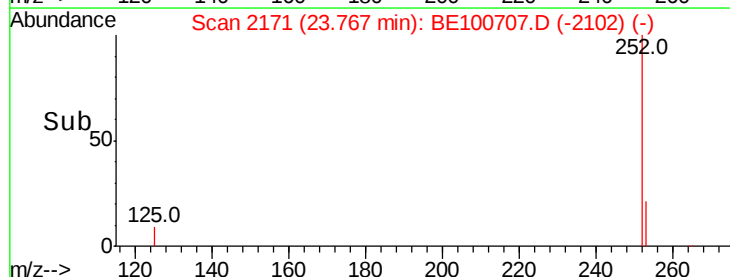
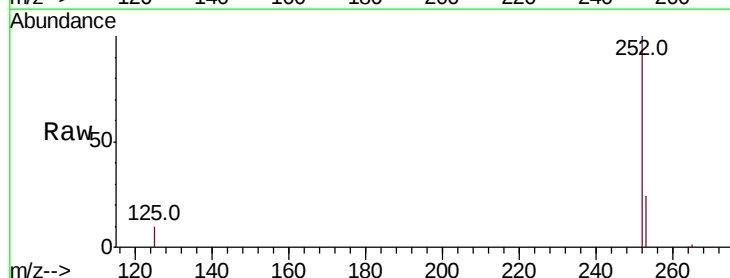
Manual Integrations
APPROVED

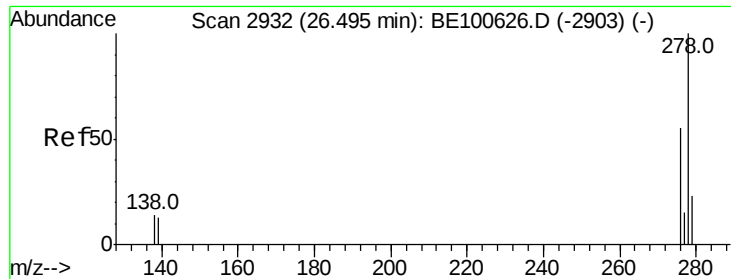
Sohil
11/8/2019 3:32:28 PM



#37
Benzo(a)pyrene
Concen: 40.807 ng
RT: 23.77 min Scan# 2171
Delta R.T. 0.05 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Tgt Ion:252 Resp: 3177727
Ion Ratio Lower Upper
252 100
253 24.3 18.4 27.6
125 9.5 8.2 12.4





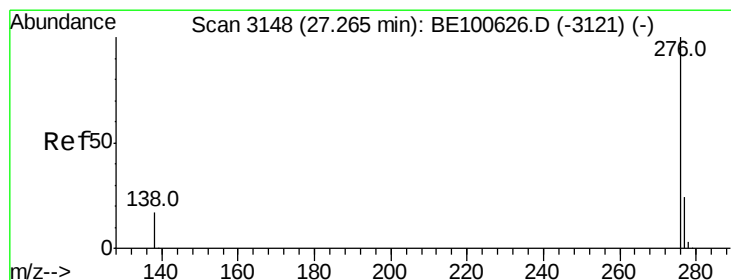
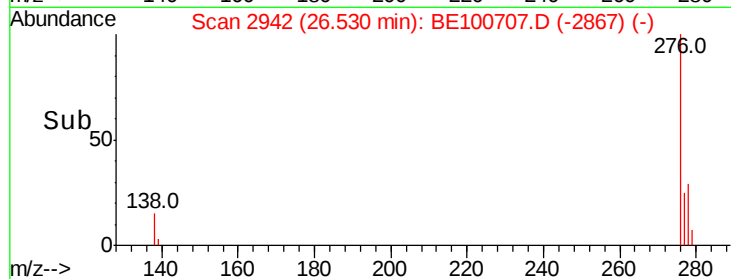
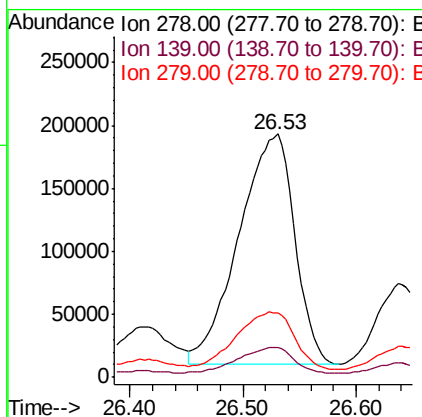
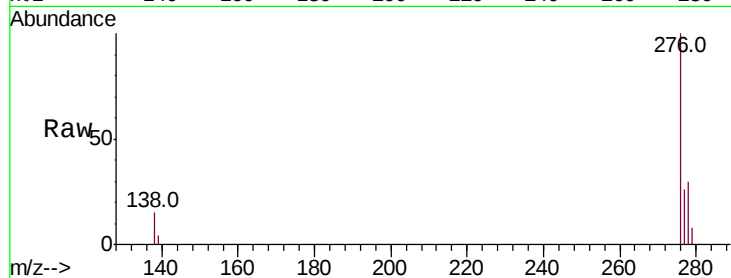
#38
Dibenzo(a,h)anthracene
Concen: 7.834 ng
RT: 26.53 min Scan# 2942
Delta R.T. 0.07 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Instrument :
BNA_E
ClientSampled :
SO-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.2	10.9	16.3
279	26.7	19.4	29.2

Manual Integrations
APPROVED

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



#39
Benzo(g,h,i)perylene
Concen: 30.765 ng
RT: 27.33 min Scan# 3167
Delta R.T. 0.10 min
Lab File: BE100707.D
Acq: 7 Nov 2019 18:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.4	29.0
138	15.8	13.6	20.4

