

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110819\
 Data File : BE100717.D
 Acq On : 8 Nov 2019 14:57
 Operator : JU
 Sample : K5725-04DL2 50X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SO-4DL2

Manual Integrations
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 11/11/2019 8:09:55 AM

Quant Time: Nov 08 15:42:18 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	2231	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	10841	0.40	ng	0.01
13) Acenaphthene-d10	14.47	164	7676	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	16166	0.40	ng	0.00
27) Chrysene-d12	21.37	240	17104	0.40	ng	0.01
34) Perylene-d12	23.85	264	19350	0.40	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	42	0.01	ng	0.01
5) Phenol-d6	7.03	99	70	0.01	ng	0.02
8) Nitrobenzene-d5	8.99	82	498	0.07	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	222	0.01	ng	0.01
14) 2,4,6-Tribromophenol	15.96	330	9	0.00	ng	0.01
15) 2-Fluorobiphenyl	13.10	172	76	0.00	ng	0.00
25) Fluoranthene-d10	19.22	212	1221	0.01	ng	0.00
29) Terphenyl-d14	19.82	244	381	0.01	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.68	128	33361	0.293	ng	# 98
12) 2-Methylnaphthalene	12.30	142	10187	0.524	ng	# 89
16) Acenaphthylene	14.20	152	7928	0.240	ng	# 79
17) Acenaphthene	14.54	154	3966	0.186	ng	# 64
18) Fluorene	15.51	166	6846	0.241	ng	# 62
23) Phenanthrene	17.24	178	57219	1.287	ng	# 94
24) Anthracene	17.34	178	13420	0.325	ng	# 80
26) Fluoranthene	19.26	202	115776	1.995	ng	100
28) Pyrene	19.62	202	120187	2.515	ng	# 94
30) Benzo(a)anthracene	21.34	228	67205	1.205	ng	96
31) Chrysene	21.40	228	64326	1.154	ng	97
32) Bis(2-ethylhexyl)phthalate	21.28	149	10962	0.094	ng	100
33) Indeno(1,2,3-cd)pyrene	26.47	276	61906	0.903	ng	96
35) Benzo(b)fluoranthene	23.09	252	107148	1.899	ng	99
36) Benzo(k)fluoranthene	23.13	252	37108m	0.639	ng	
37) Benzo(a)pyrene	23.74	252	74386	1.416	ng	99
38) Dibenzo(a,h)anthracene	26.48	278	14296	0.263	ng	# 86
39) Benzo(a,h,i)perylene	27.28	276	64766	1.186	ng	99

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

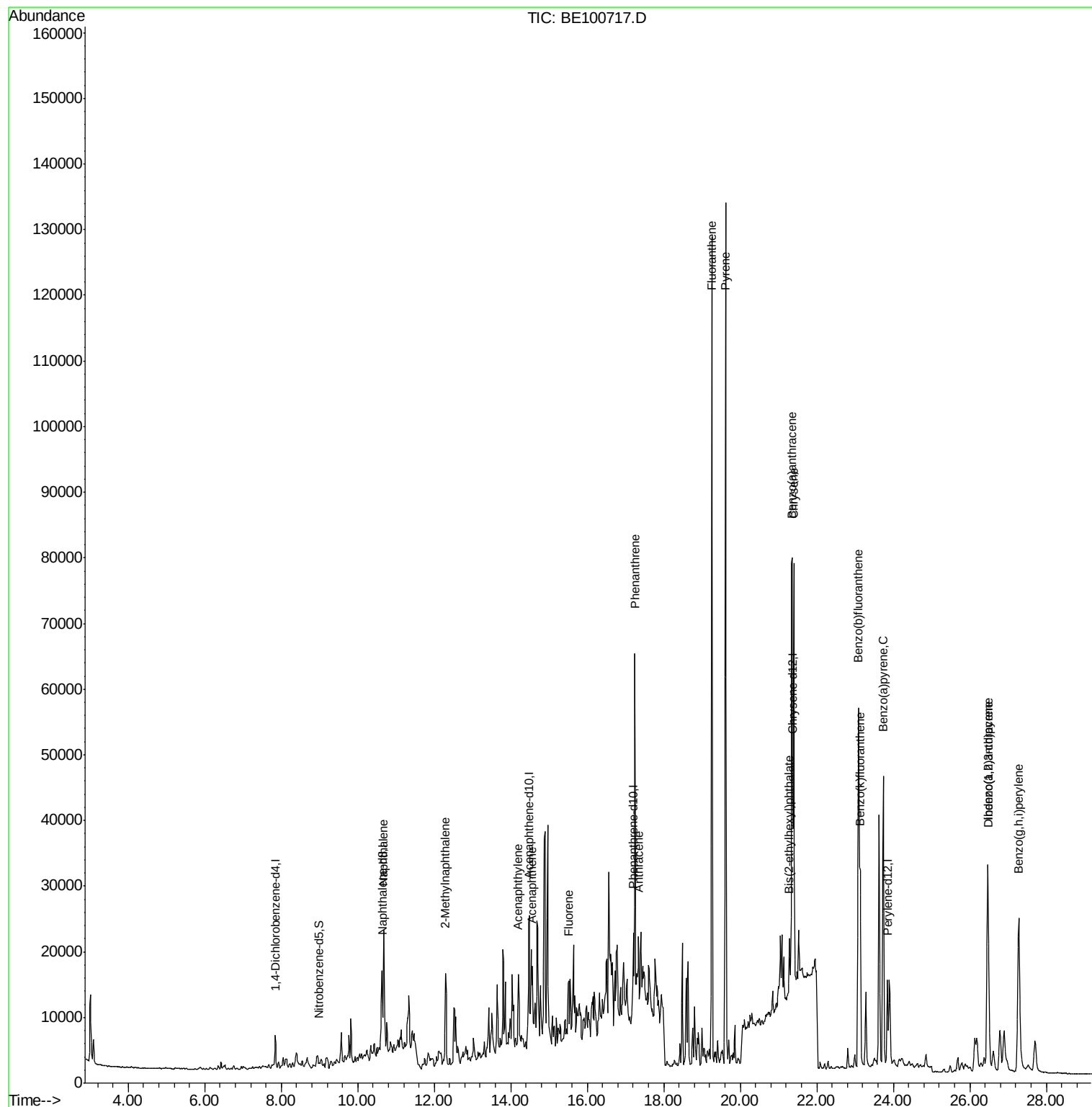
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110819\
Data File : BE100717.D
Acq On : 8 Nov 2019 14:57
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Sample : K5725-04DL2 50X
Misc :
ALS Vial : 8 Sample Multiplier: 1

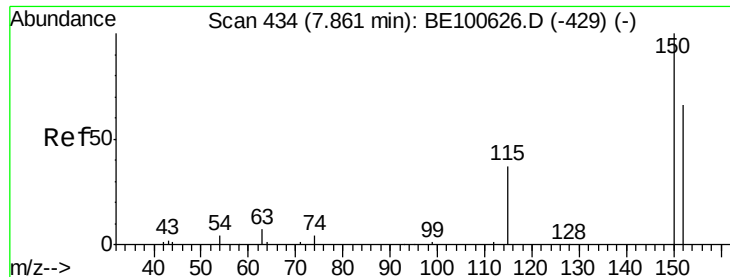
Instrument :
BNA_E
ClientSampleId :
SO-4DL2

Quant Time: Nov 08 15:42:18 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
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#1

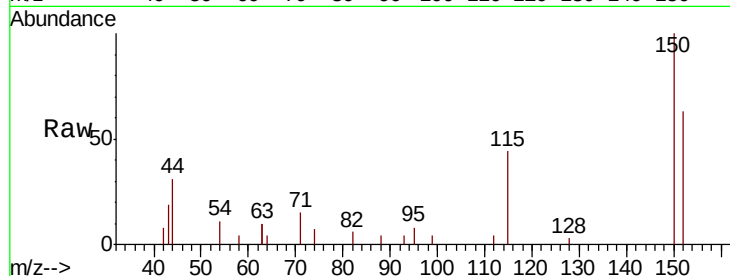
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.00 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Instrument :
BNA_E
ClientSampled :
SO-4DL2

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	123.3	184.9
115	69.8	51.9	77.9

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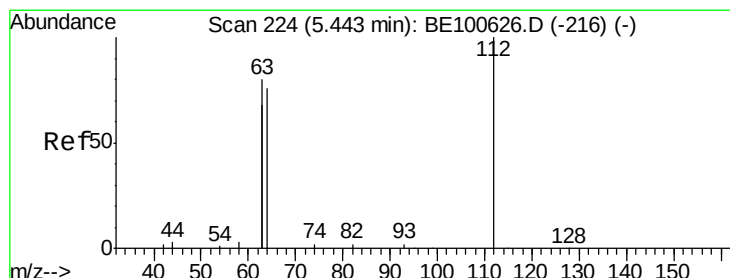
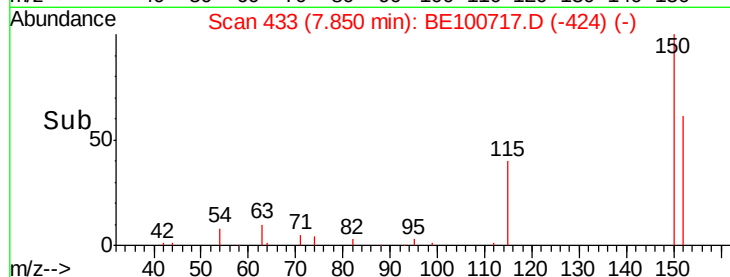
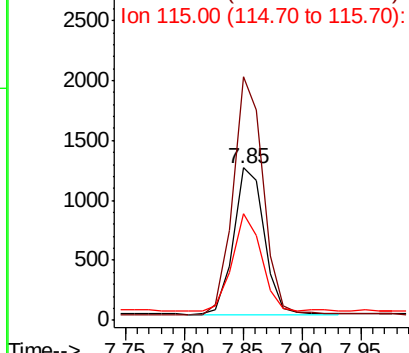


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

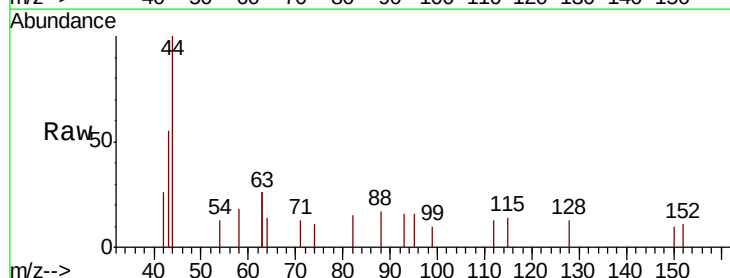
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.006 ng
RT: 5.45 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.4	55.4	83.2#
63	223.8	114.2	171.4#

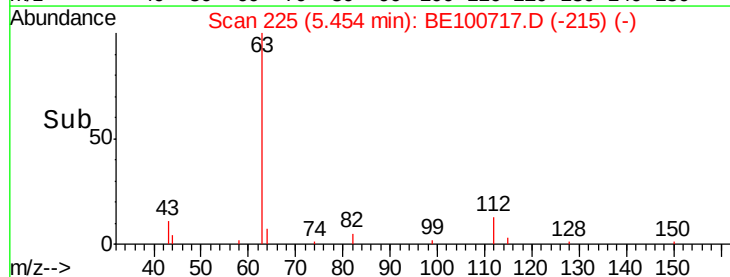
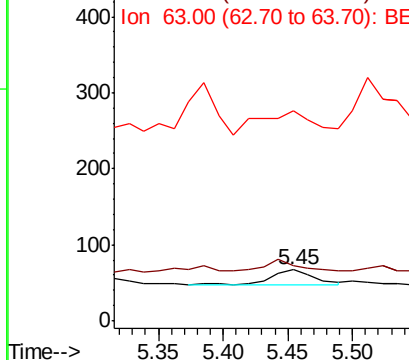


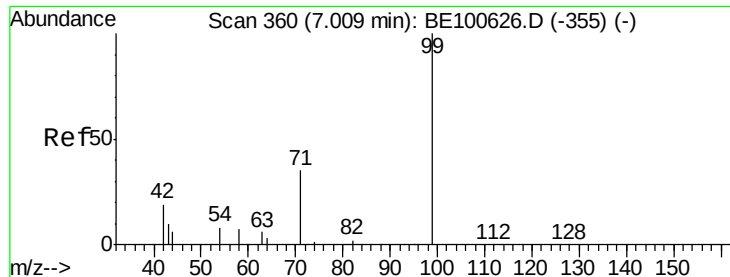
Abundance

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: 0.007 ng

RT: 7.03 min Scan# 362

Delta R.T. 0.02 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

Instrument :

BNA_E

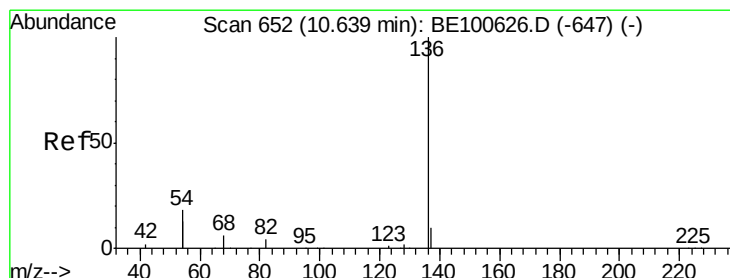
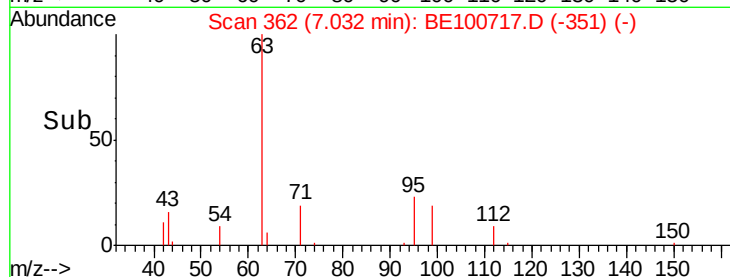
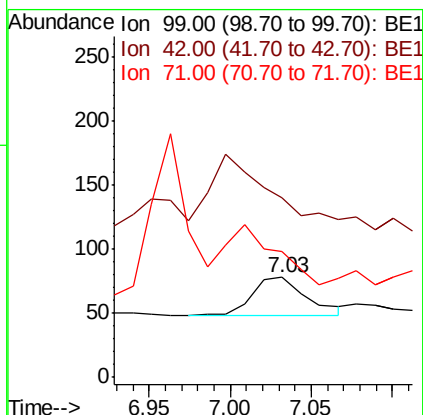
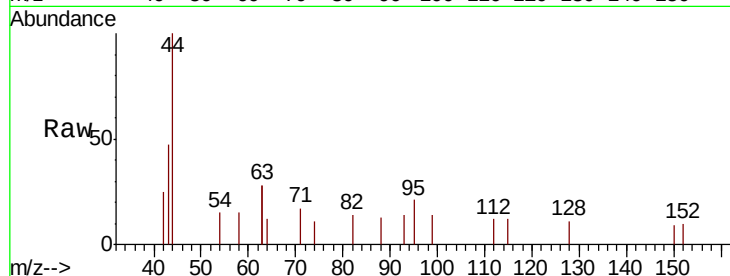
ClientSampleId :

SO-4DL2

Tot Ion:	99	Resp:	70
Ion	Ratio	Lower	Upper
99	100		
42	0.0	17.7	26.5#
71	0.0	27.4	41.0#

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#7

Naphthalene-d8

Concen: 0.400 ng

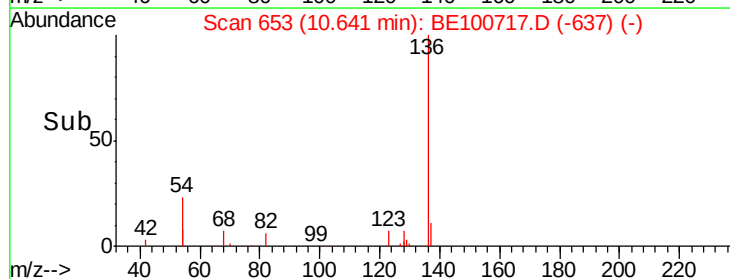
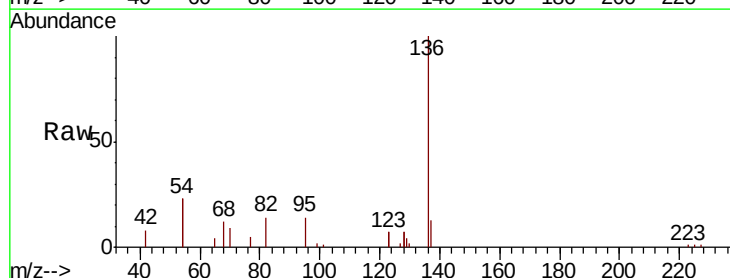
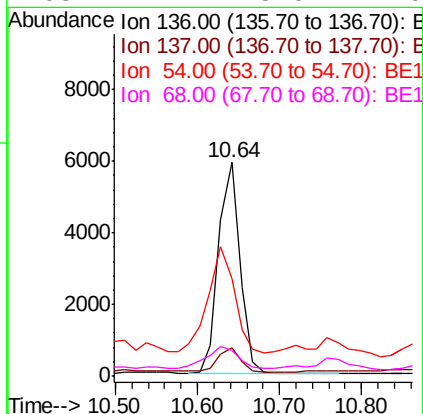
RT: 10.64 min Scan# 653

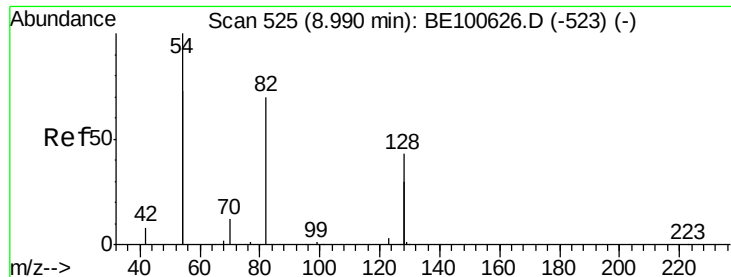
Delta R.T. 0.01 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

Tgt Ion:	136	Resp:	10841
Ion	Ratio	Lower	Upper
136	100		
137	13.0	9.2	13.8
54	45.3	39.4	59.2
68	12.2	8.0	12.0#





#8

Nitrobenzene-d5

Concen: 0.074 ng

RT: 8.99 min Scan# 526

Delta R.T. 0.00 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

Instrument :

BNA_E

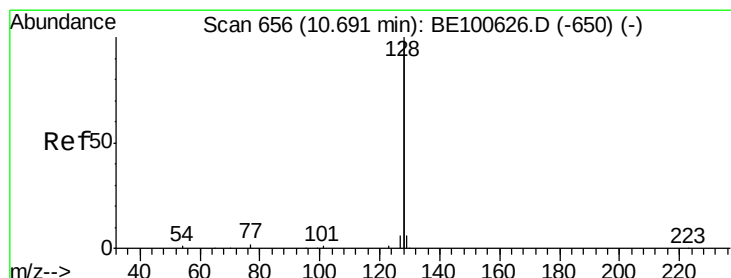
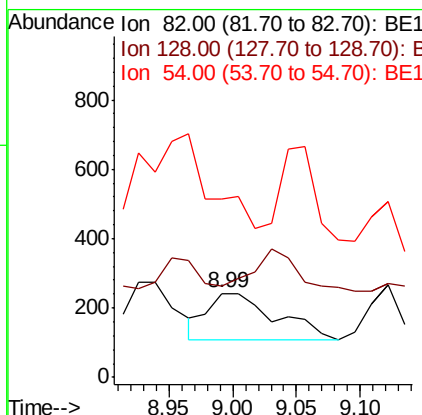
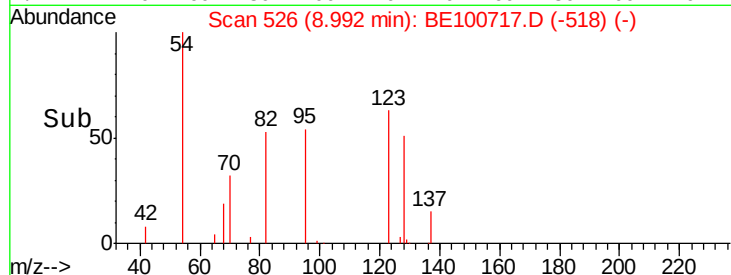
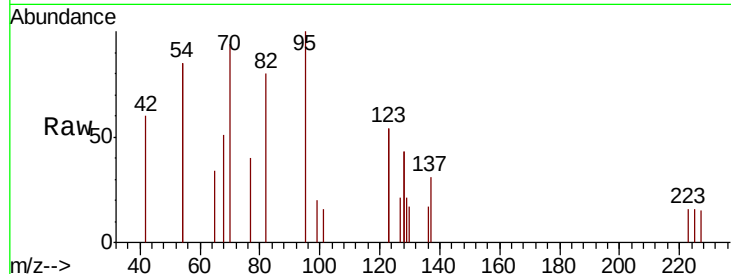
ClientSampled :

SO-4DL2

Tot Ion:	82	Resp:	498
Ion	Ratio	Lower	Upper
82	100		
128	108.6	107.8	161.8
54	211.5	166.1	249.1

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#9

Naphthalene

Concen: 0.293 ng

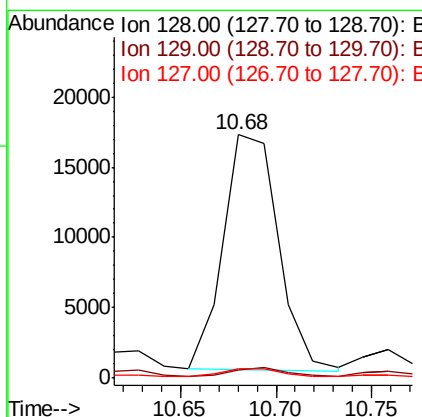
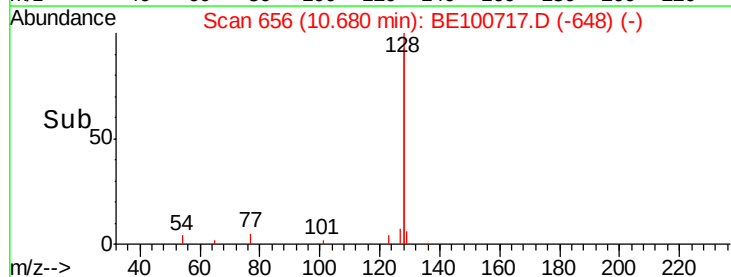
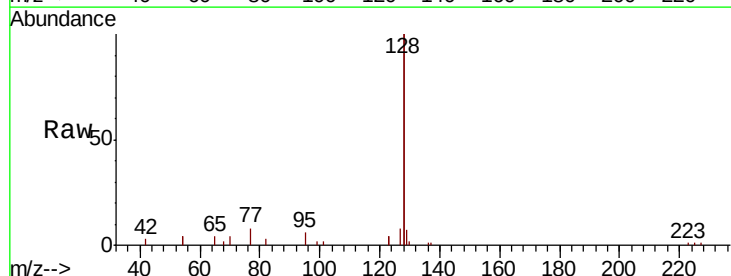
RT: 10.68 min Scan# 656

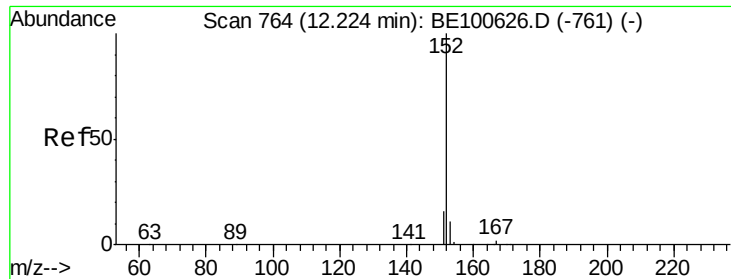
Delta R.T. 0.00 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

Tgt Ion:	128	Resp:	33361
Ion	Ratio	Lower	Upper
128	100		
129	3.6	2.3	3.5#
127	3.9	2.7	4.1





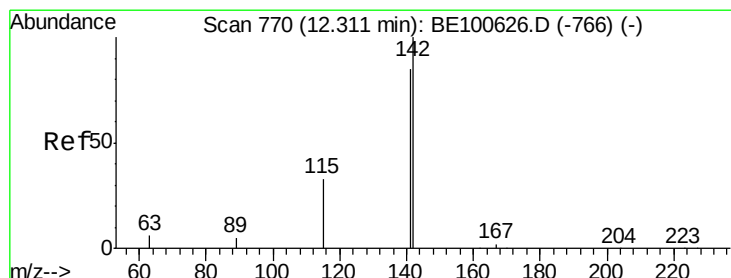
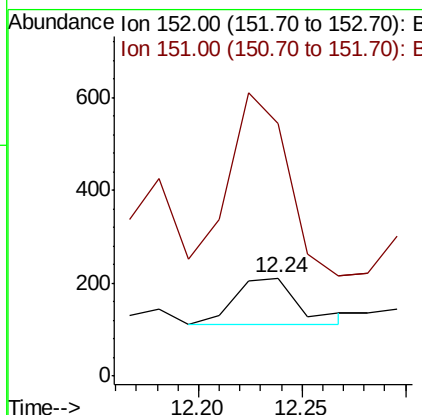
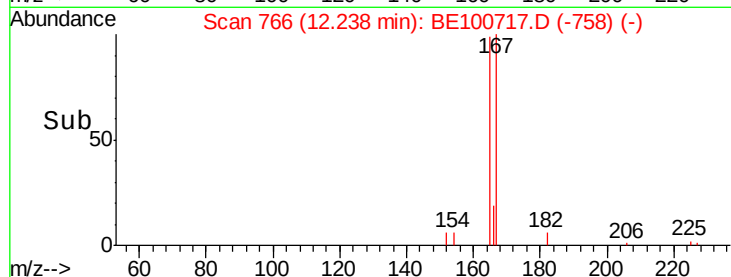
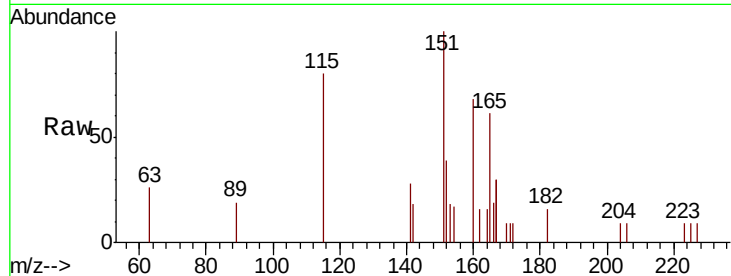
#11
2-Methylnaphthalene-d10
Concen: 0.013 ng
RT: 12.24 min Scan# 766
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Instrument :
BNA_E
ClientSampleId :
SO-4DL2

Tot Ion:152 Resp: 222
Ion Ratio Lower Upper
152 100
151 345.9 14.7 22.1#

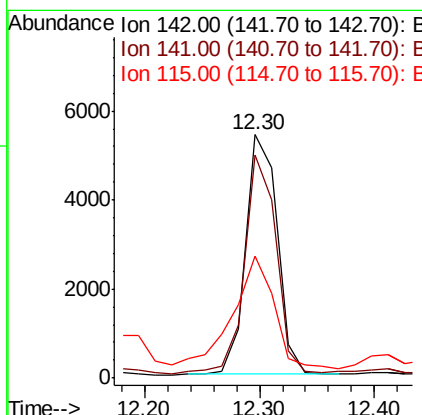
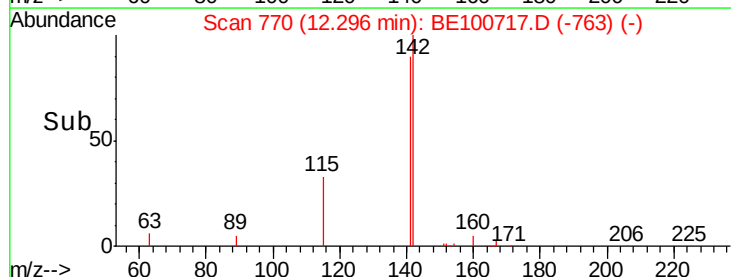
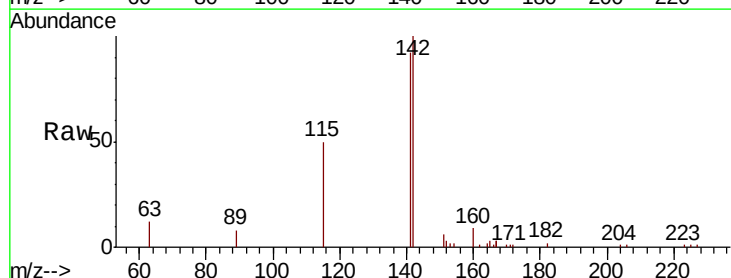
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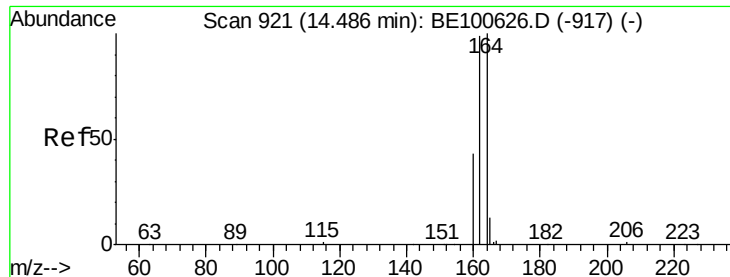
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#12
2-Methylnaphthalene
Concen: 0.524 ng
RT: 12.30 min Scan# 770
Delta R.T. -0.00 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Tgt Ion:142 Resp: 10187
Ion Ratio Lower Upper
142 100
141 91.9 70.1 105.1
115 50.3 28.3 42.5#





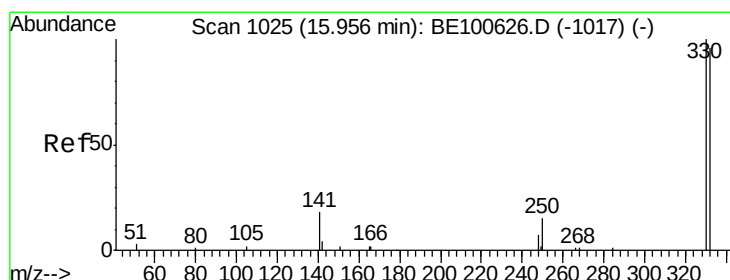
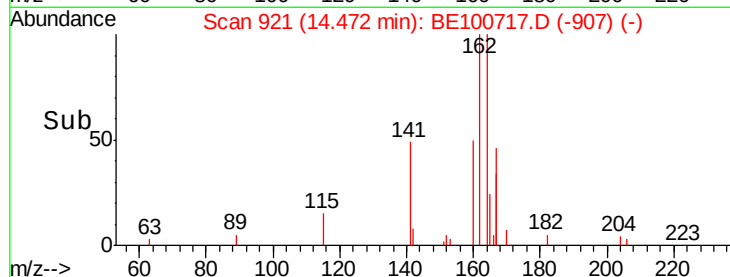
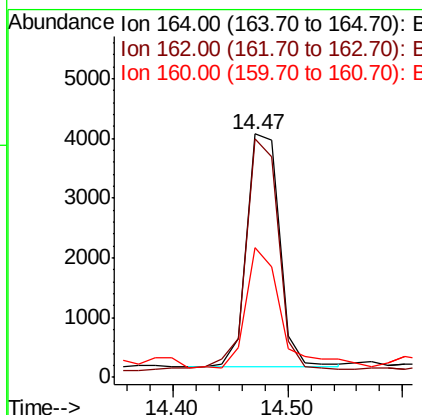
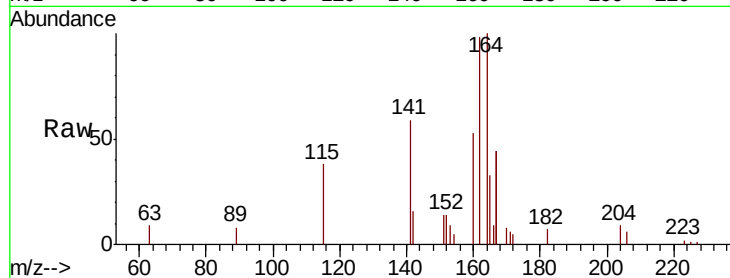
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Instrument :
BNA_E
ClientSampled :
SO-4DL2

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.1	82.0	123.0
160	53.4	37.5	56.3

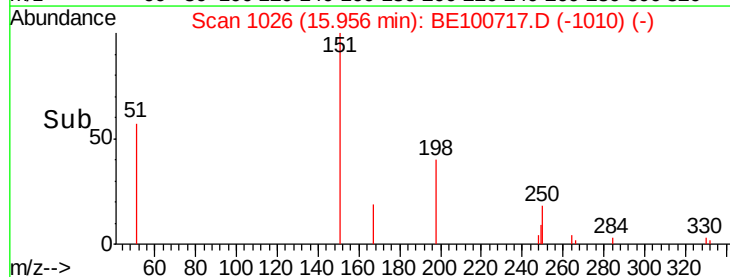
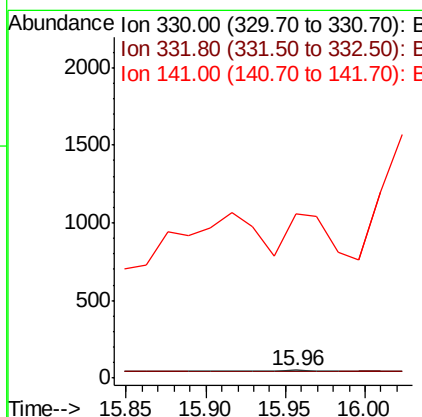
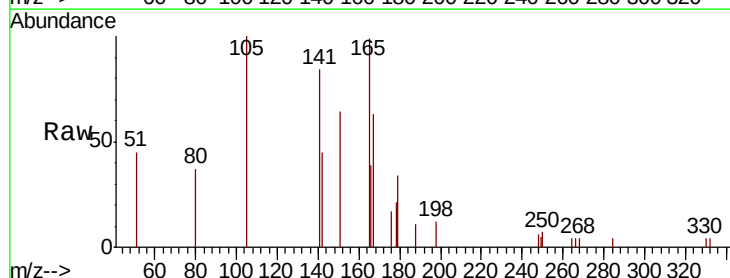
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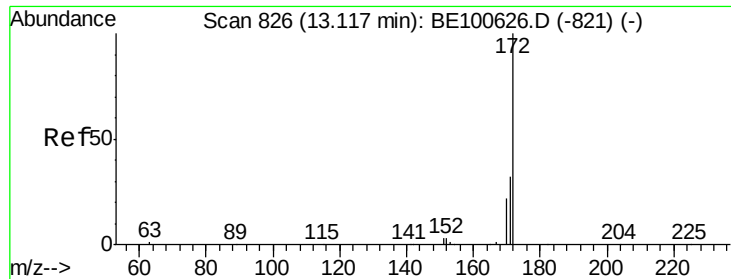
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#14
2,4,6-Tribromophenol
Concen: 0.004 ng
RT: 15.96 min Scan# 1026
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	188.9	77.9	116.9#
141	5644.4	33.0	49.6#





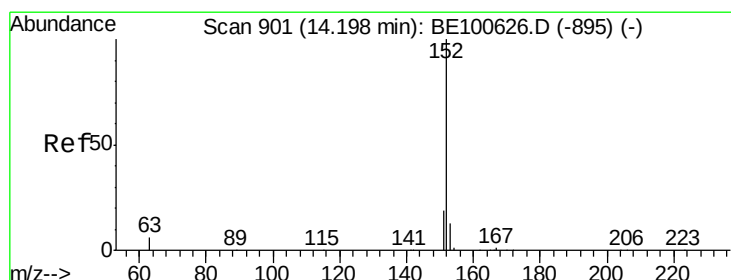
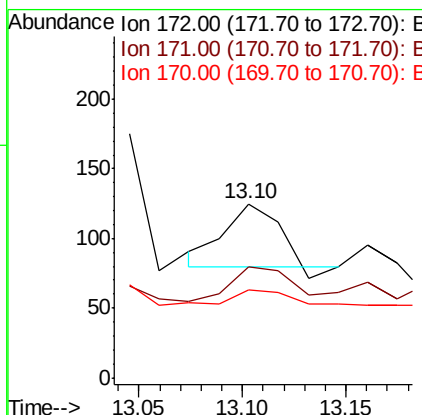
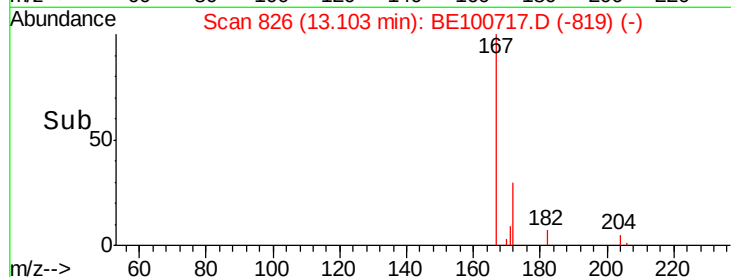
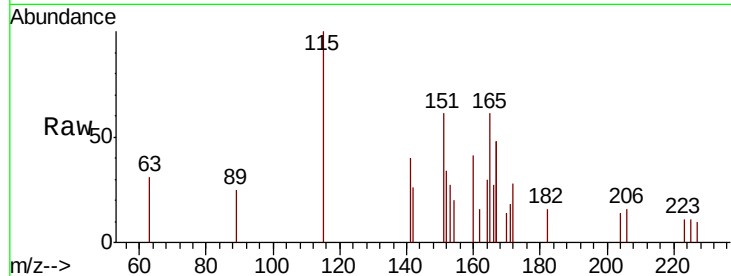
#15
2-Fluorobiphenyl
Concen: 0.003 ng
RT: 13.10 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Instrument :
BNA_E
ClientSampleId :
SO-4DL2

Tot Ion	Ratio	Lower	Upper
172	100		
171	64.0	26.5	39.7#
170	50.4	19.0	28.4#

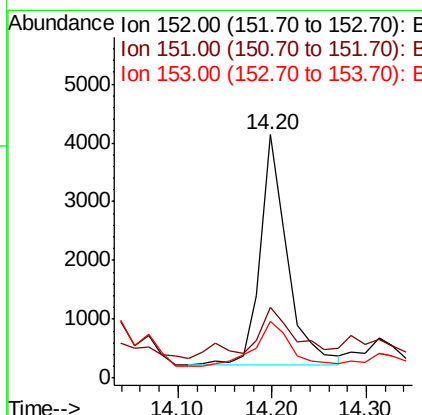
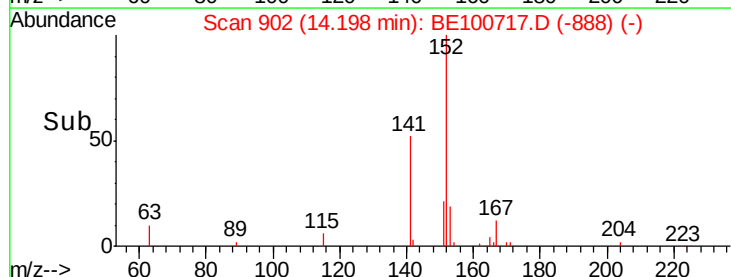
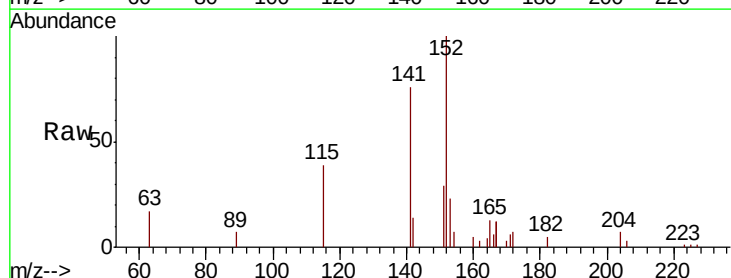
Manual Integrations
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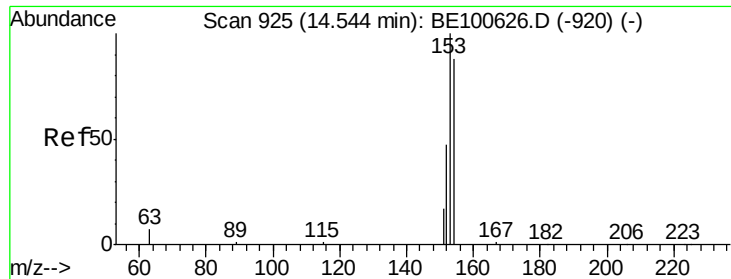
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#16
Acenaphthylene
Concen: 0.240 ng
RT: 14.20 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
152	100		
151	24.0	15.2	22.8#
153	26.8	10.3	15.5#





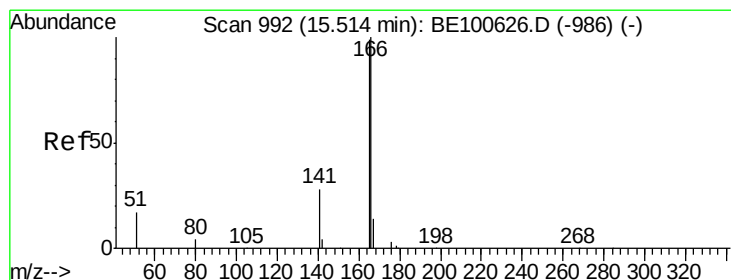
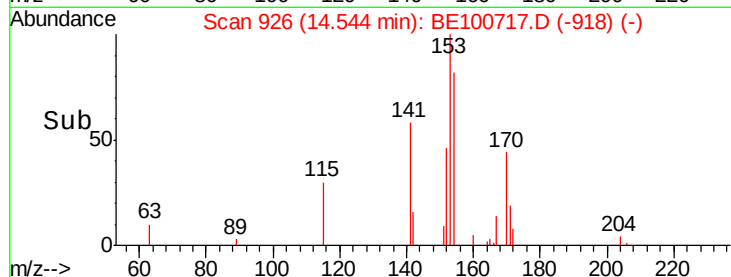
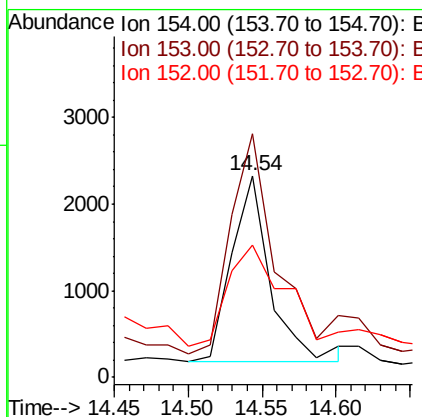
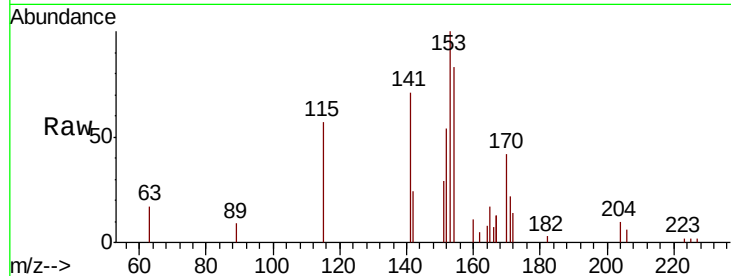
#17
Acenaphthene
Concen: 0.186 ng
RT: 14.54 min Scan# 926
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Instrument :
BNA_E
ClientSampleId :
SO-4DL2

Tot Ion	Ratio	Lower	Upper
154	100		
153	152.0	89.4	134.2#
152	79.1	44.1	66.1#

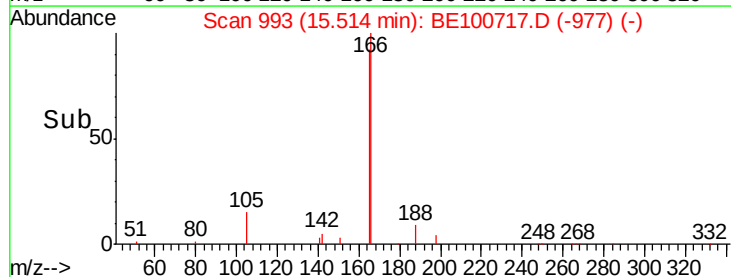
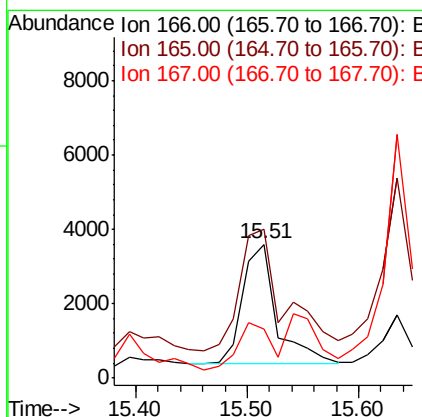
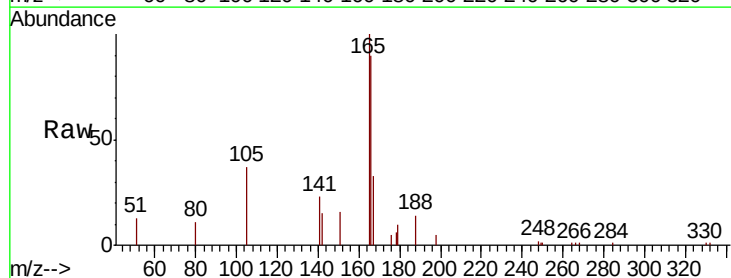
Manual Integrations
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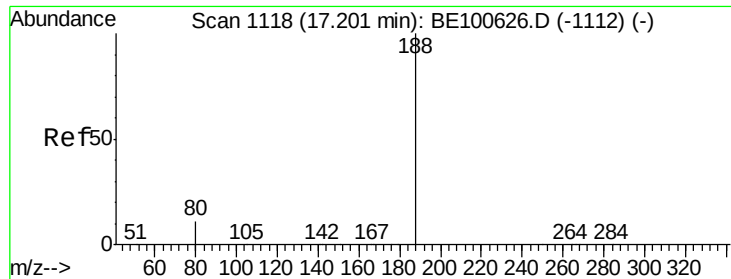
mohammad
11/11/2019 8:09:55 AM



#18
Fluorene
Concen: 0.241 ng
RT: 15.51 min Scan# 993
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
166	100		
165	133.1	78.6	117.8#
167	37.3	10.9	16.3#





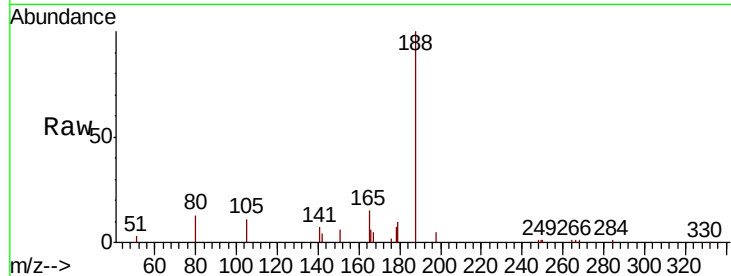
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Instrument :
BNA_E
ClientSampleId :
SO-4DL2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.2	5.4	8.0#

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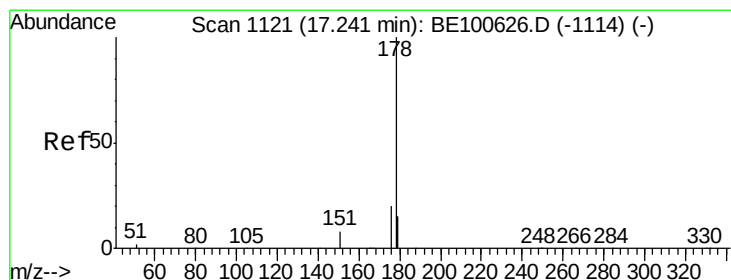
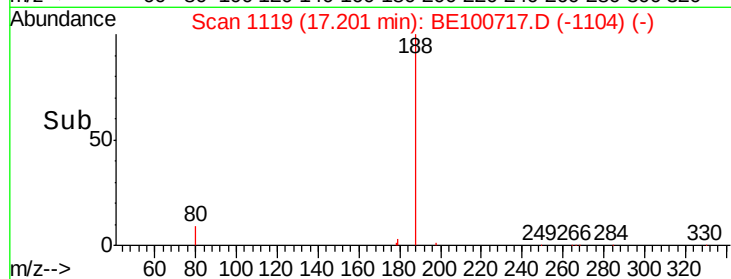
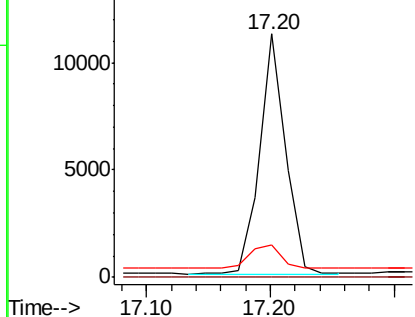


Abundance

Ion 188.00 (187.70 to 188.70): E

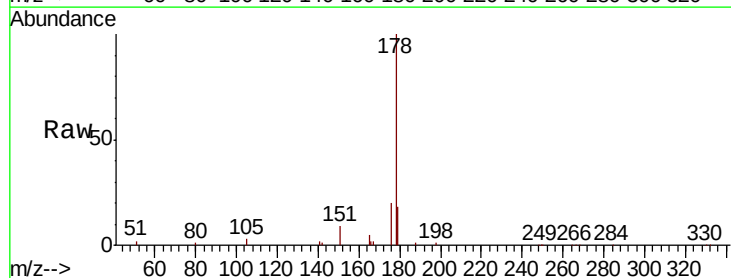
Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#23
Phenanthrene
Concen: 1.287 ng
RT: 17.24 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	15.2	22.8
179	20.2	12.1	18.1#

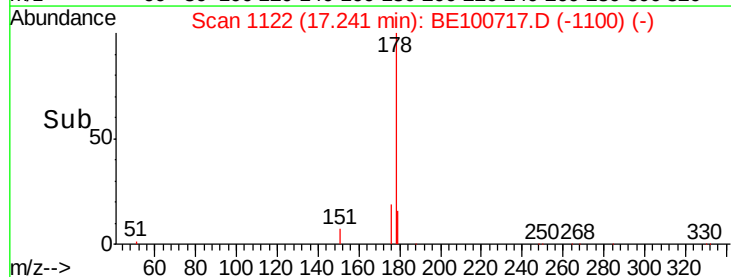
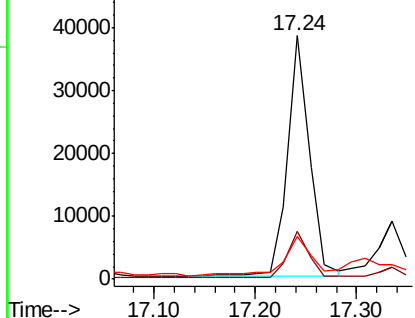


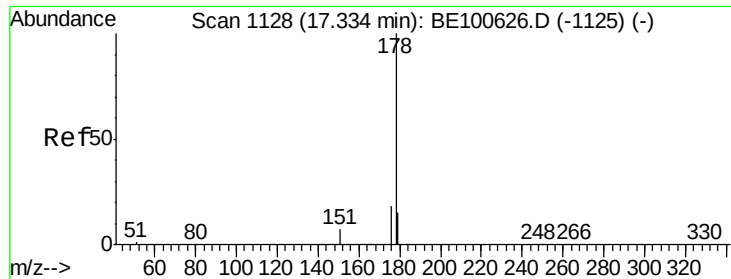
Abundance

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





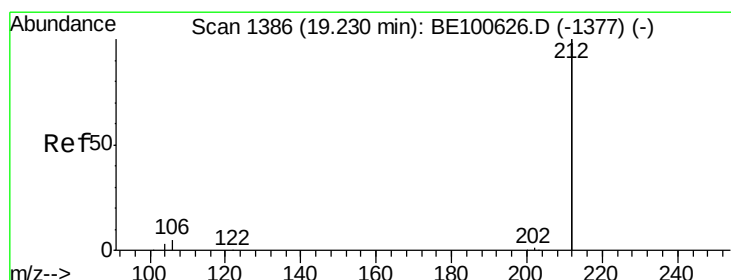
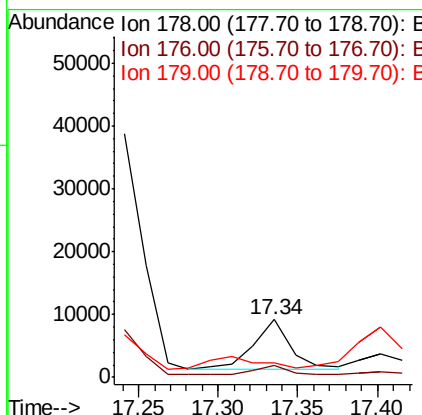
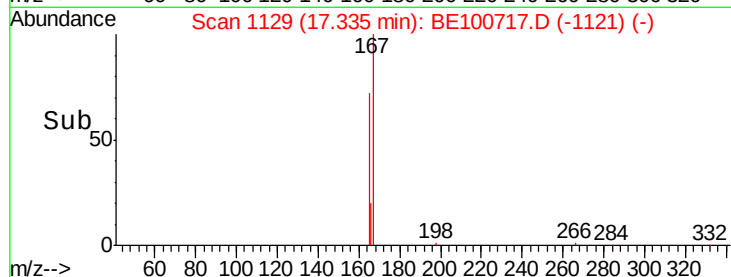
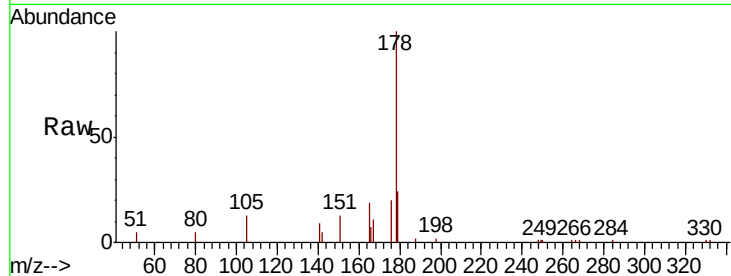
#24
 Anthracene
 Concen: 0.325 ng
 RT: 17.34 min Scan# 1129
 Delta R.T. 0.01 min
 Lab File: BE100717.D
 Acq: 8 Nov 2019 14:57

Instrument :
 BNA_E
 ClientSampled :
 SO-4DL2

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	15.8	15.0	22.4	
179	0.0	12.5	18.7	

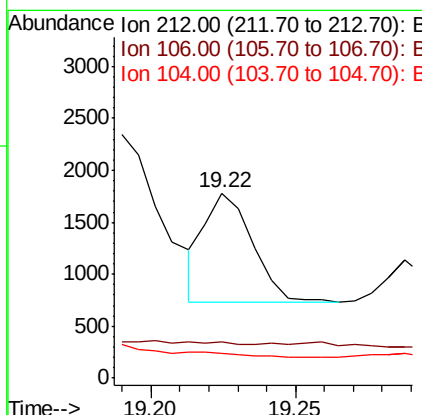
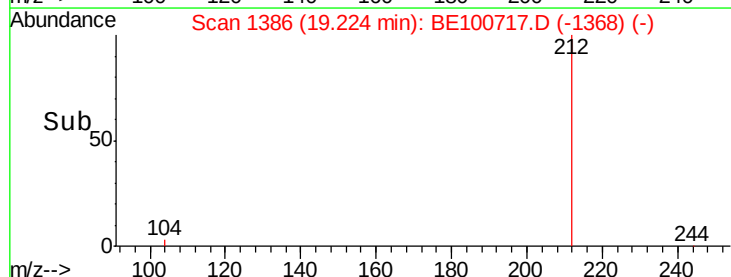
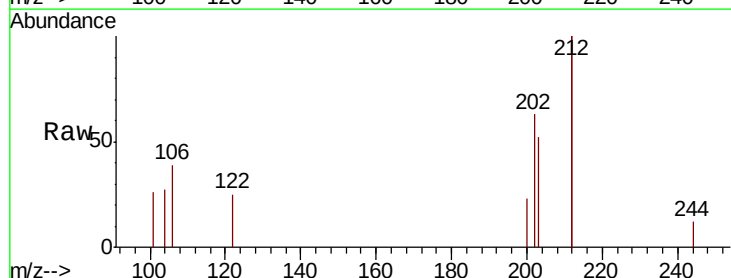
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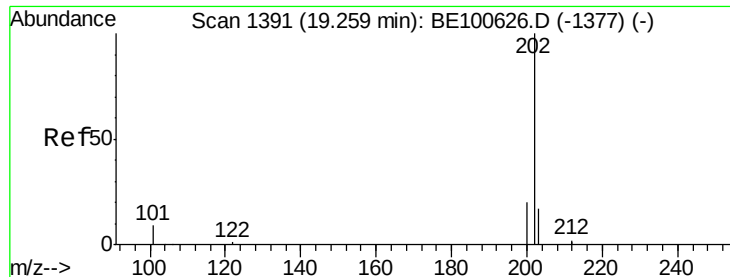
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.006 ng
 RT: 19.22 min Scan# 1386
 Delta R.T. 0.01 min
 Lab File: BE100717.D
 Acq: 8 Nov 2019 14:57

Tgt Ion	Ion	Ratio	Lower	Upper
212	100			
106	0.0	2.3	3.5	
104	0.0	1.3	1.9	





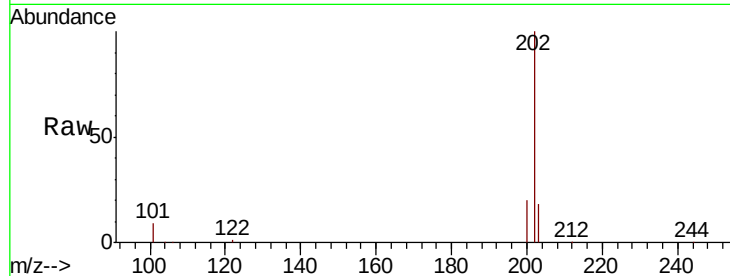
#26
Fluoranthene
Concen: 1.995 ng
RT: 19.26 min Scan# 1392
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Instrument :
BNA_E
ClientSampleID :
SO-4DL2

Tot Ion	Ratio	Resp	Lower	Upper
202	100	115776		
101	10.6		8.5	12.7
203	17.6		13.8	20.8

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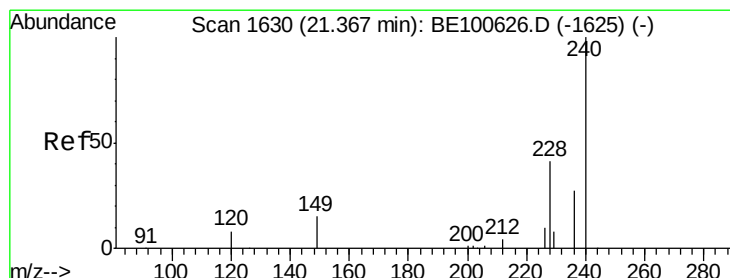
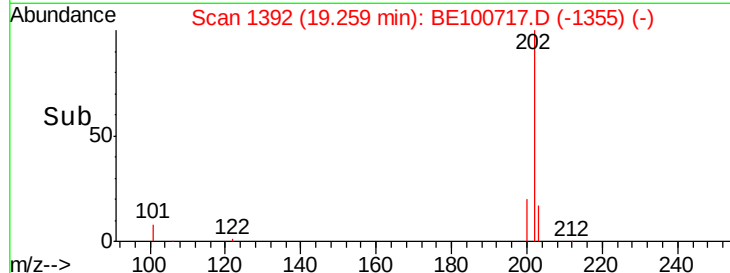
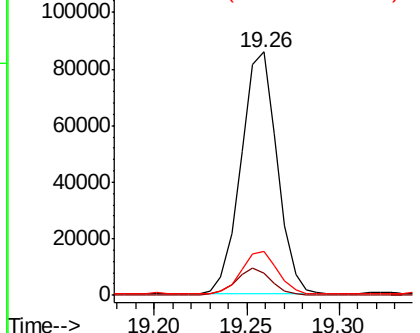


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1631
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

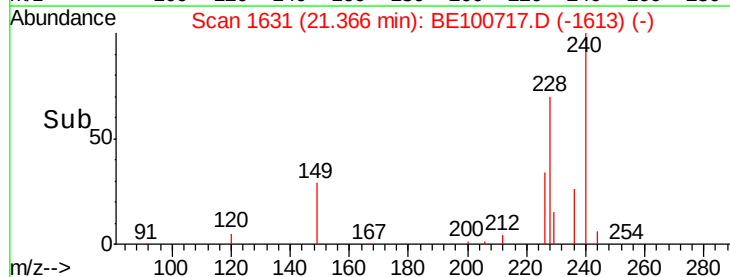
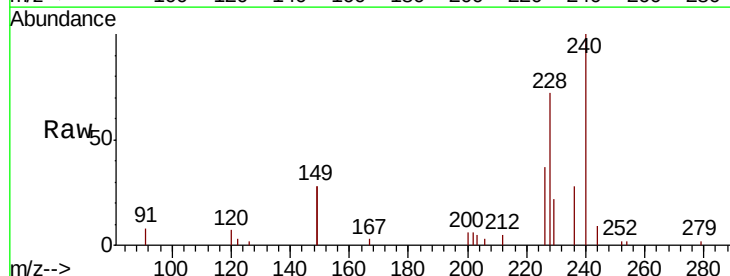
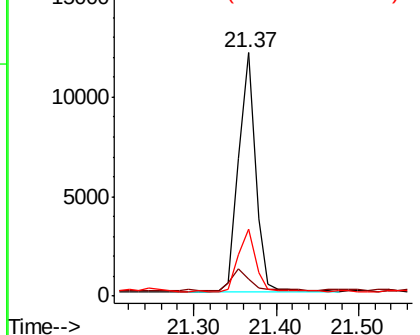
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	17104		
120	7.1		7.6	11.4#
236	27.7		22.1	33.1

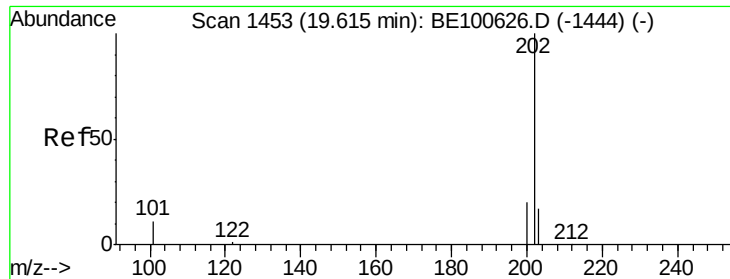
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





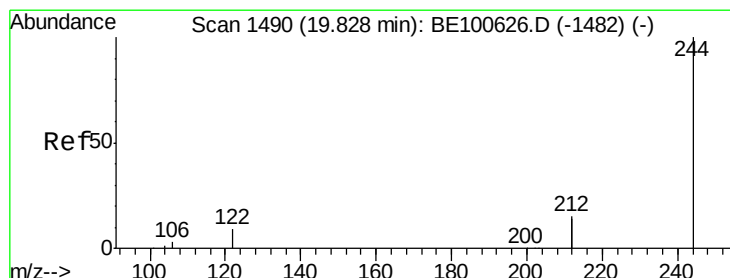
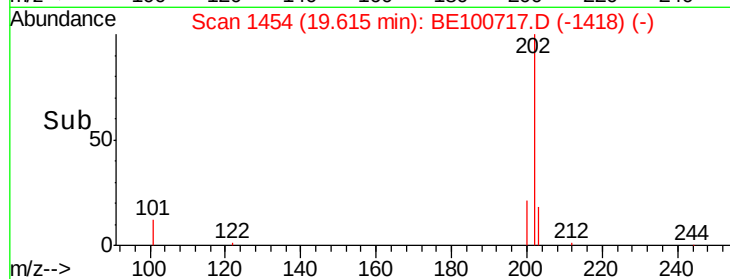
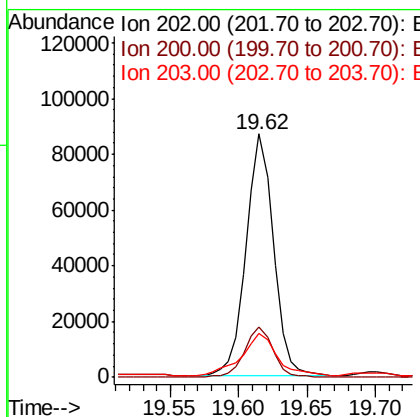
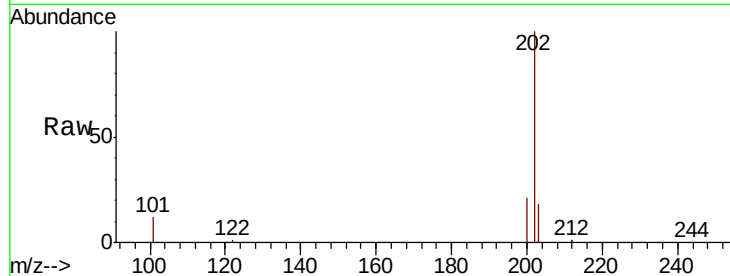
#28
Pvrene
Concen: 2.515 ng
RT: 19.62 min Scan# 1454
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Instrument :
BNA_E
ClientSampleId :
SO-4DL2

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	22.7	14.0	21.0#

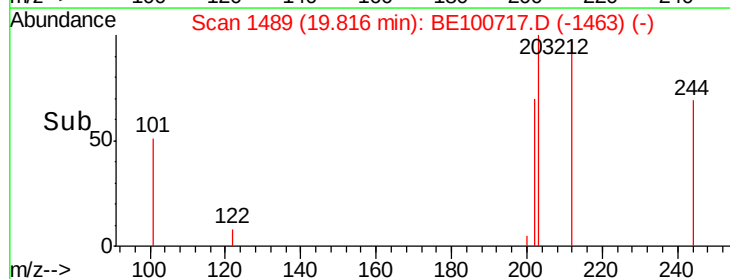
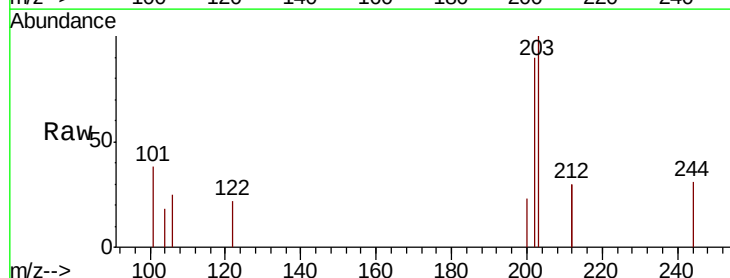
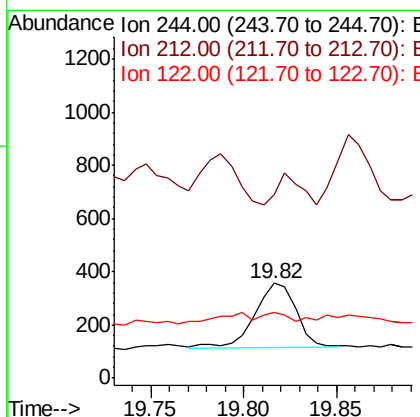
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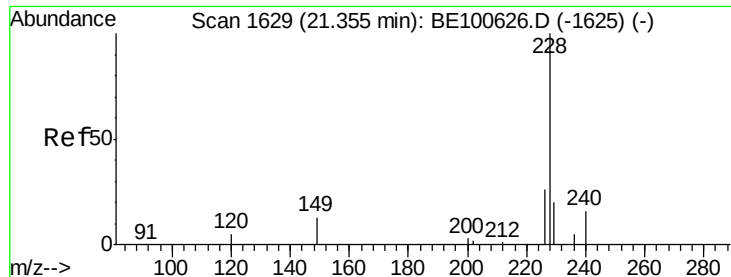
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#29
Terphenyl-d14
Concen: 0.010 ng
RT: 19.82 min Scan# 1489
Delta R.T. 0.00 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	192.2	23.7	35.5#
122	69.0	7.9	11.9#





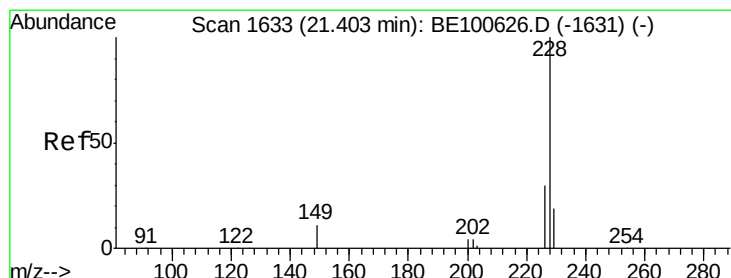
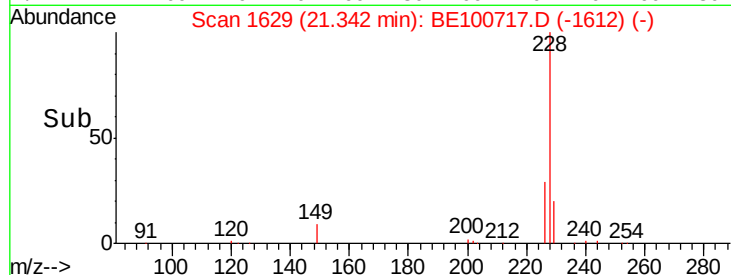
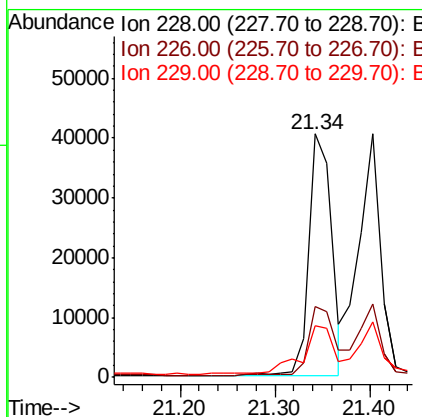
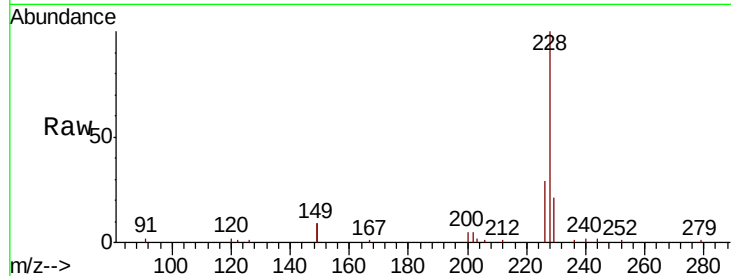
#30
Benzo(a)anthracene
Concen: 1.205 ng
RT: 21.34 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Instrument :
BNA_E
ClientSampled :
SO-4DL2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	21.4	32.0
229	21.4	16.0	24.0

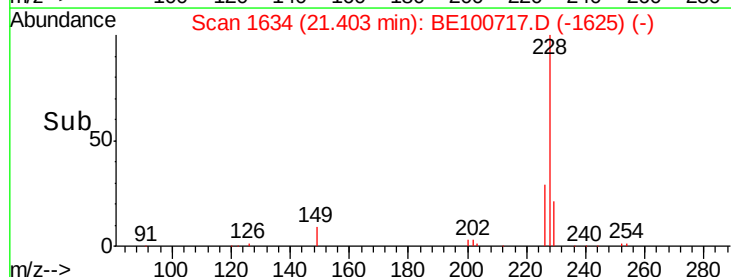
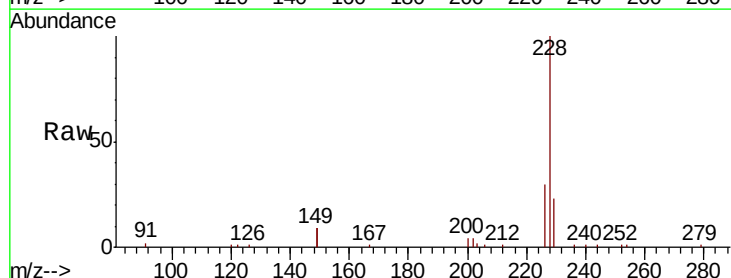
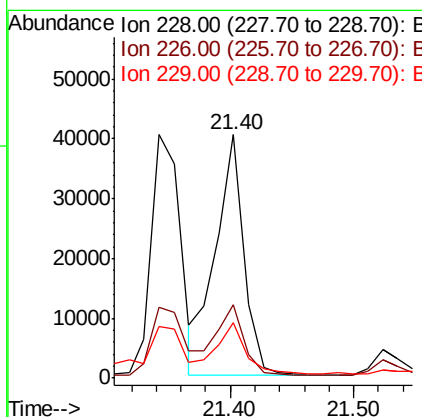
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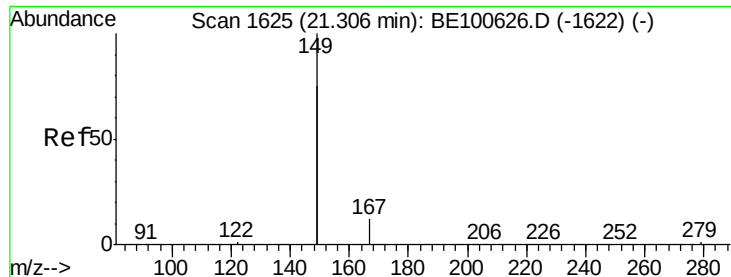
mohammad
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#31
Chrysene
Concen: 1.154 ng
RT: 21.40 min Scan# 1634
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	37.0
229	22.7	15.8	23.8





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.094 ng

RT: 21.28 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE100717.D

Acq: 8 Nov 2019 14:57

Instrument :

BNA_E

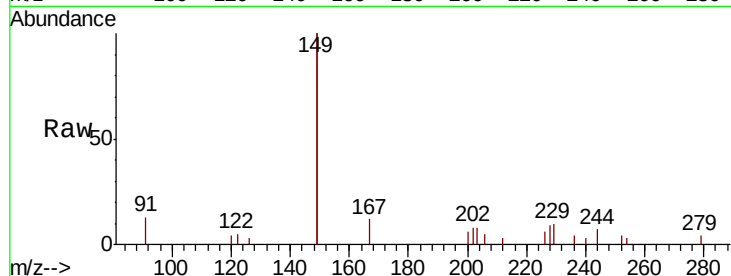
ClientSampled :

SO-4DL2

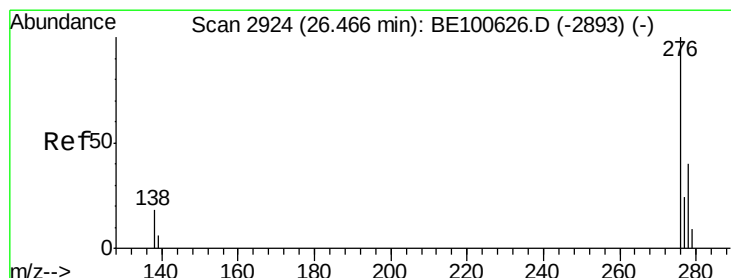
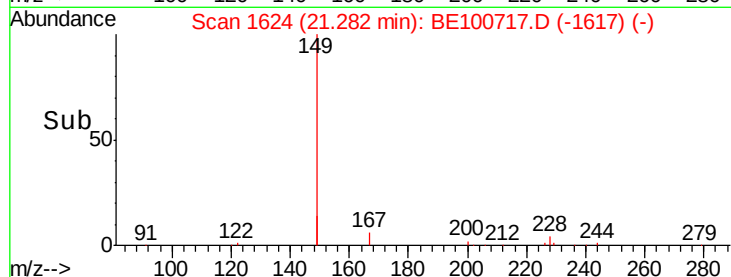
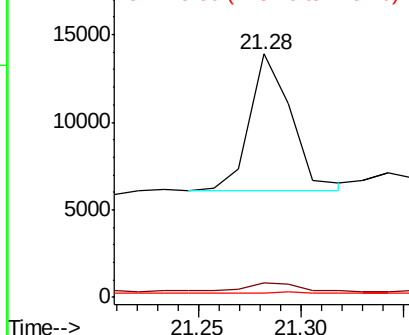
Tot Ion:	149	Resp:	10962
Ion Ratio	Lower	Upper	
149	100		
167	7.0	5.5	8.3
279	1.2	0.9	1.3

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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: 0.903 ng

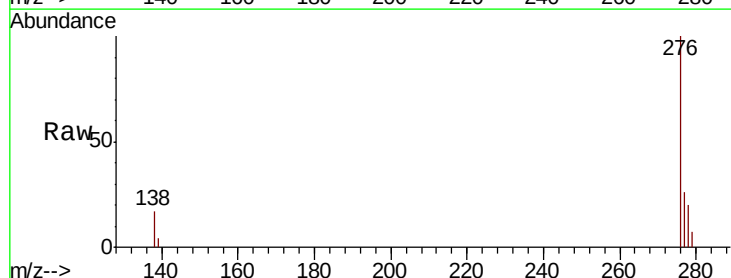
RT: 26.47 min Scan# 2926

Delta R.T. 0.04 min

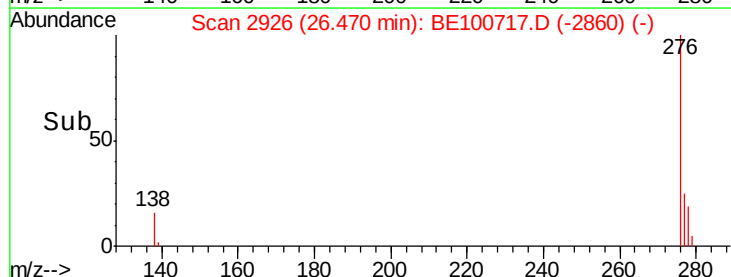
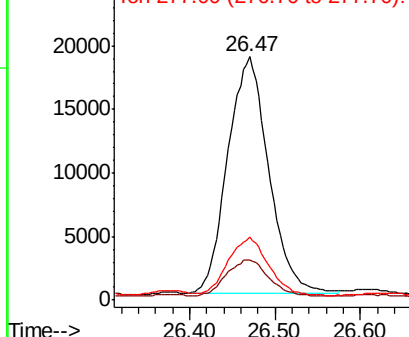
Lab File: BE100717.D

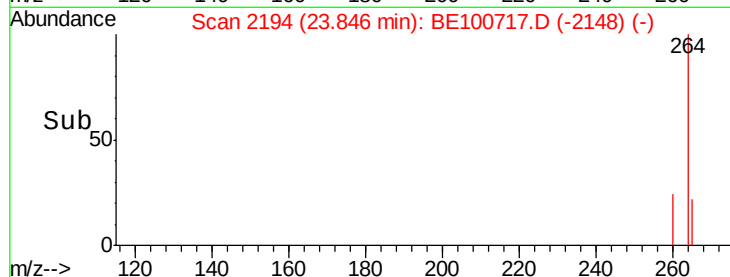
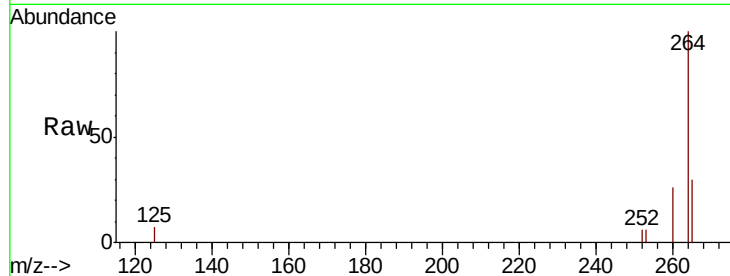
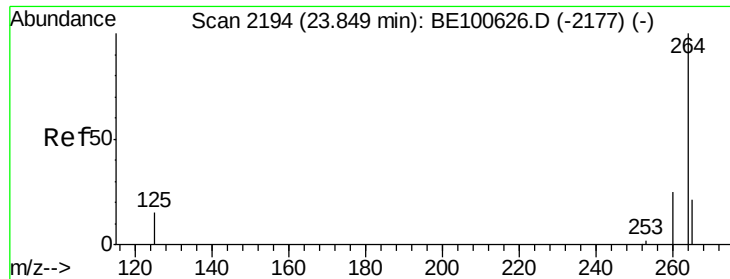
Acq: 8 Nov 2019 14:57

Tgt Ion:	276	Resp:	61906
Ion Ratio	Lower	Upper	
276	100		
138	15.6	15.3	22.9
277	24.2	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





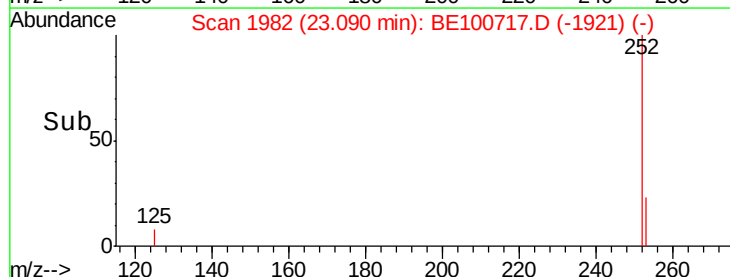
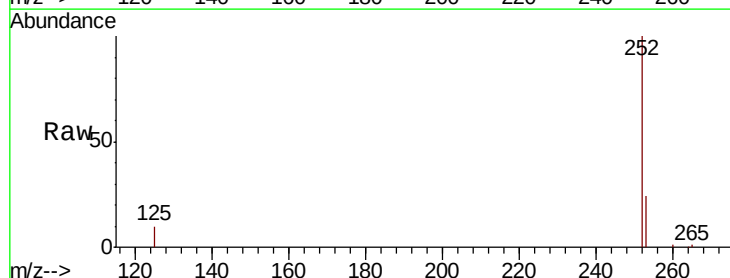
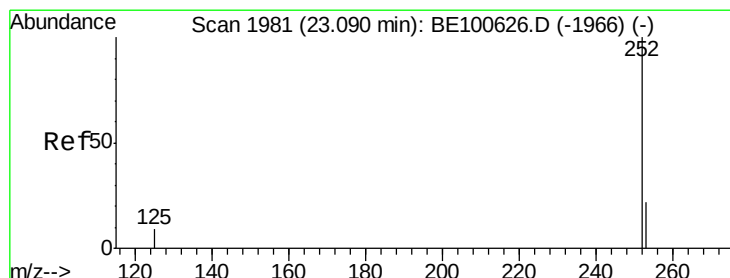
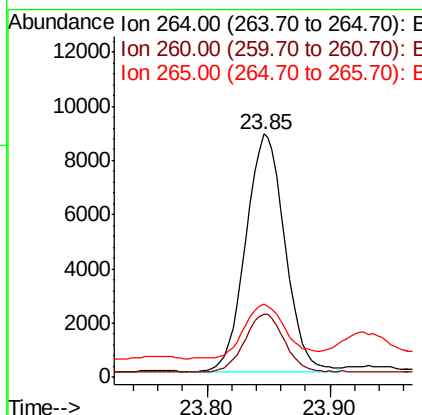
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.85 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: BE100717.D
 Acq: 8 Nov 2019 14:57

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.0	19.4	29.2
265	29.9	21.7	32.5

Instrument :
 BNA_E
 ClientSampleId :
 SO-4DL2

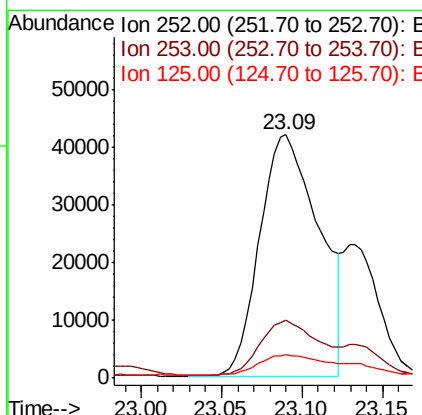
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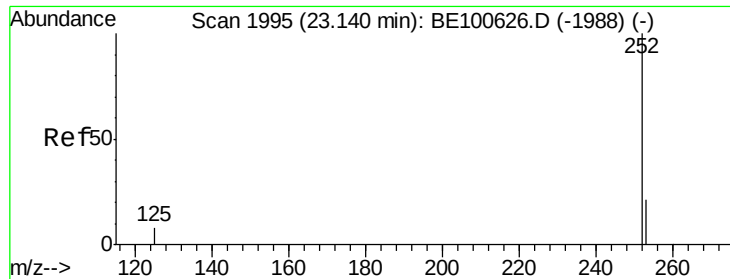
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#35
 Benzo(b)fluoranthene
 Concen: 1.899 ng
 RT: 23.09 min Scan# 1982
 Delta R.T. 0.02 min
 Lab File: BE100717.D
 Acq: 8 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.4	27.6
125	9.6	7.6	11.4





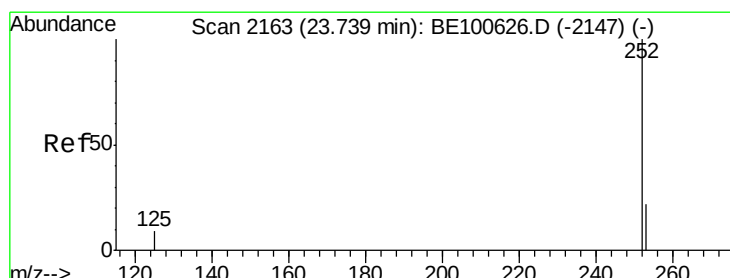
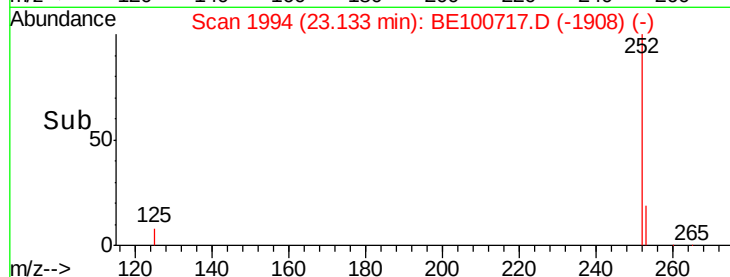
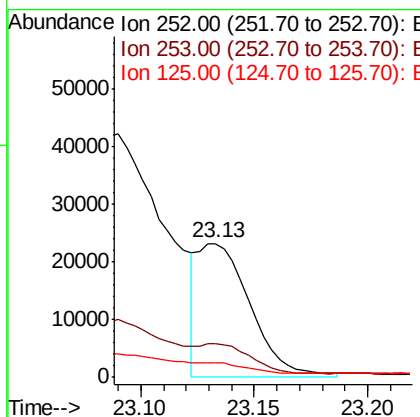
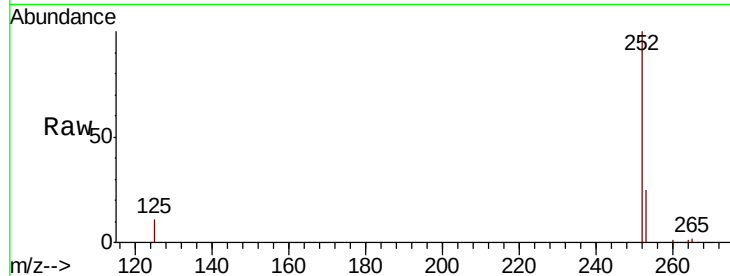
#36
Benzo(k)fluoranthene
Concen: 0.639 ng m
RT: 23.13 min Scan# 1994
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Instrument :
BNA_E
ClientSampled :
SO-4DL2

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.4	27.6
125	10.7	11.6	17.4

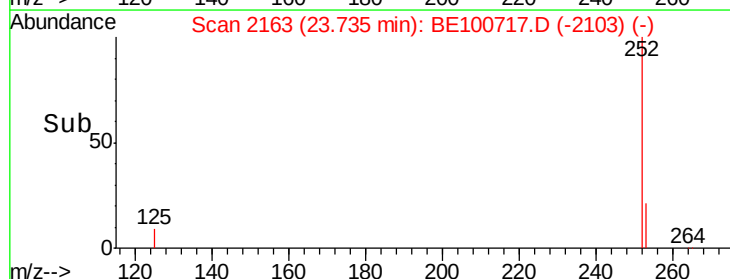
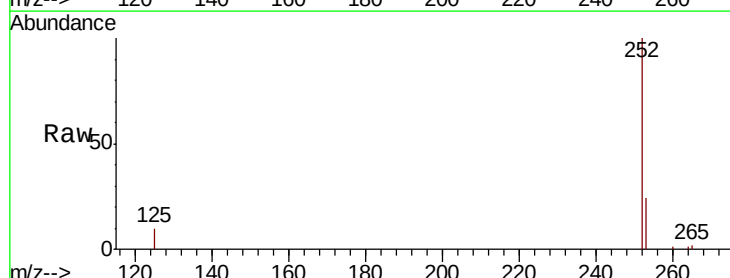
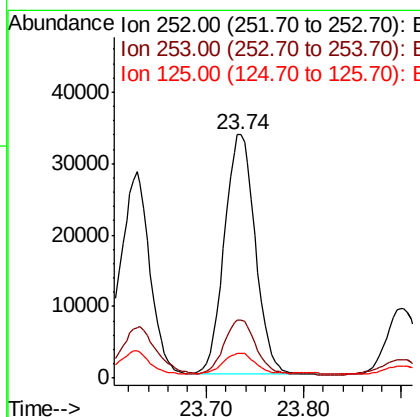
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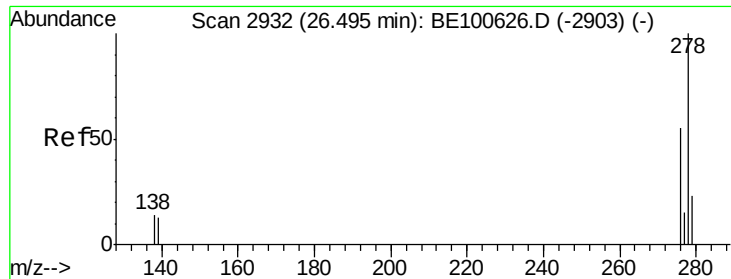
mohammad
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#37
Benzo(a)pyrene
Concen: 1.416 ng
RT: 23.74 min Scan# 2163
Delta R.T. 0.01 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	10.3	8.2	12.4





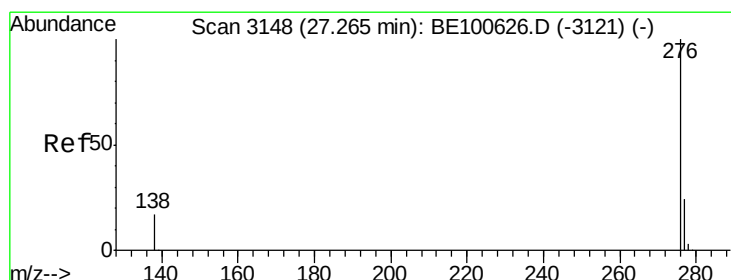
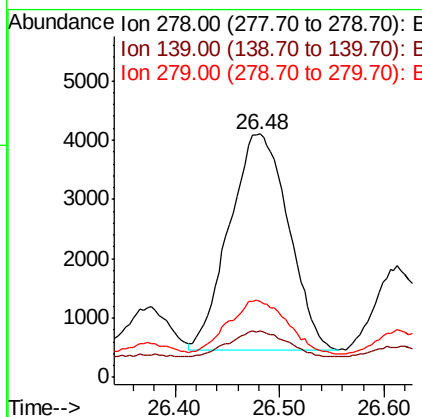
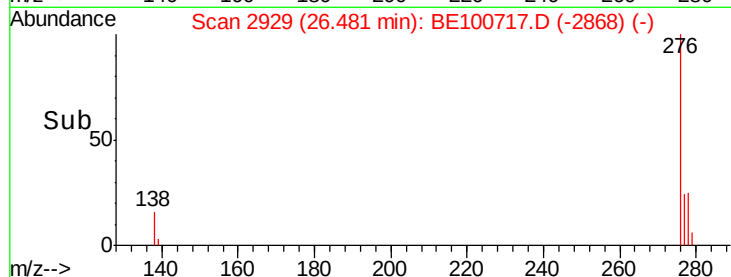
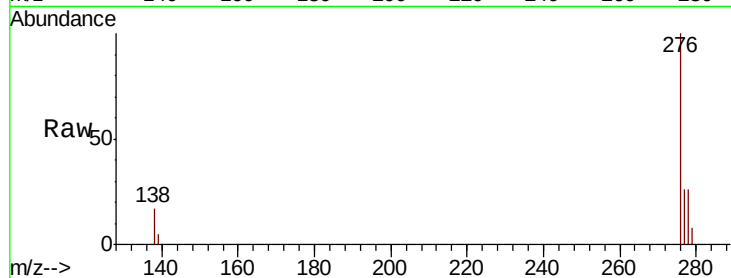
#38
Dibenzo(a,h)anthracene
Concen: 0.263 ng
RT: 26.48 min Scan# 2929
Delta R.T. 0.02 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Instrument :
BNA_E
ClientSampleId :
SO-4DL2

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.9	10.9	16.3#
279	31.4	19.4	29.2#

Manual Integrations
APPROVED

mohammad
11/11/2019 8:09:55 AM



#39
Benzo(g,h,i)perylene
Concen: 1.186 ng
RT: 27.28 min Scan# 3152
Delta R.T. 0.04 min
Lab File: BE100717.D
Acq: 8 Nov 2019 14:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.4	29.0
138	17.6	13.6	20.4

