

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110819\
 Data File : BE100715.D
 Acq On : 8 Nov 2019 13:16
 Operator : JU
 Sample : K5725-04DL 25X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SO-4DL

Manual Integrations
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 11/11/2019 8:09:49 AM

Quant Time: Nov 08 14:40:48 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	2003	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	9706	0.40	ng	0.01
13) Acenaphthene-d10	14.49	164	7522	0.40	ng	0.01
19) Phenanthrene-d10	17.20	188	14798	0.40	ng	0.00
27) Chrysene-d12	21.37	240	16010	0.40	ng	0.01
34) Perylene-d12	23.85	264	17955	0.40	ng	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	92	0.01	ng	0.01
5) Phenol-d6	7.03	99	167	0.02	ng	0.02
8) Nitrobenzene-d5	9.00	82	1052	0.17	ng	0.01
11) 2-Methylnaphthalene-d10	12.22	152	512	0.03	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	10	0.01	ng	0.04
15) 2-Fluorobiphenyl	13.10	172	195	0.01	ng	0.00
25) Fluoranthene-d10	19.22	212	2699	0.01	ng	0.00
29) Terphenyl-d14	19.82	244	832	0.02	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.69	128	69553	0.681	ng	# 98
12) 2-Methylnaphthalene	12.30	142	20821	1.197	ng	# 87
16) Acenaphthylene	14.20	152	16116	0.498	ng	# 74
17) Acenaphthene	14.54	154	8613	0.412	ng	# 74
18) Fluorene	15.51	166	13999	0.504	ng	# 62
23) Phenanthrene	17.24	178	119073	2.925	ng	# 94
24) Anthracene	17.34	178	28650	0.759	ng	# 80
26) Fluoranthene	19.26	202	239844	4.515	ng	99
28) Pyrene	19.61	202	247832	5.541	ng	# 94
30) Benzo(a)anthracene	21.35	228	156176	2.990	ng	95
31) Chrysene	21.40	228	119905	2.297	ng	98
32) Bis(2-ethylhexyl)phthalate	21.28	149	20807	0.190	ng	100
33) Indeno(1,2,3-cd)pyrene	26.47	276	131127	2.044	ng	96
35) Benzo(b)fluoranthene	23.09	252	215787	4.122	ng	100
36) Benzo(k)fluoranthene	23.13	252	85108m	1.581	ng	
37) Benzo(a)pyrene	23.73	252	156212	3.205	ng	98
38) Dibenzo(a,h)anthracene	26.48	278	30870	0.613	ng	92
39) Benzo(a,h,i)perylene	27.28	276	136979	2.704	ng	99

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

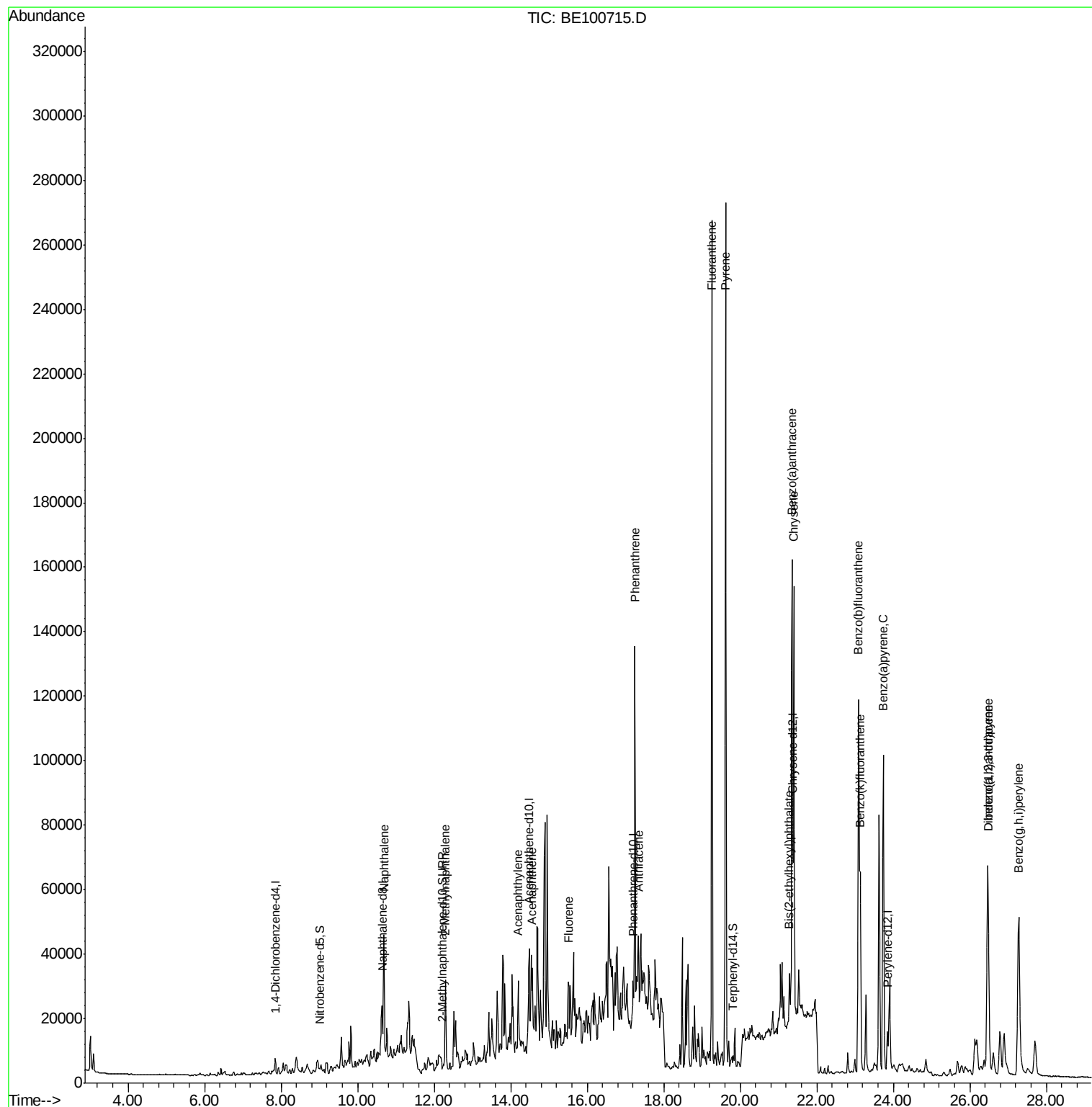
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE110819\
Data File : BE100715.D
Acq On : 8 Nov 2019 13:16
Operator : JU
Sample : K5725-04DL 25X
Misc :
ALS Vial : 6 Sample Multiplier: 1

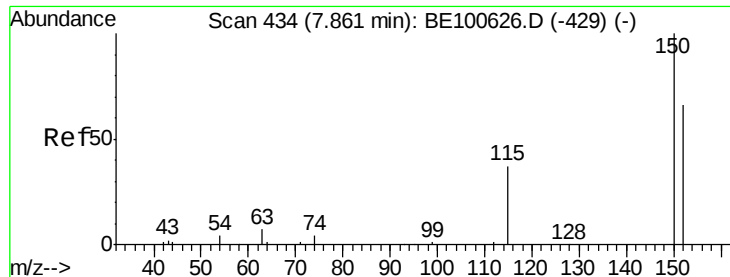
Instrument :
BNA_E
ClientSampleId :
SO-4DL

Quant Time: Nov 08 14:40:48 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

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#1

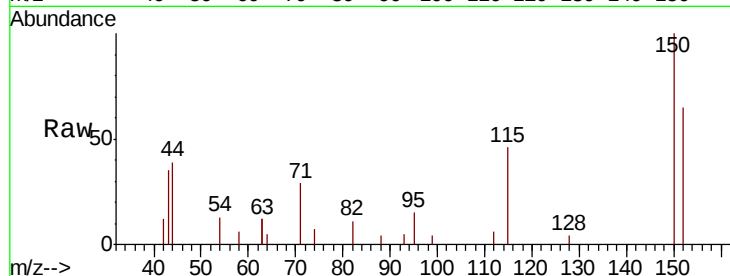
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Instrument :
BNA_E
ClientSampled :
SO-4DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.3	184.9
115	71.9	51.9	77.9

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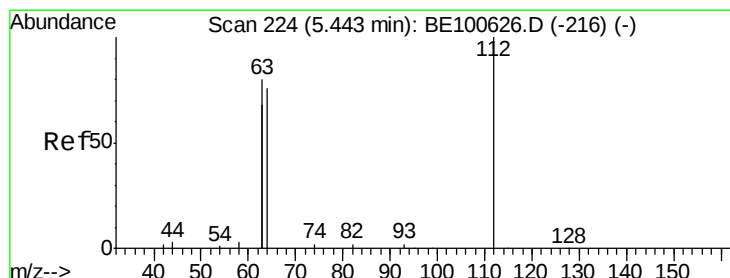
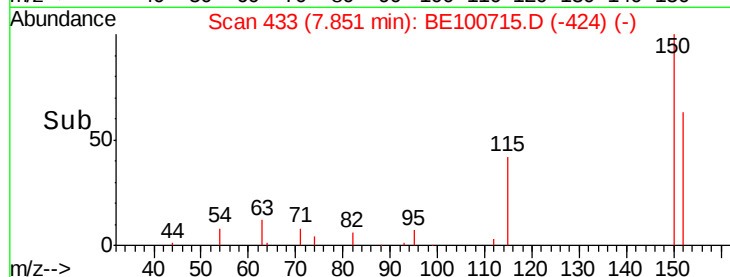
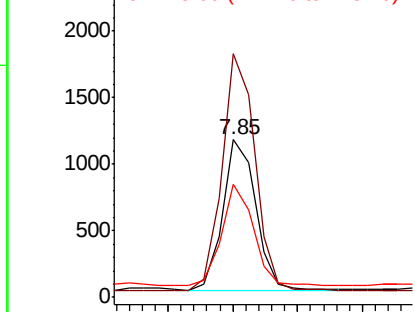


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

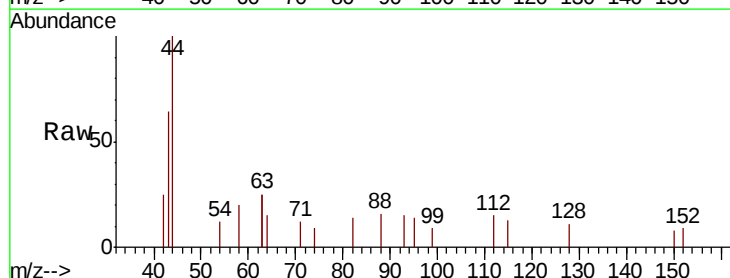
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.015 ng
RT: 5.45 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	55.4	83.2
63	102.2	114.2	171.4#

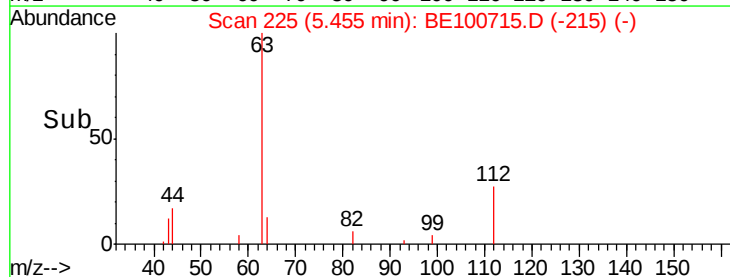
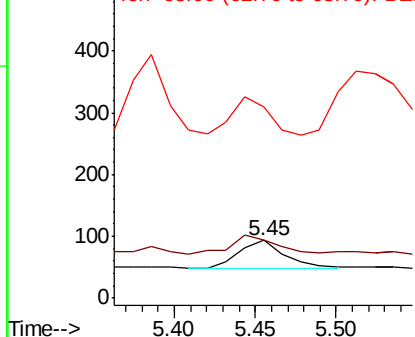


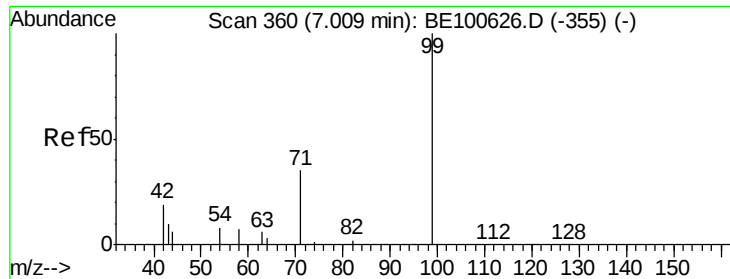
Abundance

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: 0.019 ng

RT: 7.03 min Scan# 362

Delta R.T. 0.02 min

Lab File: BE100715.D

Acq: 8 Nov 2019 13:16

Instrument :

BNA_E

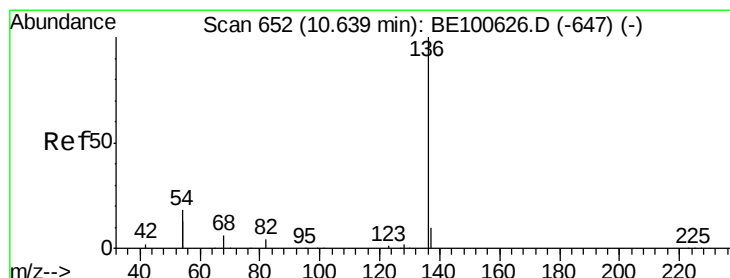
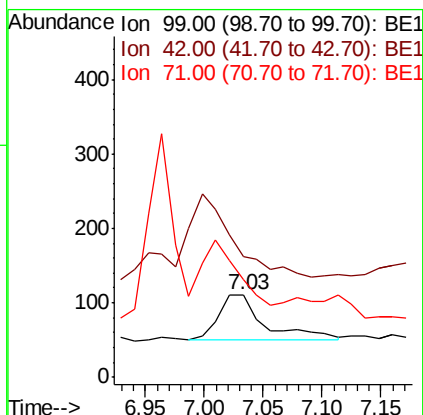
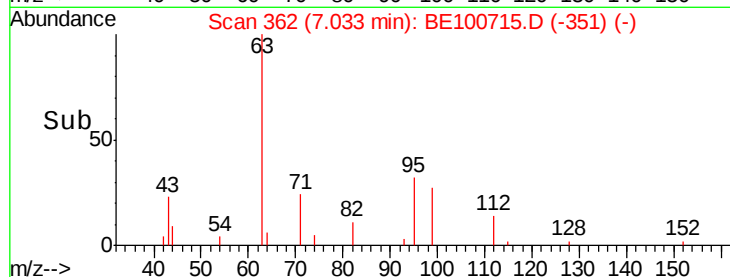
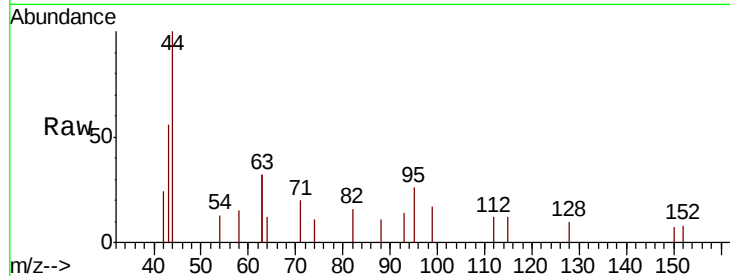
ClientSampleId :

SO-4DL

Tot Ion:	99	Resp:	167
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

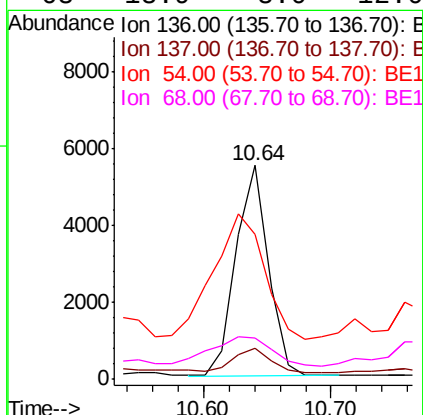
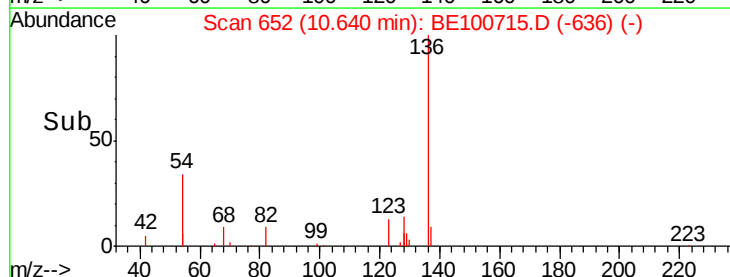
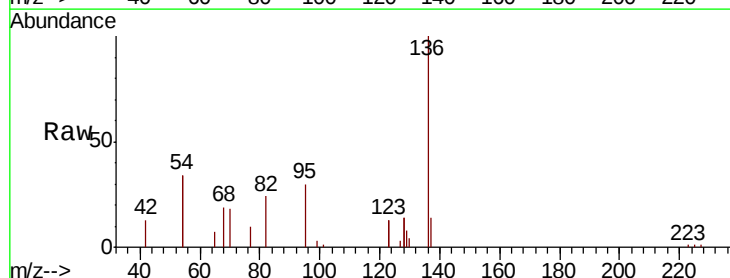
RT: 10.64 min Scan# 652

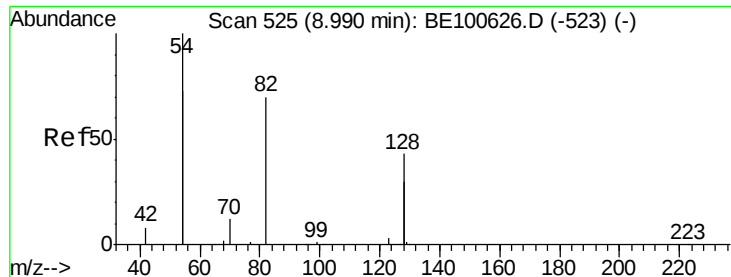
Delta R.T. 0.01 min

Lab File: BE100715.D

Acq: 8 Nov 2019 13:16

Tgt Ion:	136	Resp:	9706
Ion	Ratio	Lower	Upper
136	100		
137	14.2	9.2	13.8#
54	67.7	39.4	59.2#
68	18.9	8.0	12.0#





#8

Nitrobenzene-d5

Concen: 0.175 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.01 min

Lab File: BE100715.D

Acq: 8 Nov 2019 13:16

Instrument :

BNA_E

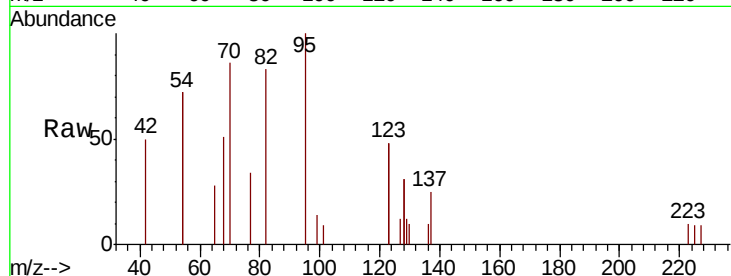
ClientSampled :

SO-4DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	73.8	107.8	161.8#
54	173.2	166.1	249.1

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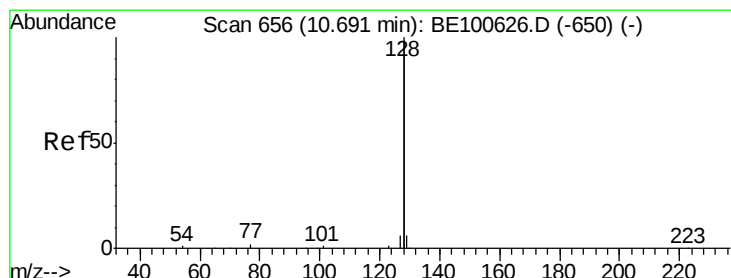
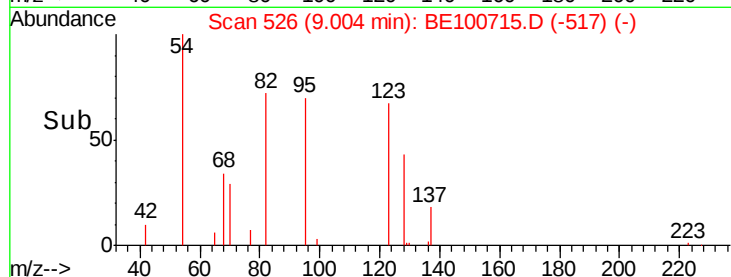
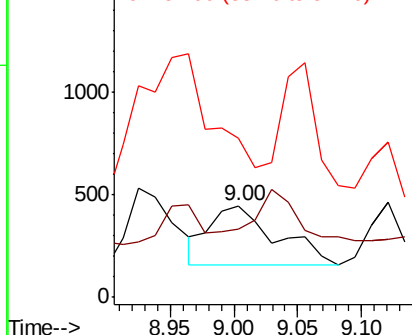


Abundance

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: 0.681 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.01 min

Lab File: BE100715.D

Acq: 8 Nov 2019 13:16

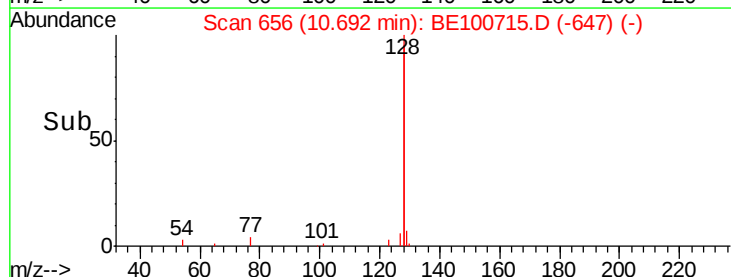
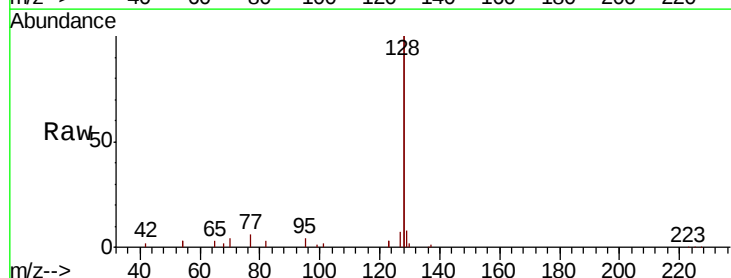
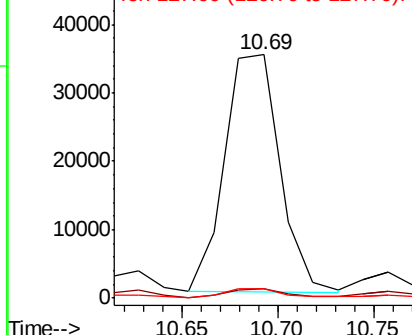
Tgt Ion	Ratio	Lower	Upper
128	100		
129	4.1	2.3	3.5#
127	3.6	2.7	4.1

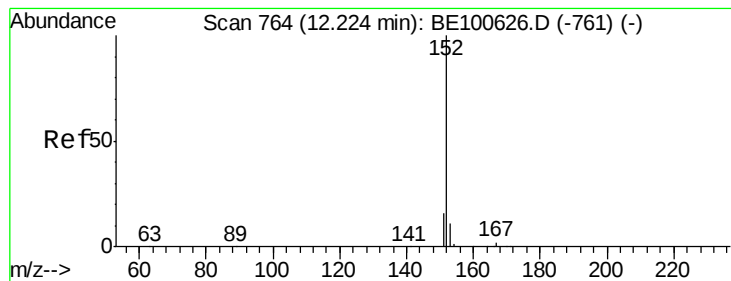
Abundance

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





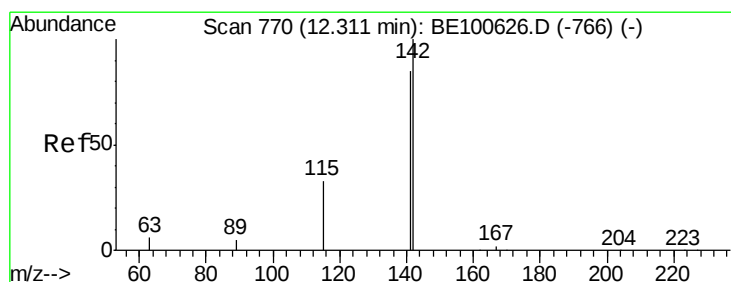
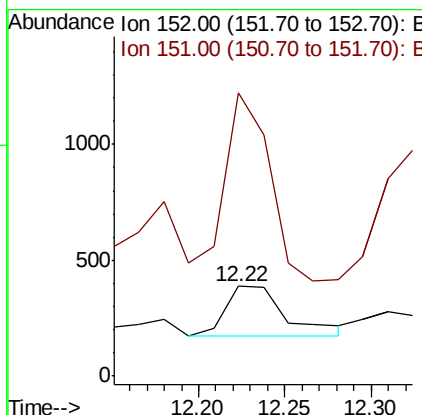
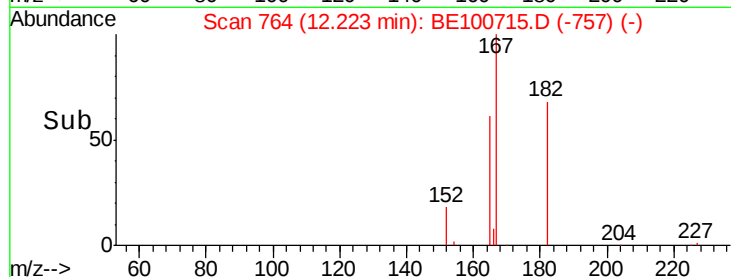
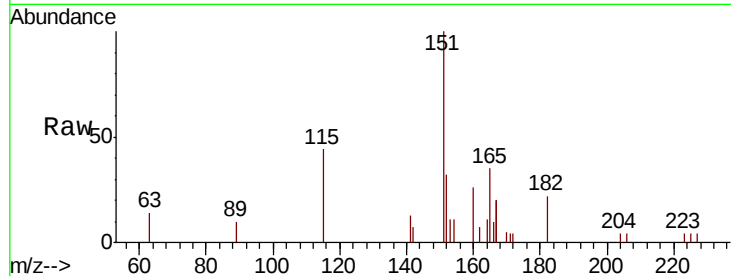
#11
2-Methylnaphthalene-d10
Concen: 0.033 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.00 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Instrument :
BNA_E
ClientSampled :
SO-4DL

Tot Ion:152 Resp: 512
Ion Ratio Lower Upper
152 100
151 283.4 14.7 22.1#

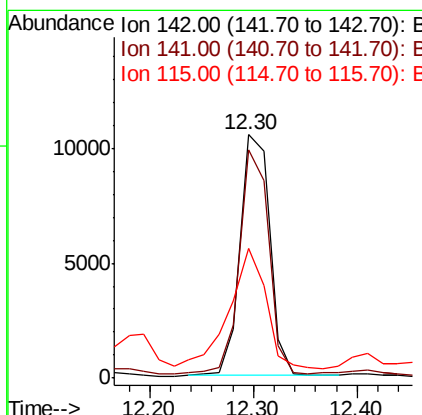
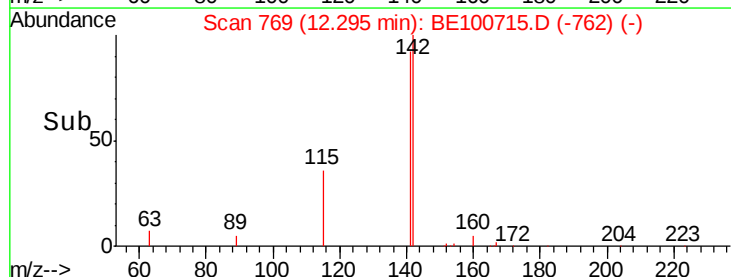
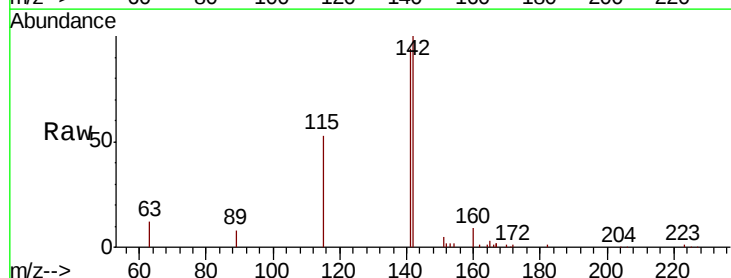
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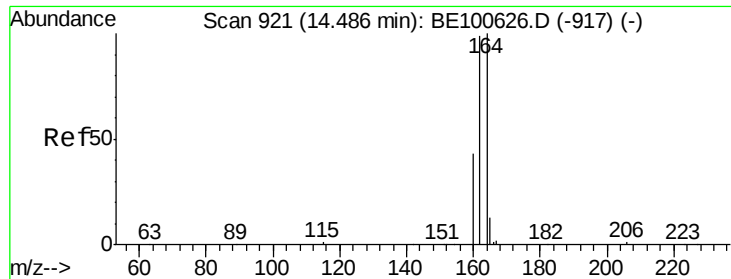
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#12
2-Methylnaphthalene
Concen: 1.197 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Tgt Ion:142 Resp: 20821
Ion Ratio Lower Upper
142 100
141 93.5 70.1 105.1
115 53.2 28.3 42.5#





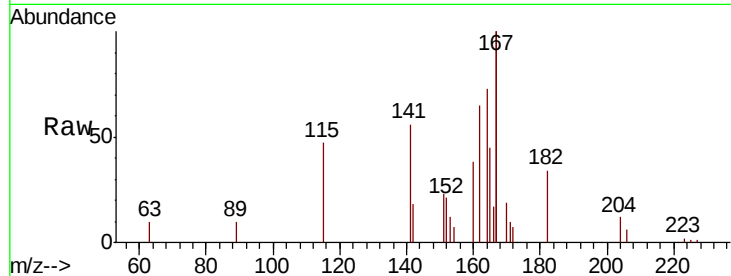
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.01 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Instrument :
BNA_E
ClientSampled :
SO-4DL

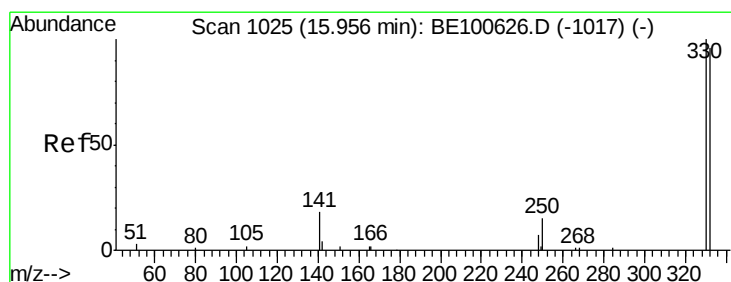
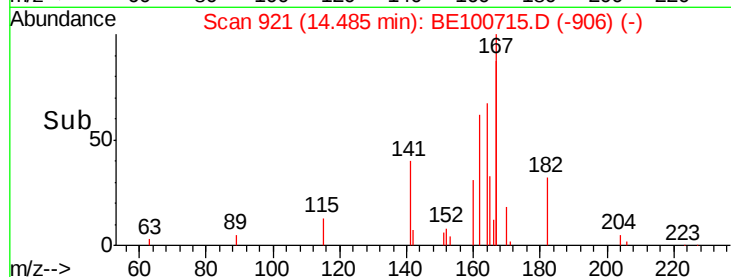
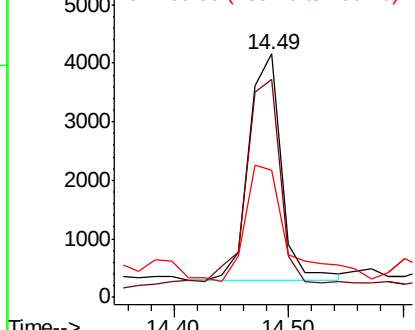
Tot Ion:164 Resp: 7522
Ion Ratio Lower Upper
164 100
162 89.3 82.0 123.0
160 52.2 37.5 56.3

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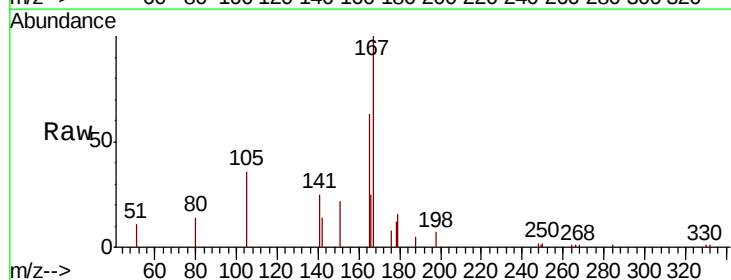


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

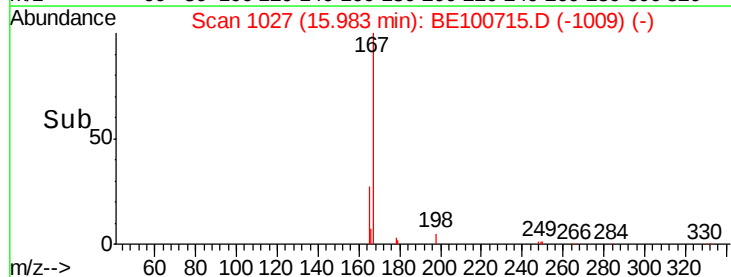
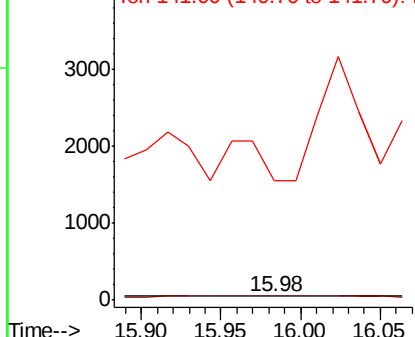


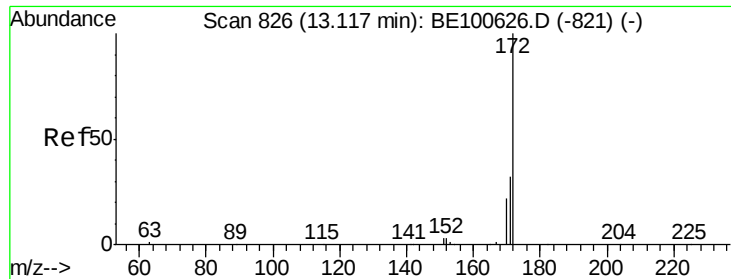
#14
2,4,6-Tribromophenol
Concen: 0.005 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.04 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Tgt Ion:330 Resp: 10
Ion Ratio Lower Upper
330 100
332 40.0 77.9 116.9#
141 8460.0 33.0 49.6#



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





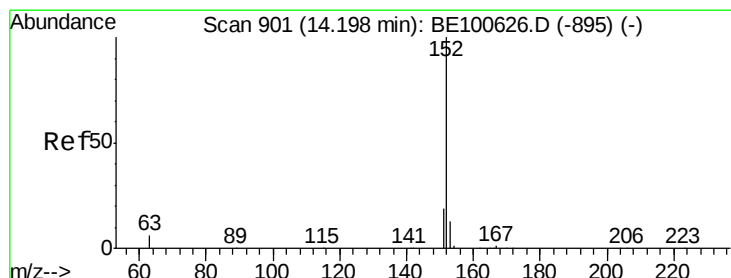
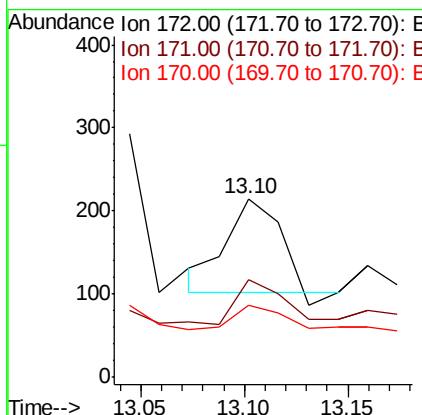
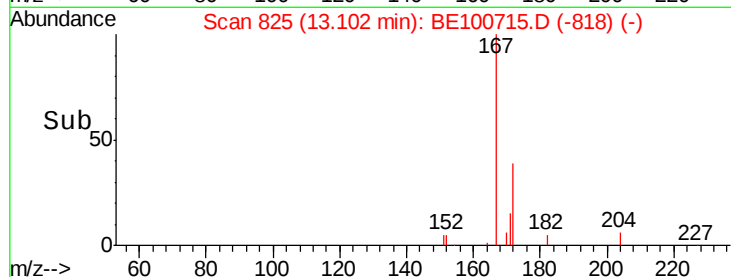
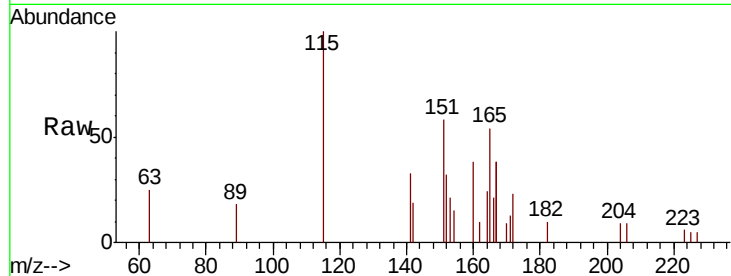
#15
2-Fluorobiphenyl
Concen: 0.007 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Instrument :
BNA_E
ClientSampleId :
SO-4DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	54.9	26.5	39.7#
170	40.5	19.0	28.4#

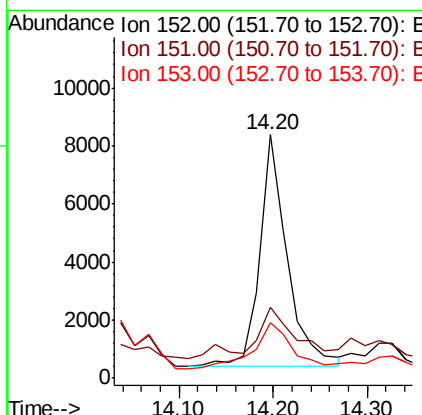
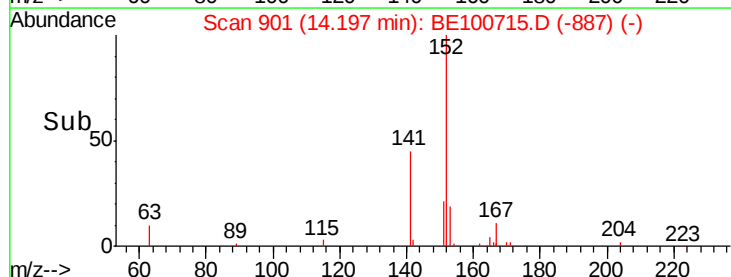
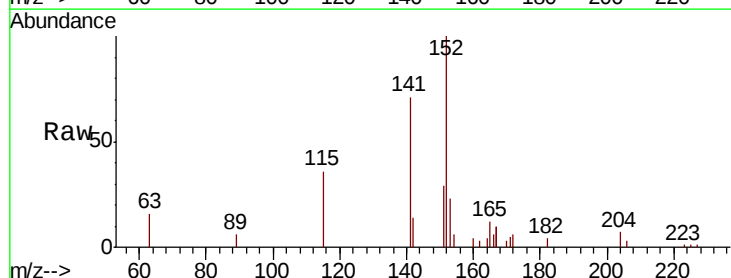
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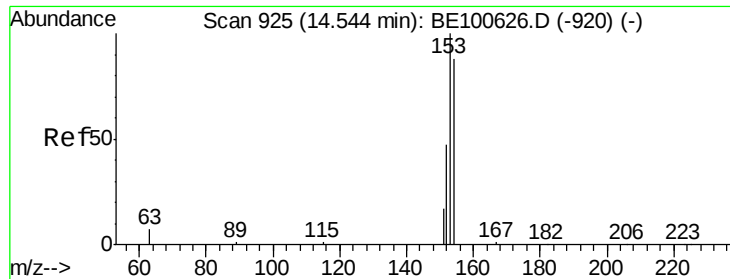
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#16
Acenaphthylene
Concen: 0.498 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	27.4	15.2	22.8#
153	27.8	10.3	15.5#





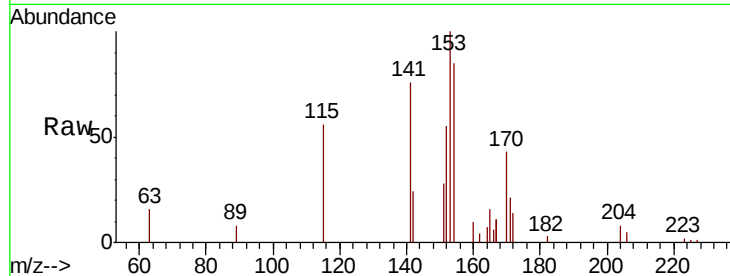
#17
Acenaphthene
Concen: 0.412 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Instrument :
BNA_E
ClientSampleId :
SO-4DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	143.8	89.4	134.2#
152	67.9	44.1	66.1#

Manual Integrations
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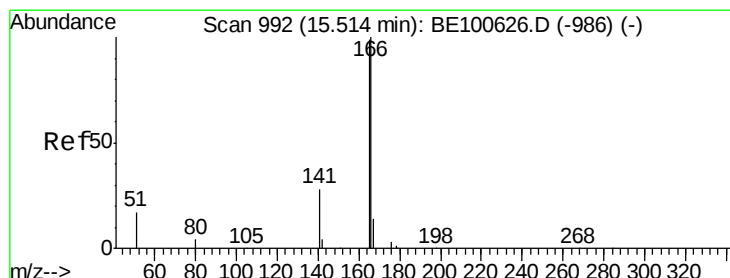
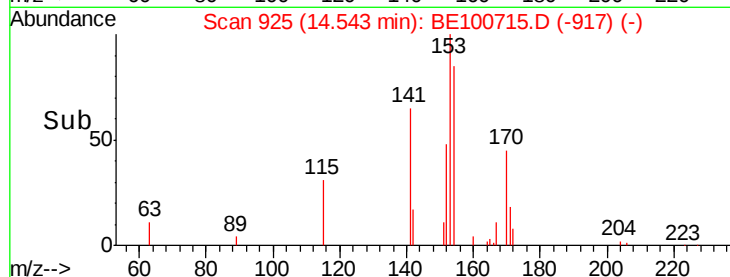
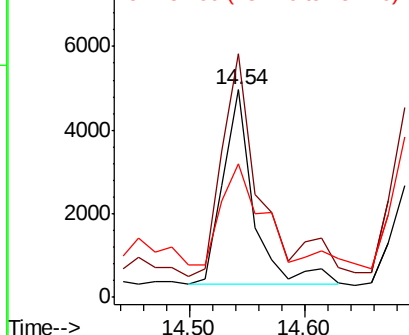


Abundance

Ion 154.00 (153.70 to 154.70): E

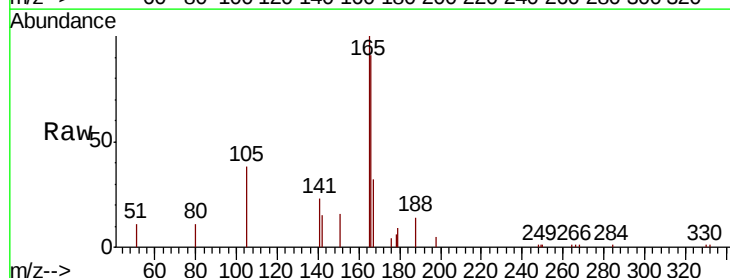
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.504 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.01 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	133.5	78.6	117.8#
167	37.1	10.9	16.3#

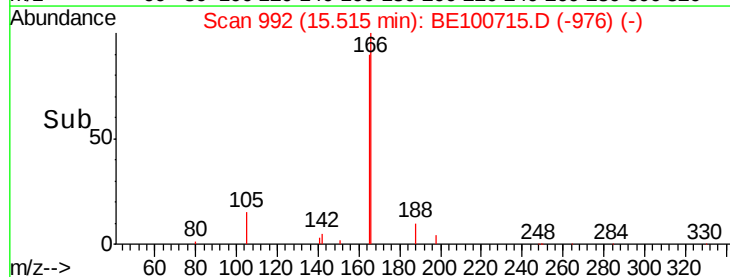
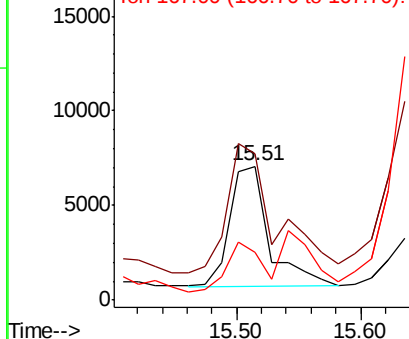


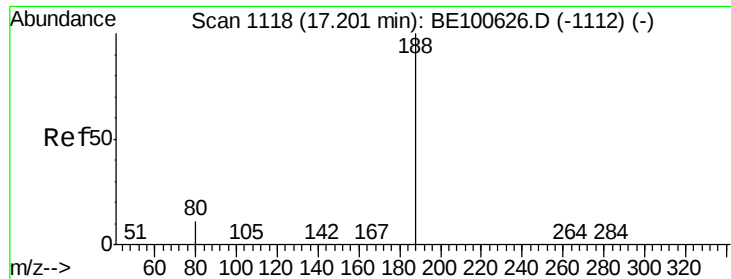
Abundance

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





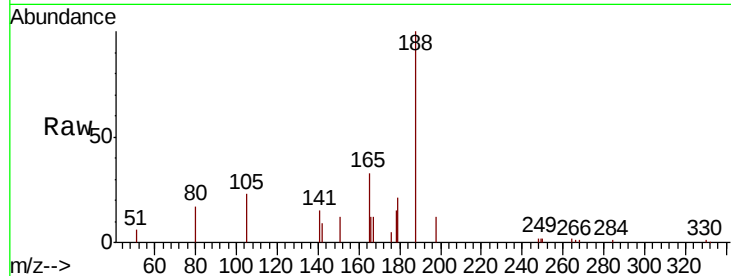
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Instrument :
BNA_E
ClientSampleID :
SO-4DL

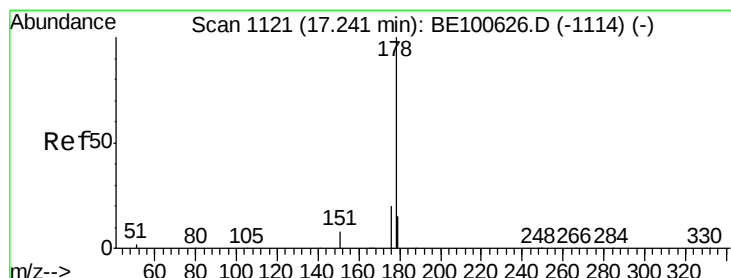
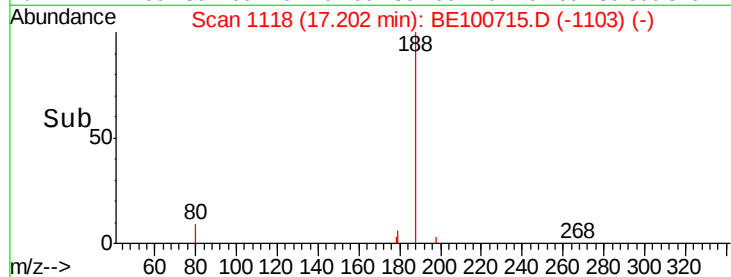
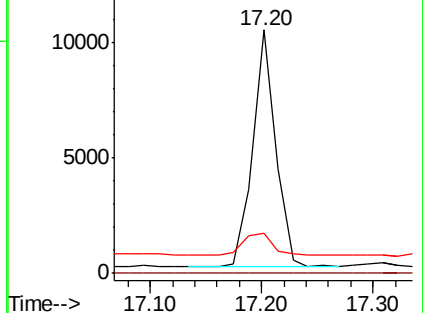
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	16.6	5.4	8.0#

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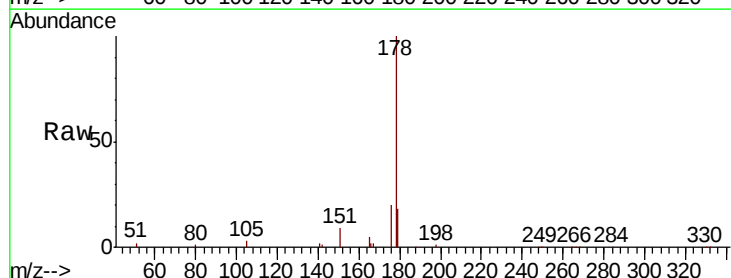


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE1
Ion 80.00 (79.70 to 80.70): BE1

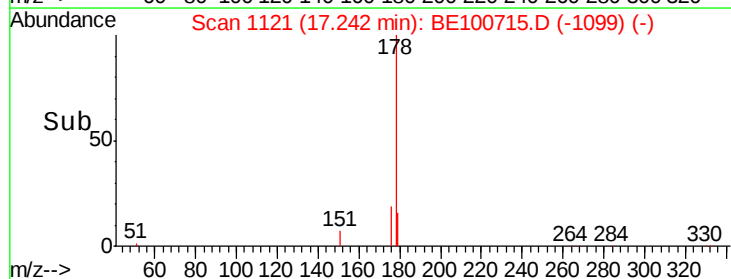
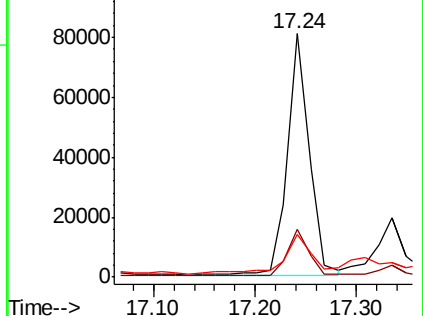


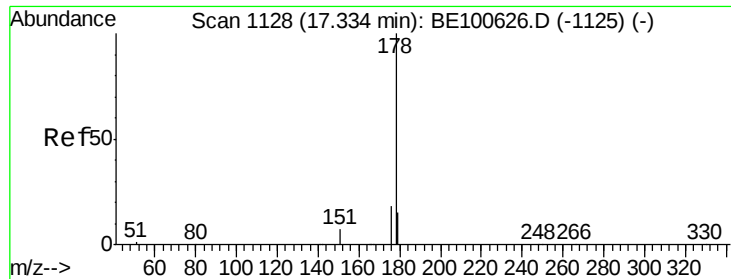
#23
Phenanthrene
Concen: 2.925 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	15.2	22.8
179	20.5	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





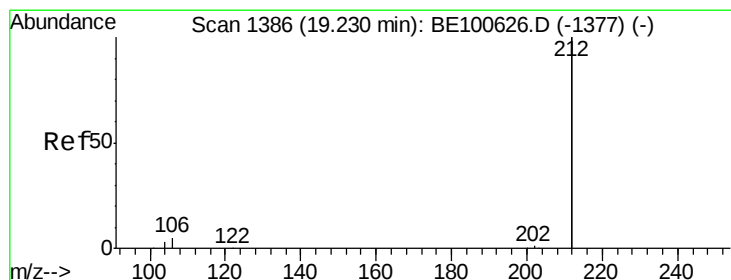
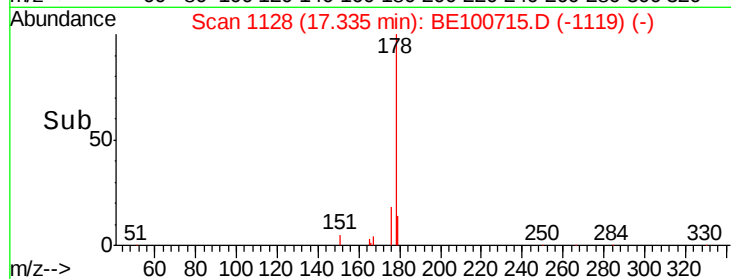
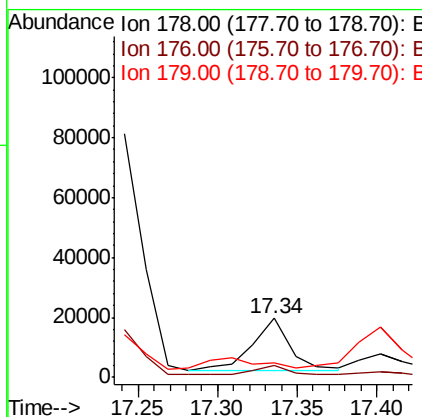
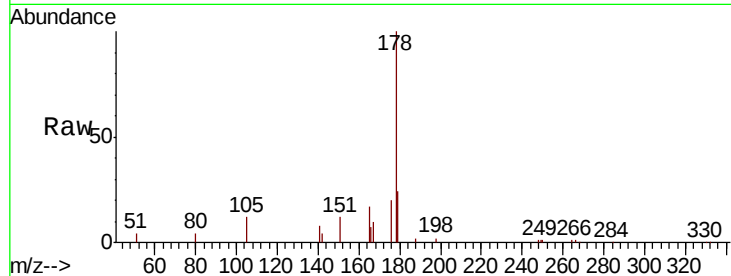
#24
 Anthracene
 Concen: 0.759 ng
 RT: 17.34 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: BE100715.D
 Acq: 8 Nov 2019 13:16

Instrument :
 BNA_E
 ClientSampled :
 SO-4DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.5	15.0	22.4
179	0.0	12.5	18.7#

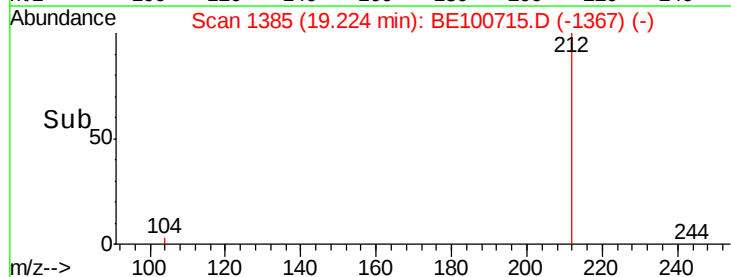
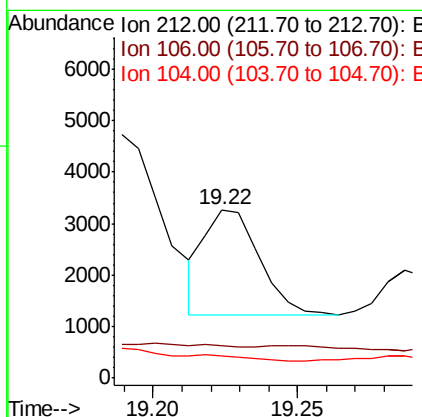
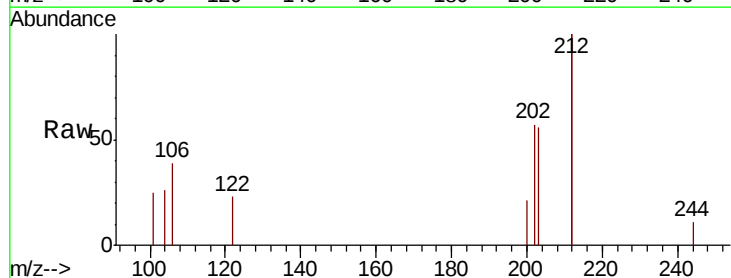
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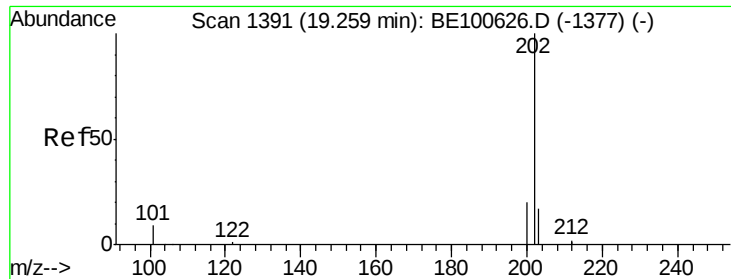
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.014 ng
 RT: 19.22 min Scan# 1385
 Delta R.T. 0.01 min
 Lab File: BE100715.D
 Acq: 8 Nov 2019 13:16

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





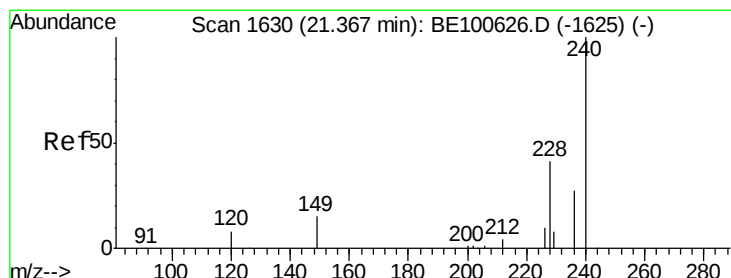
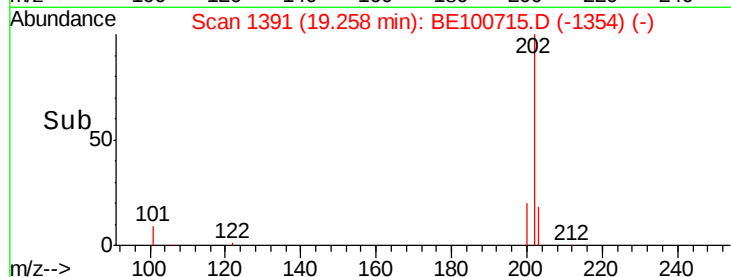
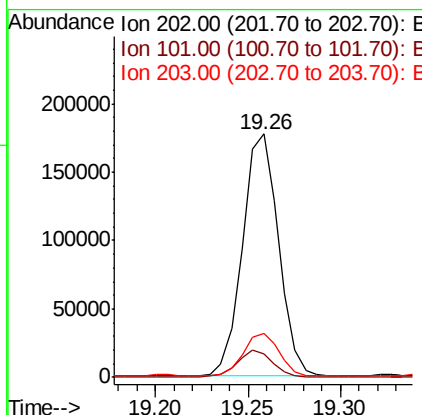
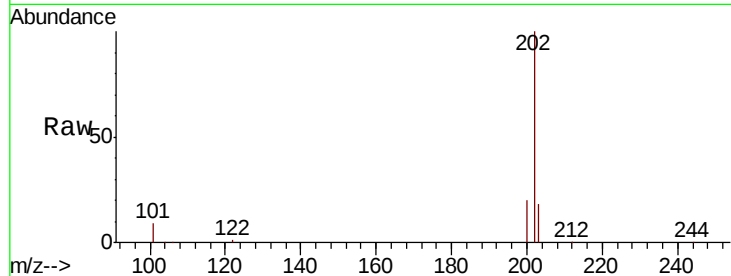
#26
Fluoranthene
Concen: 4.515 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.01 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Instrument :
BNA_E
ClientSampleId :
SO-4DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	239844		
101	10.5		8.5	12.7
203	17.6		13.8	20.8

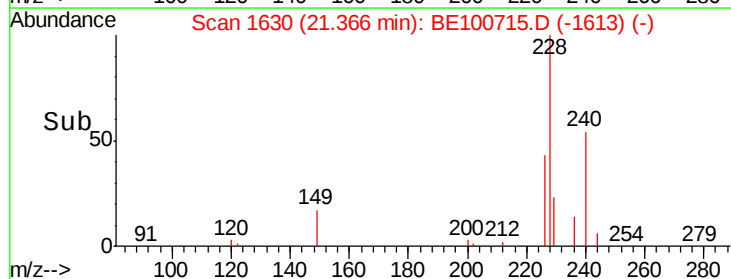
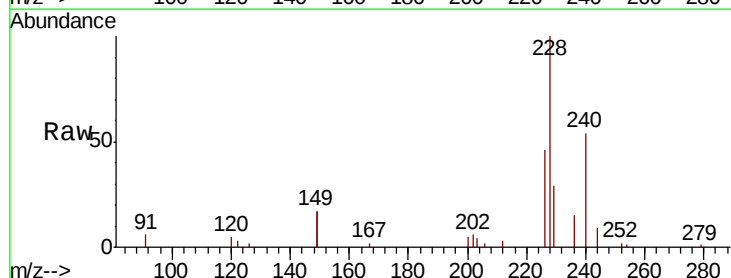
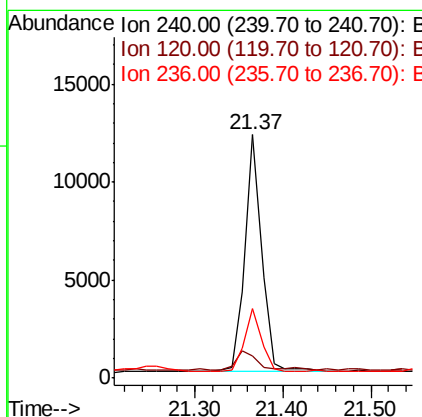
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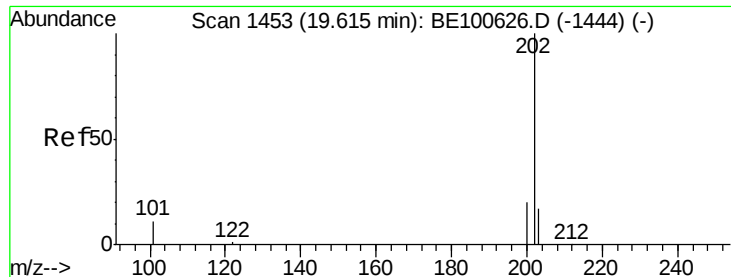
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.01 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	16010		
120	9.2		7.6	11.4
236	28.7		22.1	33.1





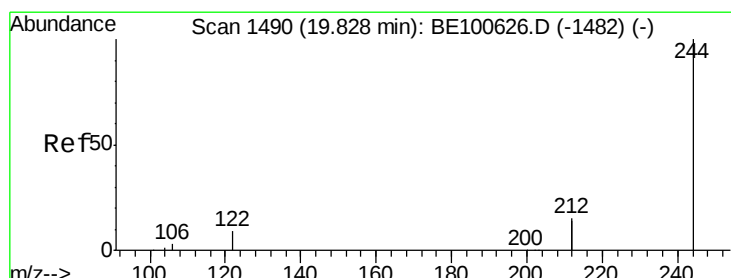
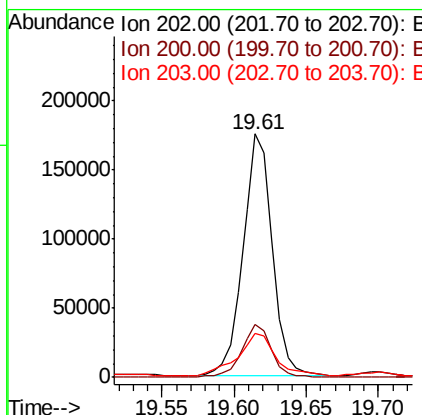
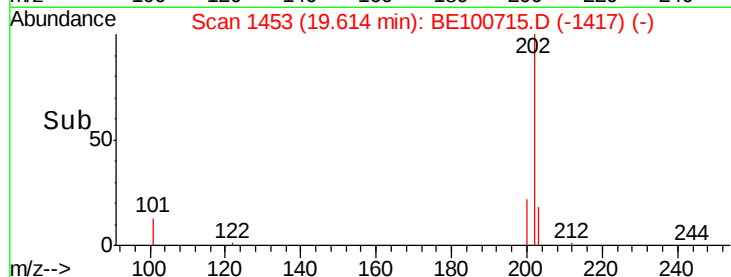
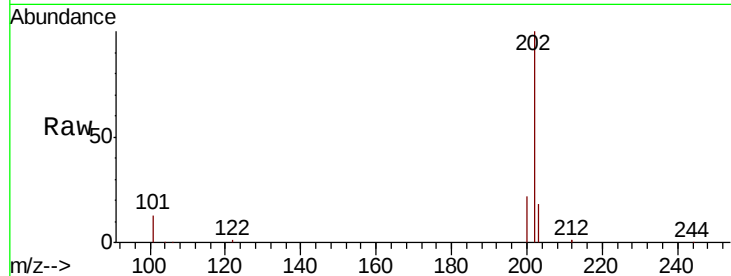
#28
Pvrene
Concen: 5.541 ng
RT: 19.61 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Instrument :
BNA_E
ClientSampleId :
SO-4DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	16.7	25.1
203	23.0	14.0	21.0

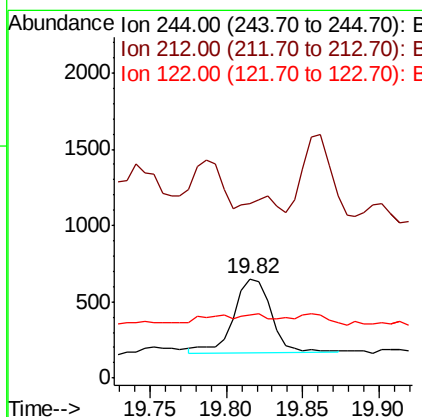
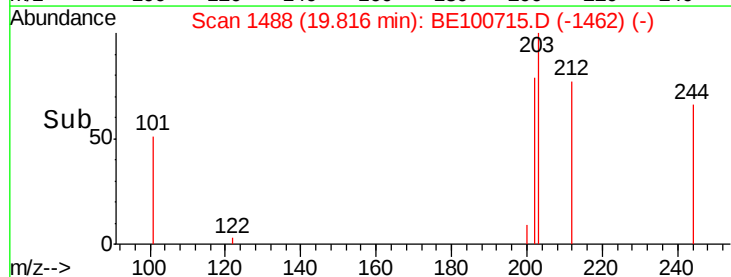
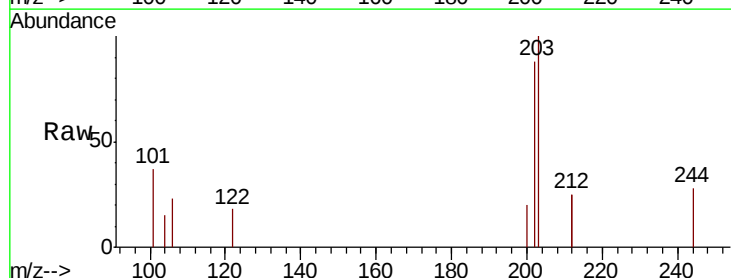
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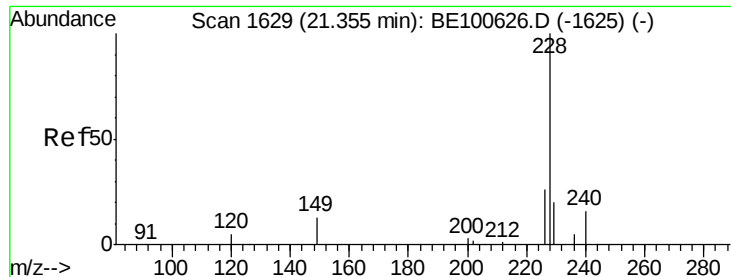
mohammad
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#29
Terphenyl-d14
Concen: 0.024 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.00 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	176.0	23.7	35.5
122	63.6	7.9	11.9





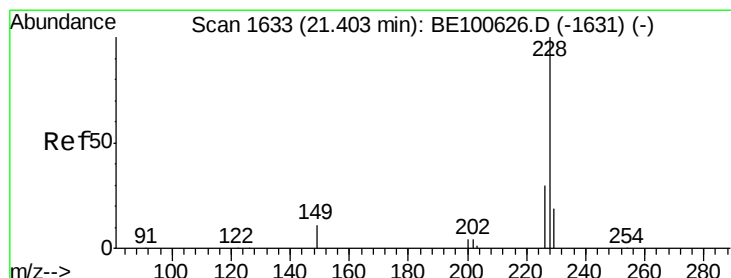
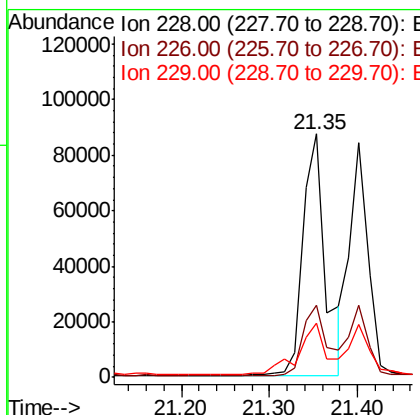
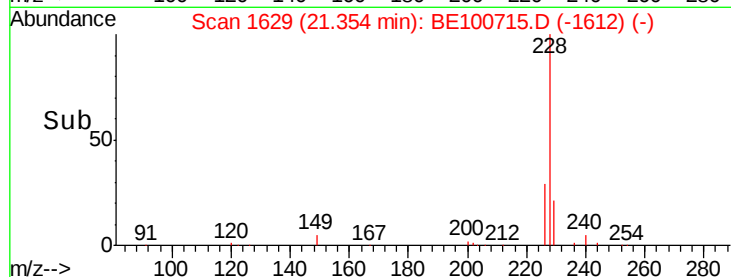
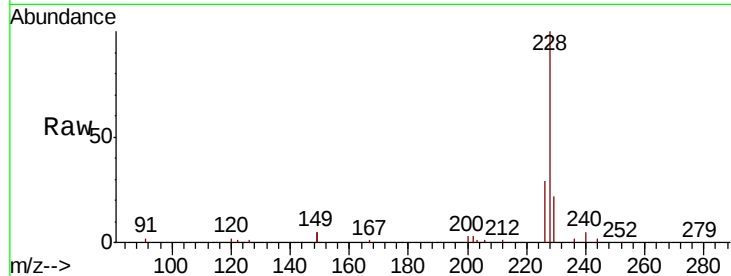
#30
Benzo(a)anthracene
Concen: 2.990 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Instrument :
BNA_E
ClientSampled :
SO-4DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.4	32.0
229	22.4	16.0	24.0

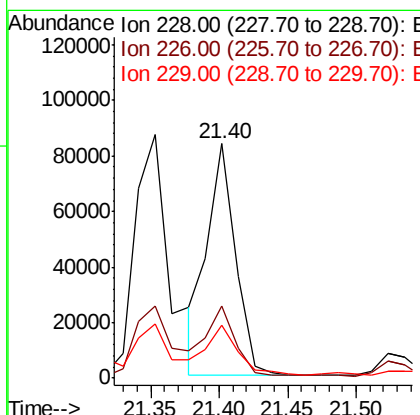
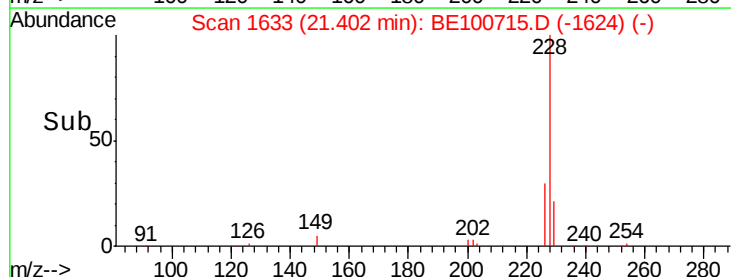
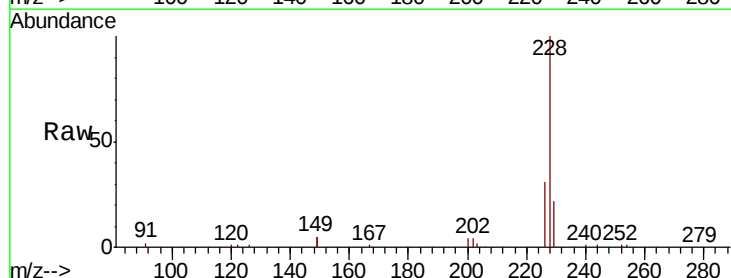
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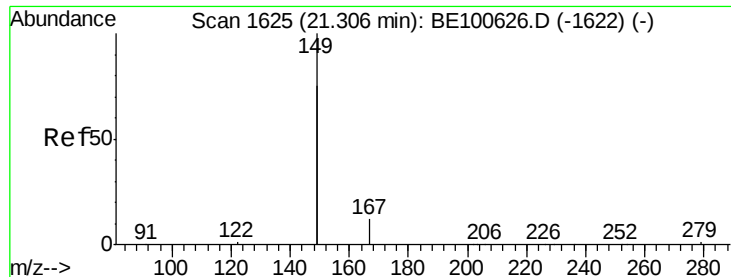
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#31
Chrysene
Concen: 2.297 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.01 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	37.0
229	22.4	15.8	23.8





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.190 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE100715.D

Acq: 8 Nov 2019 13:16

Instrument :

BNA_E

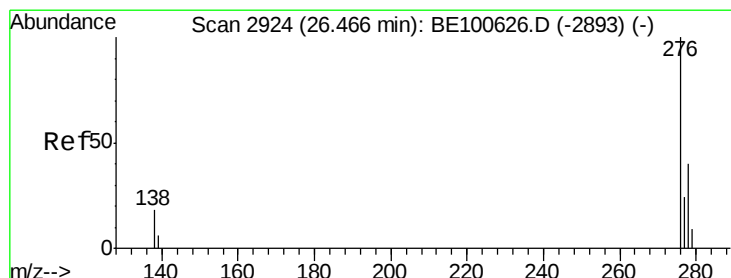
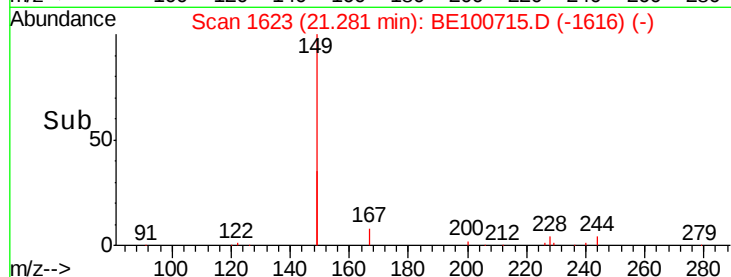
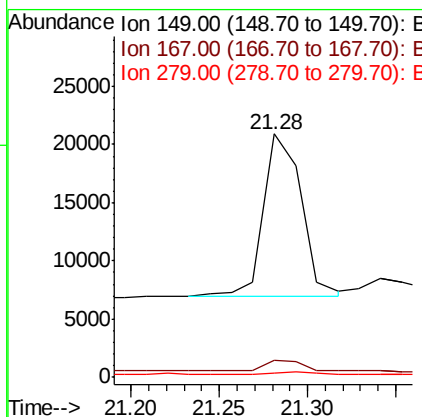
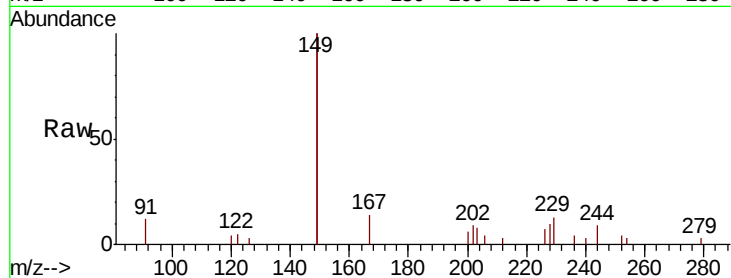
ClientSampled :

SO-4DL

Tot Ion:	149	Resp:	20807
Ion Ratio	Lower	Upper	
149	100		
167	6.9	5.5	8.3
279	1.1	0.9	1.3

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#33

Indeno(1,2,3-cd)pyrene

Concen: 2.044 ng

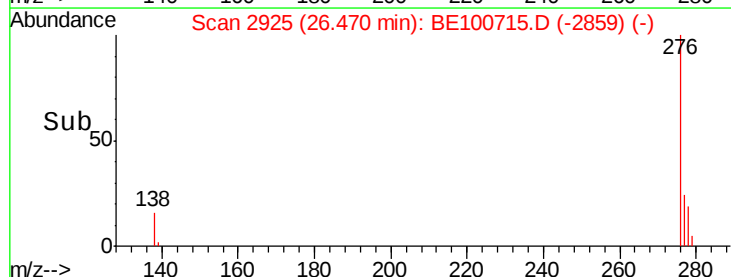
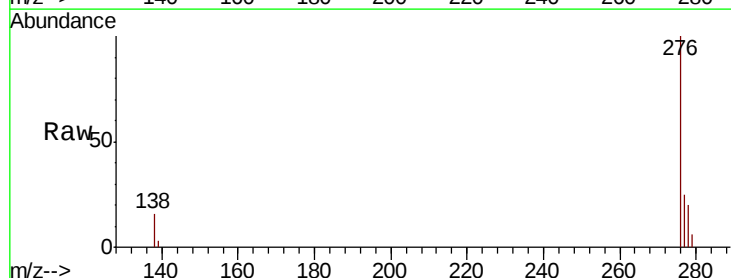
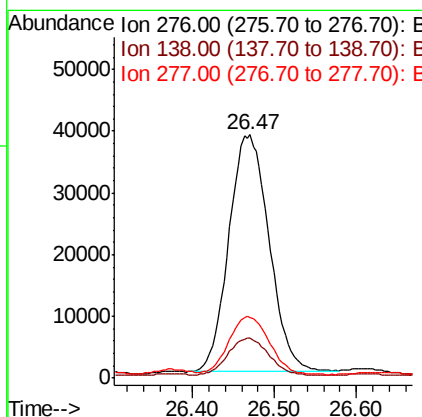
RT: 26.47 min Scan# 2925

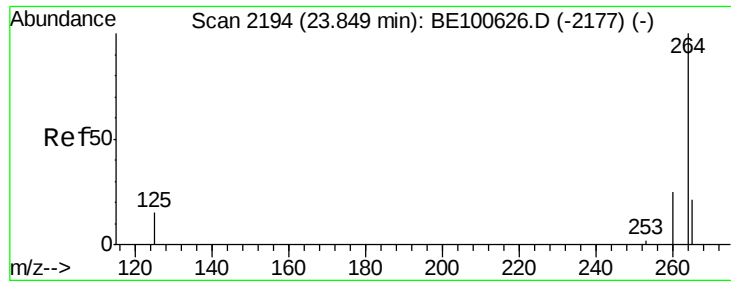
Delta R.T. 0.04 min

Lab File: BE100715.D

Acq: 8 Nov 2019 13:16

Tgt Ion:	276	Resp:	131127
Ion Ratio	Lower	Upper	
276	100		
138	15.7	15.3	22.9
277	24.6	19.4	29.2





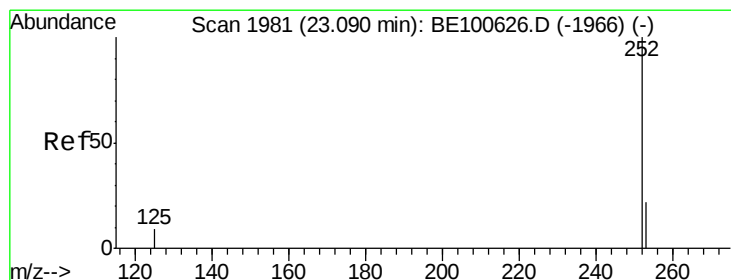
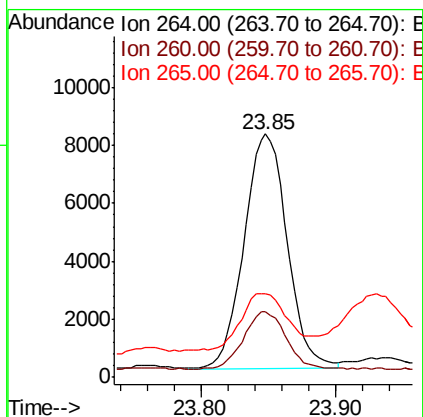
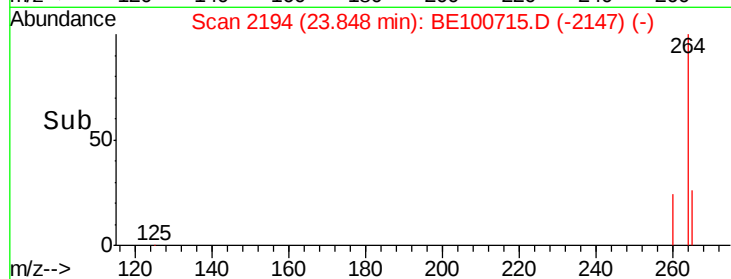
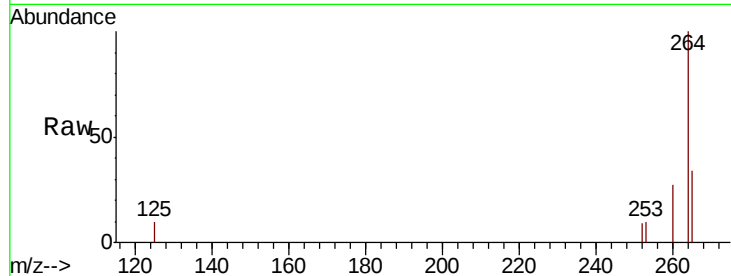
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.85 min Scan# 2194
 Delta R.T. 0.02 min
 Lab File: BE100715.D
 Acq: 8 Nov 2019 13:16

Instrument :
 BNA_E
 ClientSampleId :
 SO-4DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.9	19.4	29.2
265	34.2	21.7	32.5

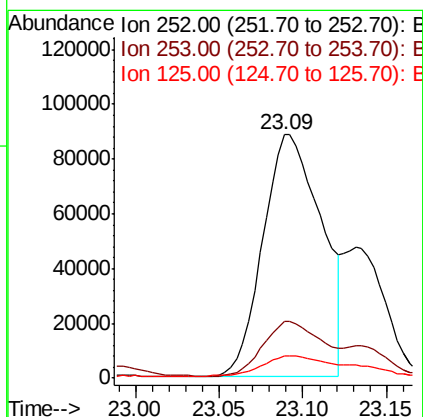
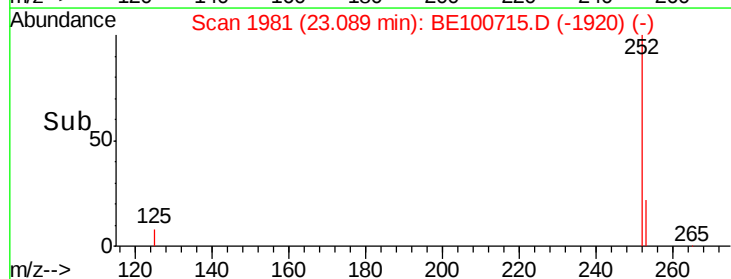
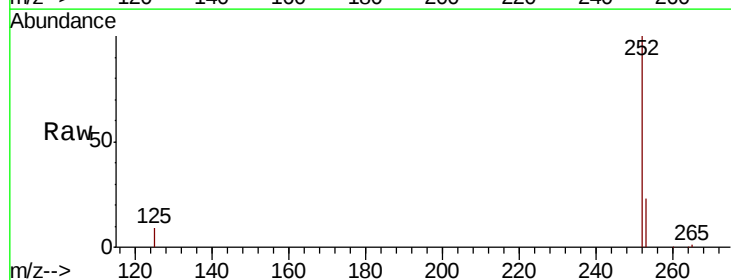
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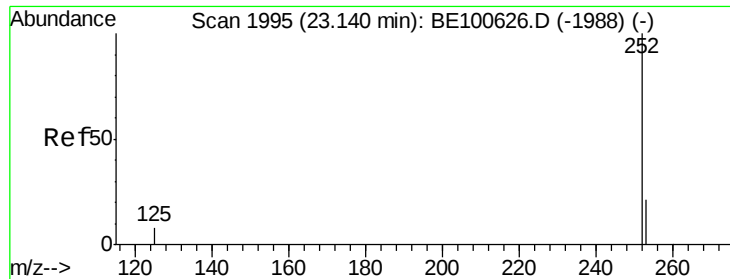
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#35
 Benzo(b)fluoranthene
 Concen: 4.122 ng
 RT: 23.09 min Scan# 1981
 Delta R.T. 0.02 min
 Lab File: BE100715.D
 Acq: 8 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	9.0	7.6	11.4





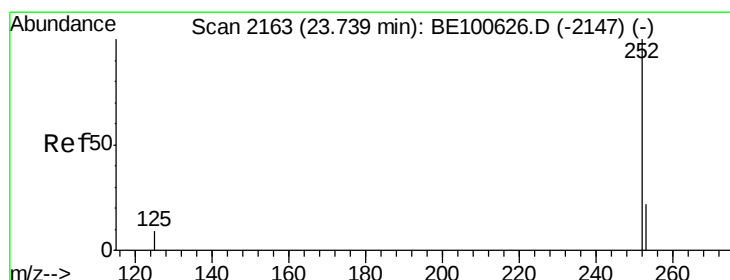
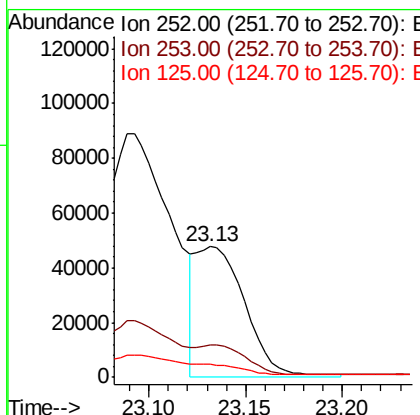
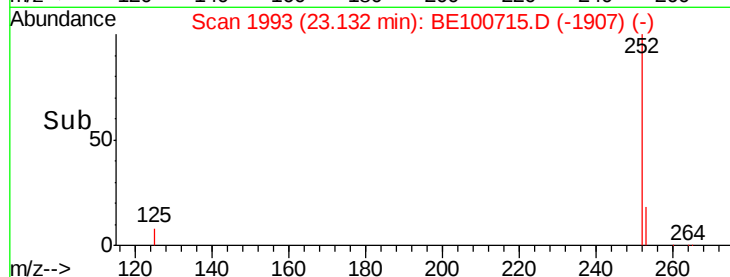
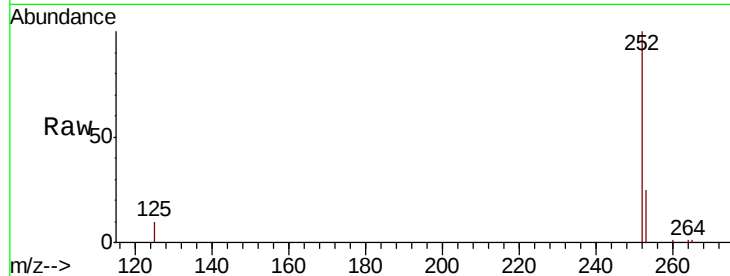
#36
Benzo(k)fluoranthene
Concen: 1.581 ng m
RT: 23.13 min Scan# 1993
Delta R.T. 0.01 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Instrument :
BNA_E
ClientSampled :
SO-4DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.4	27.6
125	9.8	11.6	17.4

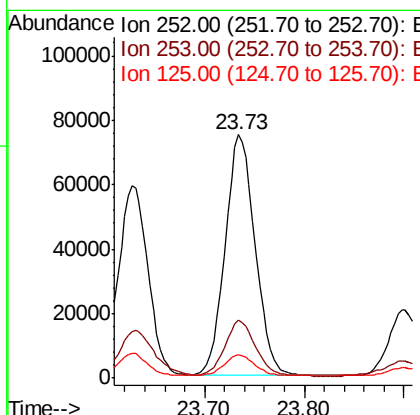
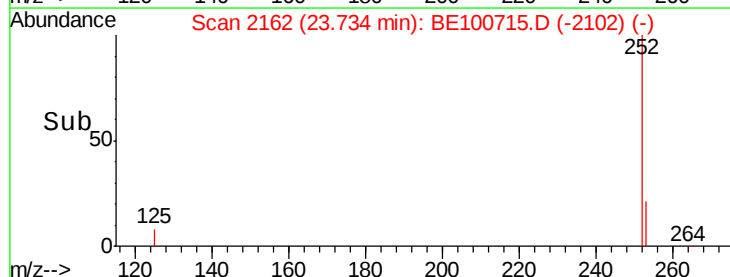
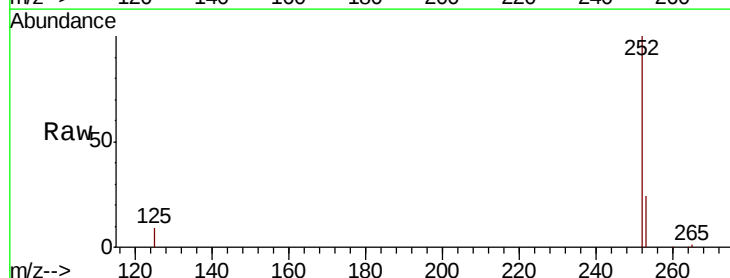
Manual Integrations
APPROVED

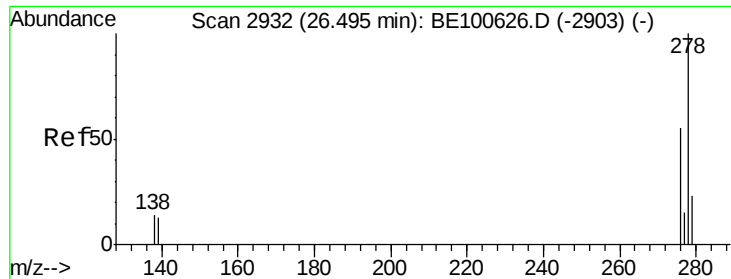
mohammad
11/11/2019 8:09:49 AM



#37
Benzo(a)pyrene
Concen: 3.205 ng
RT: 23.73 min Scan# 2162
Delta R.T. 0.01 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	9.5	8.2	12.4





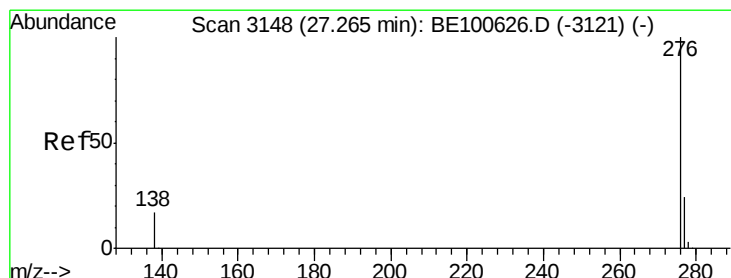
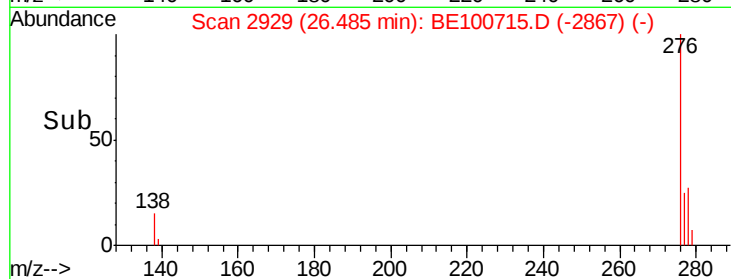
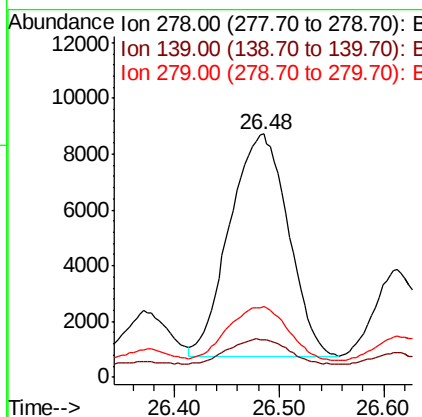
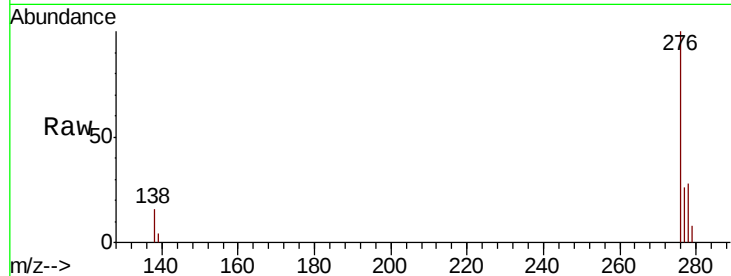
#38
Dibenzo(a,h)anthracene
Concen: 0.613 ng
RT: 26.48 min Scan# 2929
Delta R.T. 0.02 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Instrument :
BNA_E
ClientSampleId :
SO-4DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.6	10.9	16.3
279	29.0	19.4	29.2

Manual Integrations
APPROVED

mohammad
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#39
Benzo(g,h,i)perylene
Concen: 2.704 ng
RT: 27.28 min Scan# 3151
Delta R.T. 0.04 min
Lab File: BE100715.D
Acq: 8 Nov 2019 13:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.4	29.0
138	16.8	13.6	20.4

