

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111519\
 Data File : BE100742.D
 Acq On : 15 Nov 2019 18:07
 Operator : JU
 Sample : K5728-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-034-SW091-110619-4

Manual Integrations
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Quant Time: Nov 15 23:17:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 15 15:55:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	3363	0.40	ng	0.00
7) Naphthalene-d8	10.55	136	14507	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	9504	0.40	ng	-0.01
19) Phenanthrene-d10	17.13	188	21287	0.40	ng	0.00
27) Chrysene-d12	21.29	240	22897	0.40	ng	0.00
34) Perylene-d12	23.73	264	25458	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	1817	0.19	ng	0.00
5) Phenol-d6	6.94	99	3165	0.23	ng	0.00
8) Nitrobenzene-d5	8.91	82	2316	0.19	ng	0.00
11) 2-Methylnaphthalene-d10	12.15	152	4432	0.19	ng	0.00
14) 2,4,6-Tribromophenol	15.89	330	259	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	5839	0.17	ng	0.00
25) Fluoranthene-d10	19.16	212	47167	0.17	ng	0.00
29) Terphenyl-d14	19.75	244	9172	0.17	ng	0.00

Target Compounds					Qvalue	
9) Naphthalene	10.60	128	34987	0.233	ng	100
12) 2-Methylnaphthalene	12.22	142	7344	0.286	ng	97
16) Acenaphthylene	14.13	152	30296	0.788	ng	97
17) Acenaphthene	14.47	154	4206	0.167	ng	93
18) Fluorene	15.43	166	12892	0.373	ng	# 86
23) Phenanthrene	17.17	178	349367	6.020	ng	99
24) Anthracene	17.25	178	30570	0.590	ng	98
26) Fluoranthene	19.18	202	486761	6.282	ng	98
28) Pyrene	19.55	202	711863	11.184	ng	96
30) Benzo(a)anthracene	21.28	228	321703	4.378	ng	93
31) Chrysene	21.33	228	362134	4.855	ng	98
32) Bis(2-ethylhexyl)phthalate	21.22	149	24419	0.187	ng	97
33) Indeno(1,2,3-cd)pyrene	26.29	276	165135	1.889	ng	97
35) Benzo(b)fluoranthene	22.99	252	336053	4.523	ng	99
36) Benzo(k)fluoranthene	23.03	252	94238m	1.211	ng	
37) Benzo(a)pyrene	23.62	252	263282	3.803	ng	99
38) Dibenzo(a,h)anthracene	26.30	278	49131	0.681	ng	95
39) Benzo(a,h,i)perylene	27.08	276	192579	2.720	ng	99

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

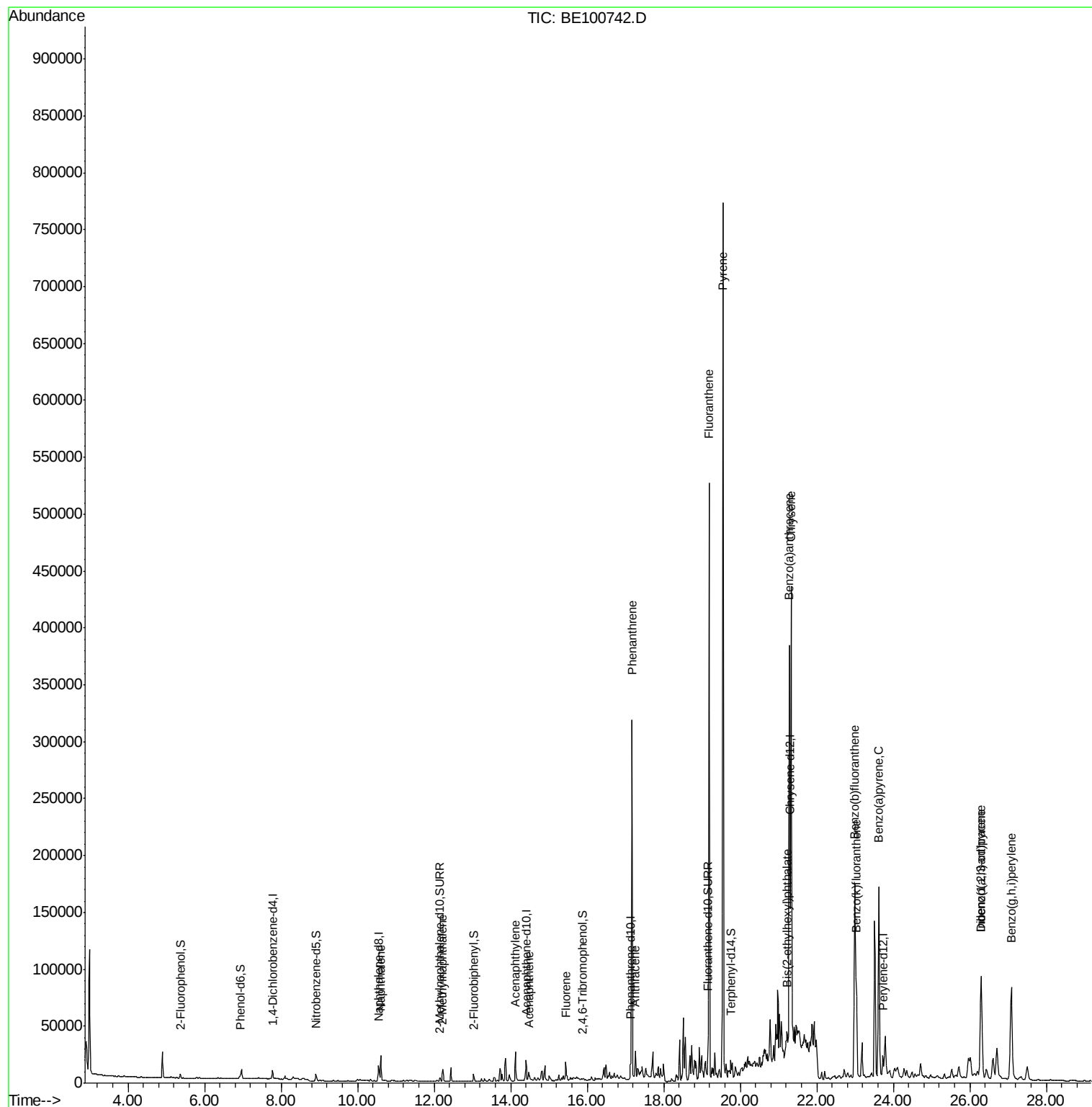
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111519\
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#1

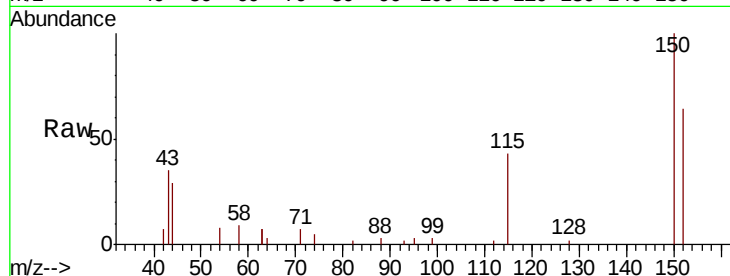
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. -0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW091-110619-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	123.4	185.0
115	66.1	52.1	78.1

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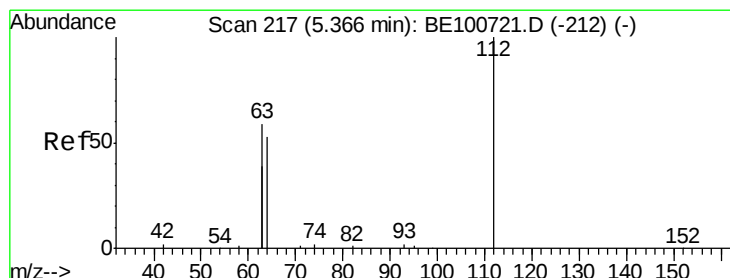
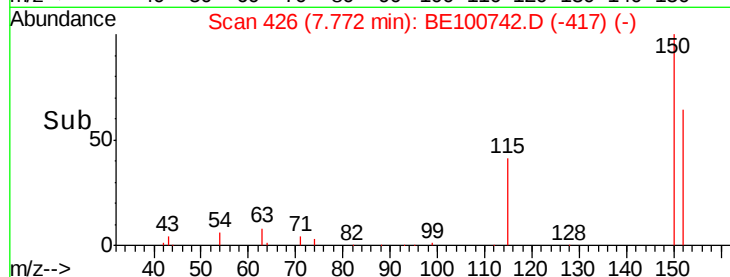
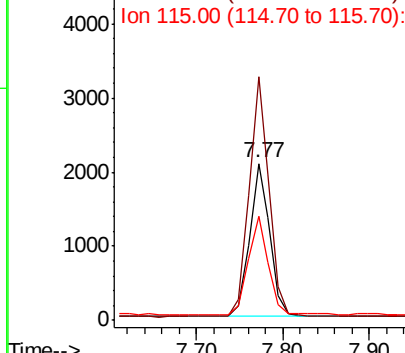


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

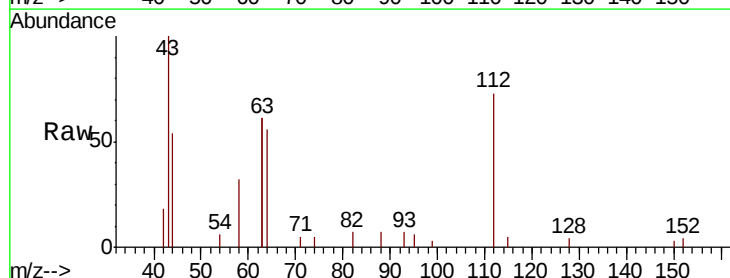
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.185 ng
RT: 5.36 min Scan# 217
Delta R.T. -0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.7	58.3	87.5
63	143.5	115.4	173.2

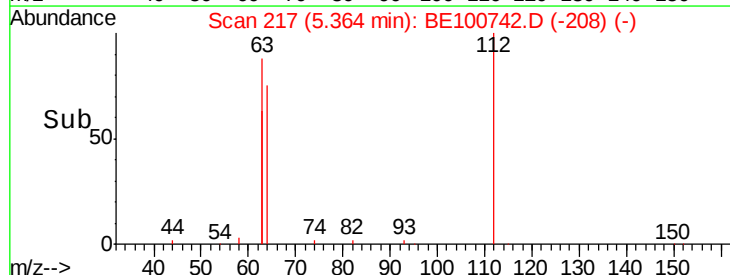
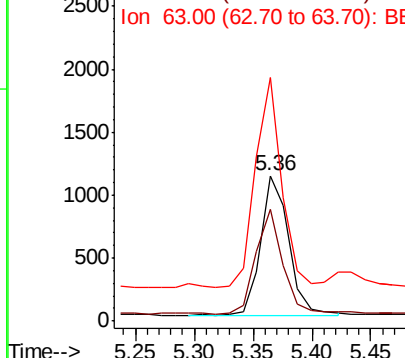


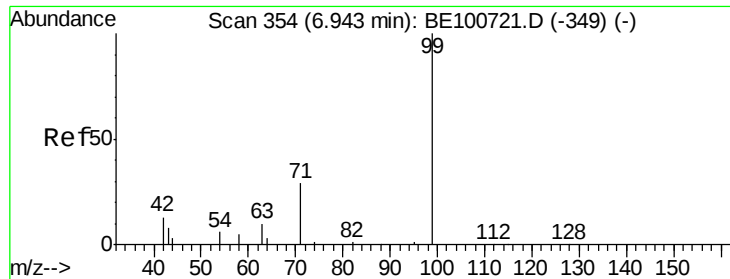
Abundance

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: 0.228 ng

RT: 6.94 min Scan# 354

Delta R.T. -0.00 min

Lab File: BE100742.D

Acq: 15 Nov 2019 18:07

Instrument :

BNA_E

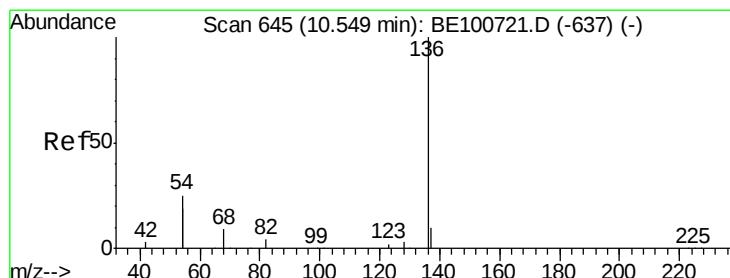
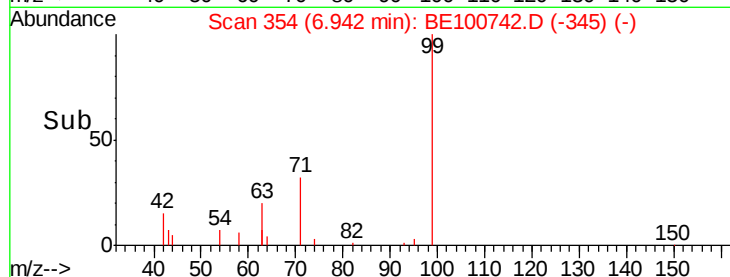
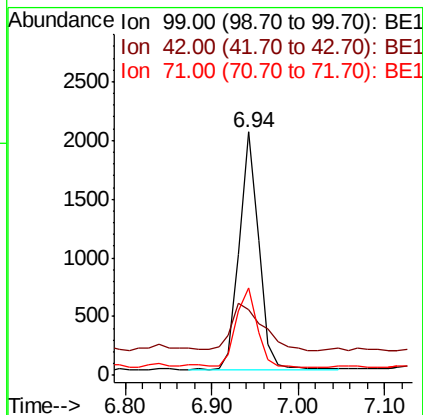
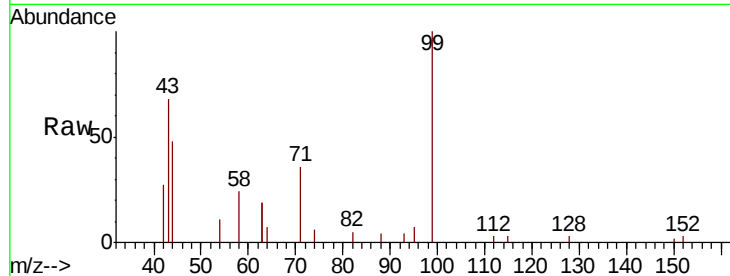
ClientSampleId :

EXT-034-SW091-110619-4

Tot Ion:	99	Resp:	3165
Ion	Ratio	Lower	Upper
99	100		
42	31.8	17.8	26.6#
71	35.4	27.3	40.9

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#7

Naphthalene-d8

Concen: 0.400 ng

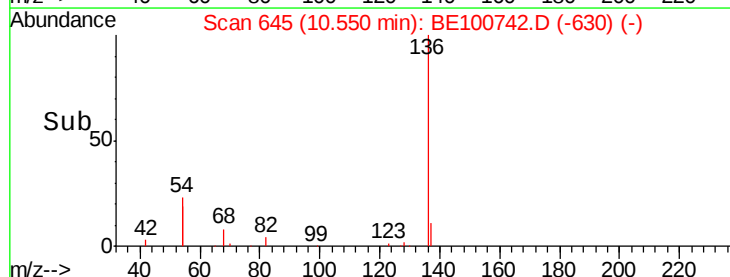
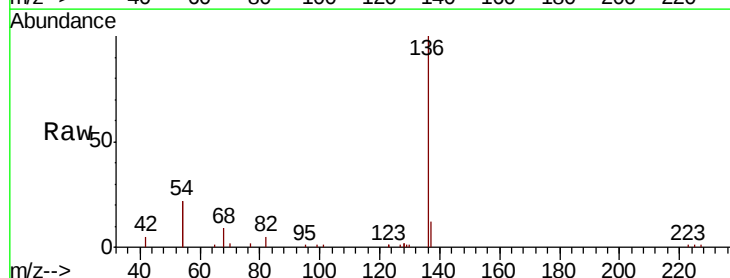
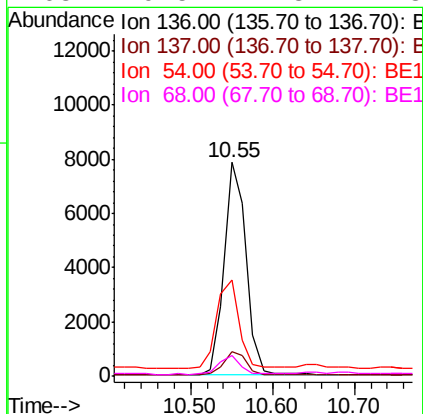
RT: 10.55 min Scan# 645

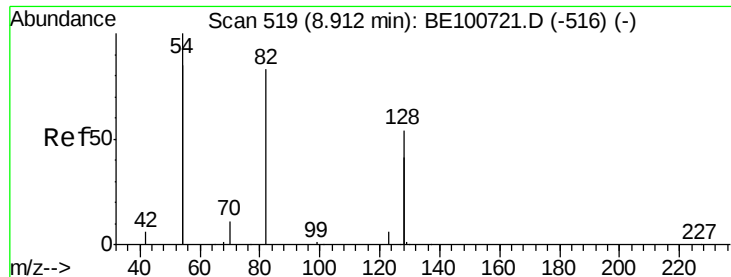
Delta R.T. 0.00 min

Lab File: BE100742.D

Acq: 15 Nov 2019 18:07

Tgt Ion:	136	Resp:	14507
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	44.9	39.0	58.6
68	9.5	7.8	11.8





#8

Nitrobenzene-d5

Concen: 0.188 ng

RT: 8.91 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE100742.D

Acq: 15 Nov 2019 18:07

Instrument :

BNA_E

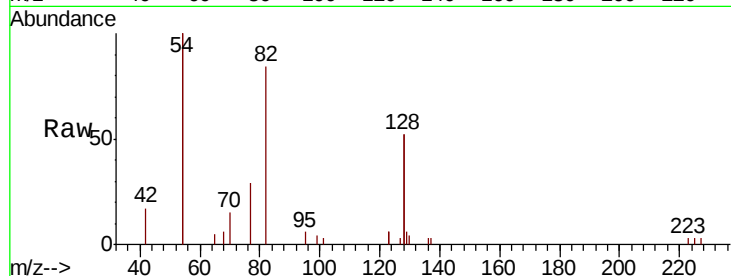
ClientSampleId :

EXT-034-SW091-110619-4

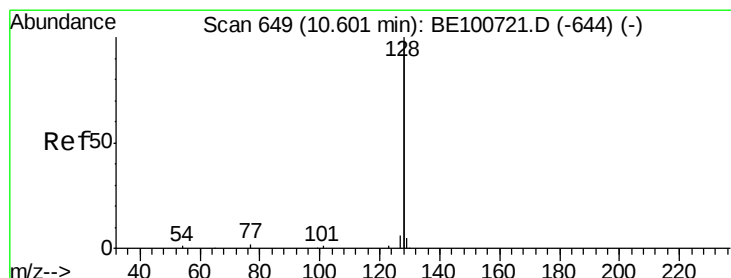
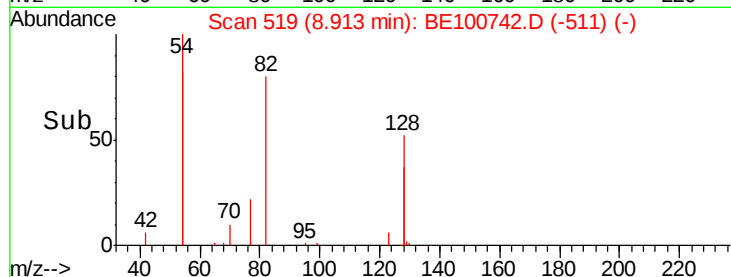
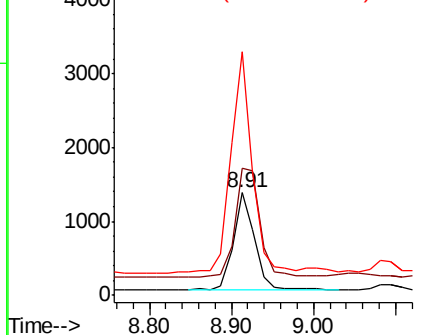
Tot Ion:	82	Resp:	2316
Ion	Ratio	Lower	Upper
82	100		
128	124.5	99.6	149.4
54	237.7	183.8	275.8

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Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.233 ng

RT: 10.60 min Scan# 649

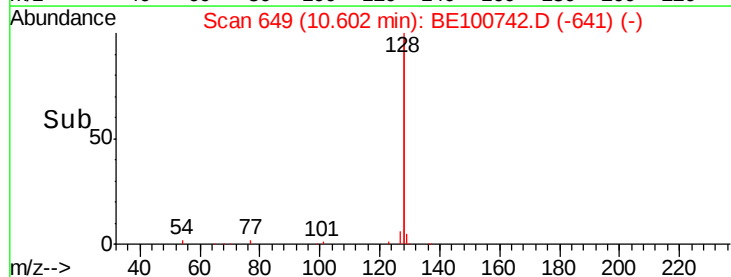
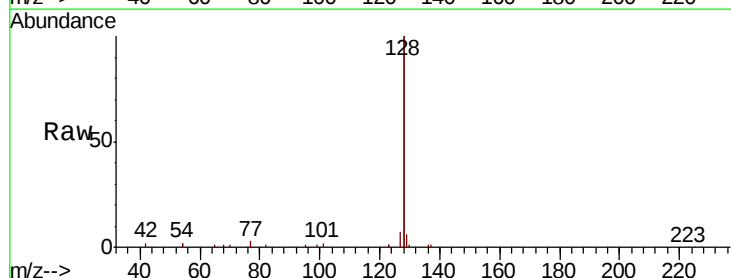
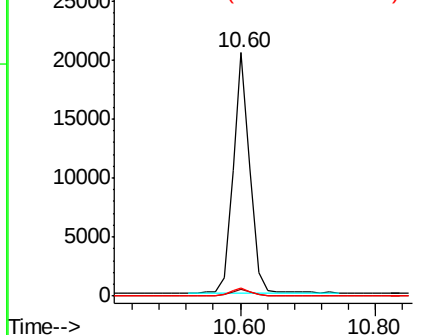
Delta R.T. 0.00 min

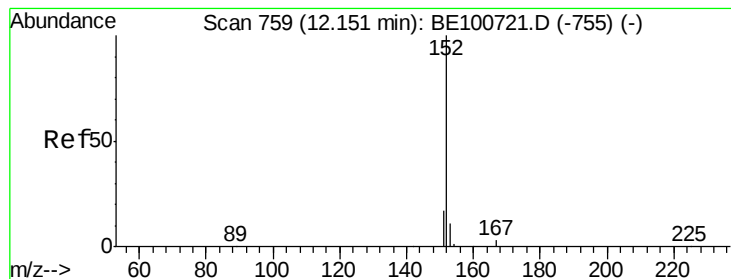
Lab File: BE100742.D

Acq: 15 Nov 2019 18:07

Tgt Ion:	128	Resp:	34987
Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.4	3.6
127	3.5	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





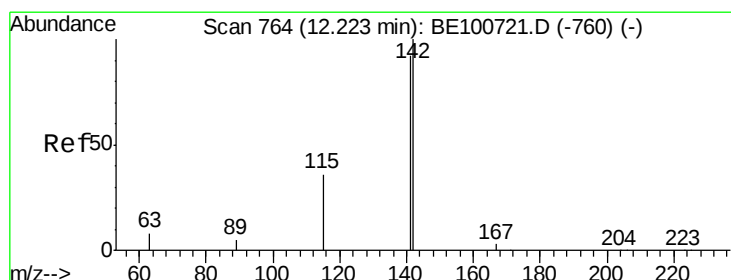
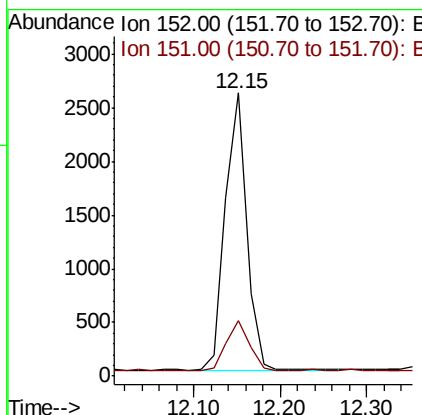
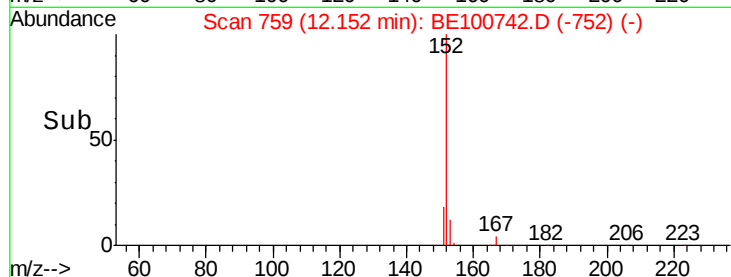
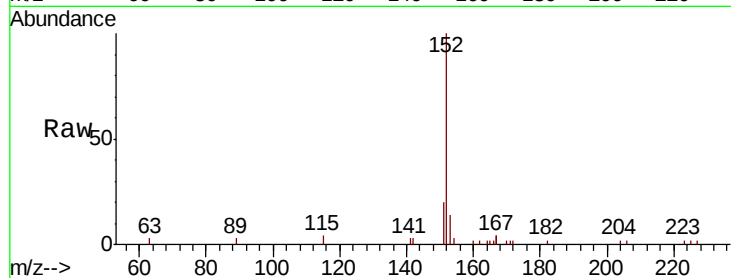
#11
2-Methylnaphthalene-d10
Concen: 0.192 ng
RT: 12.15 min Scan# 759
Delta R.T. 0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW091-110619-4

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.2	14.2	21.4

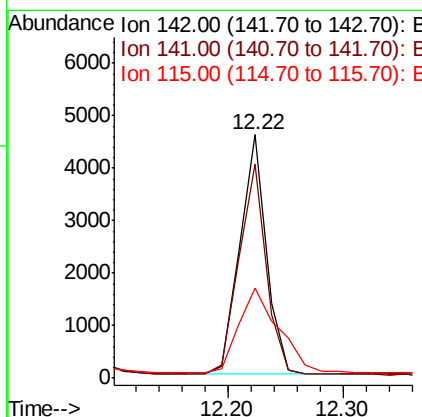
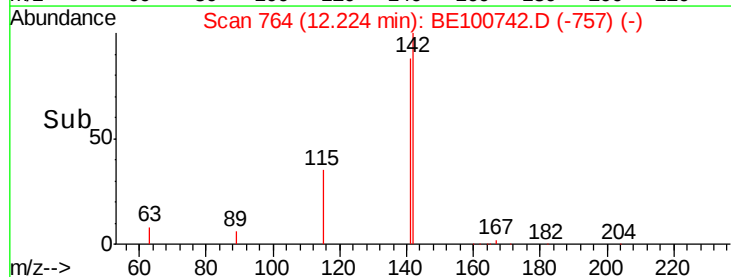
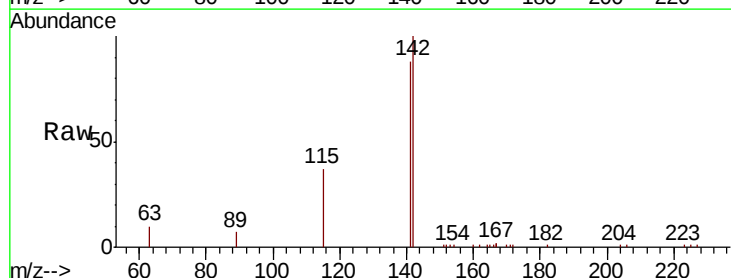
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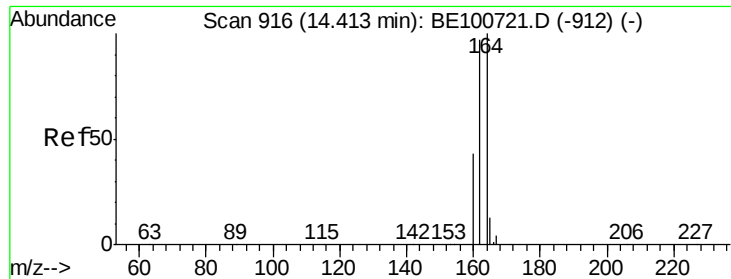
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#12
2-Methylnaphthalene
Concen: 0.286 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	73.3	109.9
115	36.9	29.9	44.9





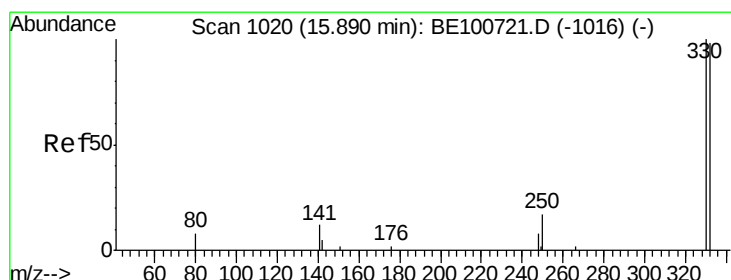
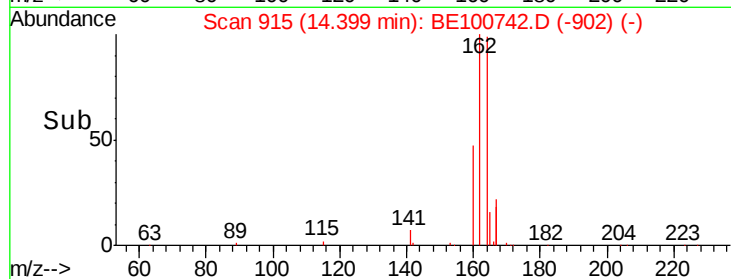
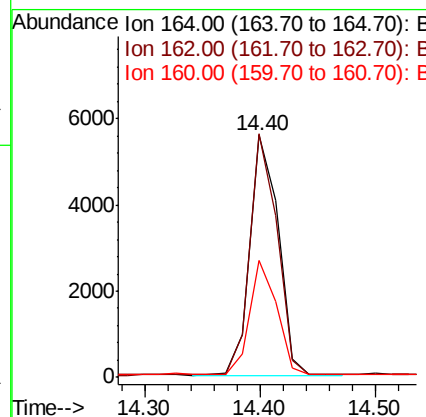
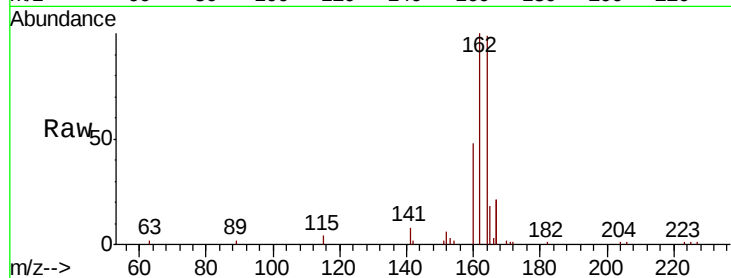
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.01 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Instrument :
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EXT-034-SW091-110619-4

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.7	77.8	116.8
160	48.1	35.3	52.9

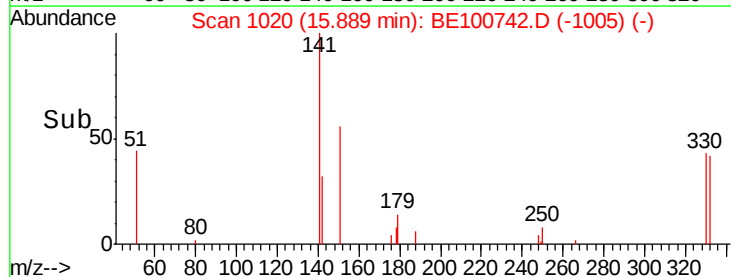
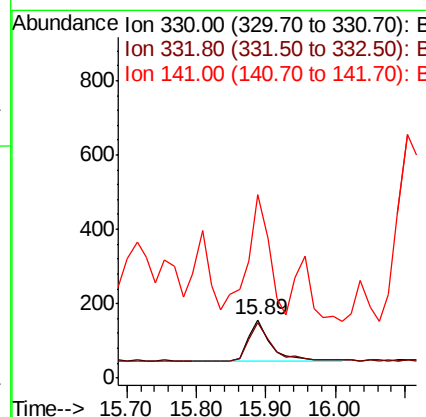
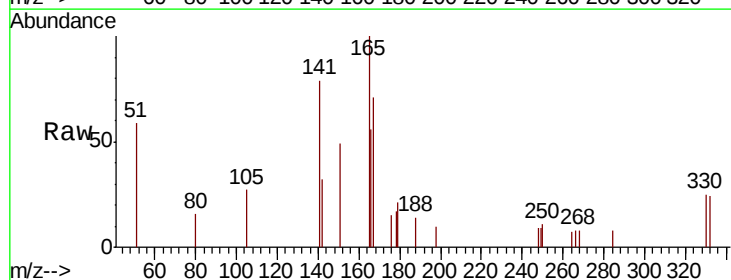
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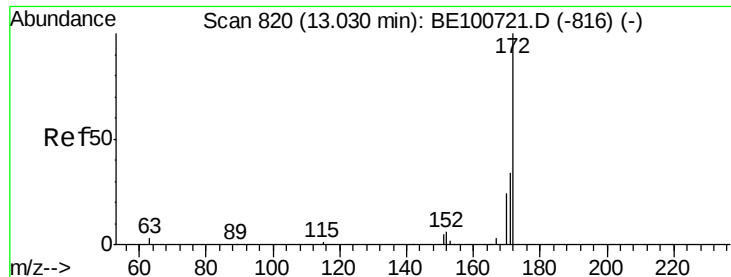
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#14
2,4,6-Tribromophenol
Concen: 0.375 ng
RT: 15.89 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	85.0	127.6
141	271.0	28.2	42.2#





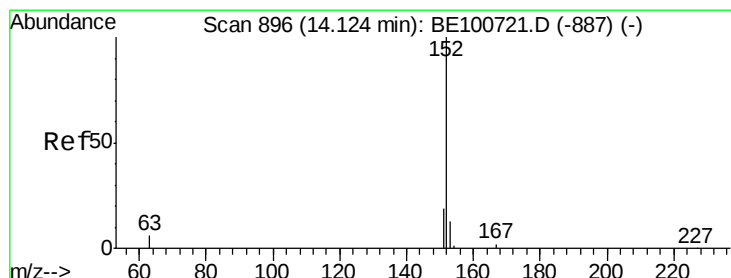
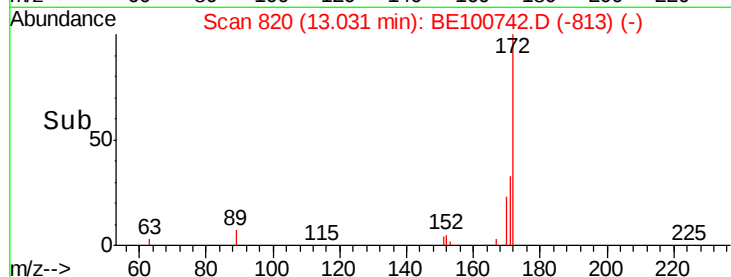
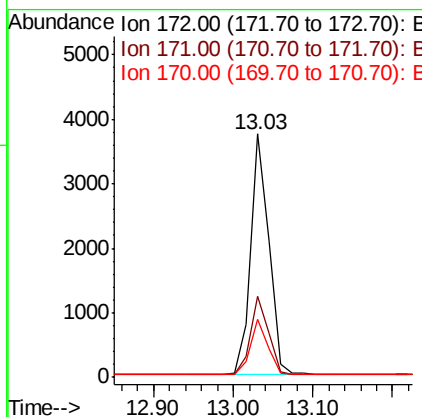
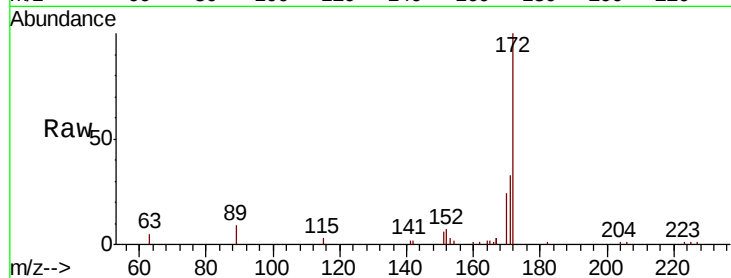
#15
2-Fluorobiphenyl
Concen: 0.168 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW091-110619-4

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.4	28.1	42.1
170	23.6	19.8	29.6

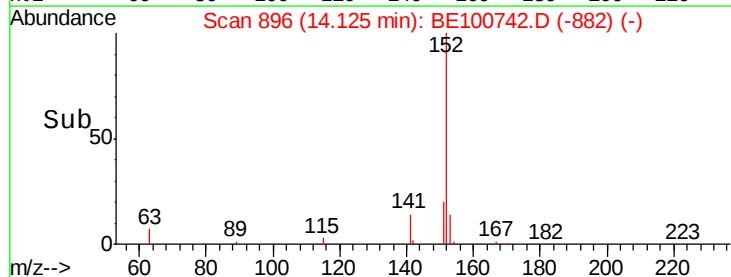
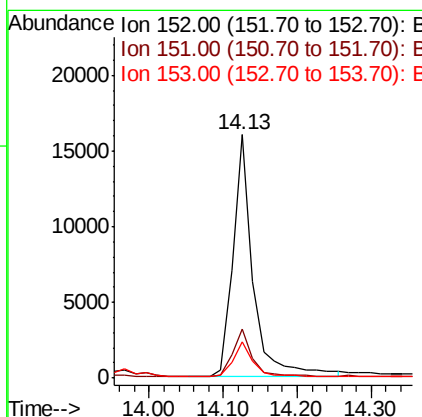
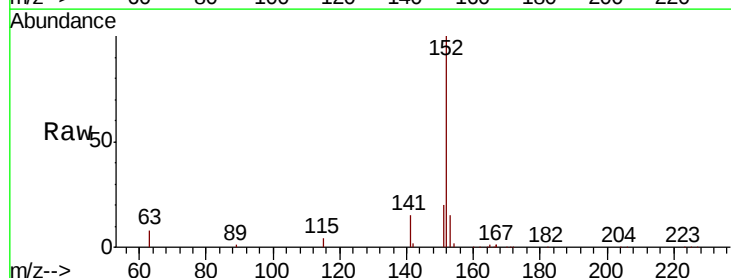
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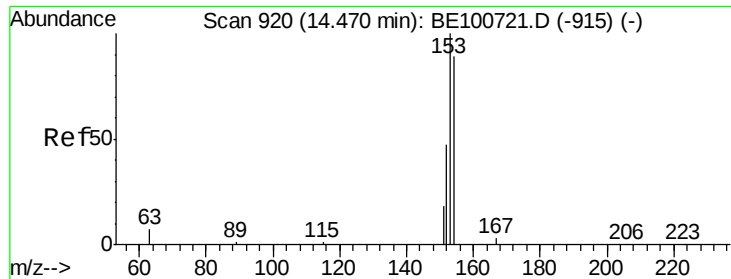
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#16
Acenaphthylene
Concen: 0.788 ng
RT: 14.13 min Scan# 896
Delta R.T. 0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	14.9	22.3
153	14.6	10.7	16.1





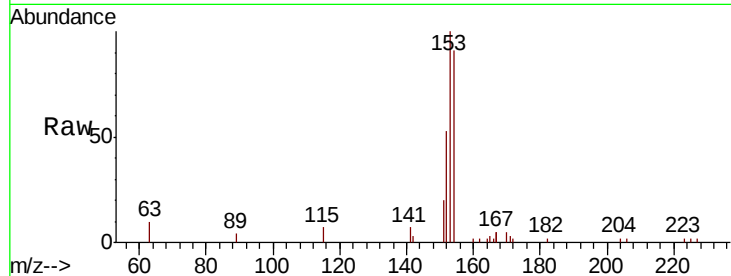
#17
Acenaphthene
Concen: 0.167 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW091-110619-4

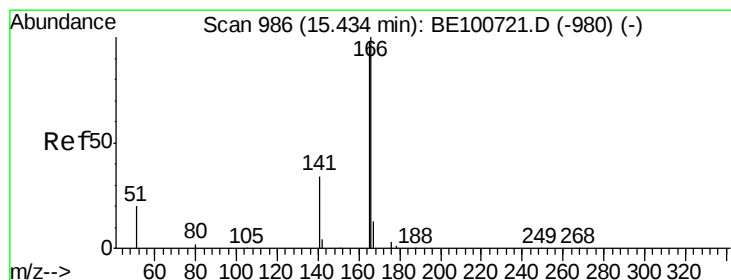
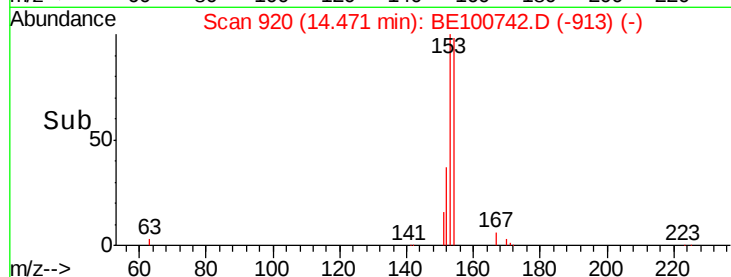
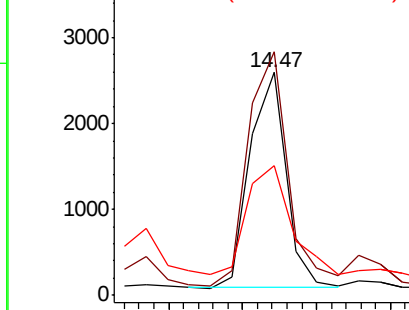
Tot Ion	Ratio	Lower	Upper
154	100		
153	121.9	91.9	137.9
152	63.0	44.8	67.2

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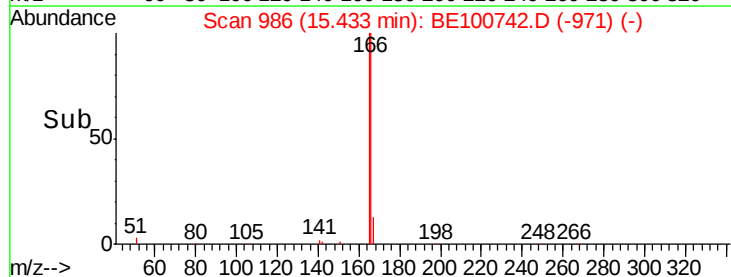
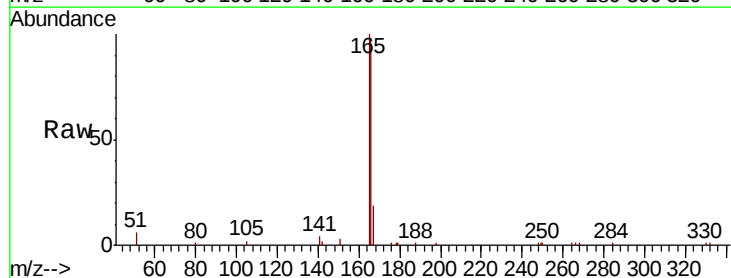
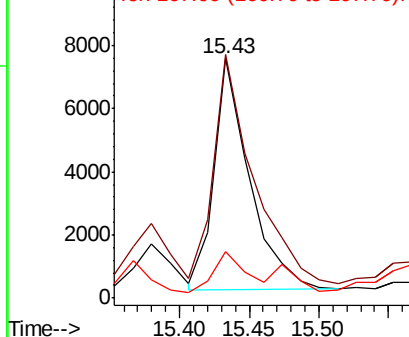
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

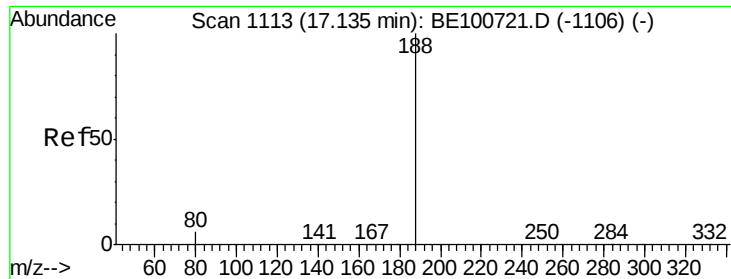


#18
Fluorene
Concen: 0.373 ng
RT: 15.43 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.2	78.2	117.4
167	16.5	10.6	16.0

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





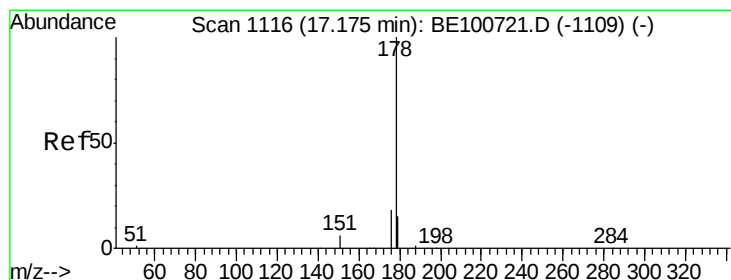
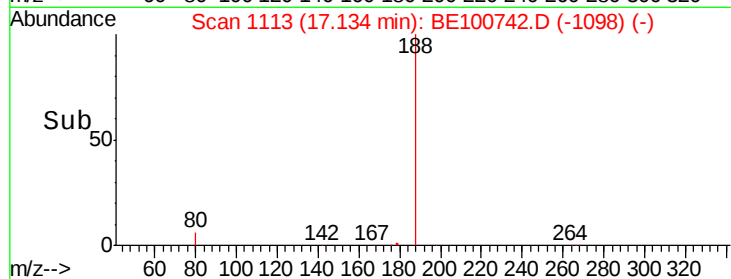
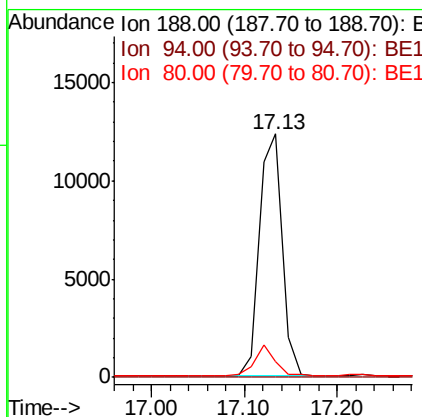
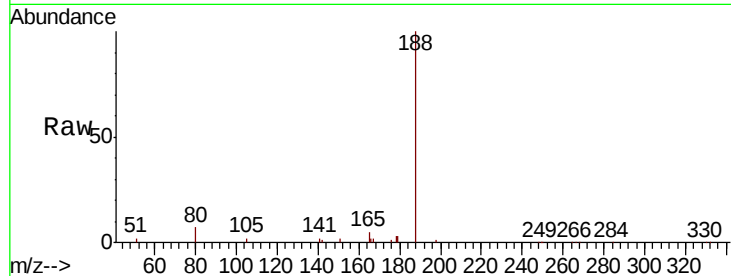
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.13 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW091-110619-4

Tot Ion	Ratio	Resp	Lower	Upper
188	100	21287		
94	0.0	0.0	0.0	0.0
80	6.5	5.4	8.0	8.0

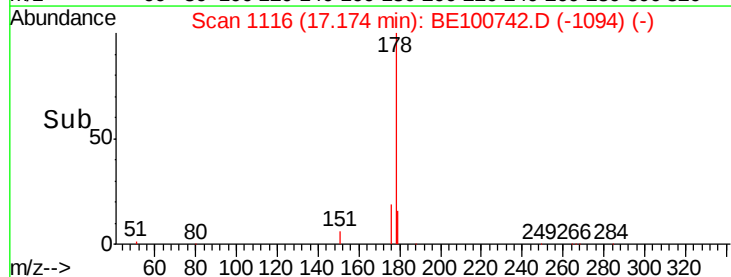
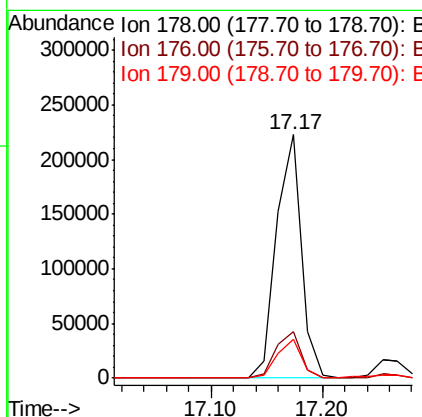
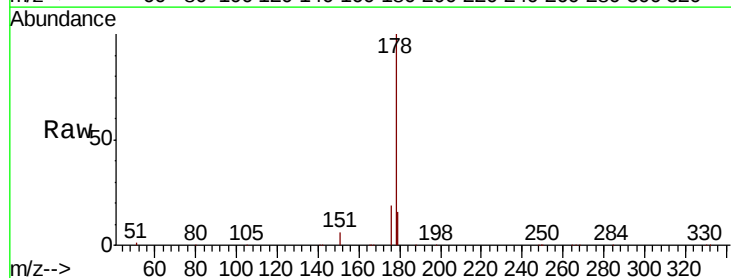
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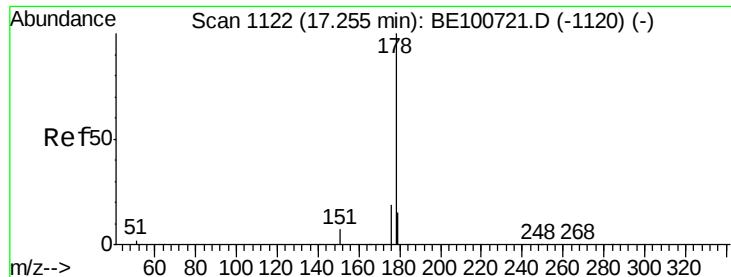
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#23
Phenanthrene
Concen: 6.020 ng
RT: 17.17 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	349367		
176	19.4	15.0	22.4	22.4
179	15.7	12.6	18.8	18.8





#24

Anthracene

Concen: 0.590 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100742.D

Acq: 15 Nov 2019 18:07

Instrument :

BNA_E

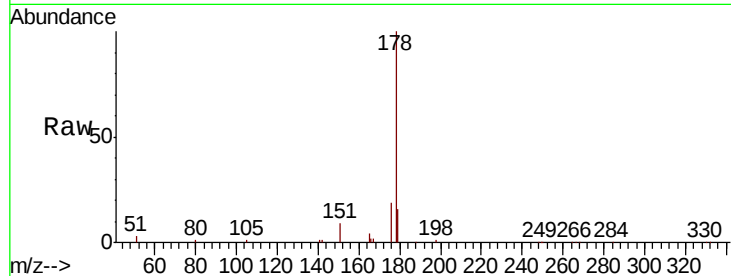
ClientSampleId :

EXT-034-SW091-110619-4

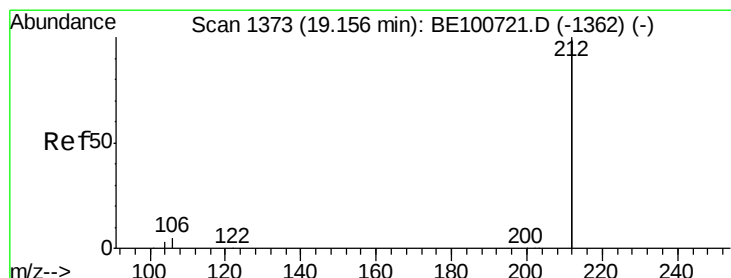
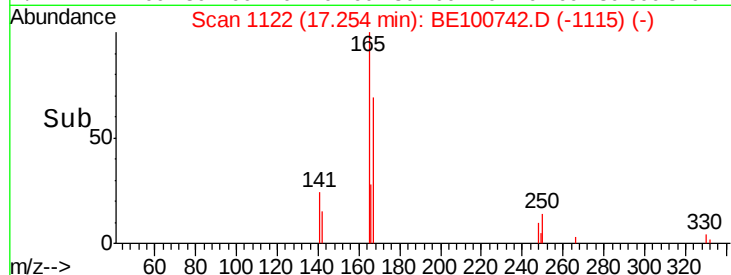
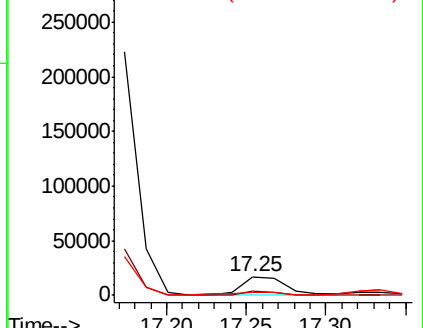
Tot Ion:	178	Resp:	30570
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.6	21.8
179	14.3	12.6	18.8

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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



#25

Fluoranthene-d10

Concen: 0.168 ng

RT: 19.16 min Scan# 1373

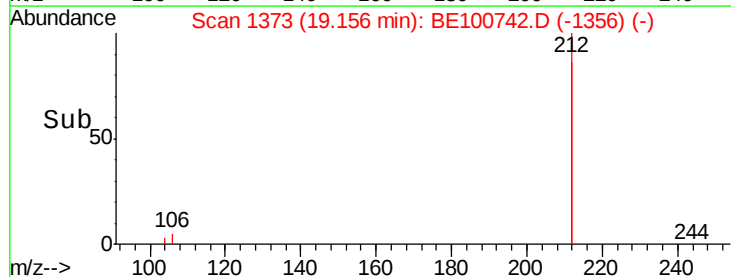
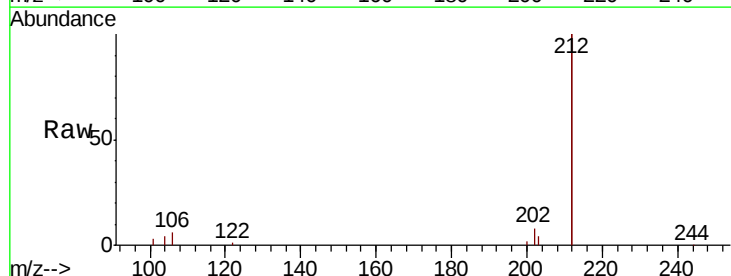
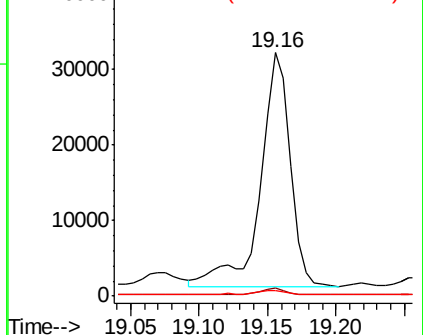
Delta R.T. -0.00 min

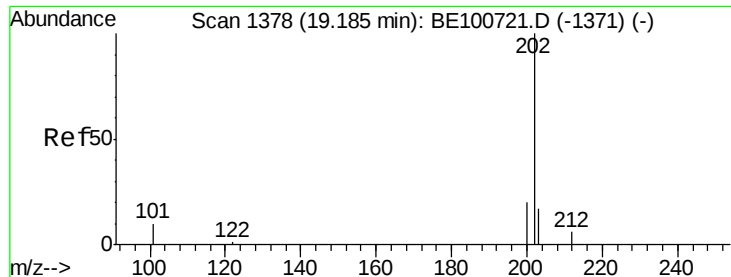
Lab File: BE100742.D

Acq: 15 Nov 2019 18:07

Tgt Ion:	212	Resp:	47167
Ion Ratio	Lower	Upper	
212	100		
106	2.5	2.2	3.4
104	1.5	1.2	1.8

Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E





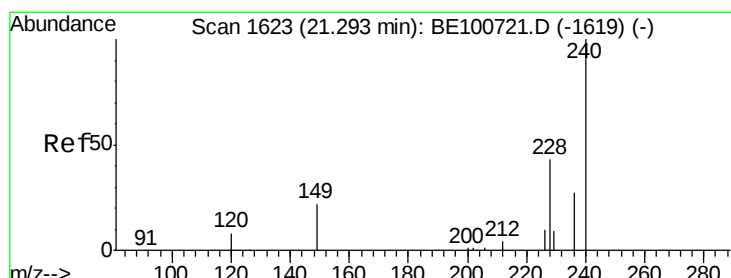
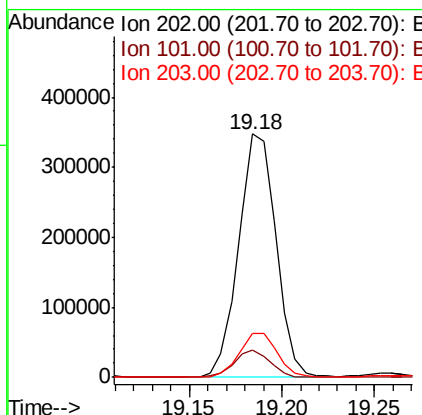
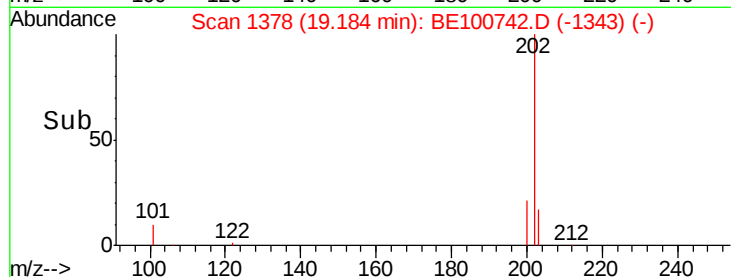
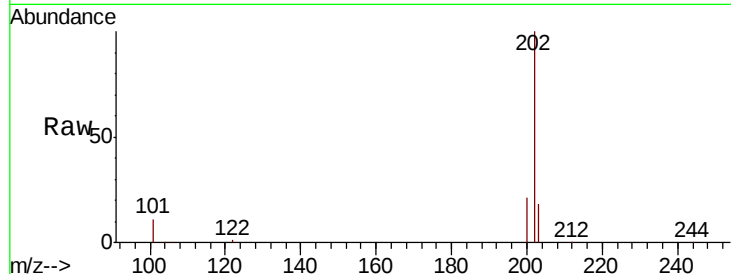
#26
Fluoranthene
Concen: 6.282 ng
RT: 19.18 min Scan# 1378
Delta R.T. -0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW091-110619-4

Tot Ion	Ratio	Resp	Lower	Upper
202	100	486761		
101	10.5		8.6	12.8
203	18.1		13.6	20.4

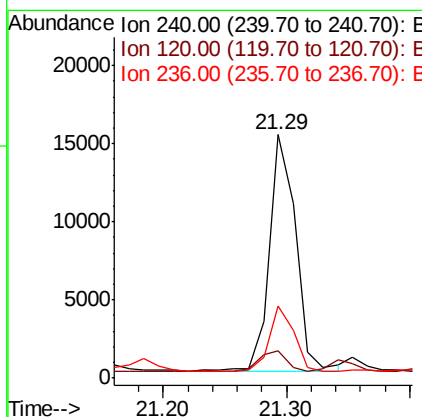
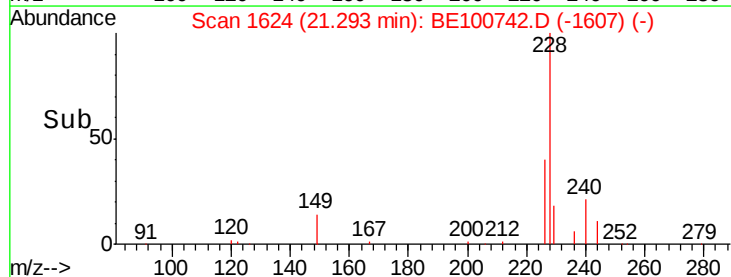
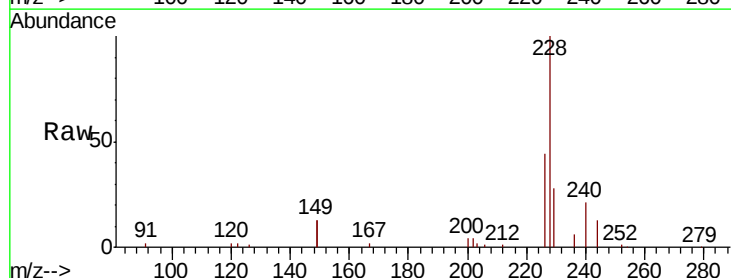
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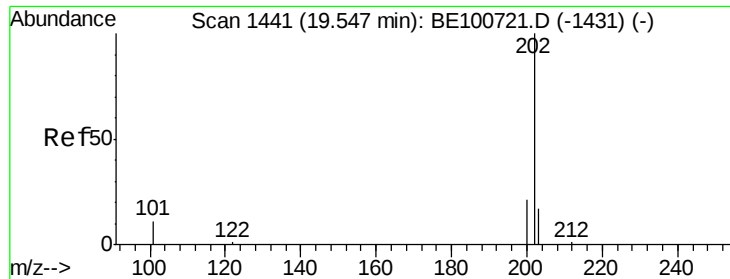
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	22897		
120	11.4		7.4	11.0#
236	29.6		21.8	32.6





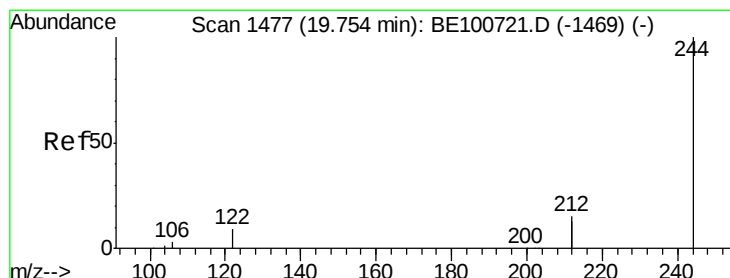
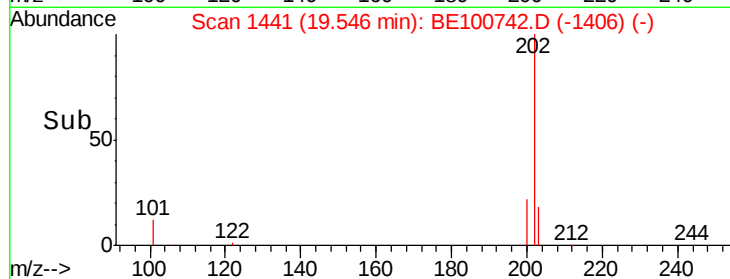
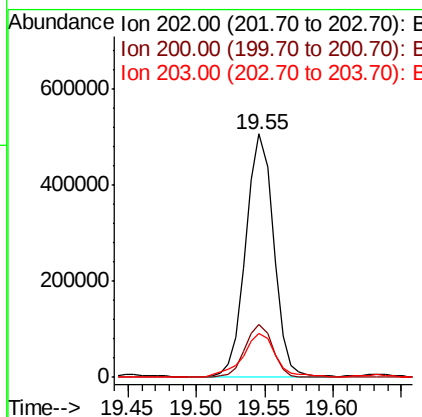
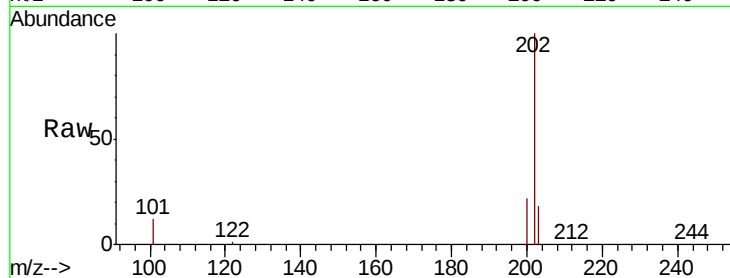
#28
Pvrene
Concen: 11.184 ng
RT: 19.55 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW091-110619-4

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	20.7	14.0	21.0

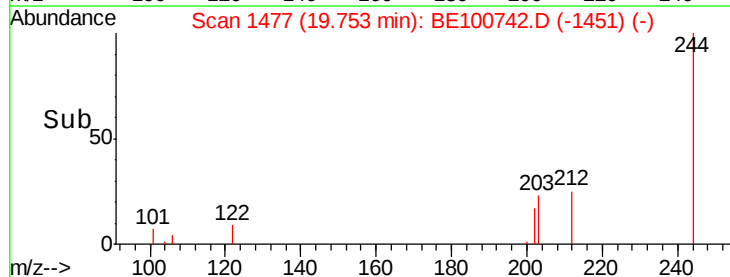
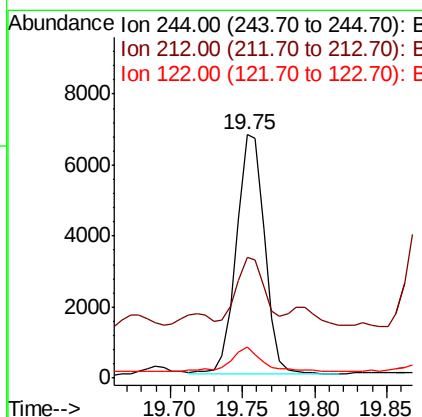
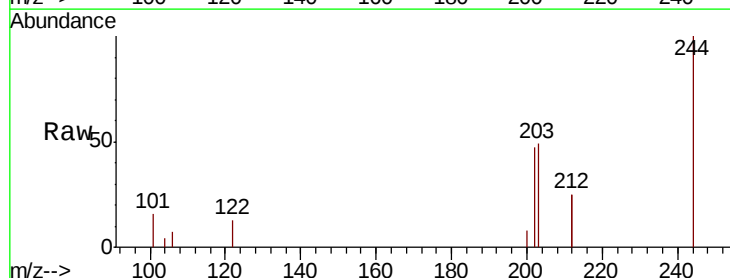
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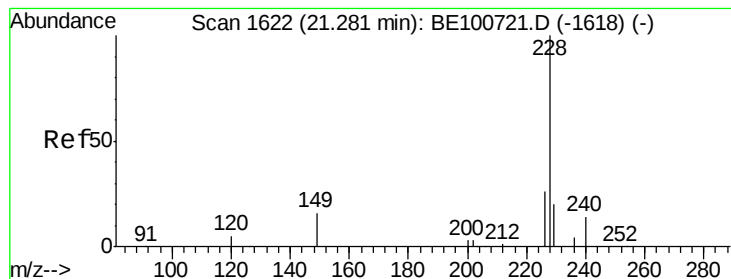
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#29
Terphenyl-d14
Concen: 0.168 ng
RT: 19.75 min Scan# 1477
Delta R.T. -0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	49.7	24.3	36.5#
122	12.6	7.6	11.4#





#30

Benzo(a)anthracene

Concen: 4.378 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100742.D

Acq: 15 Nov 2019 18:07

Instrument :

BNA_E

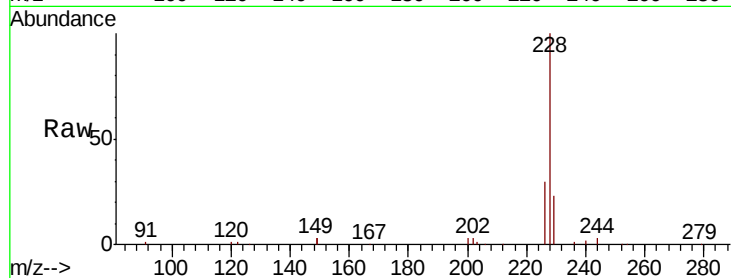
ClientSampleId :

EXT-034-SW091-110619-4

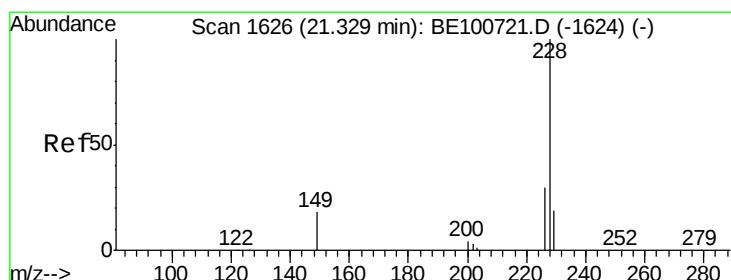
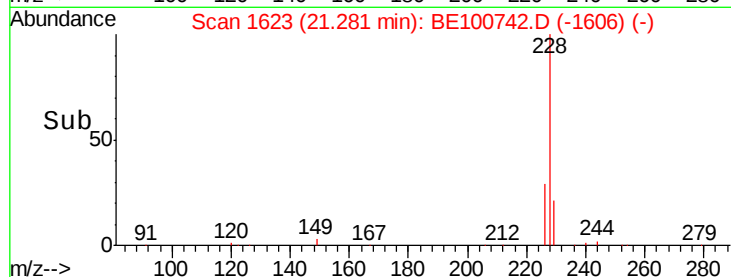
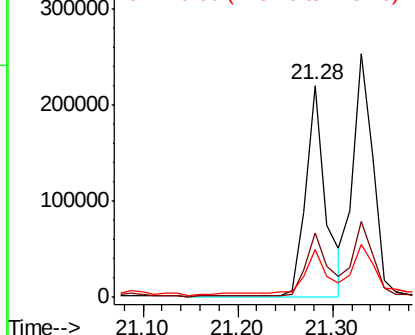
Tot Ion:	228	Resp:	321703
Ion Ratio	Lower	Upper	
228	100		
226	30.3	21.1	31.7
229	22.7	15.9	23.9

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



#31

Chrysene

Concen: 4.855 ng

RT: 21.33 min Scan# 1627

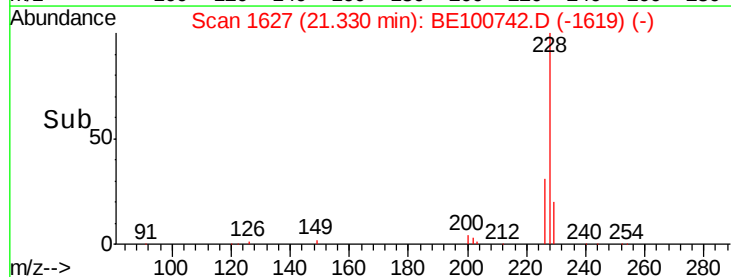
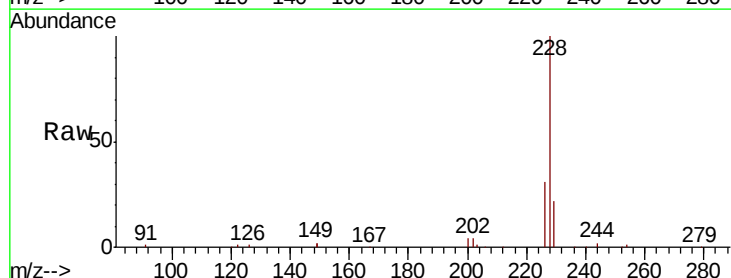
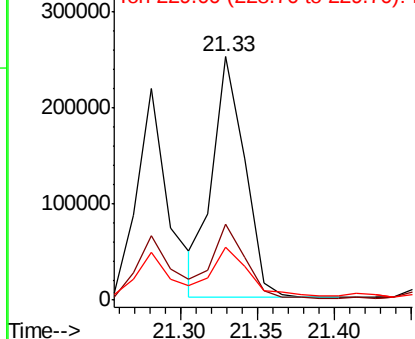
Delta R.T. 0.00 min

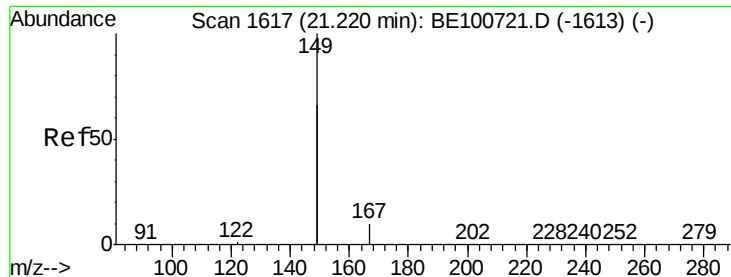
Lab File: BE100742.D

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Tgt Ion:	228	Resp:	362134
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.5	36.7
229	21.5	15.5	23.3

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





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.187 ng

RT: 21.22 min Scan# 1618

Delta R.T. 0.00 min

Lab File: BE100742.D

Acq: 15 Nov 2019 18:07

Instrument :

BNA_E

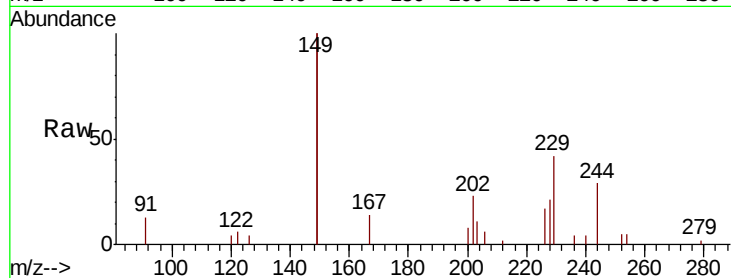
ClientSampleId :

EXT-034-SW091-110619-4

Tot Ion:	149	Resp:	24419
Ion Ratio	Lower	Upper	
149	100		
167	7.5	5.2	7.8
279	1.0	0.9	1.3

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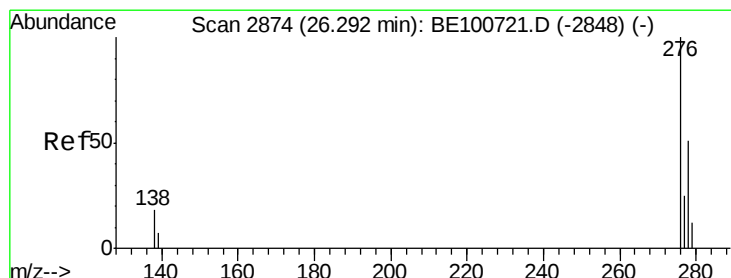
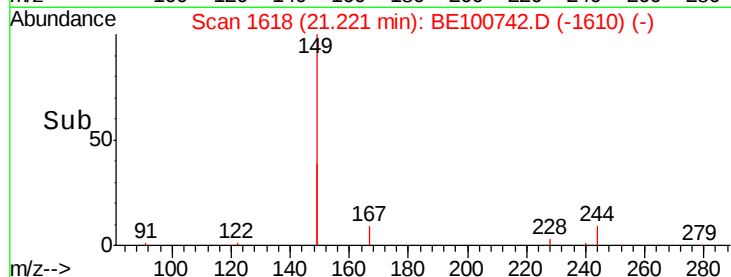
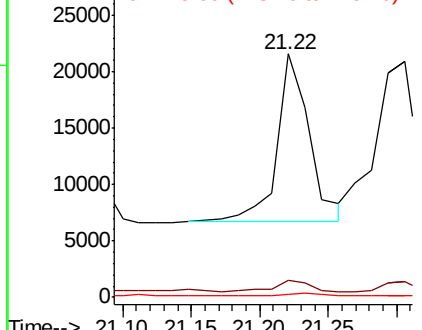


Abundance

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: 1.889 ng

RT: 26.29 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BE100742.D

Acq: 15 Nov 2019 18:07

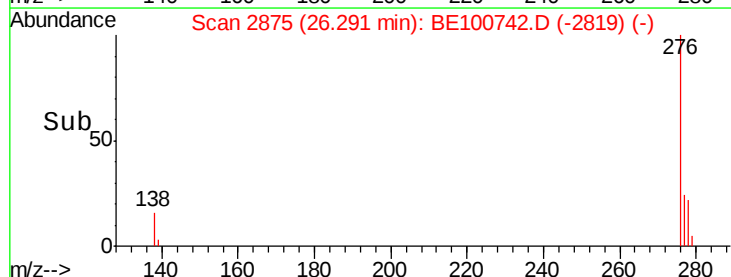
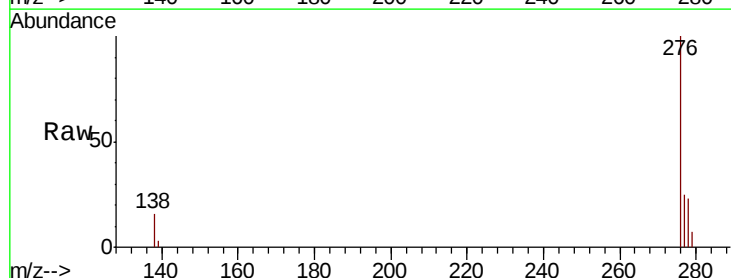
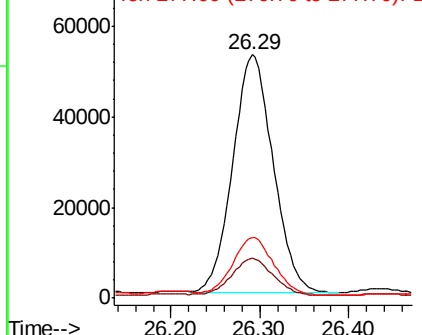
Tgt Ion:	276	Resp:	165135
Ion Ratio	Lower	Upper	
276	100		
138	16.0	14.8	22.2
277	25.0	19.6	29.4

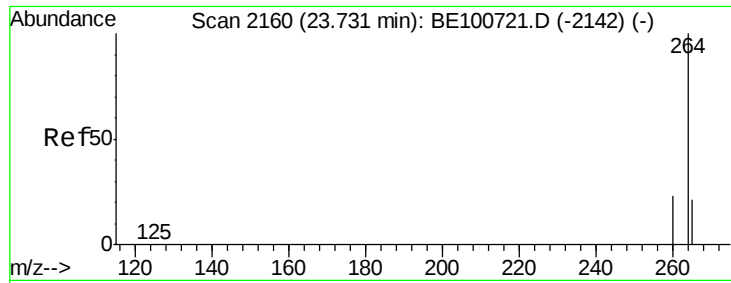
Abundance

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





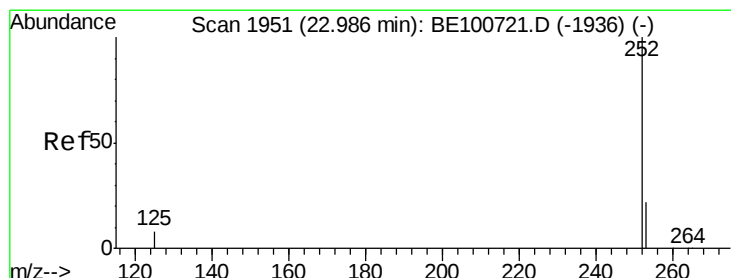
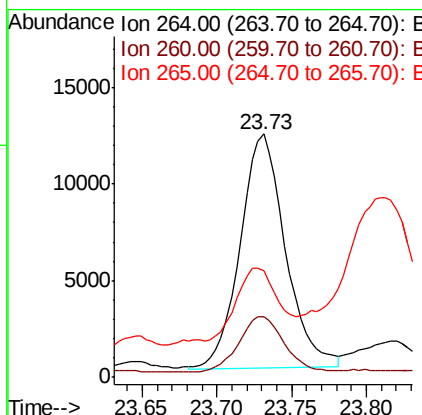
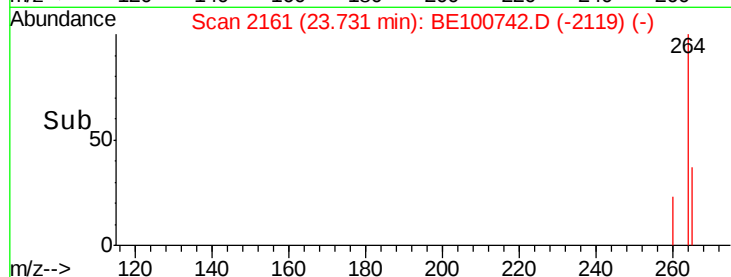
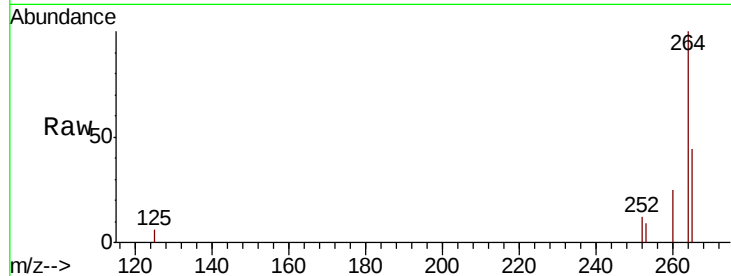
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.73 min Scan# 2161
Delta R.T. 0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW091-110619-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.1	28.7
265	43.9	19.7	29.5

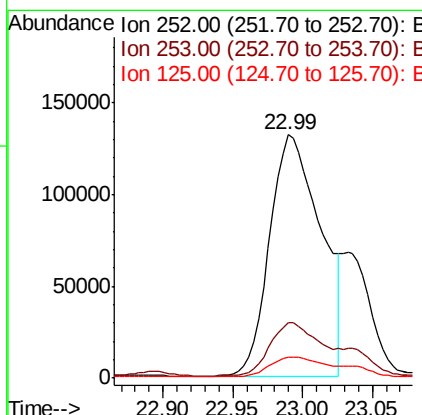
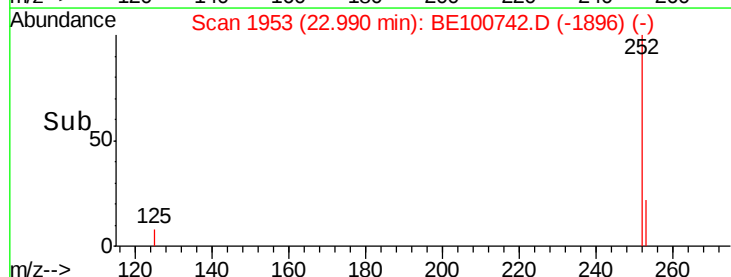
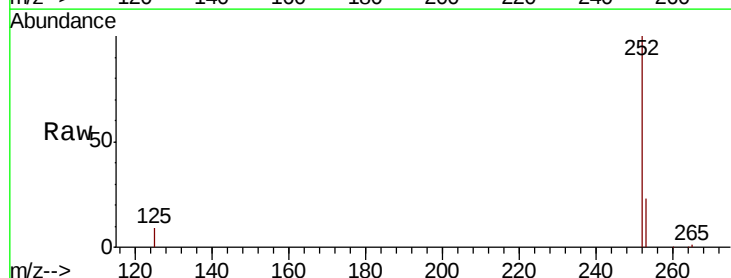
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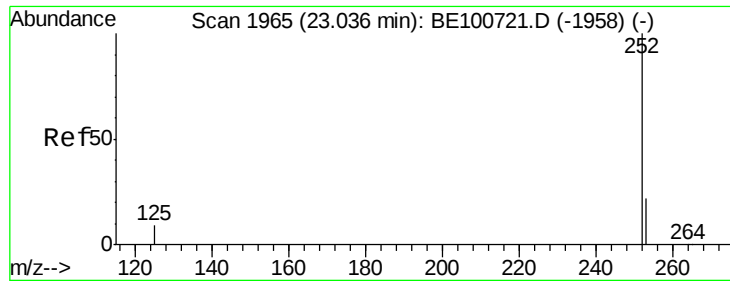
mohammad
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#35
Benzo(b)fluoranthene
Concen: 4.523 ng
RT: 22.99 min Scan# 1953
Delta R.T. 0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.7	28.1
125	8.6	7.0	10.4





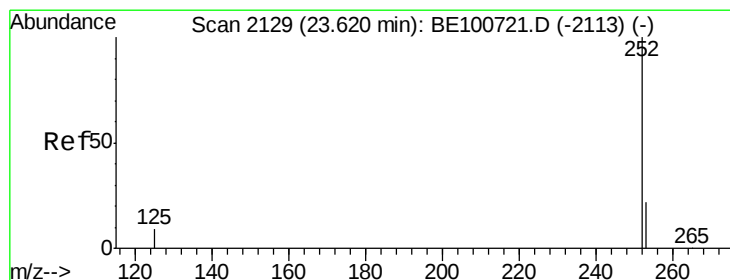
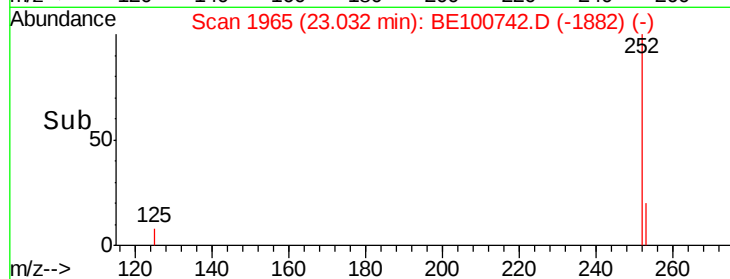
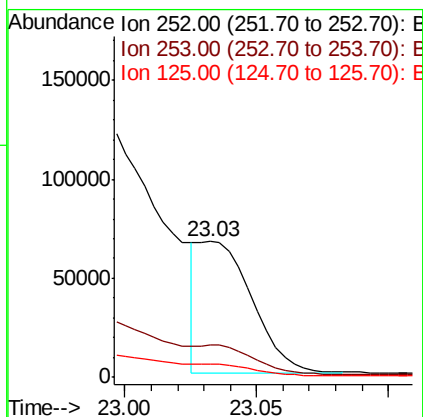
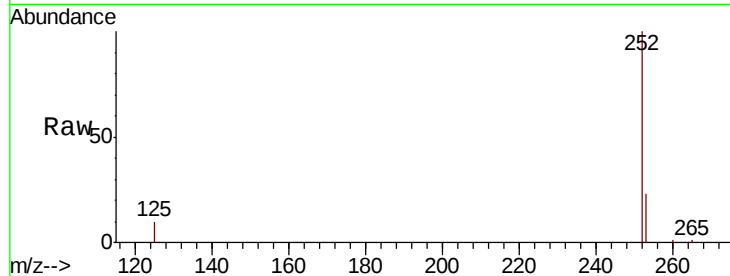
#36
Benzo(k)fluoranthene
Concen: 1.211 ng m
RT: 23.03 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW091-110619-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.6	27.8
125	9.7	7.6	11.4

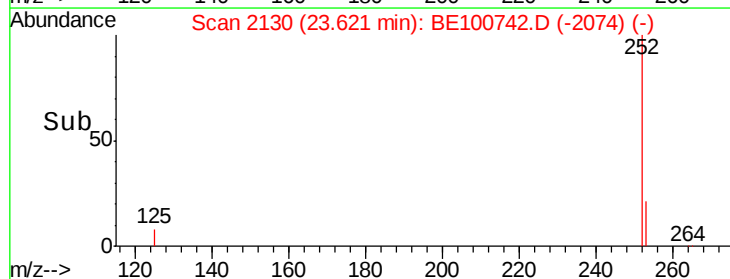
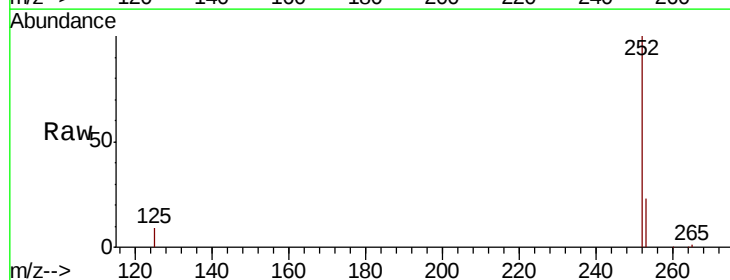
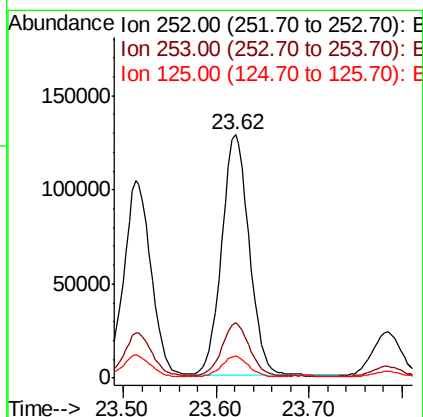
Manual Integrations
APPROVED

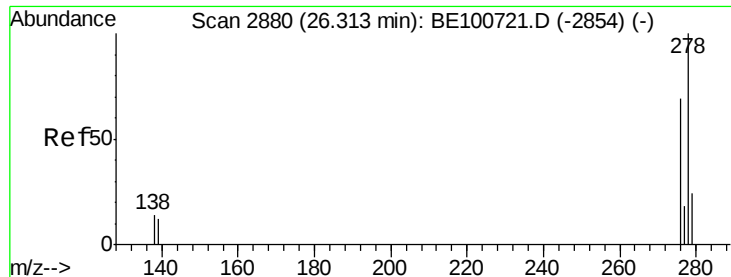
mohammad
11/18/2019 3:05:36 PM



#37
Benzo(a)pyrene
Concen: 3.803 ng
RT: 23.62 min Scan# 2130
Delta R.T. 0.00 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.6	28.0
125	8.9	7.9	11.9





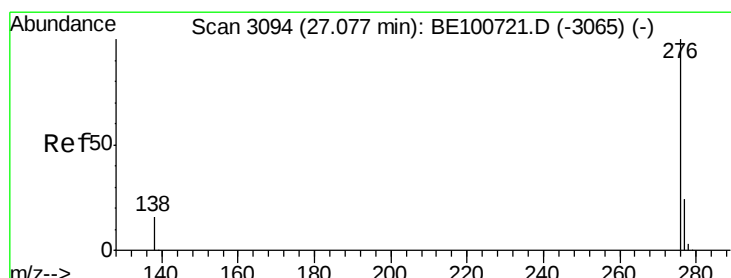
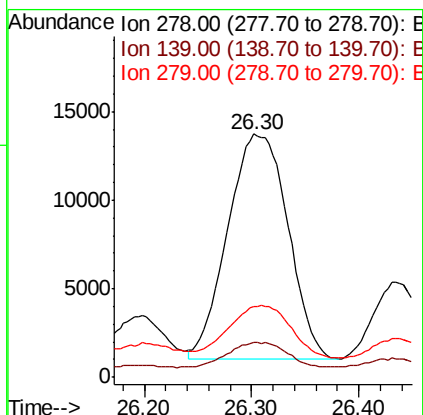
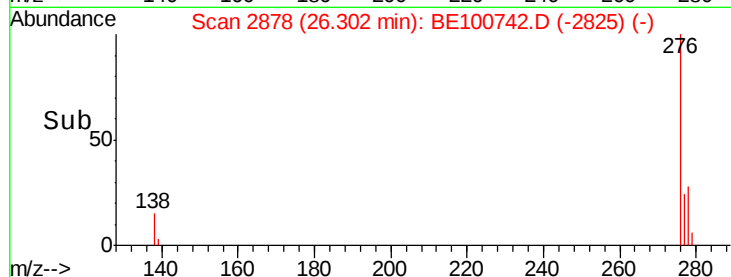
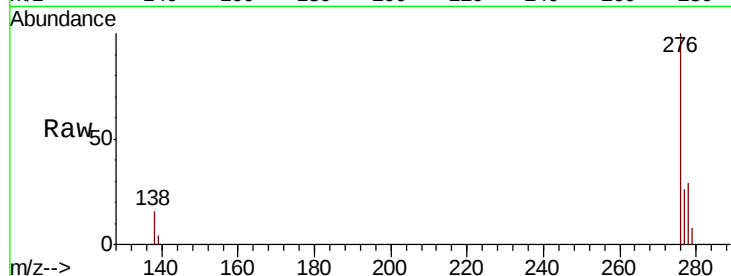
#38
Dibenzo(a,h)anthracene
Concen: 0.681 ng
RT: 26.30 min Scan# 2878
Delta R.T. -0.01 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW091-110619-4

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.4	10.3	15.5
279	29.0	20.6	31.0

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:36 PM



#39
Benzo(g,h,i)perylene
Concen: 2.720 ng
RT: 27.08 min Scan# 3097
Delta R.T. 0.01 min
Lab File: BE100742.D
Acq: 15 Nov 2019 18:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.8	29.6
138	16.3	13.6	20.4

