

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
 Data File : BE100219.D
 Acq On : 27 Jun 2019 23:54
 Operator : JU/SJ
 Sample : K3428-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW161-061319

Manual Integrations
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mohammad
 7/1/2019 8:12:26 AM

Quant Time: Jun 28 06:05:24 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062519.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 05:41:07 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	945	0.40	ng	0.00
7) Naphthalene-d8	10.45	136	3364	0.40	ng	0.00
13) Acenaphthene-d10	14.33	164	2639	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	7267	0.40	ng	0.00
27) Chrysene-d12	21.25	240	9734	0.40	ng	0.00
34) Perylene-d12	23.67	264	11047	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.22	112	756	0.36	ng	0.00
5) Phenol-d6	6.84	99	1043	0.36	ng	-0.01
8) Nitrobenzene-d5	8.82	82	984	0.29	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	2332	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.82	330	545	0.36	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	2982	0.28	ng	-0.01
25) Fluoranthene-d10	19.10	212	36352	0.35	ng	0.00
29) Terphenyl-d14	19.70	244	5171	0.27	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.50	128	10484	0.286	ng	98
12) 2-Methylnaphthalene	12.12	142	2644	0.447	ng	96
16) Acenaphthylene	14.04	152	14036	1.091	ng	97
17) Acenaphthene	14.39	154	1693	0.235	ng	95
18) Fluorene	15.37	166	7163	0.687	ng	# 86
23) Phenanthrene	17.11	178	127722	7.420	ng	99
24) Anthracene	17.20	178	13485	0.928	ng	99
26) Fluoranthene	19.13	202	188183	6.720	ng	98
28) Pyrene	19.49	202	239765	9.618	ng	96
30) Benzo(a)anthracene	21.23	228	149955	5.225	ng	96
31) Chrysene	21.28	228	151112	4.489	ng	96
32) Bis(2-ethylhexyl)phthalate	21.16	149	40415	1.225	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.23	276	81686	1.705	ng	# 95
35) Benzo(b)fluoranthene	22.93	252	157189	5.290	ng	# 98
36) Benzo(k)fluoranthene	22.98	252	48757m	1.371	ng	
37) Benzo(a)pyrene	23.57	252	116477m	3.783	ng	
38) Dibenzo(a,h)anthracene	26.24	278	23297	0.707	ng	# 90
39) Benzo(a,h,i)perylene	27.02	276	87076	2.532	ng	# 97

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

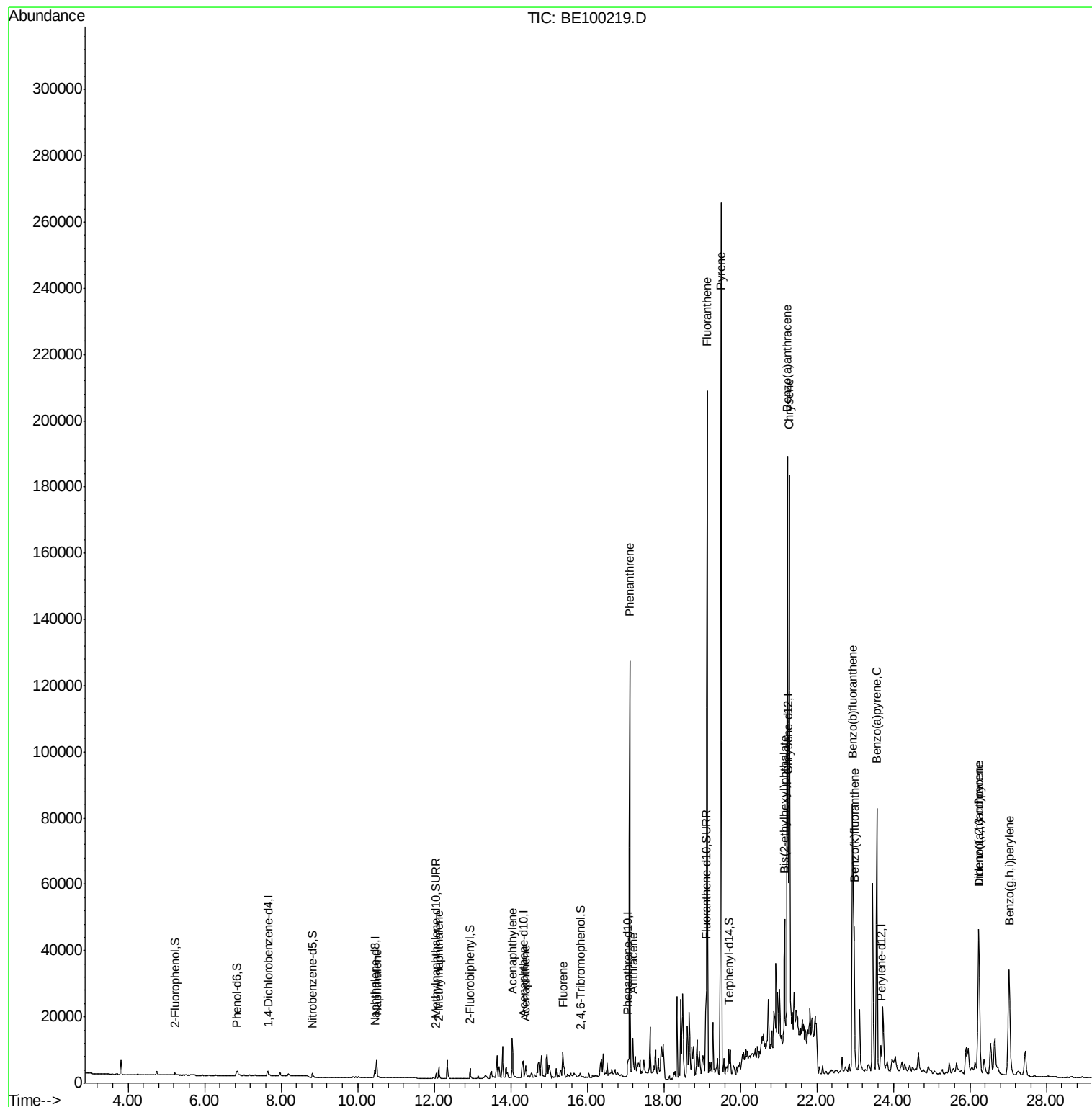
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
Data File : BE100219.D
Acq On : 27 Jun 2019 23:54
Operator : JU/SJ
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ALS Vial : 13 Sample Multiplier: 1

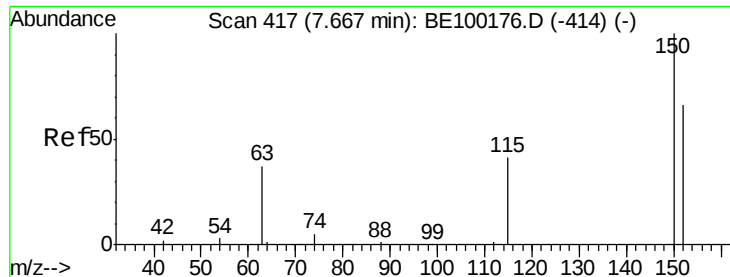
Instrument :
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EXT-013-SW161-061319

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#1

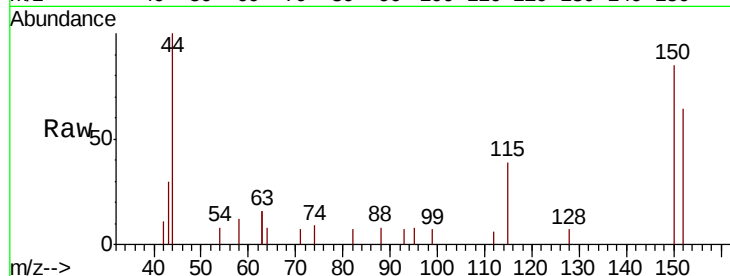
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 416
Delta R.T. 0.00 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319

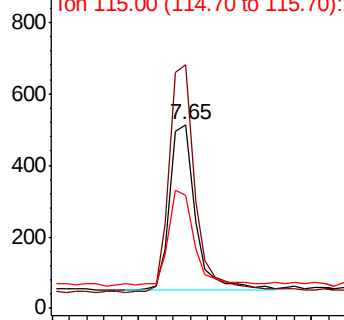
Tot Ion	Ratio	Lower	Upper
152	100		
150	132.5	113.4	170.2
115	61.5	55.8	83.6

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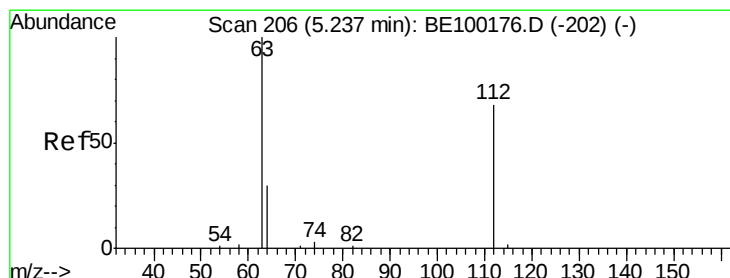
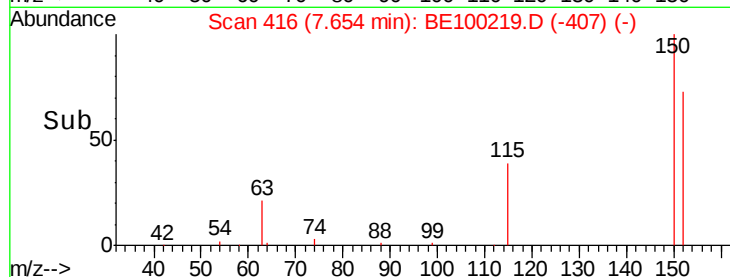
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



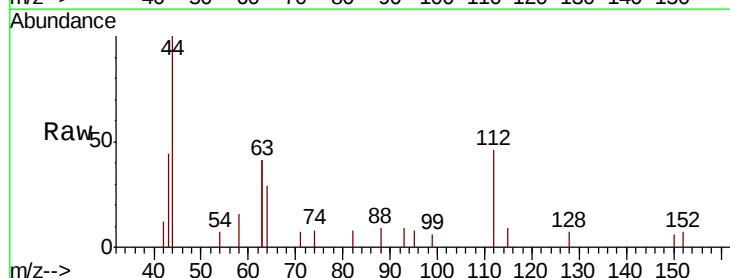
Time--> 7.50 7.60 7.70 7.80



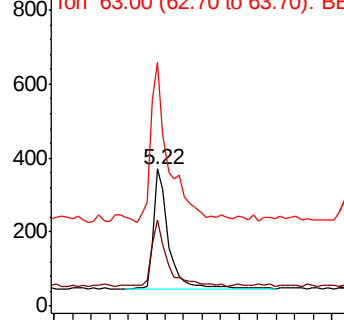
#4

2-Fluorophenol
Concen: 0.360 ng
RT: 5.22 min Scan# 205
Delta R.T. 0.00 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

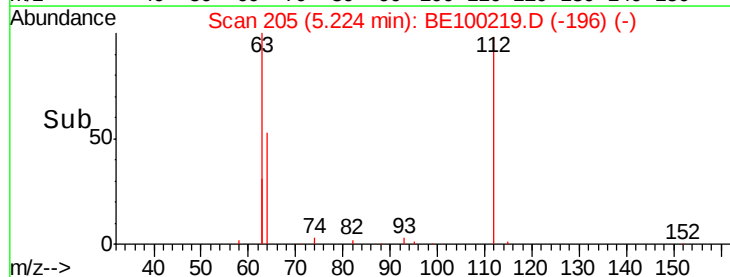
Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	40.7	61.1
63	154.6	93.2	139.8

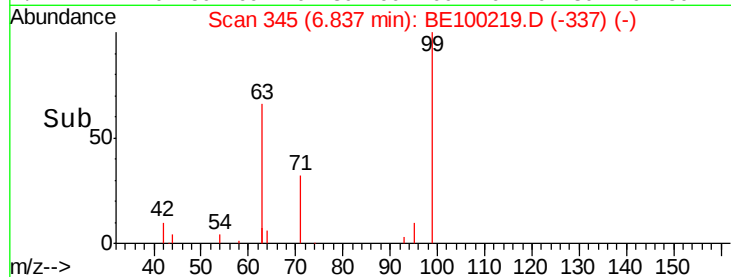
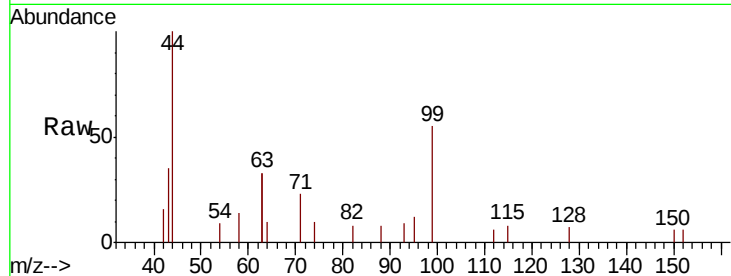
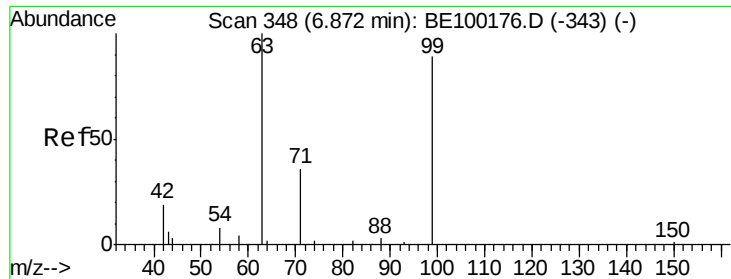


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1



Time--> 5.00 5.20 5.40





#5

Phenol-d6

Concen: 0.361 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.01 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Tot Ion:	99	Resp:	1043
Ion	Ratio	Lower	Upper
99	100		
42	17.4	10.4	15.6#
71	34.8	32.4	48.6

Instrument :

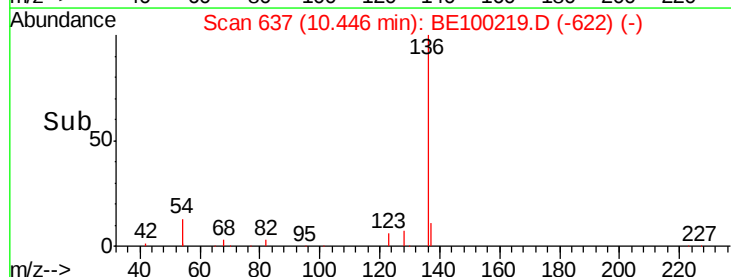
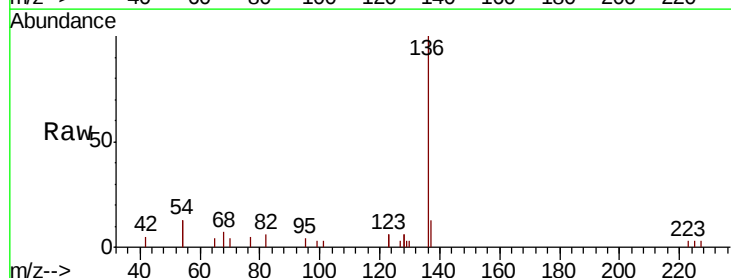
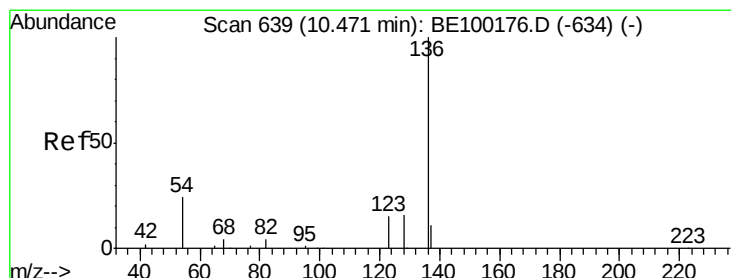
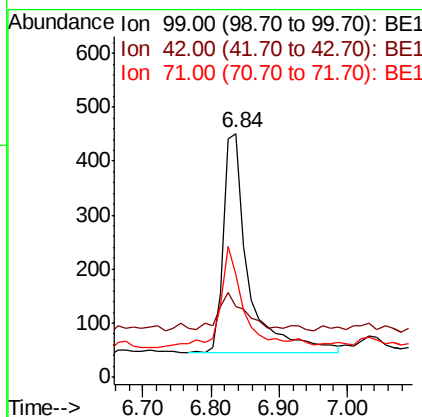
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#7

Naphthalene-d8

Concen: 0.400 ng

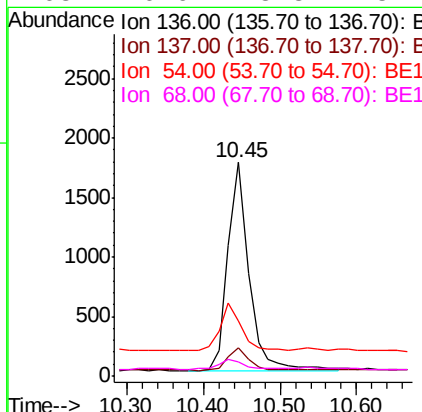
RT: 10.45 min Scan# 637

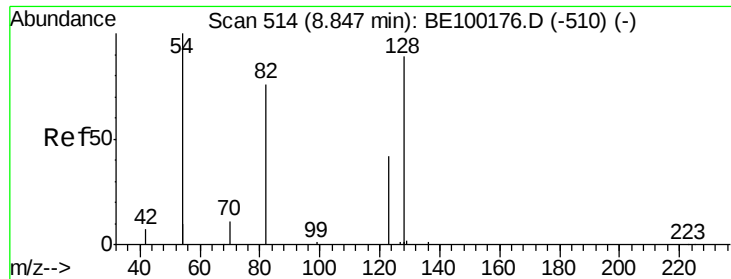
Delta R.T. 0.00 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Tgt Ion:	136	Resp:	3364
Ion	Ratio	Lower	Upper
136	100		
137	13.1	13.8	20.8#
54	25.8	35.4	53.2#
68	6.6	8.8	13.2#





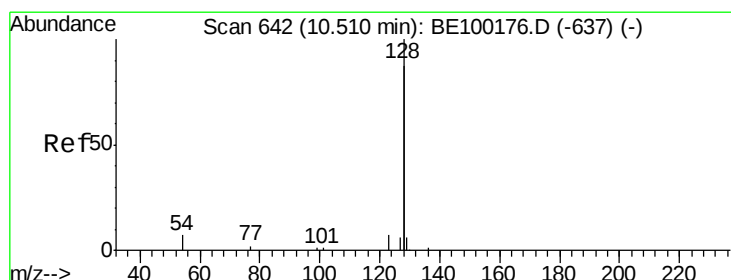
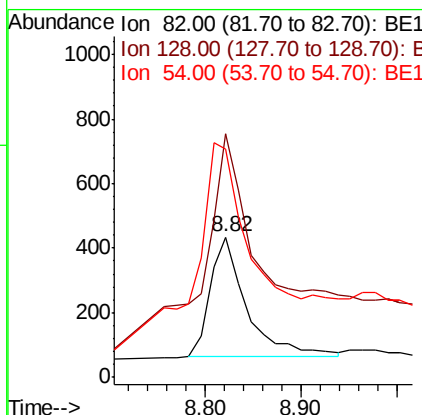
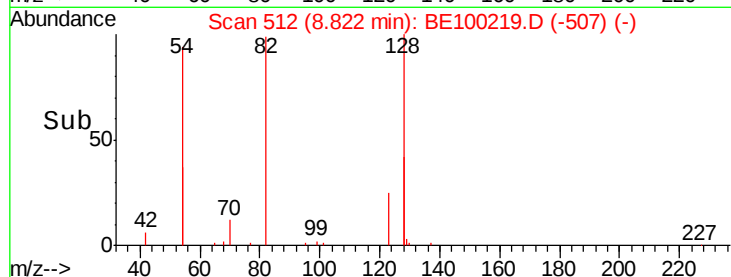
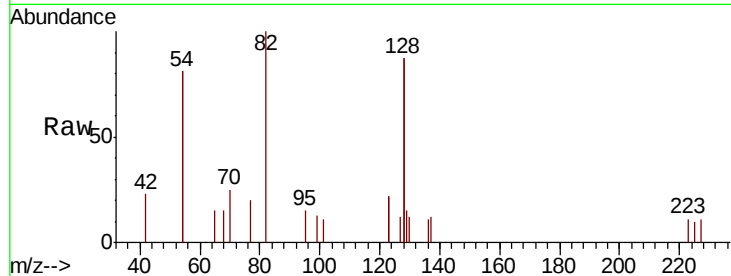
#8
Nitrobenzene-d5
Concen: 0.294 ng
RT: 8.82 min Scan# 512
Delta R.T. -0.01 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319

Tot Ion	Ratio	Lower	Upper
82	100		
128	173.3	144.6	217.0
54	162.3	163.0	244.6#

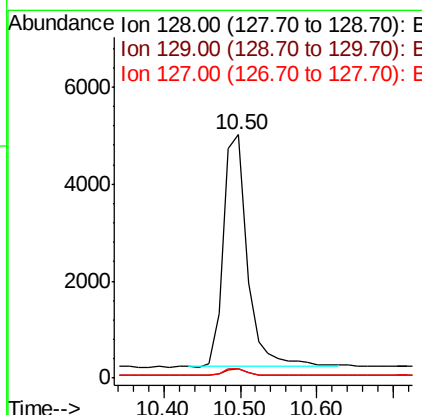
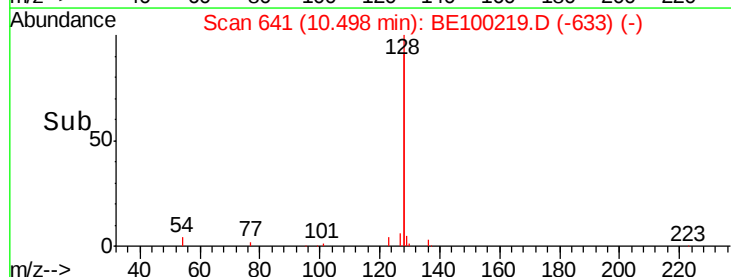
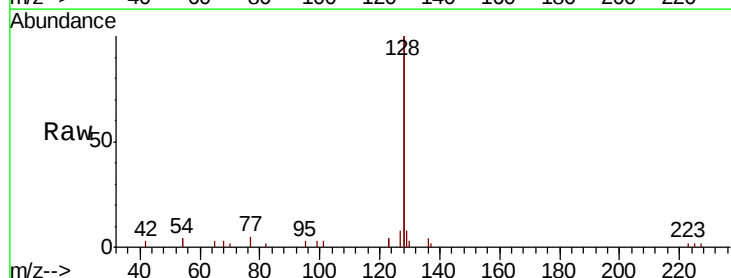
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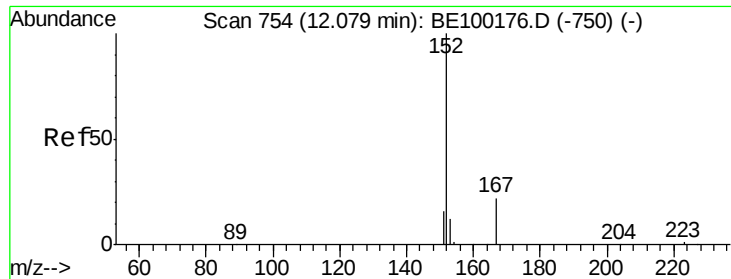
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#9
Naphthalene
Concen: 0.286 ng
RT: 10.50 min Scan# 641
Delta R.T. 0.00 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Tgt Ion	Ratio	Lower	Upper
128	100		
129	3.8	3.6	5.4
127	4.1	3.8	5.8





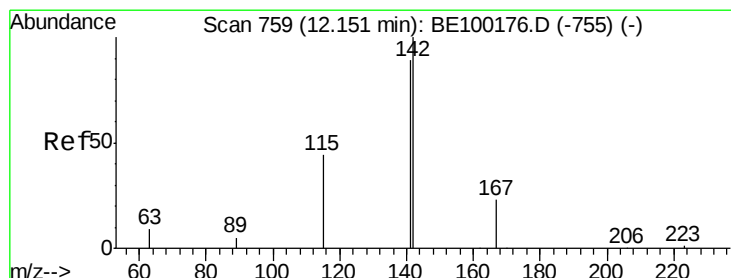
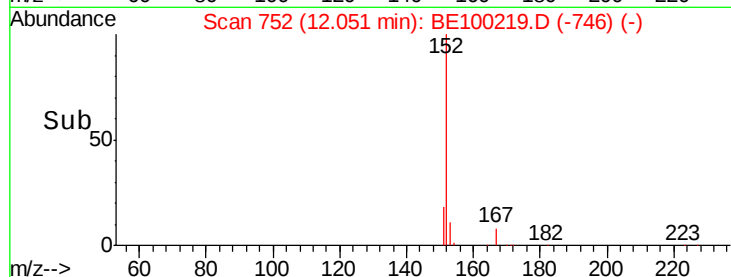
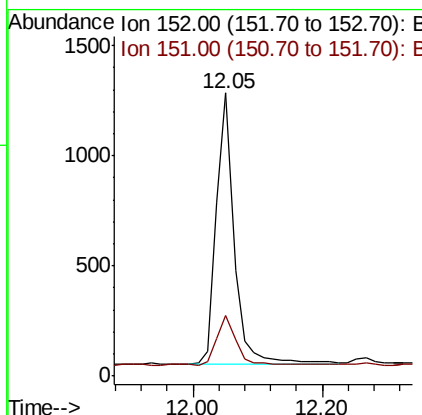
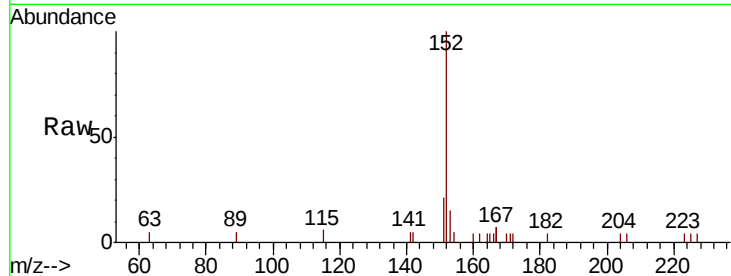
#11
2-Methylnaphthalene-d10
Concen: 0.370 ng
RT: 12.05 min Scan# 752
Delta R.T. -0.01 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.3	24.5

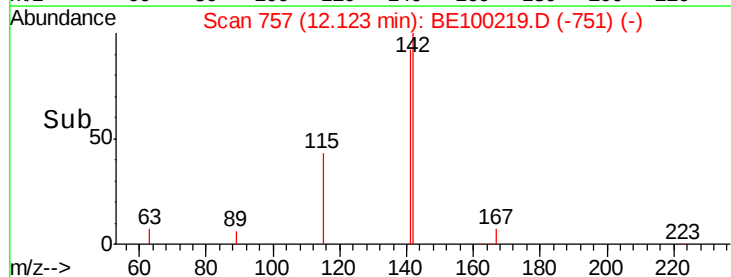
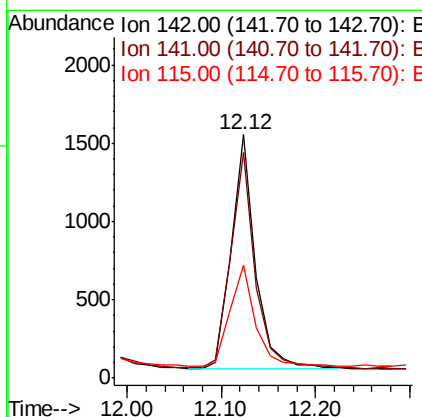
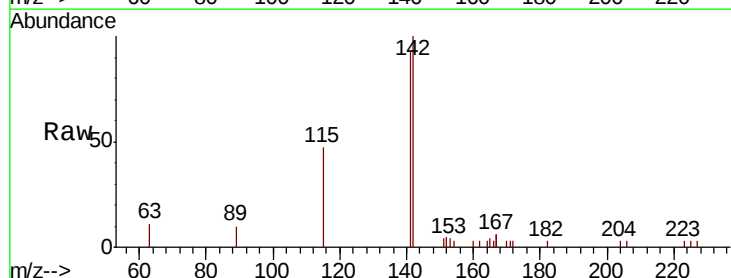
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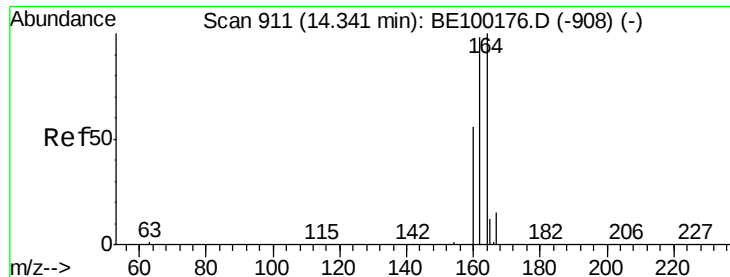
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#12
2-Methylnaphthalene
Concen: 0.447 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.01 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	71.8	107.8
115	46.5	40.4	60.6





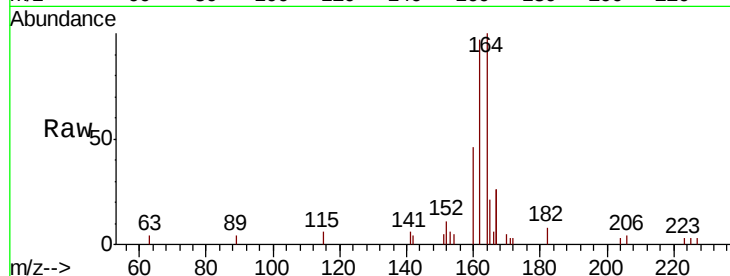
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 910
Delta R.T. 0.00 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319

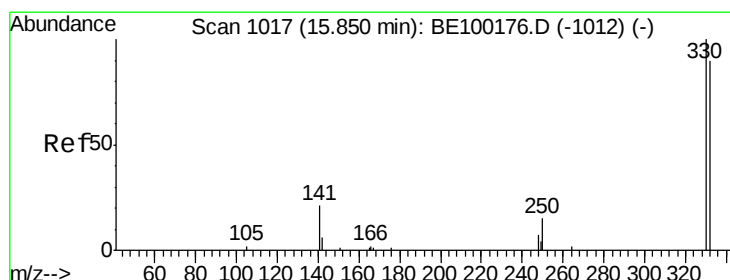
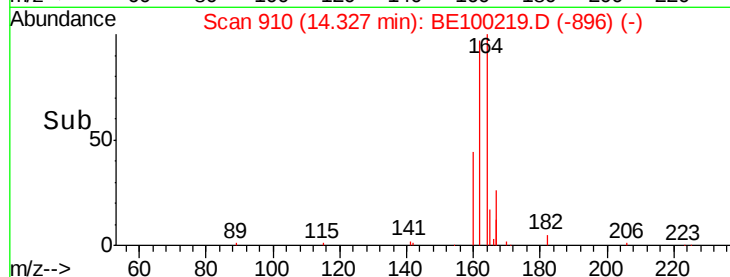
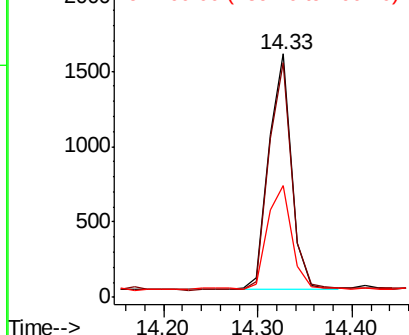
Tot Ion	Ratio	Lower	Upper
164	100		
162	96.7	78.6	118.0
160	45.7	46.9	70.3#

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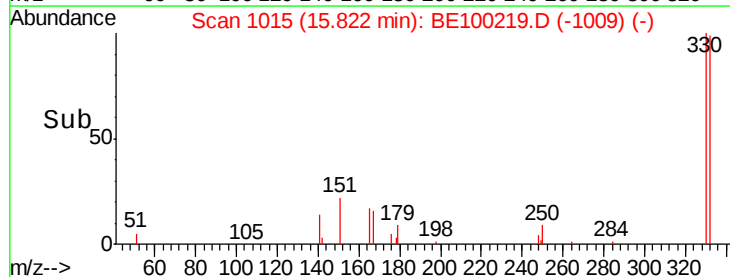
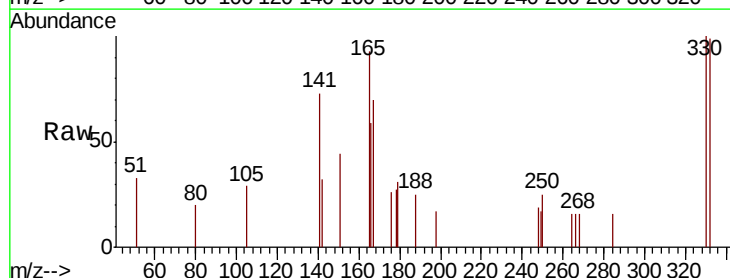
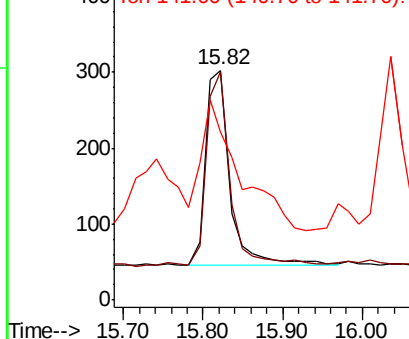
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

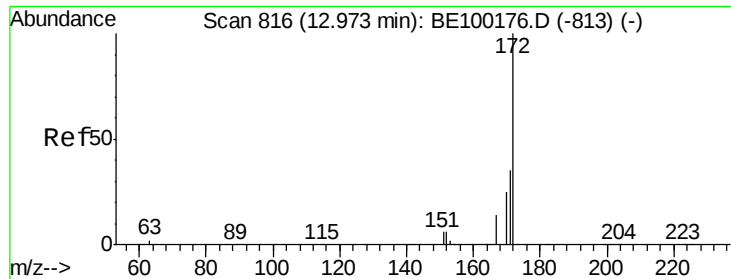


#14
2,4,6-Tribromophenol
Concen: 0.357 ng
RT: 15.82 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.7	116.5
141	106.6	18.9	28.3#

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





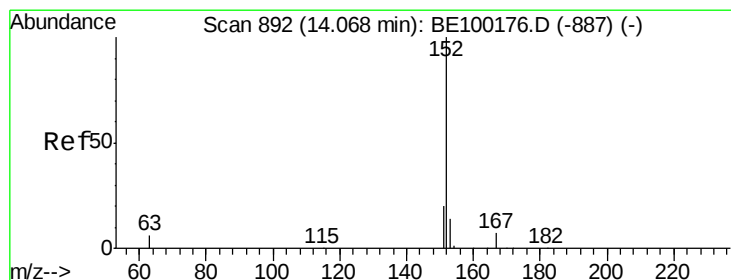
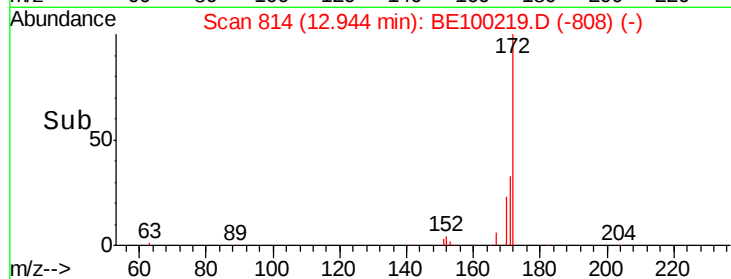
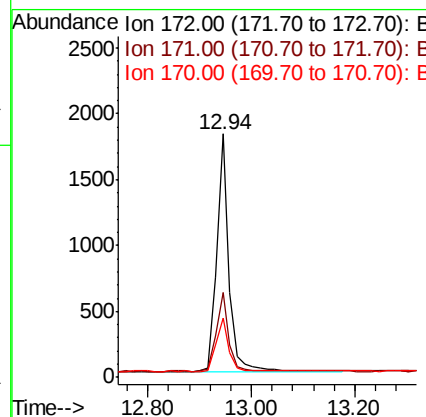
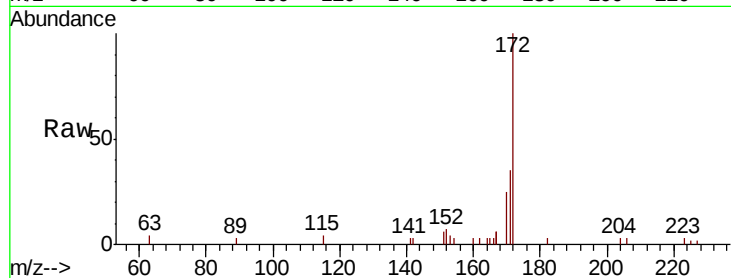
#15
2-Fluorobiphenyl
Concen: 0.282 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.01 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	31.0	46.4
170	24.6	23.9	35.9

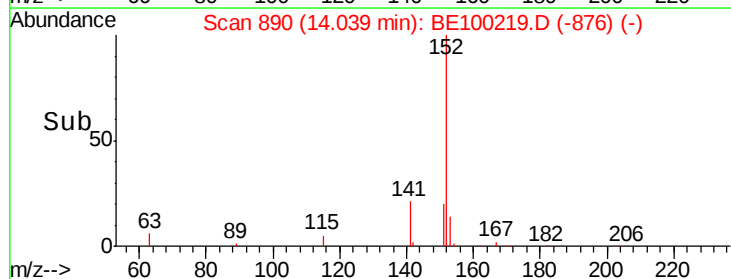
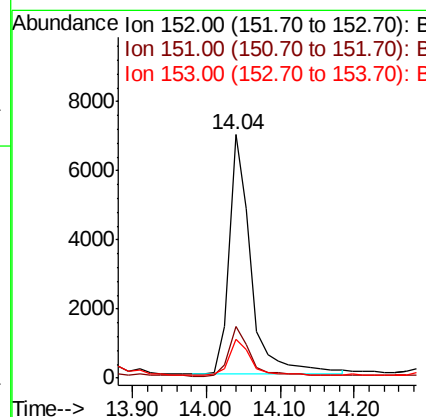
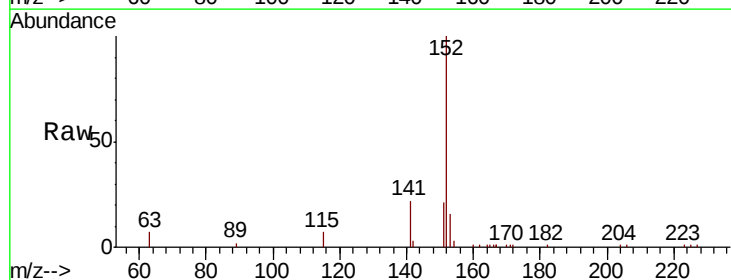
Manual Integrations
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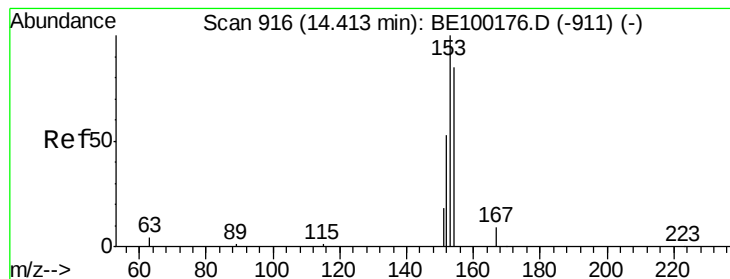
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#16
Acenaphthylene
Concen: 1.091 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.4	23.0
153	15.0	10.8	16.2





#17

Acenaphthene

Concen: 0.235 ng

RT: 14.39 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Instrument :

BNA_E

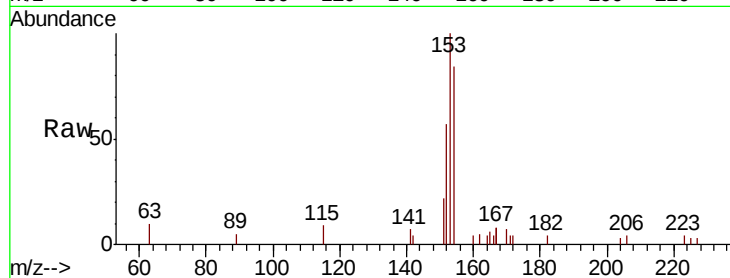
ClientSampleId :

EXT-013-SW161-061319

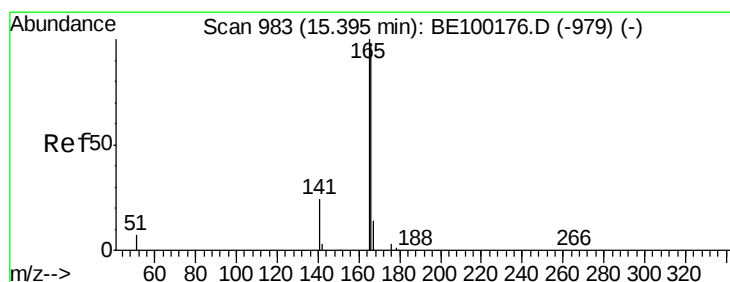
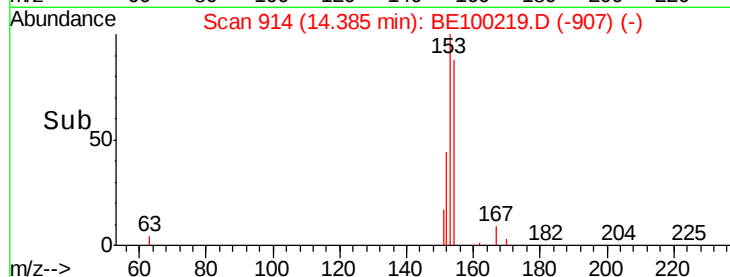
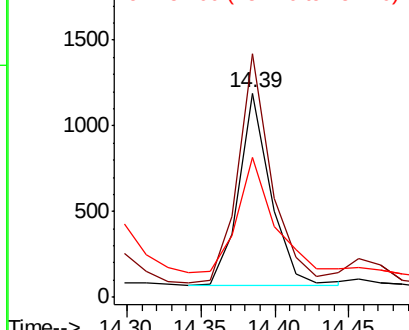
Tot Ion:	154	Resp:	1693
Ion	Ratio	Lower	Upper
154	100		
153	124.0	95.3	142.9
152	70.3	52.9	79.3

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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: 0.687 ng

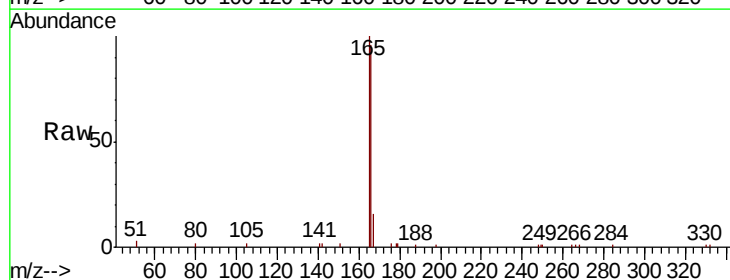
RT: 15.37 min Scan# 981

Delta R.T. 0.00 min

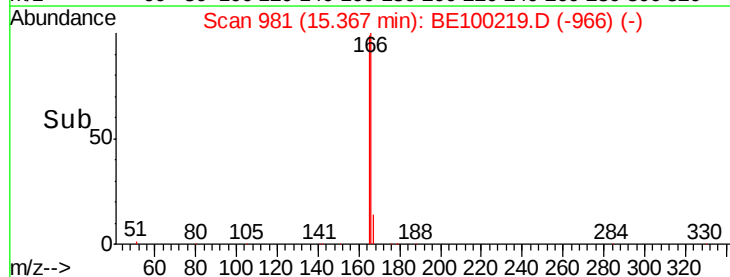
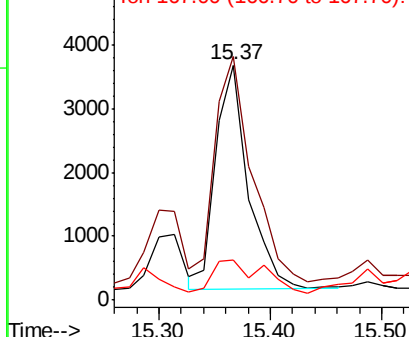
Lab File: BE100219.D

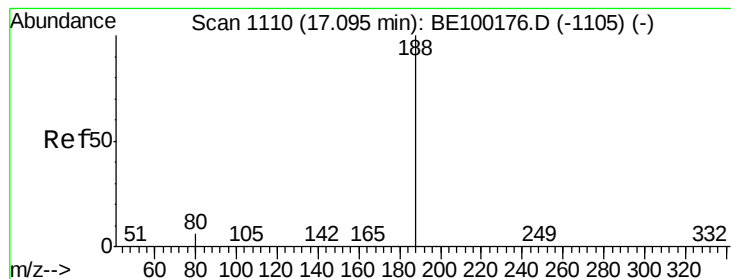
Acq: 27 Jun 2019 23:54

Tgt Ion:	166	Resp:	7163
Ion	Ratio	Lower	Upper
166	100		
165	114.7	81.0	121.4
167	22.5	11.4	17.0#



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: 17.07 min Scan# 1108

Delta R.T. 0.00 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Instrument :

BNA_E

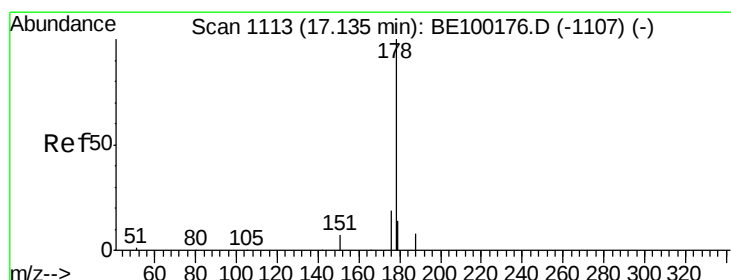
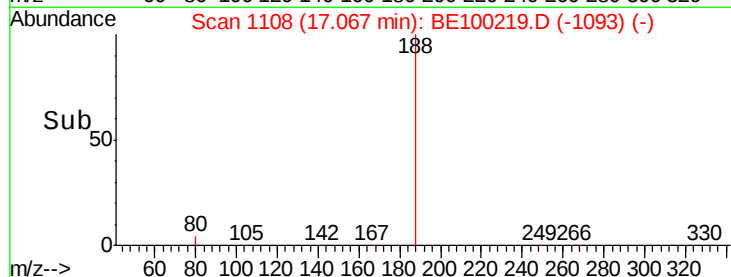
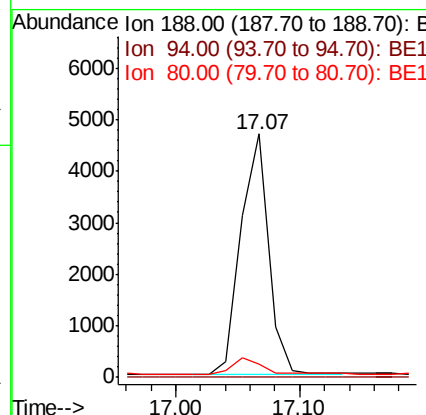
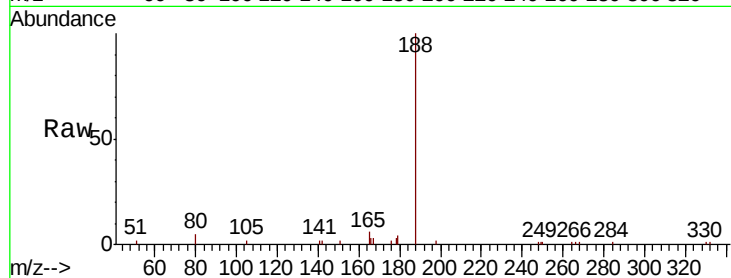
ClientSampleId :

EXT-013-SW161-061319

Tot Ion:	188	Resp:	7267
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	5.5	6.4	9.6#

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#23

Phenanthrene

Concen: 7.420 ng

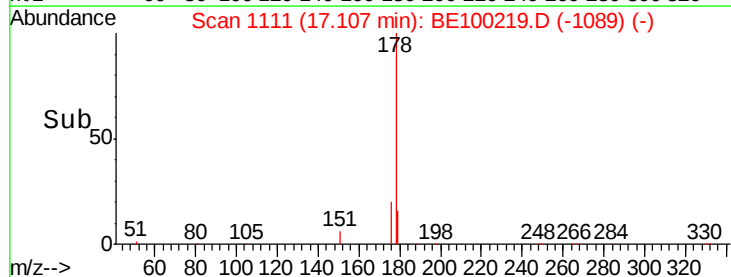
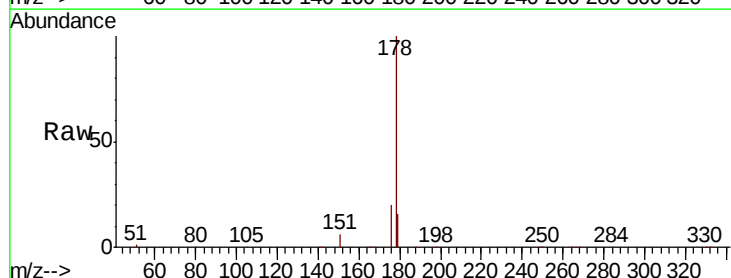
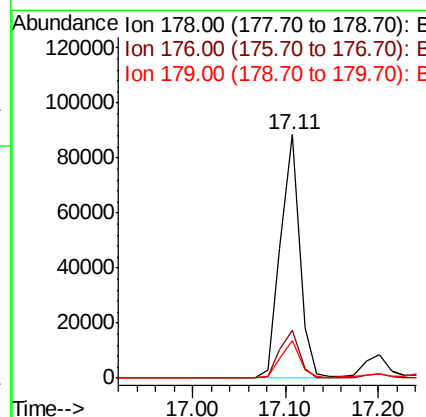
RT: 17.11 min Scan# 1111

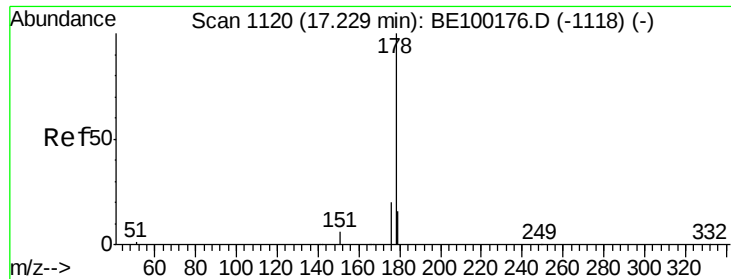
Delta R.T. 0.00 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Tgt Ion:	178	Resp:	127722
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.5	23.3
179	15.7	12.2	18.2





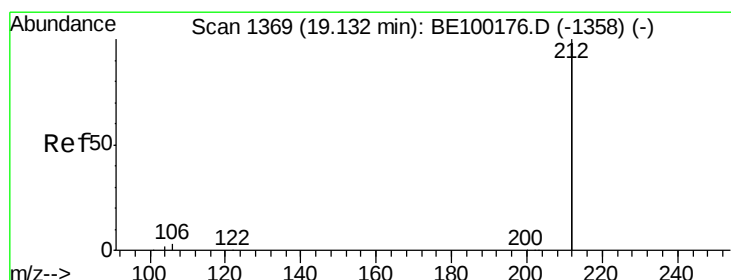
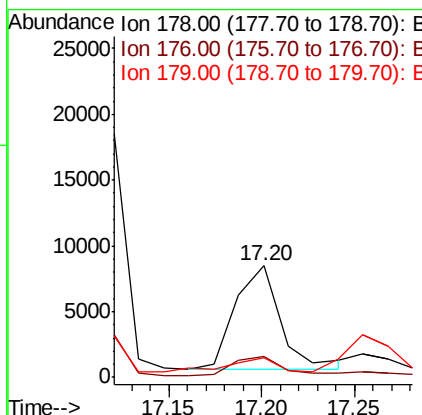
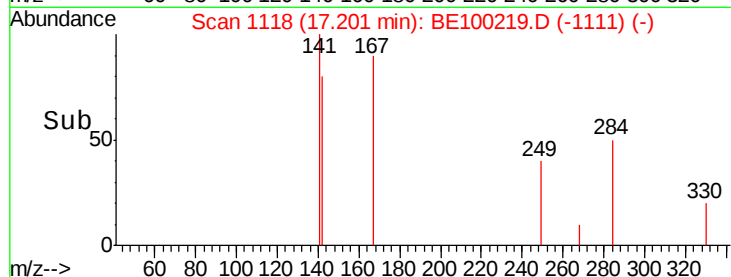
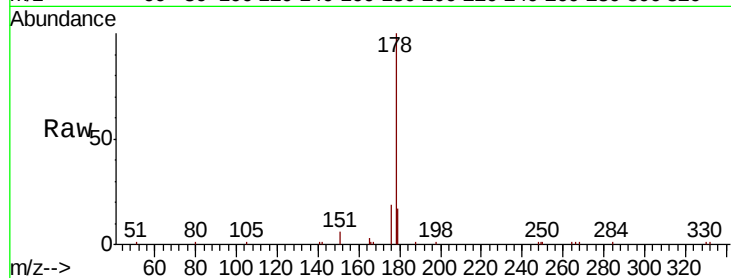
#24
 Anthracene
 Concen: 0.928 ng
 RT: 17.20 min Scan# 1118
 Delta R.T. 0.00 min
 Lab File: BE100219.D
 Acq: 27 Jun 2019 23:54

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW161-061319

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.6	12.9	19.3

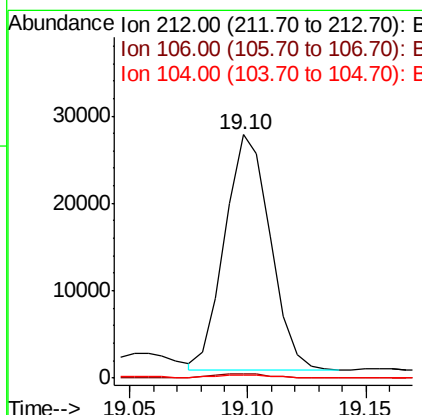
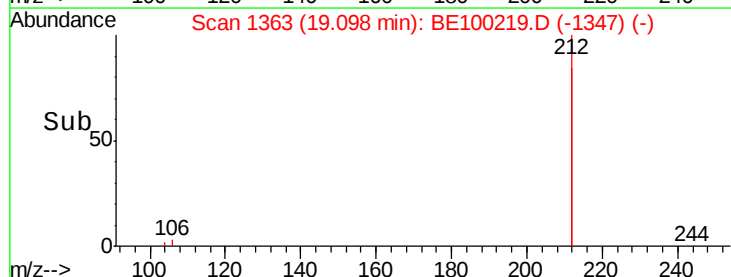
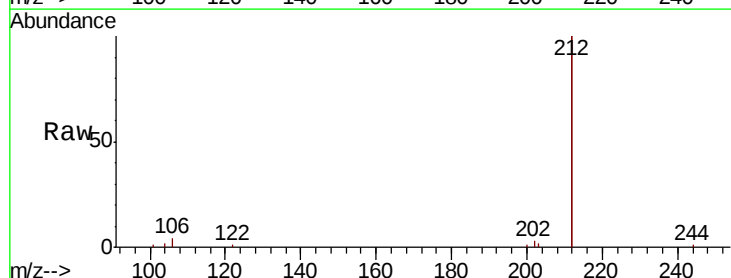
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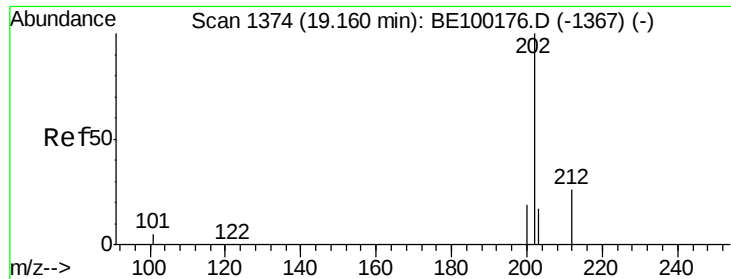
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#25
 Fluoranthene-d10
 Concen: 0.347 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: BE100219.D
 Acq: 27 Jun 2019 23:54

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	1.0	0.7	1.1





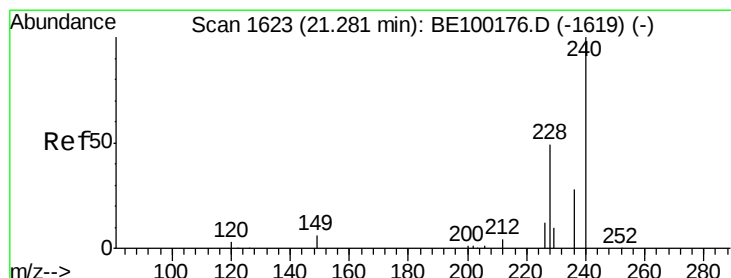
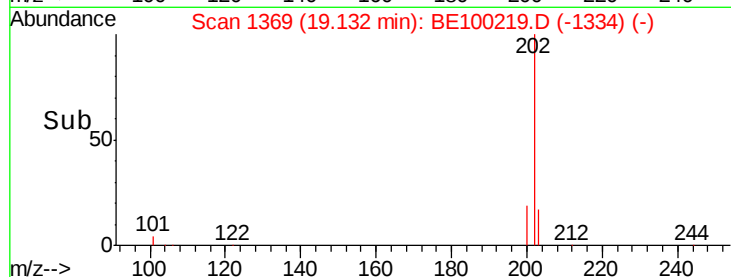
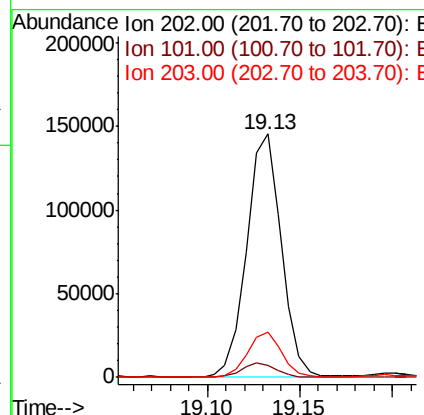
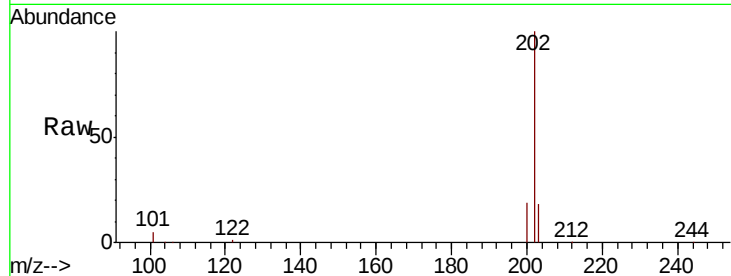
#26
 Fluoranthene
 Concen: 6.720 ng
 RT: 19.13 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: BE100219.D
 Acq: 27 Jun 2019 23:54

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW161-061319

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.6	4.5	6.7
203	18.0	13.7	20.5

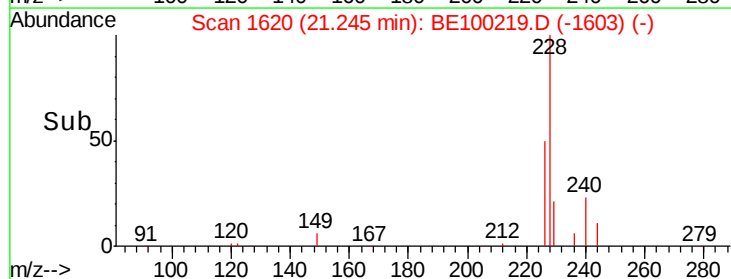
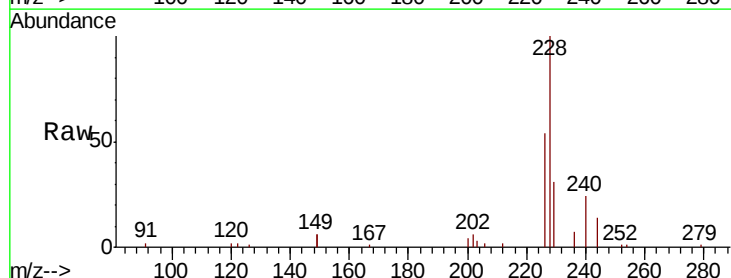
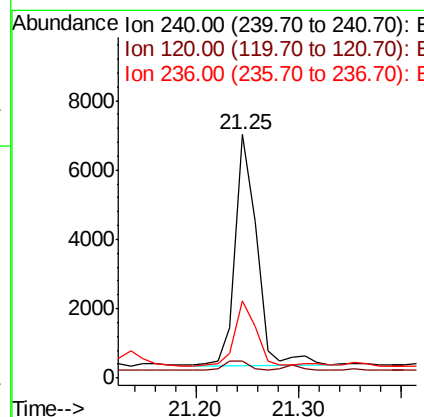
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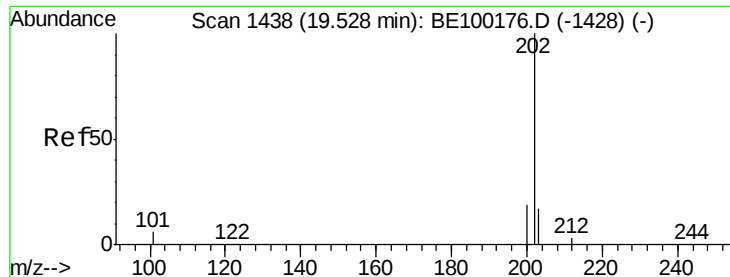
mohammad
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100219.D
 Acq: 27 Jun 2019 23:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.9	4.1	6.1#
236	31.6	23.0	34.6





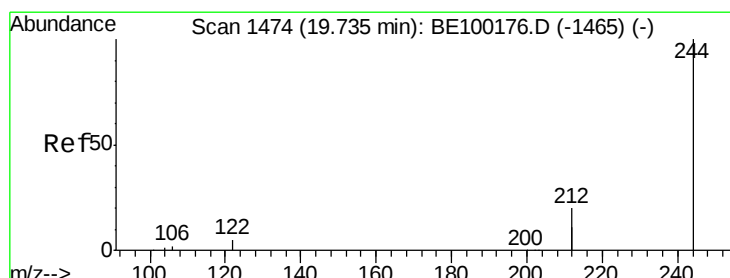
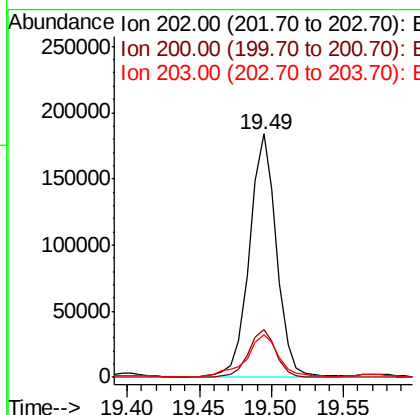
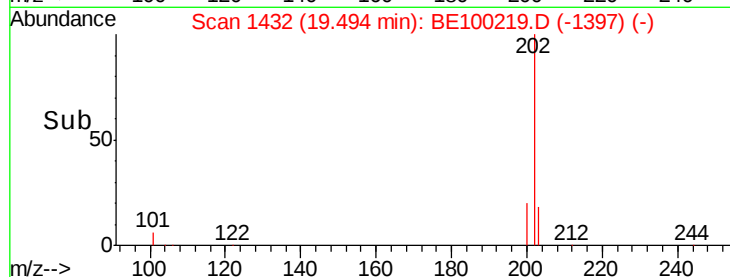
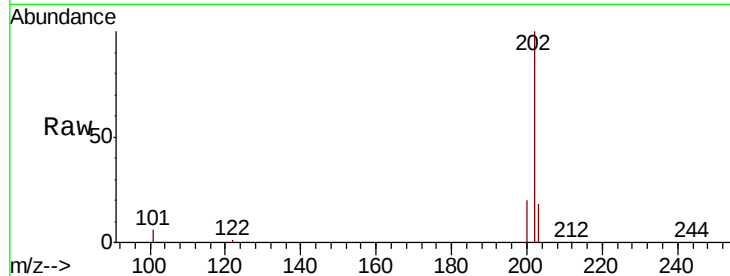
#28
Pvrene
Concen: 9.618 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.00 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.8	15.5	23.3
203	20.9	13.9	20.9

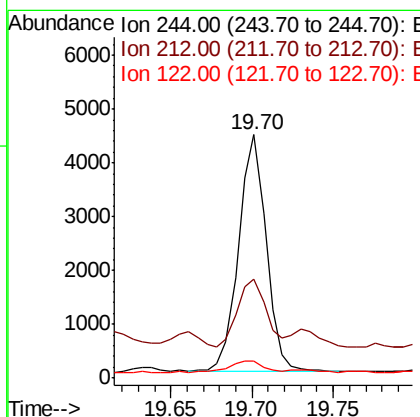
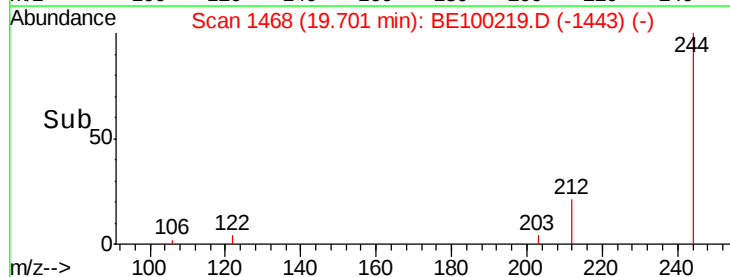
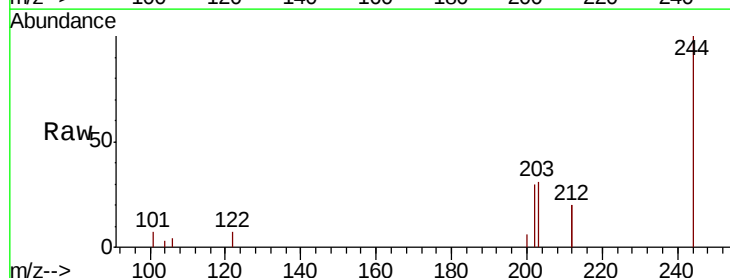
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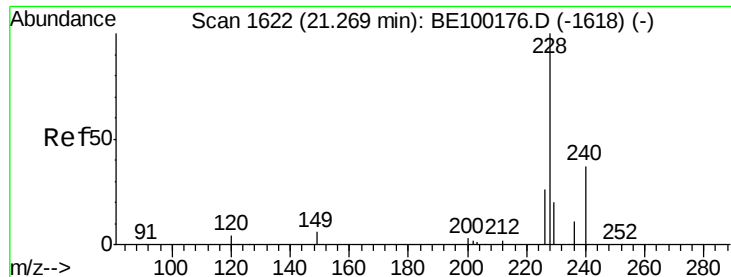
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#29
Terphenyl-d14
Concen: 0.271 ng
RT: 19.70 min Scan# 1468
Delta R.T. -0.01 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	40.4	30.7	46.1
122	6.8	5.8	8.6





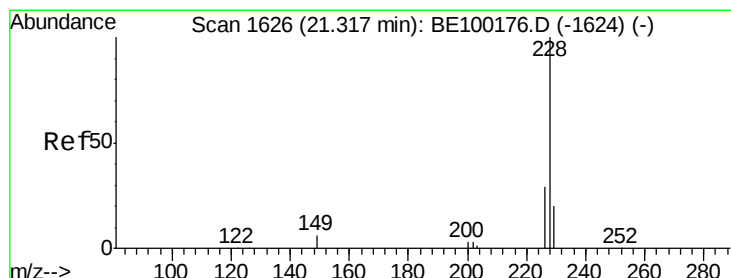
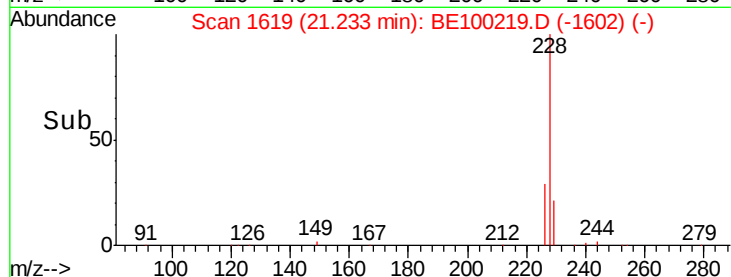
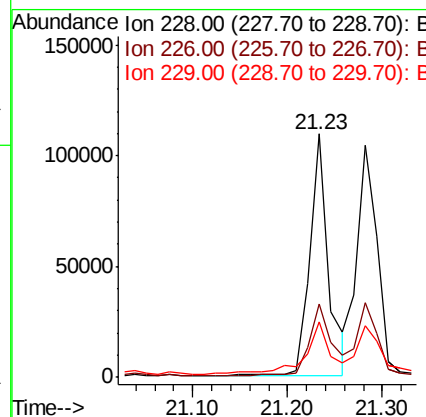
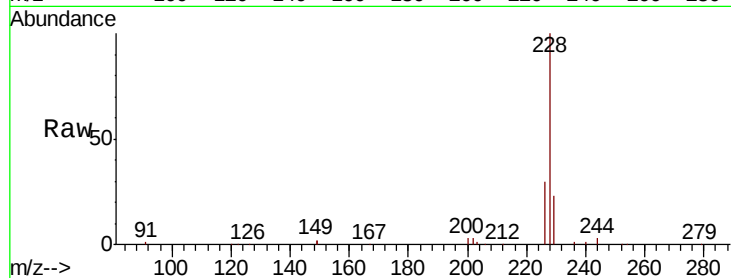
#30
Benzo(a)anthracene
Concen: 5.225 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.00 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	21.5	32.3
229	22.7	17.2	25.8

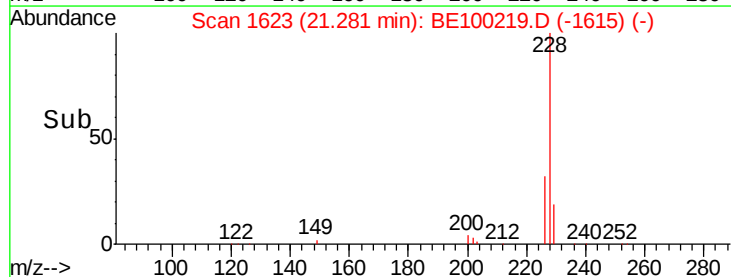
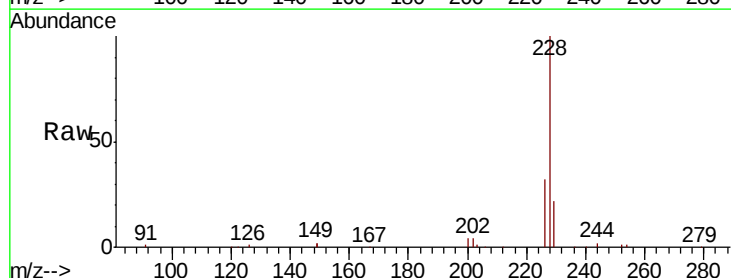
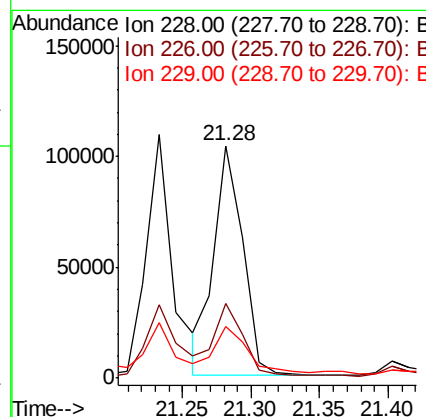
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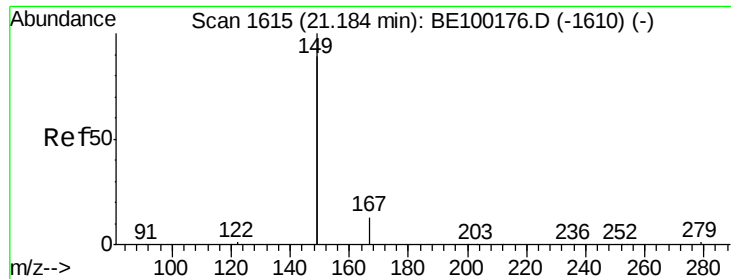
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#31
Chrysene
Concen: 4.489 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	23.7	35.5
229	22.0	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.225 ng

RT: 21.16 min Scan# 1613

Delta R.T. 0.00 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Instrument :

BNA_E

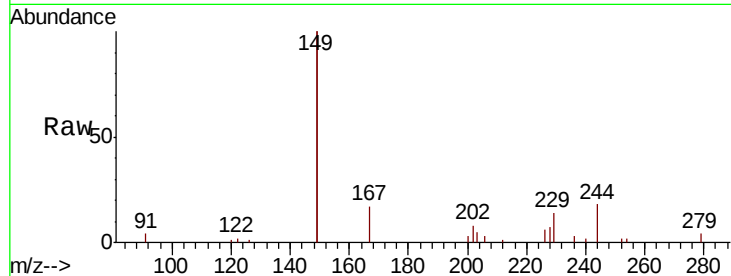
ClientSampleId :

EXT-013-SW161-061319

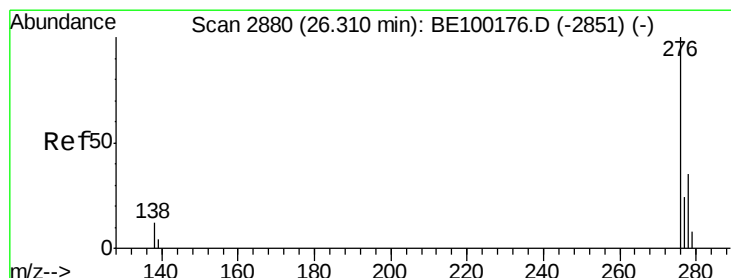
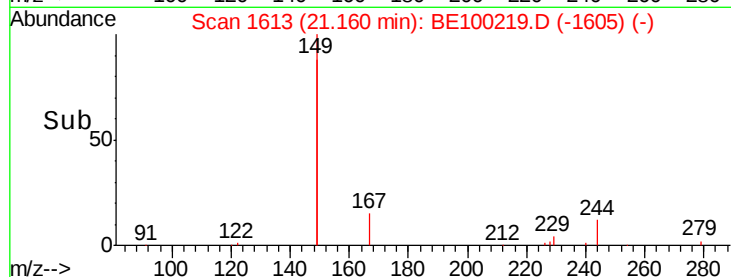
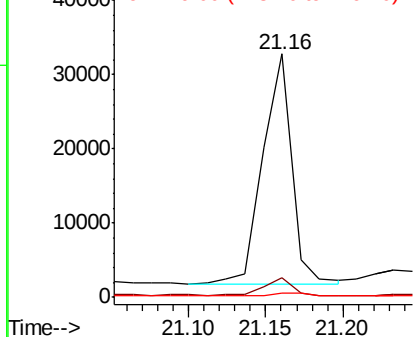
Tot Ion:	149	Resp:	40415
Ion Ratio	Lower	Upper	
149	100		
167	7.1	5.9	8.9
279	1.6	1.0	1.6#

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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: 1.705 ng

RT: 26.23 min Scan# 2858

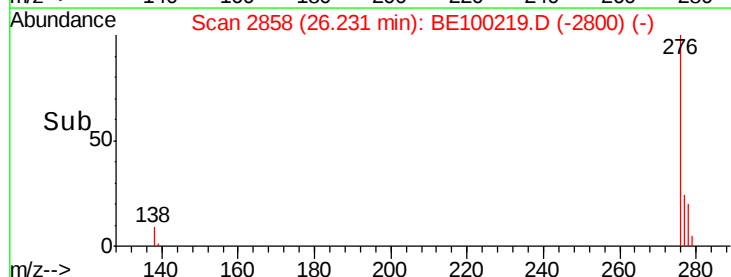
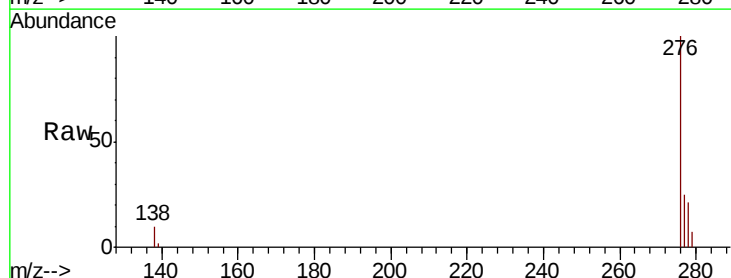
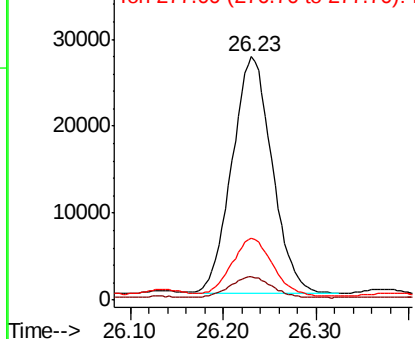
Delta R.T. 0.01 min

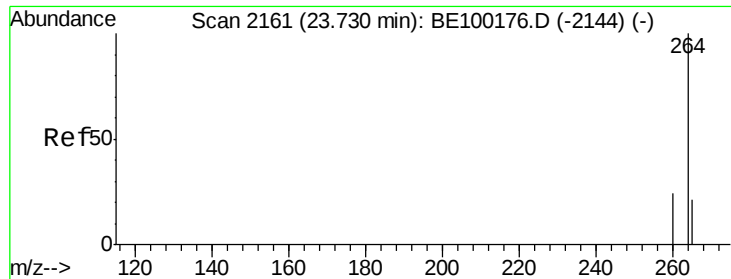
Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Tgt Ion:	276	Resp:	81686
Ion Ratio	Lower	Upper	
276	100		
138	9.4	3.7	5.5#
277	25.0	18.7	28.1

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





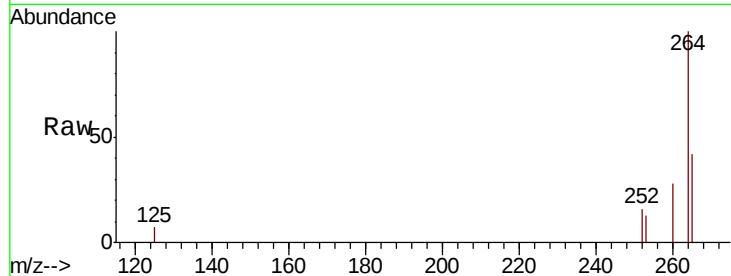
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2145
Delta R.T. 0.00 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.0	20.4	30.6
265	41.5	22.5	33.7

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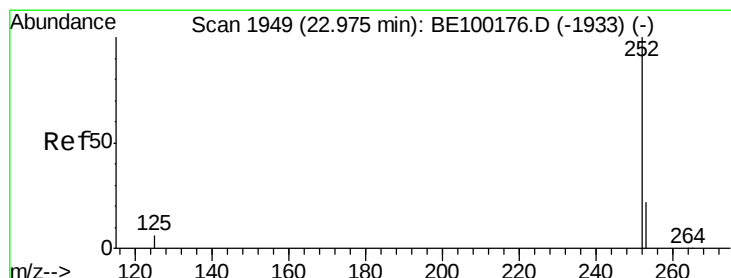
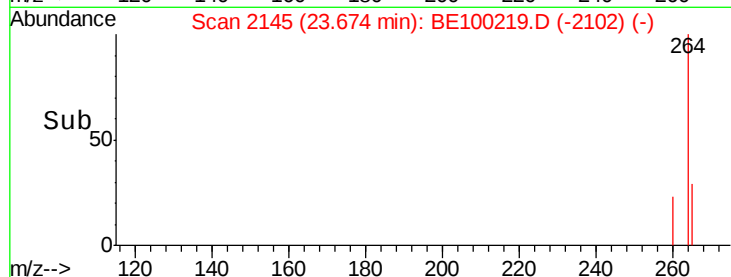
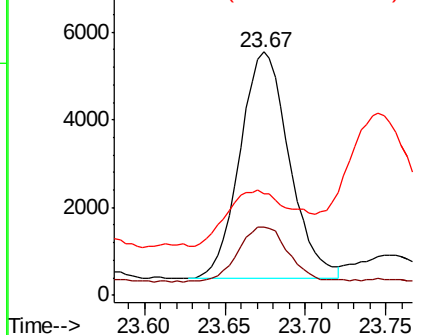


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#35
Benzo(b)fluoranthene
Concen: 5.290 ng
RT: 22.93 min Scan# 1937
Delta R.T. 0.01 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

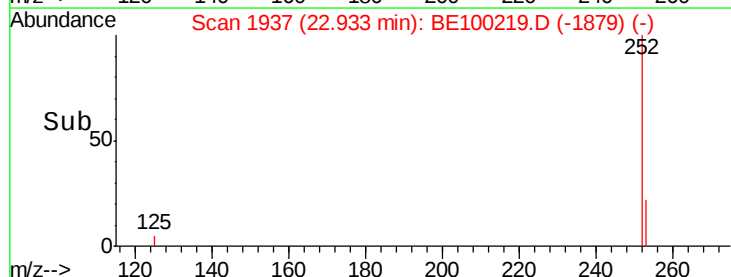
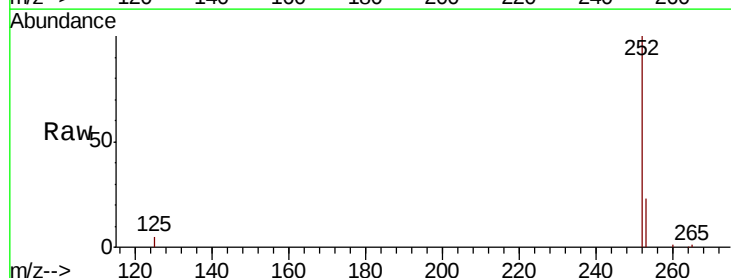
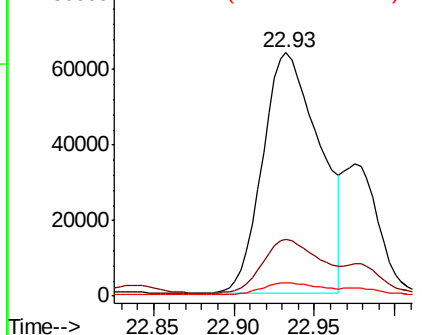
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.0	28.4
125	5.4	6.3	9.5

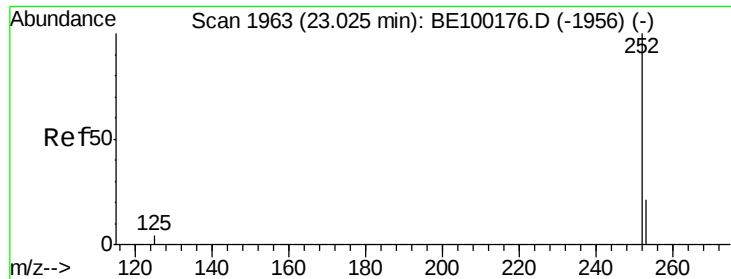
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 1.371 ng m

RT: 22.98 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Instrument :

BNA_E

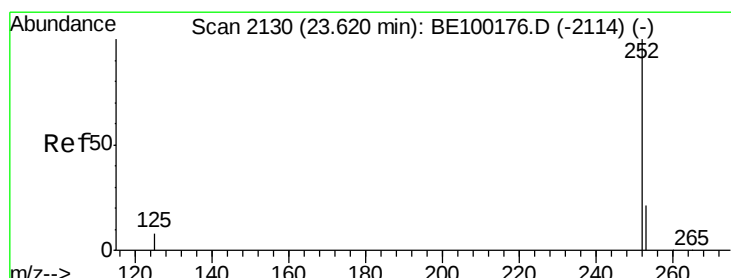
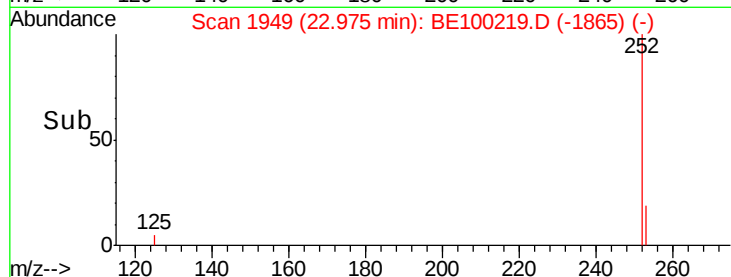
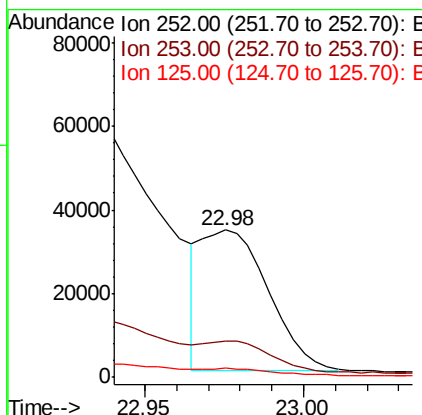
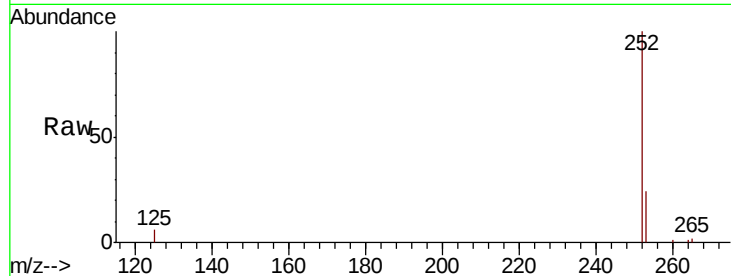
ClientSampleId :

EXT-013-SW161-061319

Tot Ion:	252	Resp:	48757
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.4	27.6
125	6.1	5.0	7.4

Manual Integrations
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#37

Benzo(a)pyrene

Concen: 3.783 ng m

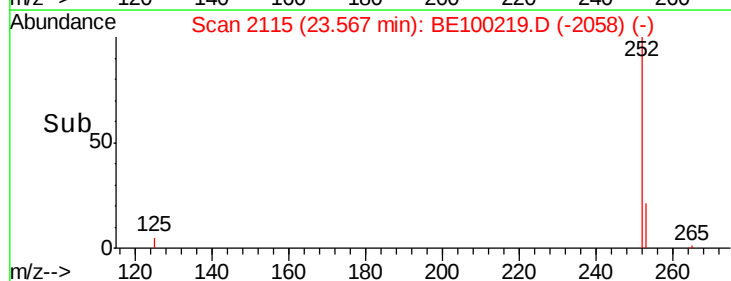
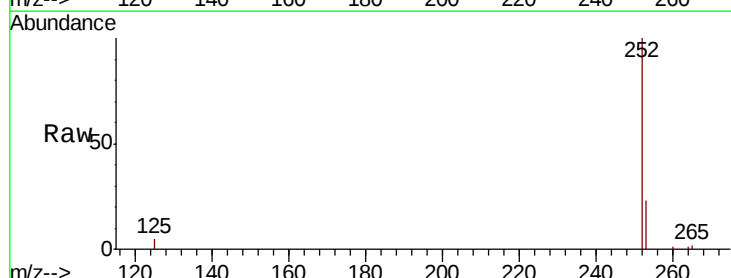
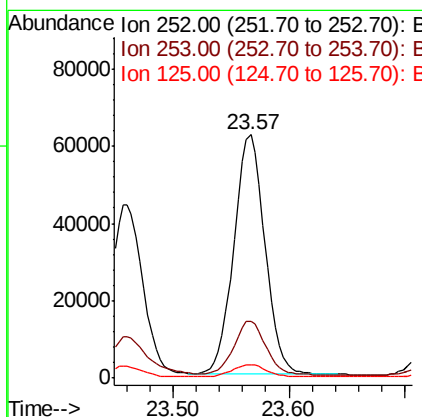
RT: 23.57 min Scan# 2115

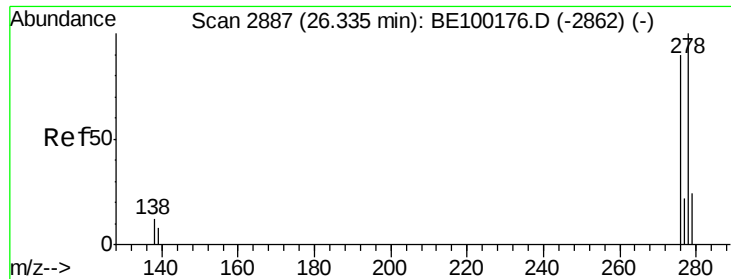
Delta R.T. 0.00 min

Lab File: BE100219.D

Acq: 27 Jun 2019 23:54

Tgt Ion:	252	Resp:	116477
Ion Ratio	Lower	Upper	
252	100		
253	23.4	19.2	28.8
125	5.5	8.2	12.2#





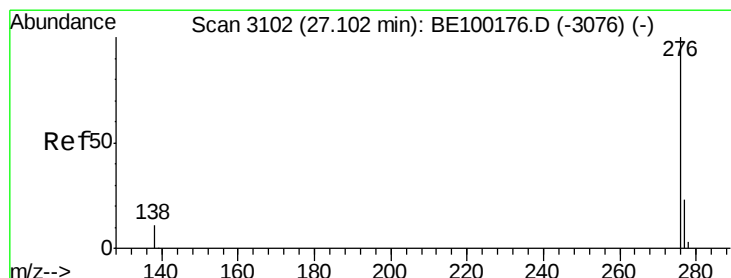
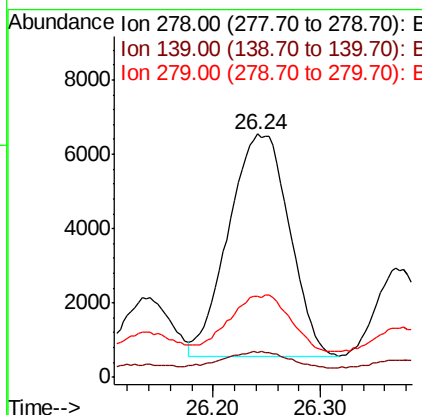
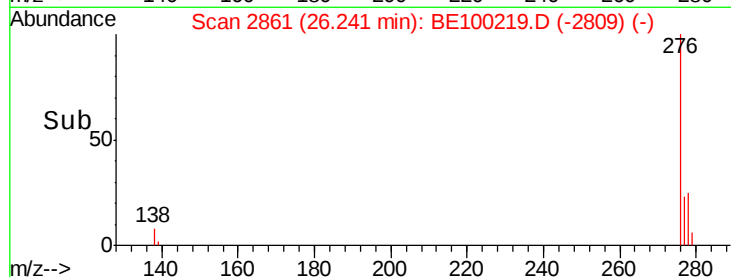
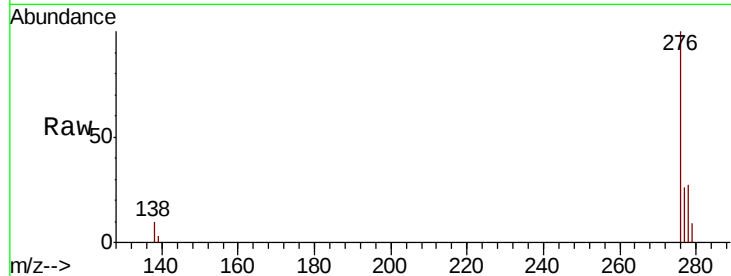
#38
Dibenzo(a,h)anthracene
Concen: 0.707 ng
RT: 26.24 min Scan# 2861
Delta R.T. -0.01 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.4	9.0	13.4
279	33.5	21.1	31.7

Manual Integrations
APPROVED

mohammad
7/1/2019 8:12:26 AM



#39
Benzo(g,h,i)perylene
Concen: 2.532 ng
RT: 27.02 min Scan# 3080
Delta R.T. 0.01 min
Lab File: BE100219.D
Acq: 27 Jun 2019 23:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.8	29.6
138	10.0	10.2	15.4

