

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
 Data File : BE100216.D
 Acq On : 27 Jun 2019 22:03
 Operator : JU/SJ
 Sample : K3428-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW164-061319

Manual Integrations
 APPROVED

mohammad
 7/1/2019 8:12:18 AM

Quant Time: Jun 28 05:56:07 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	7.64	152	940	0.40	ng	-0.01
7) Naphthalene-d8	10.45	136	3387	0.40	ng	0.00
13) Acenaphthene-d10	14.33	164	2650	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	7433	0.40	ng	0.00
27) Chrysene-d12	21.25	240	10137	0.40	ng	0.00
34) Perylene-d12	23.67	264	12823	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.22	112	778	0.37	ng	0.00
5) Phenol-d6	6.83	99	1102	0.38	ng	-0.02
8) Nitrobenzene-d5	8.81	82	1071	0.32	ng	-0.02
11) 2-Methylnaphthalene-d10	12.05	152	2430	0.38	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	613	0.40	ng	-0.03
15) 2-Fluorobiphenyl	12.94	172	3491	0.33	ng	-0.01
25) Fluoranthene-d10	19.10	212	38130	0.36	ng	0.00
29) Terphenyl-d14	19.70	244	6927	0.35	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	29379	0.795	ng	# 96
12) 2-Methylnaphthalene	12.12	142	4435	0.745	ng	96
16) Acenaphthylene	14.04	152	25811	1.998	ng	98
17) Acenaphthene	14.38	154	6479	0.895	ng	98
18) Fluorene	15.35	166	13954	1.332	ng	# 91
22) Pentachlorophenol	16.72	266	119	0.341	ng	91
23) Phenanthrene	17.11	178	343369	19.502	ng	99
24) Anthracene	17.19	178	58614	3.942	ng	99
26) Fluoranthene	19.13	202	790816	27.609	ng	98
28) Pylene	19.49	202	819483	31.567	ng	# 95
30) Benzo(a)anthracene	21.23	228	540158	18.074	ng	97
31) Chrysene	21.28	228	528221	15.069	ng	96
32) Bis(2-ethylhexyl)phthalate	21.16	149	309498	9.010	ng	100
33) Indeno(1,2,3-cd)pyrene	26.23	276	356942	7.153	ng	# 96
35) Benzo(b)fluoranthene	22.94	252	652841	18.929	ng	# 97
36) Benzo(k)fluoranthene	22.98	252	214591m	5.200	ng	
37) Benzo(a)pyrene	23.57	252	467947	13.094	ng	# 94
38) Dibenzo(a,h)anthracene	26.25	278	93262	2.440	ng	# 94
39) Benzo(g,h,i)perylene	27.04	276	367137	9.199	ng	# 97

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

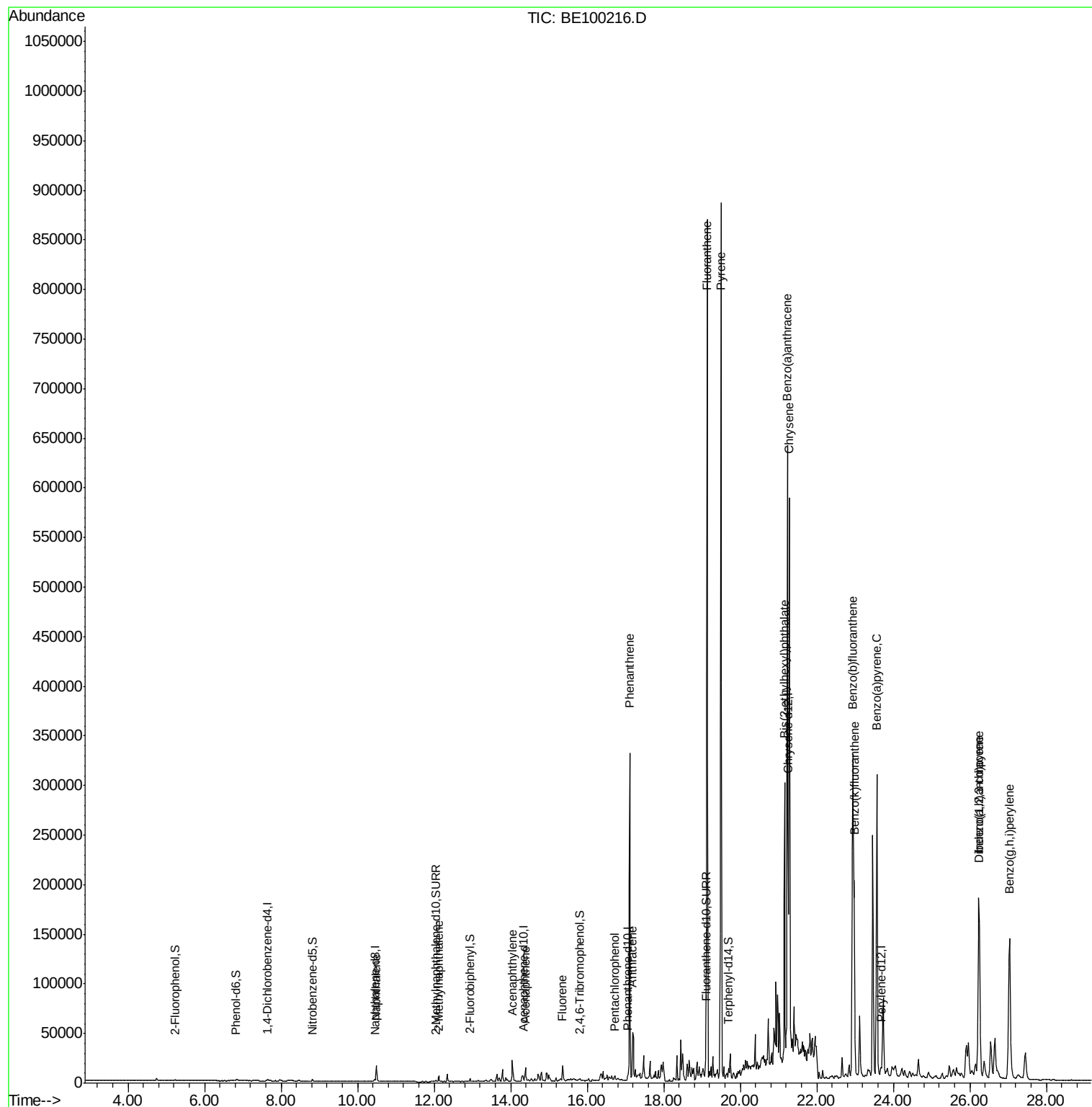
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
Data File : BE100216.D
Acq On : 27 Jun 2019 22:03
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ALS Vial : 10 Sample Multiplier: 1

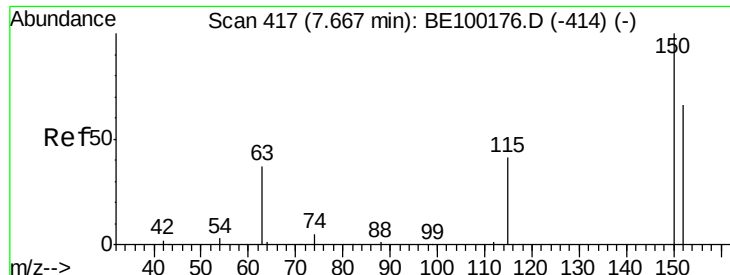
Instrument :
BNA_E
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EXT-013-SW164-061319

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#1

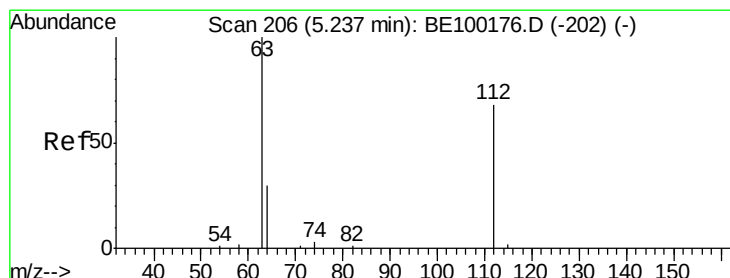
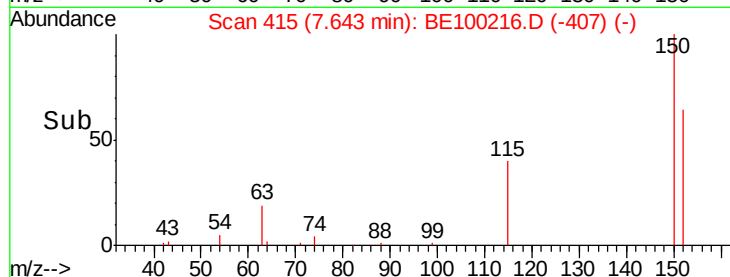
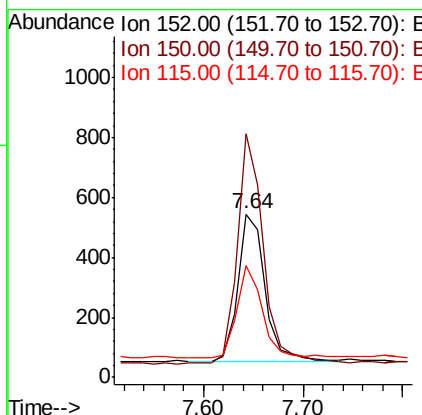
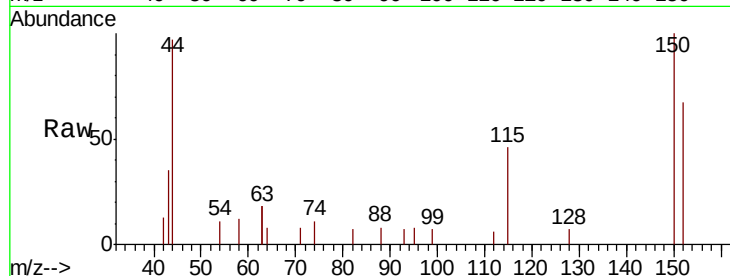
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.01 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.0	113.4	170.2
115	68.4	55.8	83.6

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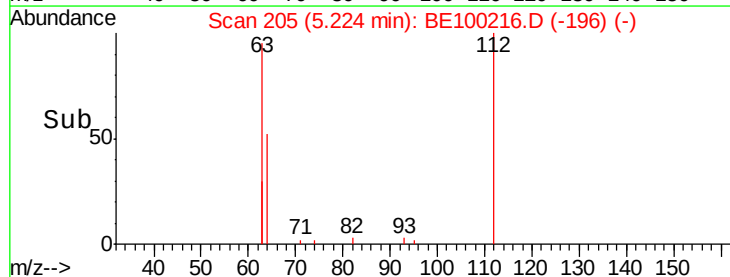
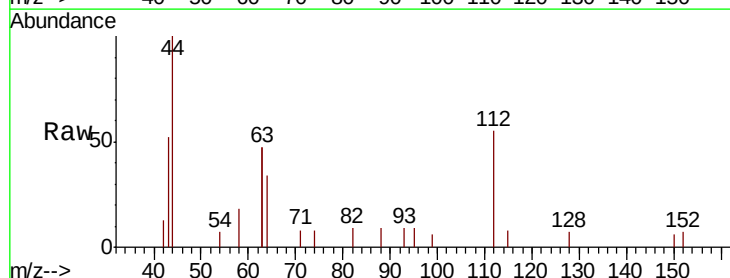
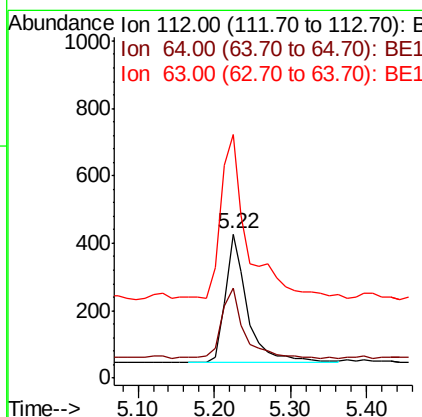
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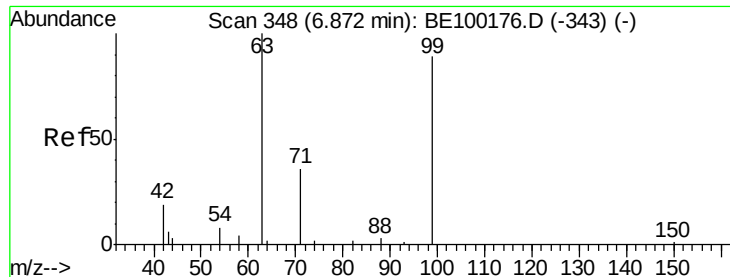


#4

2-Fluorophenol
Concen: 0.372 ng
RT: 5.22 min Scan# 205
Delta R.T. 0.00 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	40.7	61.1
63	152.2	93.2	139.8





#5

Phenol-d6

Concen: 0.383 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.02 min

Lab File: BE100216.D

Acq: 27 Jun 2019 22:03

Instrument :

BNA_E

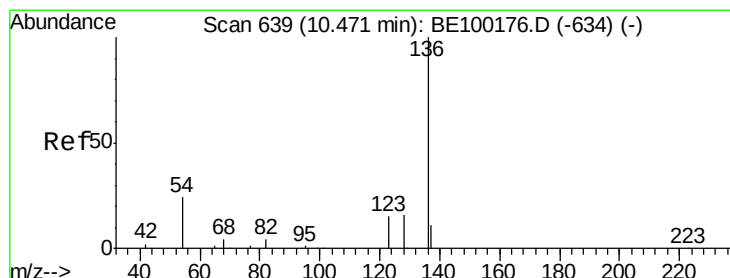
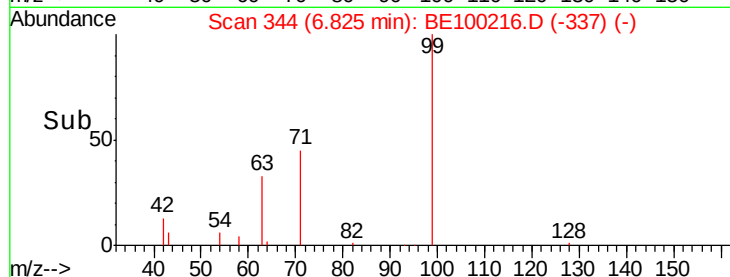
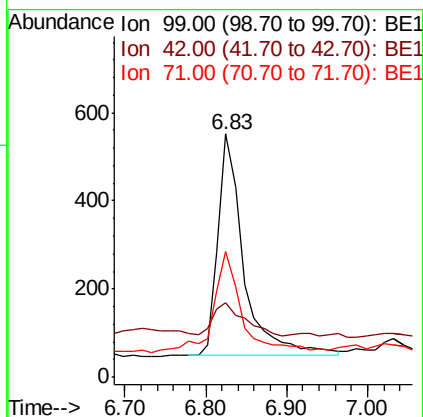
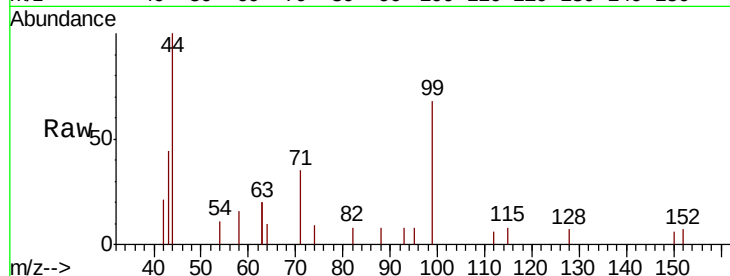
ClientSampleId :

EXT-013-SW164-061319

Tot Ion:	99	Resp:	1102
Ion	Ratio	Lower	Upper
99	100		
42	18.1	10.4	15.6#
71	43.6	32.4	48.6

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#7

Naphthalene-d8

Concen: 0.400 ng

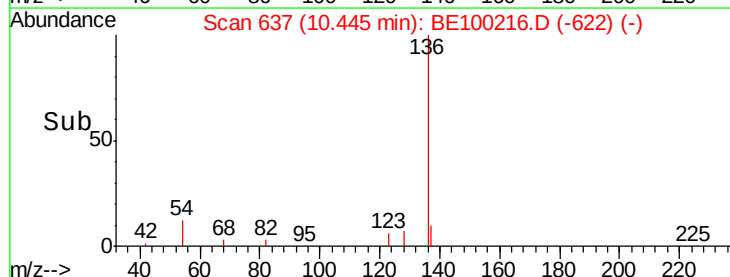
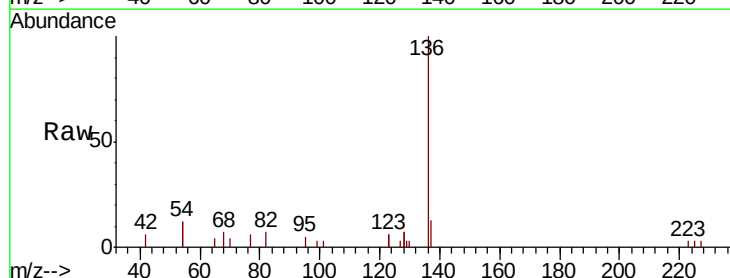
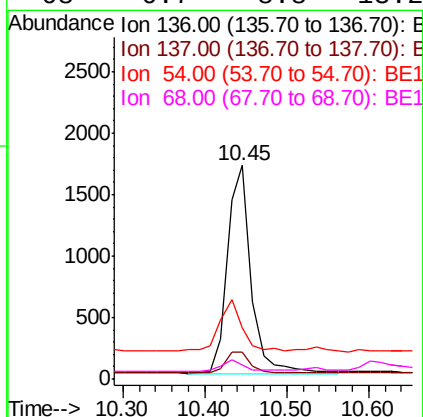
RT: 10.45 min Scan# 637

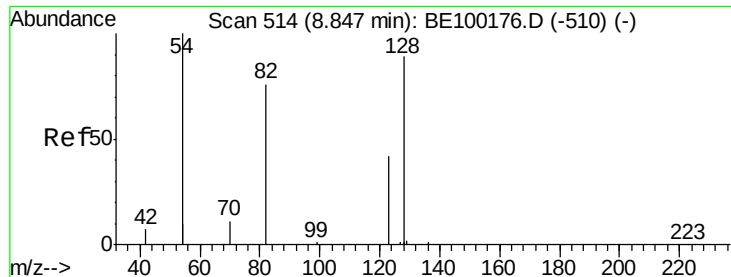
Delta R.T. 0.00 min

Lab File: BE100216.D

Acq: 27 Jun 2019 22:03

Tgt Ion:	136	Resp:	3387
Ion	Ratio	Lower	Upper
136	100		
137	12.9	13.8	20.8#
54	24.3	35.4	53.2#
68	6.7	8.8	13.2#





#8

Nitrobenzene-d5

Concen: 0.318 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.02 min

Lab File: BE100216.D

Acq: 27 Jun 2019 22:03

Instrument :

BNA_E

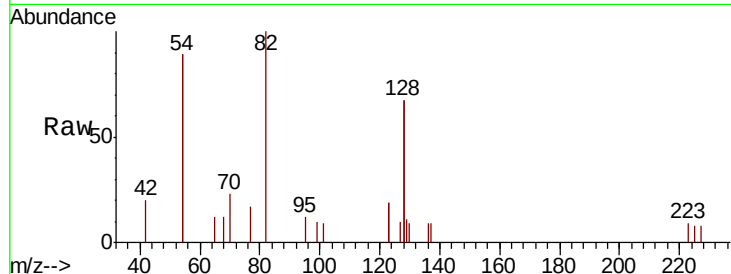
ClientSampleId :

EXT-013-SW164-061319

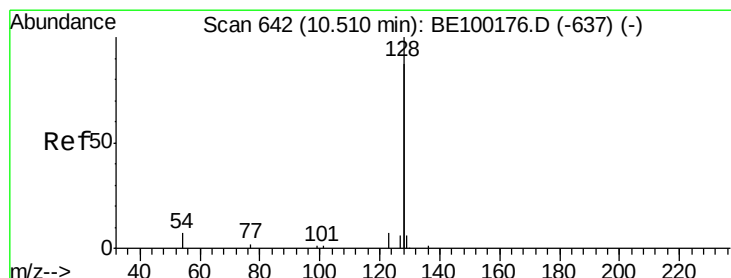
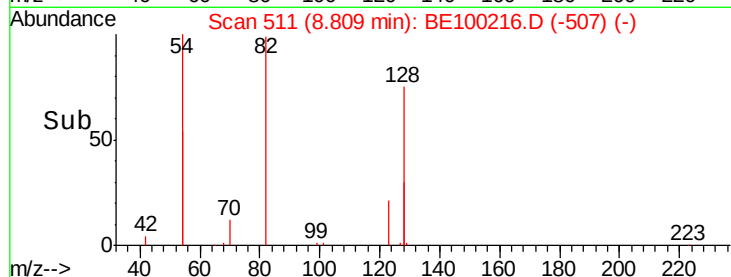
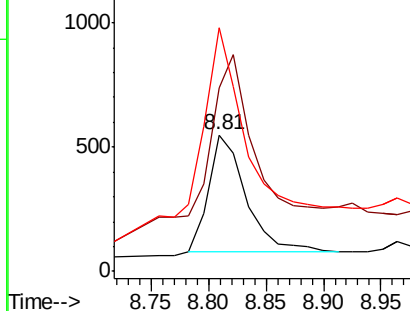
Tot Ion:	82	Resp:	1071
Ion Ratio	Lower	Upper	
82	100		
128	134.7	144.6	217.0#
54	178.8	163.0	244.6

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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: 0.795 ng

RT: 10.48 min Scan# 640

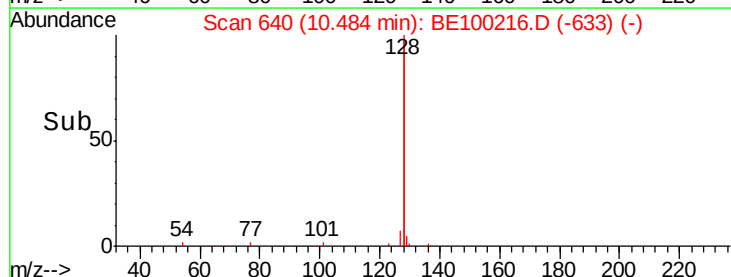
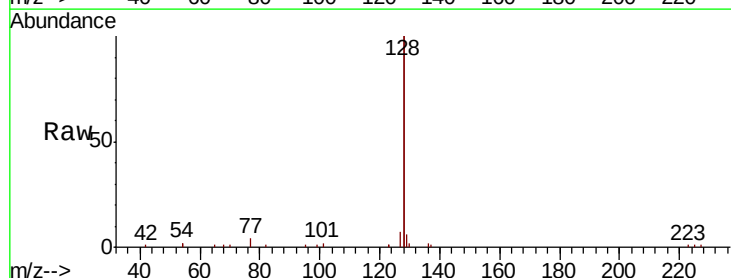
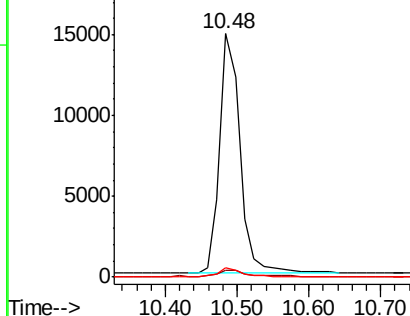
Delta R.T. -0.01 min

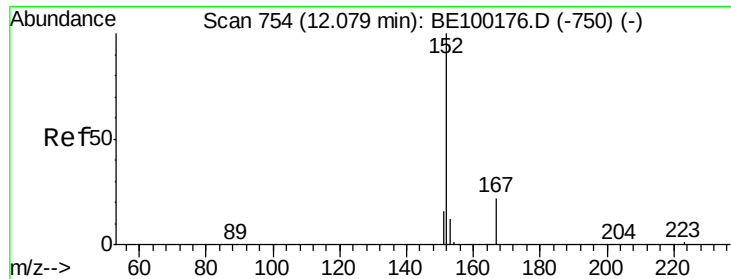
Lab File: BE100216.D

Acq: 27 Jun 2019 22:03

Tgt Ion:	128	Resp:	29379
Ion Ratio	Lower	Upper	
128	100		
129	3.0	3.6	5.4#
127	3.7	3.8	5.8#

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





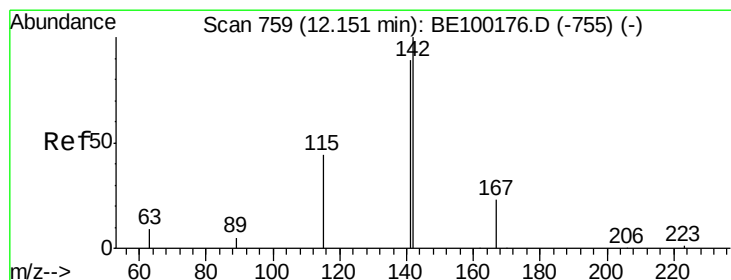
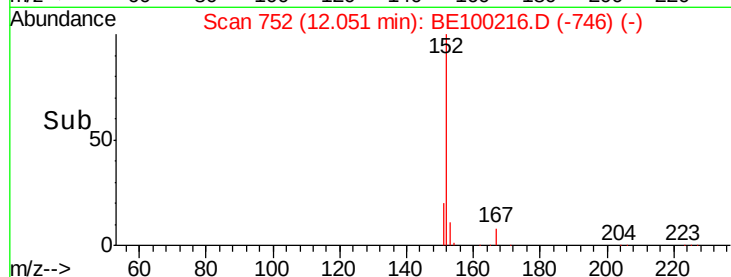
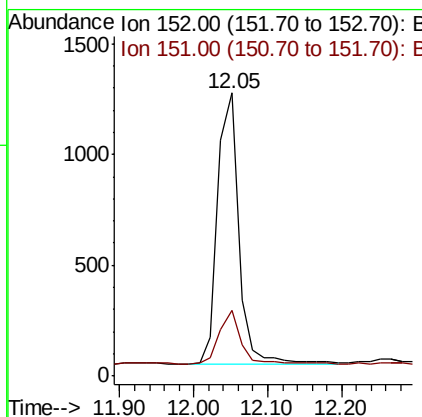
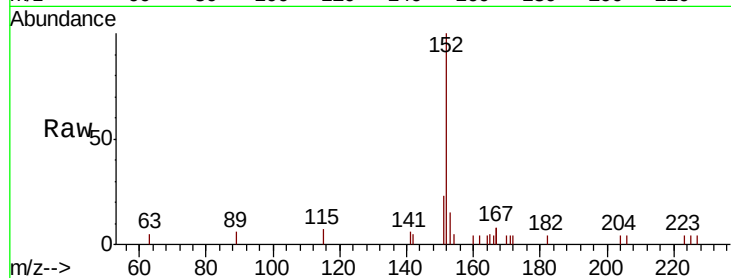
#11
2-Methylnaphthalene-d10
Concen: 0.383 ng
RT: 12.05 min Scan# 752
Delta R.T. -0.01 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319

Tot Ion:152 Resp: 2430
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5

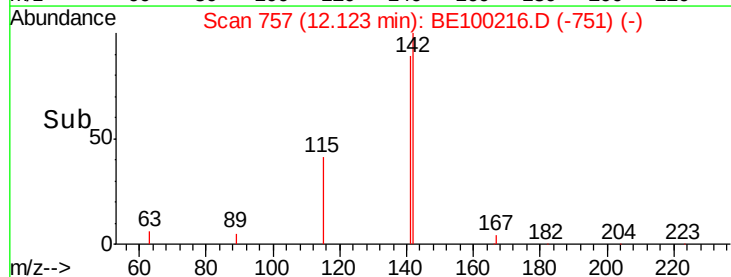
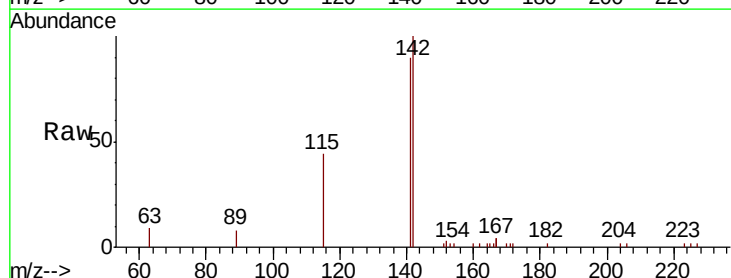
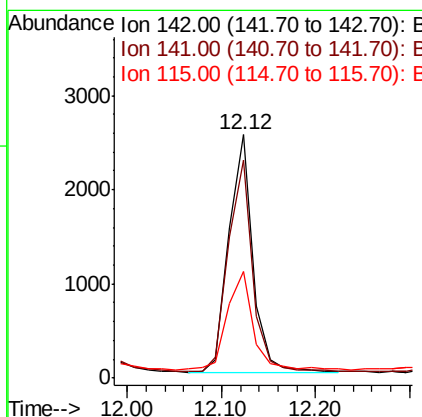
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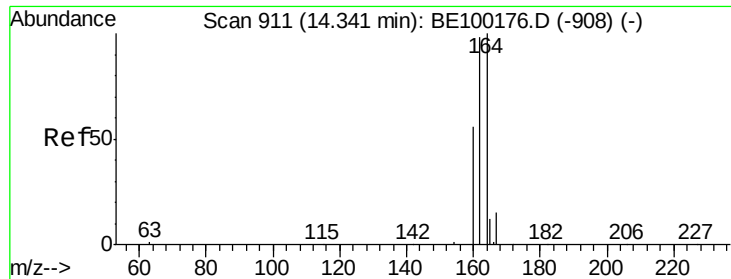
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#12
2-Methylnaphthalene
Concen: 0.745 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.01 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

Tgt Ion:142 Resp: 4435
Ion Ratio Lower Upper
142 100
141 89.5 71.8 107.8
115 43.8 40.4 60.6





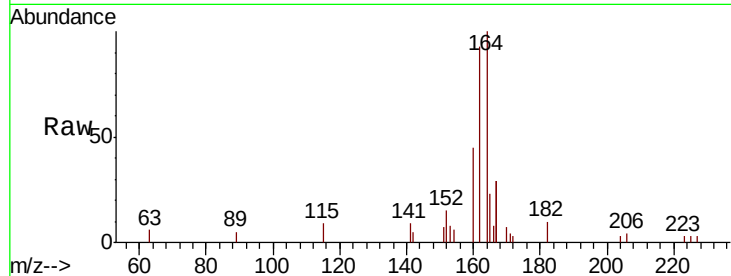
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 910
Delta R.T. -0.00 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319

Tot Ion	Ratio	Lower	Upper
164	100		
162	93.1	78.6	118.0
160	45.4	46.9	70.3#

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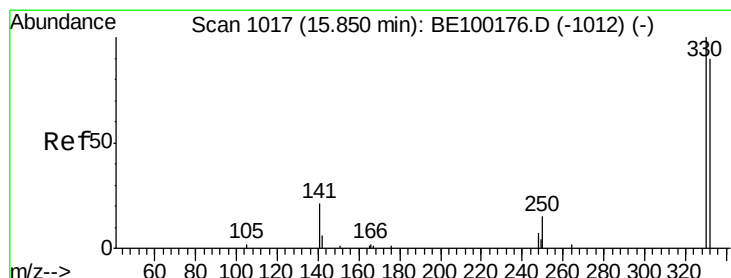
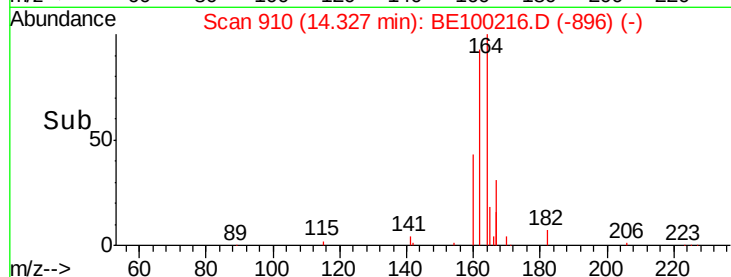
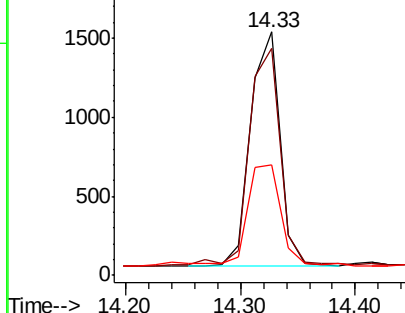


Abundance

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: 0.400 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.03 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

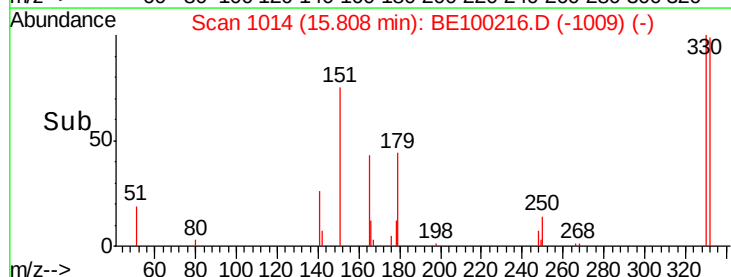
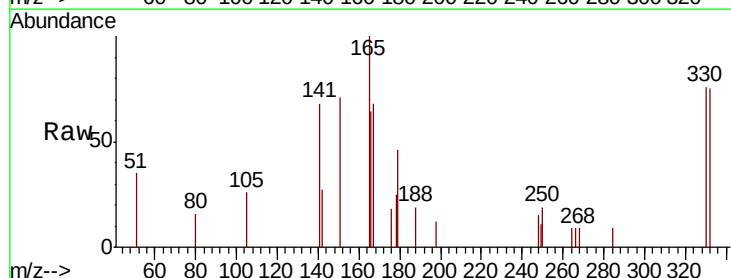
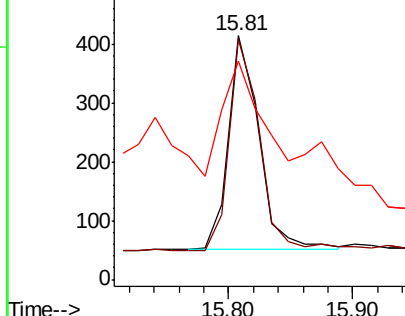
Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.6	77.7	116.5
141	149.9	18.9	28.3#

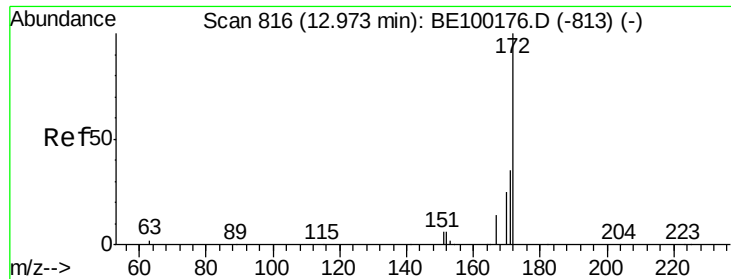
Abundance

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





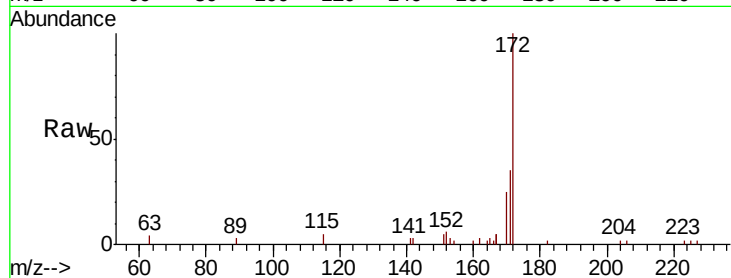
#15
2-Fluorobiphenyl
Concen: 0.329 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.01 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	31.0	46.4
170	24.5	23.9	35.9

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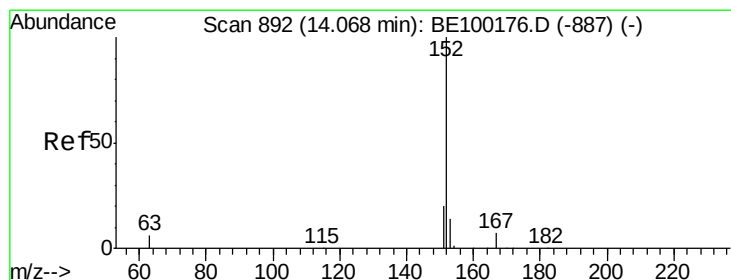
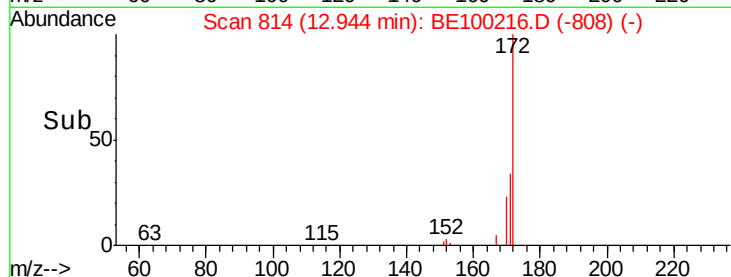
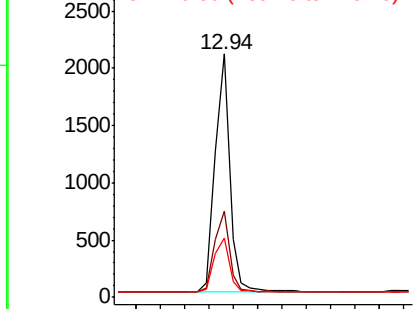


Abundance

Ion 172.00 (171.70 to 172.70): E

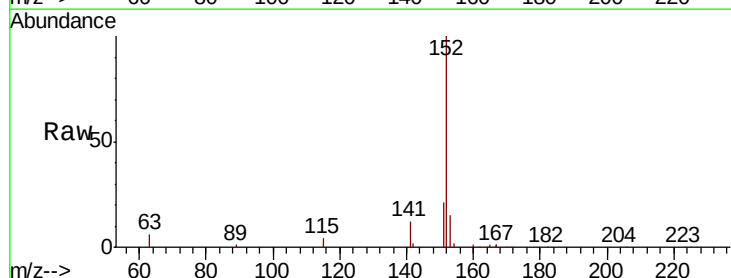
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 1.998 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.4	23.0
153	14.1	10.8	16.2

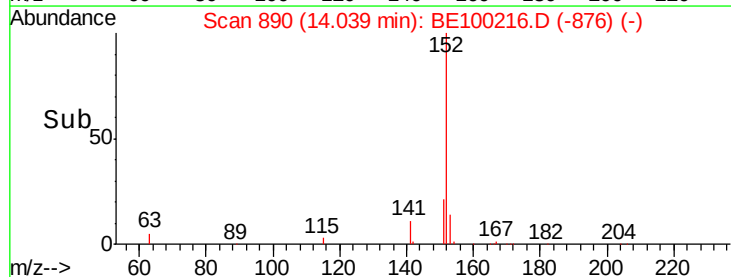
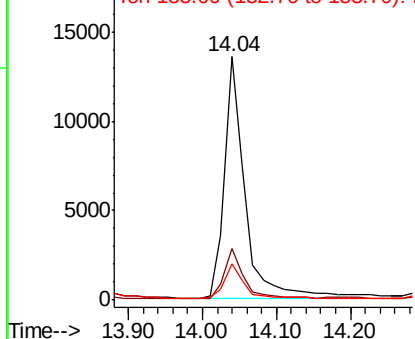


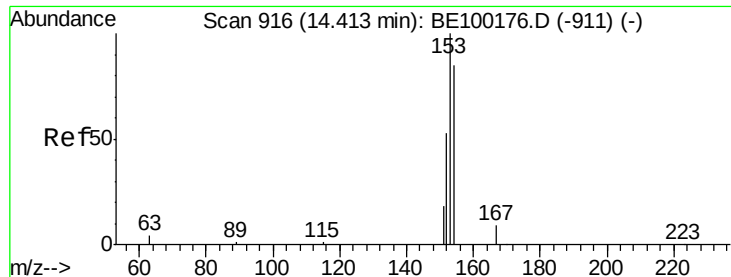
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





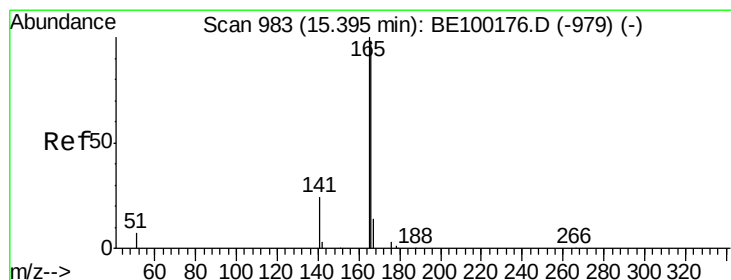
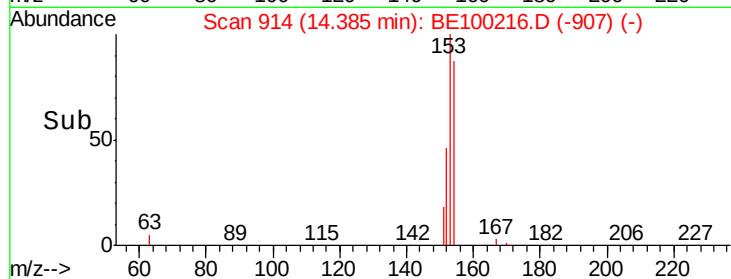
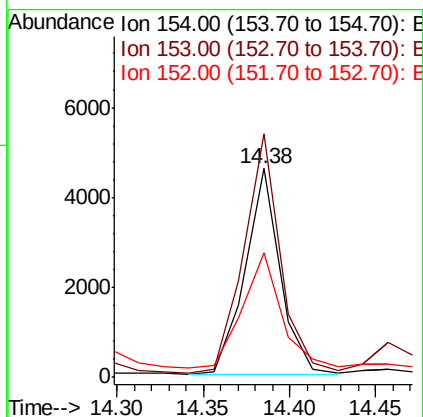
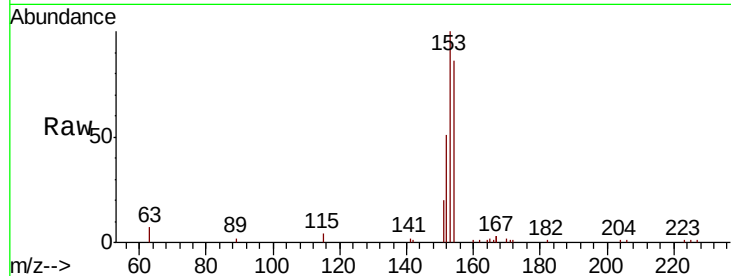
#17
Acenaphthene
Concen: 0.895 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319

Tot Ion	Ratio	Lower	Upper
154	100		
153	119.8	95.3	142.9
152	63.1	52.9	79.3

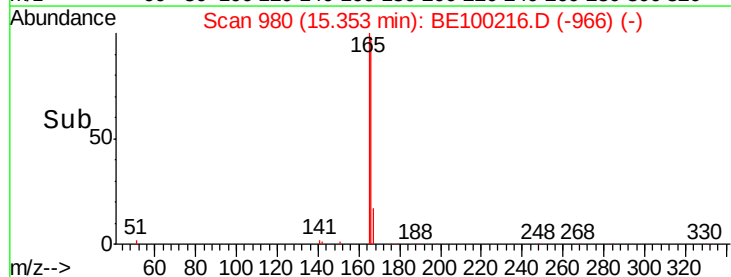
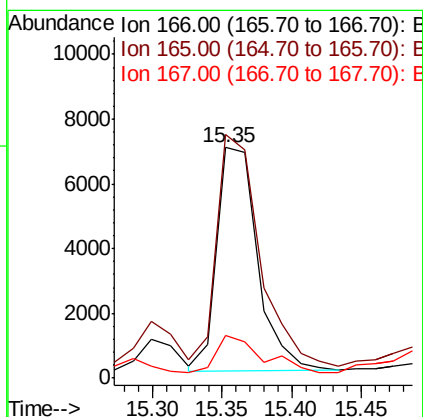
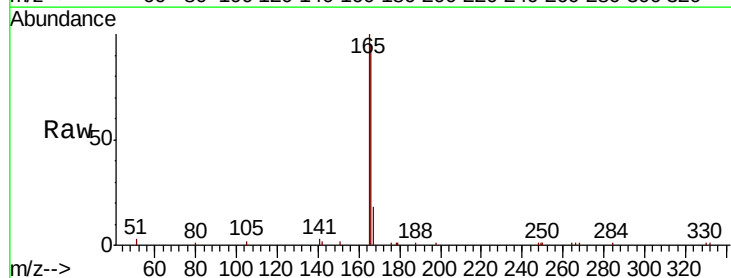
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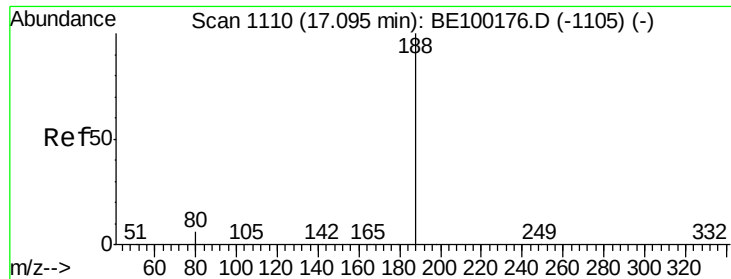
mohammad
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#18
Fluorene
Concen: 1.332 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.01 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	109.8	81.0	121.4
167	19.6	11.4	17.0





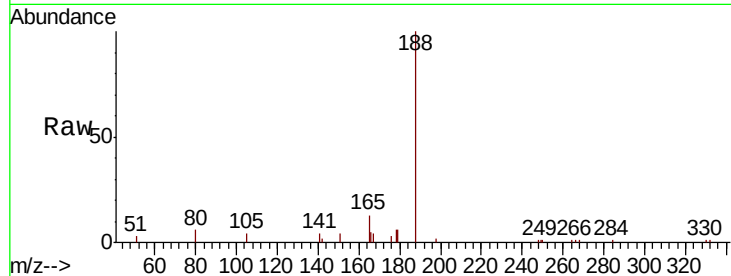
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1108
Delta R.T. -0.00 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.6	6.4	9.6#

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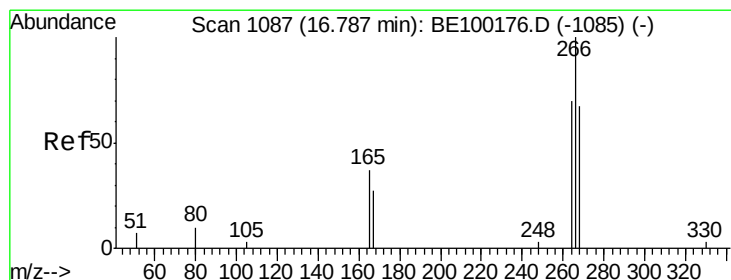
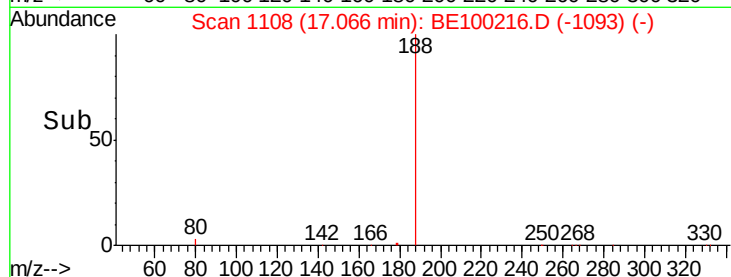
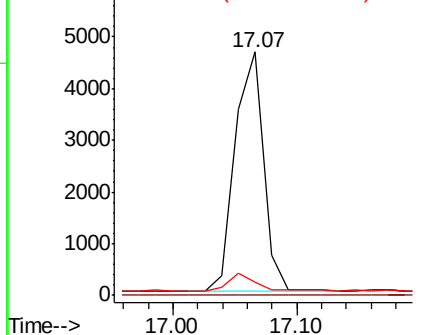


Abundance

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



#22
Pentachlorophenol
Concen: 0.341 ng
RT: 16.72 min Scan# 1082
Delta R.T. -0.00 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

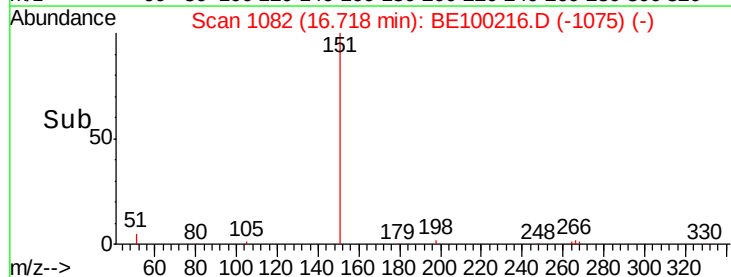
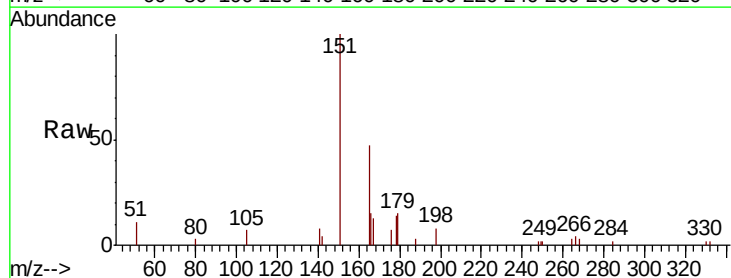
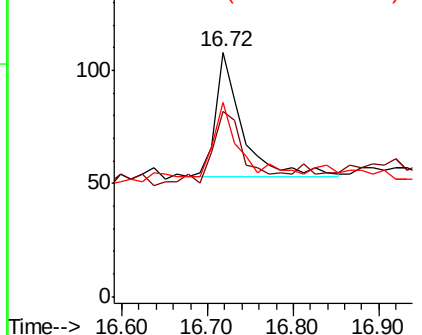
Tgt Ion	Ratio	Resp Lower	Upper
266	100		
264	75.9	67.7	101.5
268	79.6	69.8	104.6

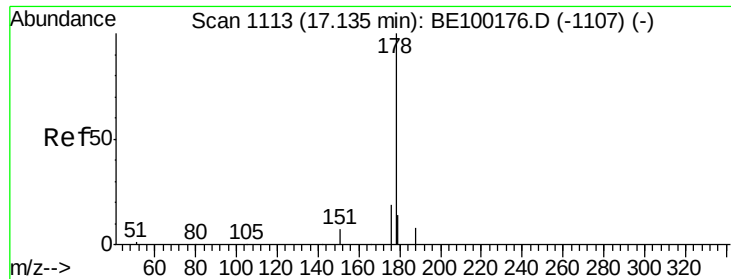
Abundance

Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





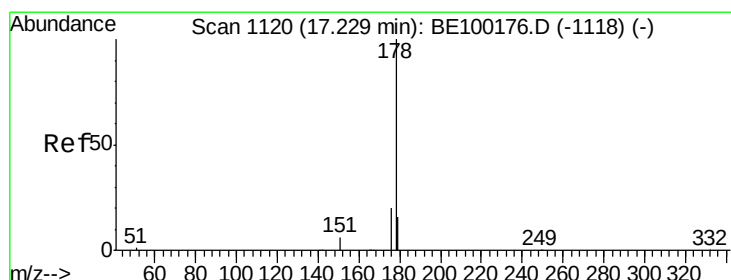
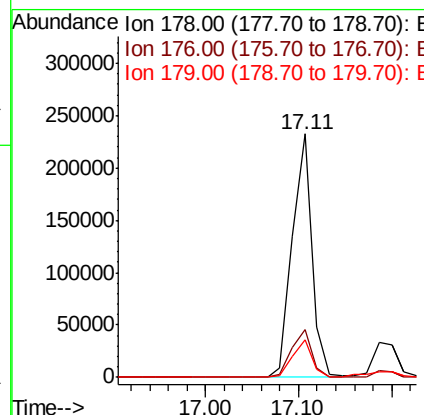
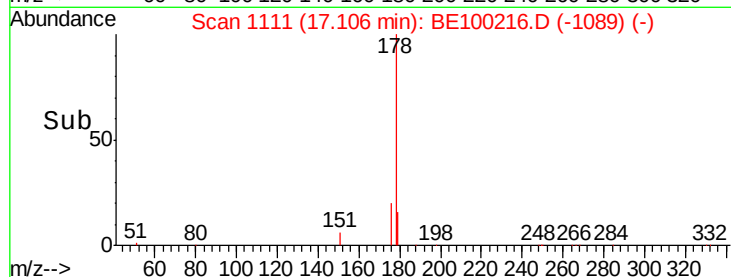
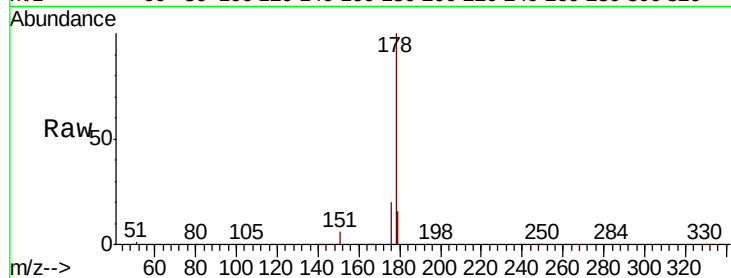
#23
Phenanthrene
Concen: 19.502 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.5	23.3
179	15.7	12.2	18.2

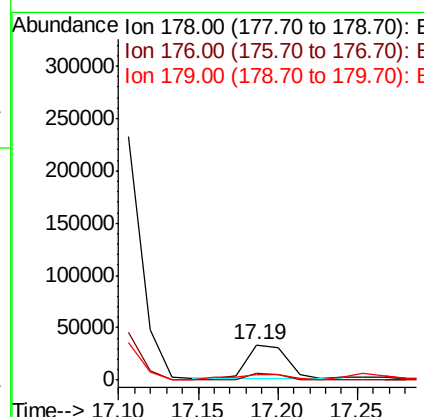
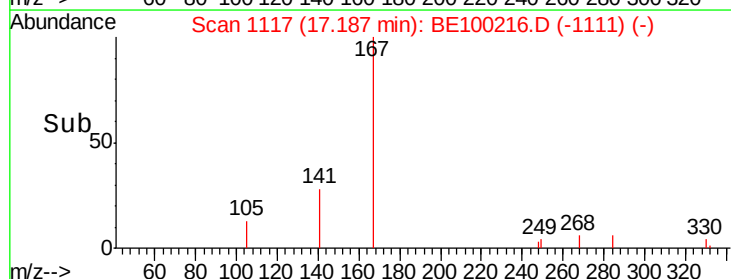
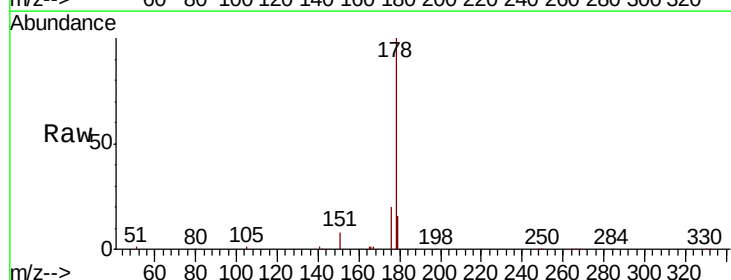
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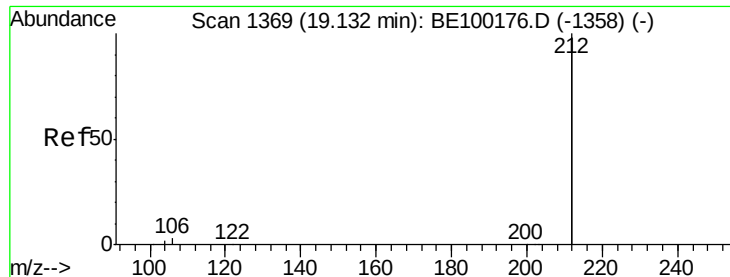
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#24
Anthracene
Concen: 3.942 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	16.9	12.9	19.3





#25

Fluoranthene-d10

Concen: 0.356 ng

RT: 19.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BE100216.D

Acq: 27 Jun 2019 22:03

Instrument :

BNA_E

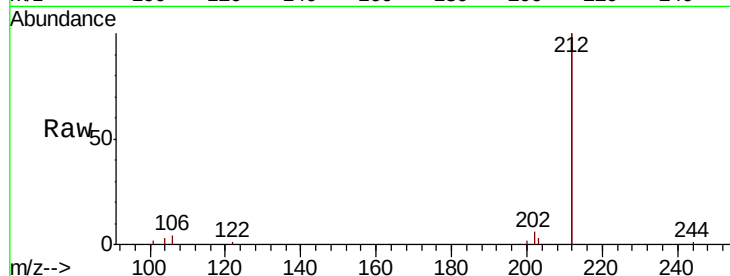
ClientSampleId :

EXT-013-SW164-061319

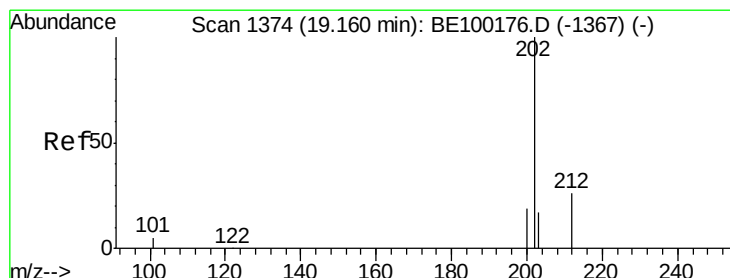
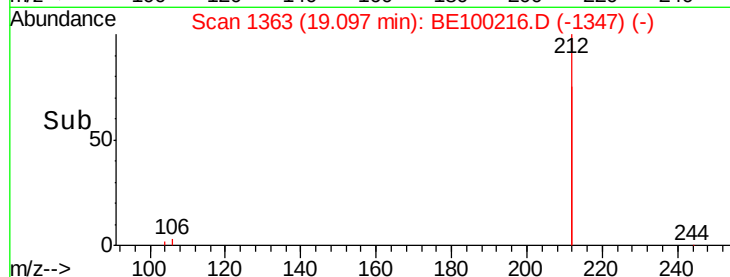
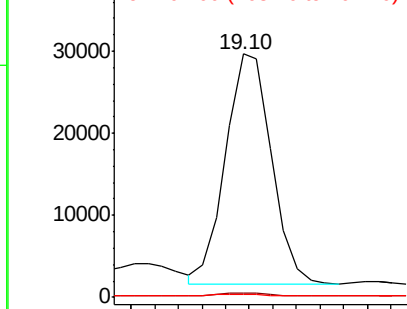
Tot Ion:	212	Resp:	38130
Ion Ratio	Lower	Upper	
212	100		
106	1.6	1.3	1.9
104	1.1	0.7	1.1

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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: 27.609 ng

RT: 19.13 min Scan# 1369

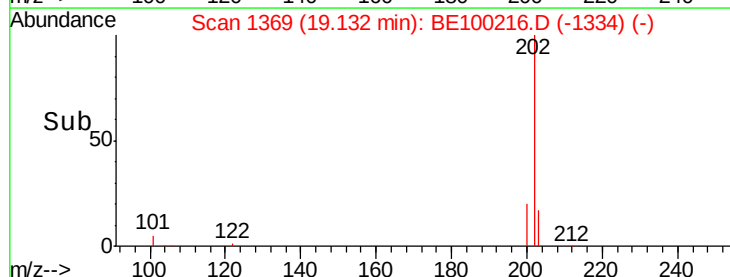
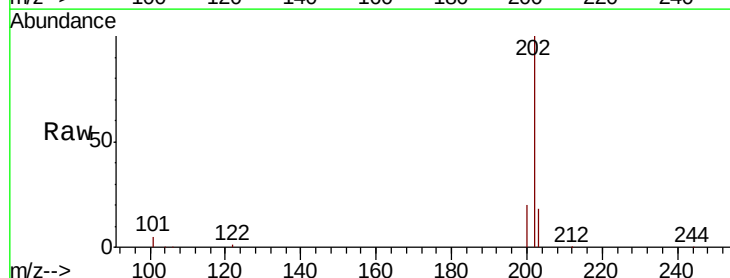
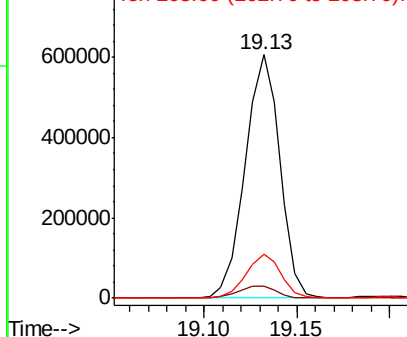
Delta R.T. -0.00 min

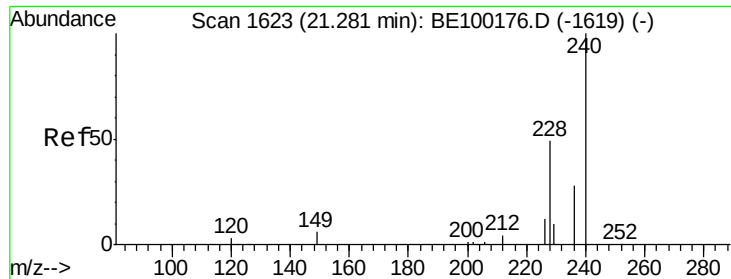
Lab File: BE100216.D

Acq: 27 Jun 2019 22:03

Tgt Ion:	202	Resp:	790816
Ion Ratio	Lower	Upper	
202	100		
101	5.2	4.5	6.7
203	17.9	13.7	20.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





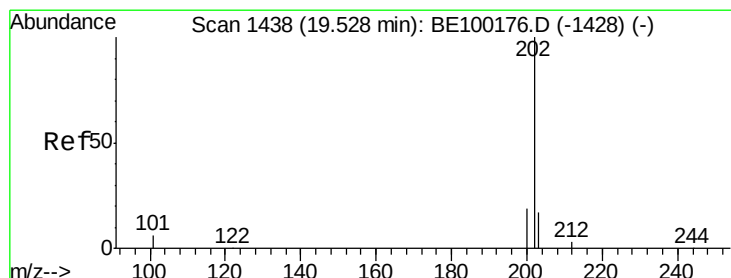
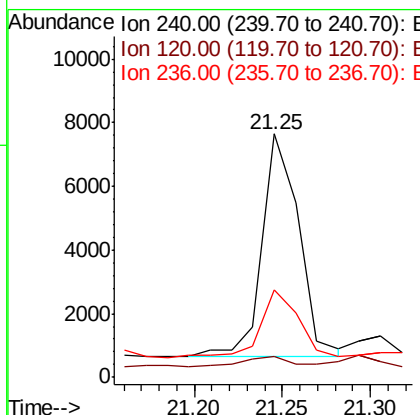
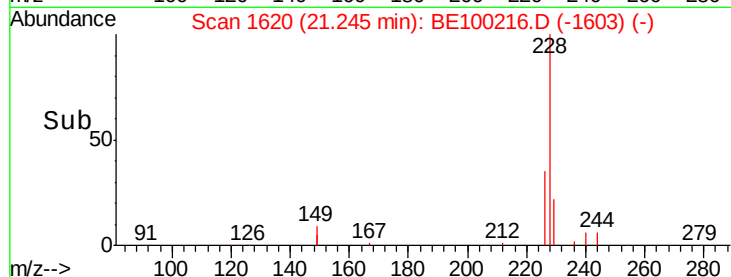
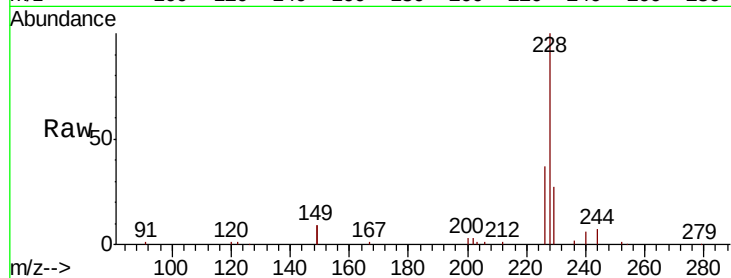
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.4	4.1	6.1#
236	35.9	23.0	34.6#

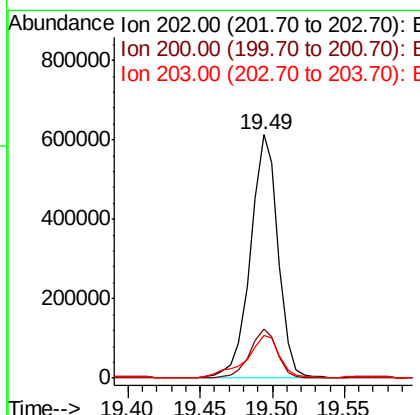
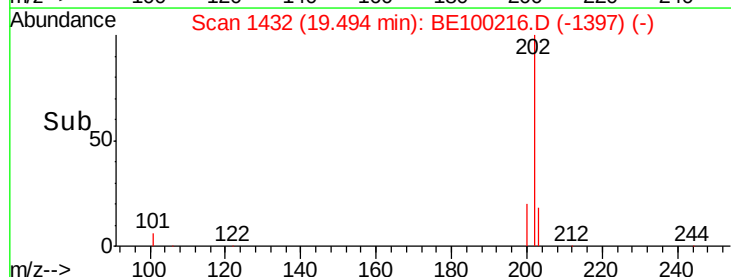
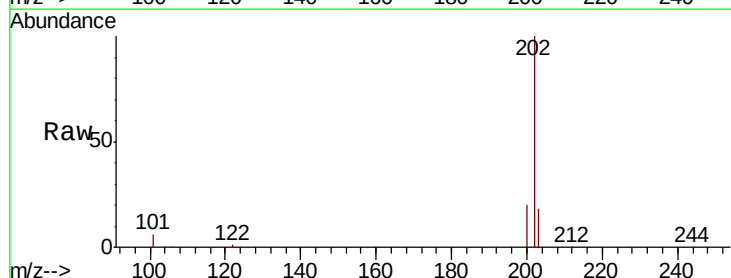
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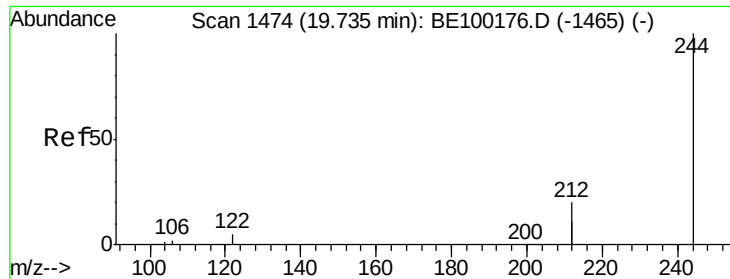
mohammad
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#28
Pyrene
Concen: 31.567 ng
RT: 19.49 min Scan# 1432
Delta R.T. -0.00 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	15.5	23.3
203	21.5	13.9	20.9#





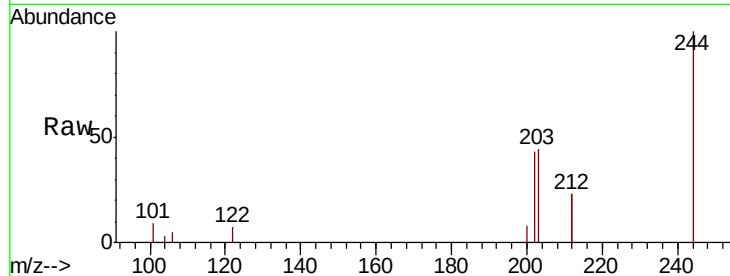
#29
 Terphenyl-d14
 Concen: 0.348 ng
 RT: 19.70 min Scan# 1468
 Delta R.T. -0.01 min
 Lab File: BE100216.D
 Acq: 27 Jun 2019 22:03

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW164-061319

Tot Ion	Ratio	Lower	Upper
244	100		
212	45.7	30.7	46.1
122	7.2	5.8	8.6

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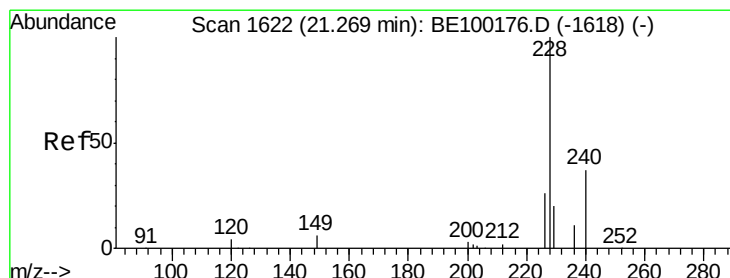
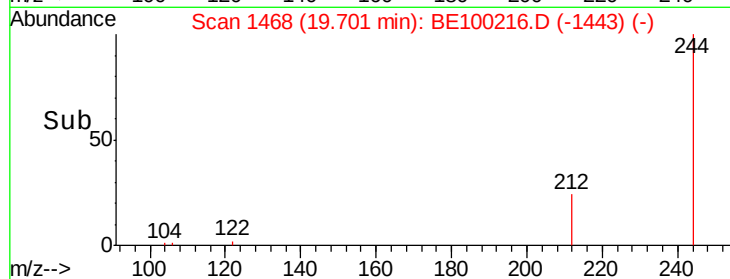
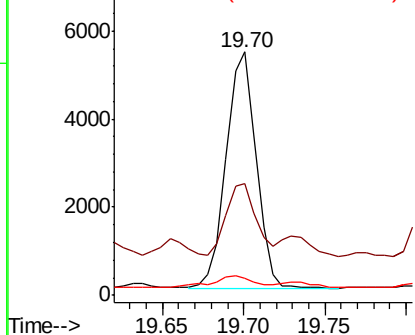


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30
 Benzo(a)anthracene
 Concen: 18.074 ng
 RT: 21.23 min Scan# 1619
 Delta R.T. 0.00 min
 Lab File: BE100216.D
 Acq: 27 Jun 2019 22:03

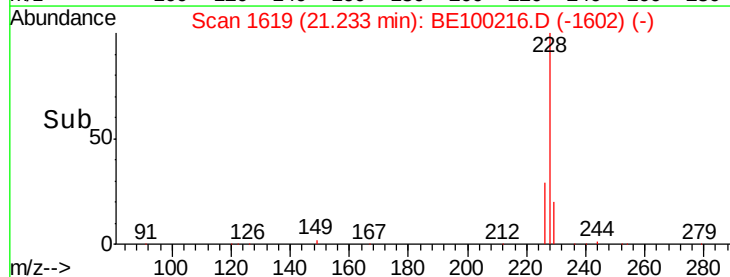
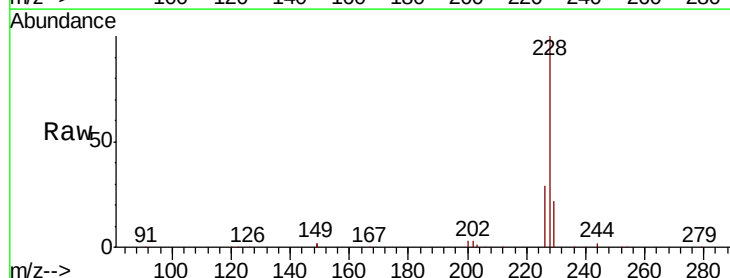
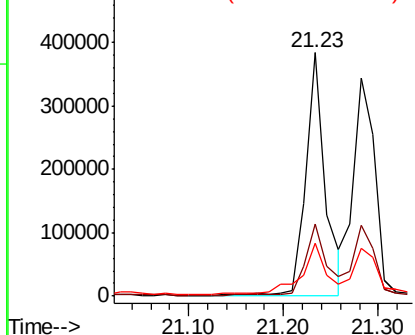
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.5	32.3
229	21.7	17.2	25.8

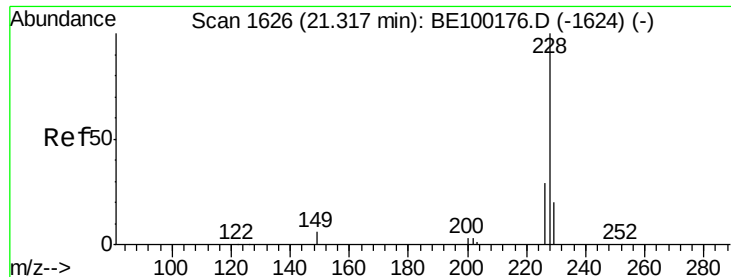
Abundance

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: 15.069 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100216.D

Acq: 27 Jun 2019 22:03

Instrument :

BNA_E

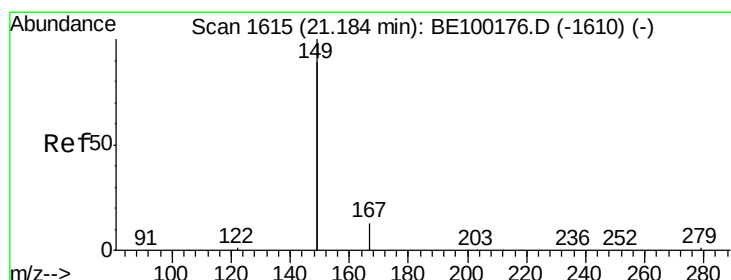
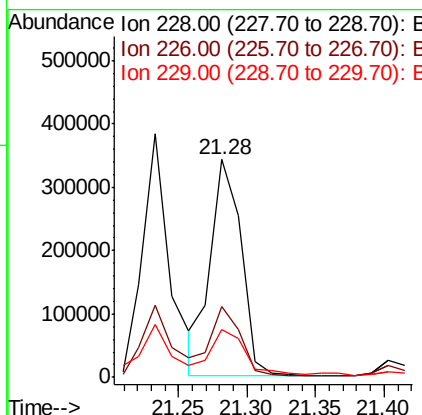
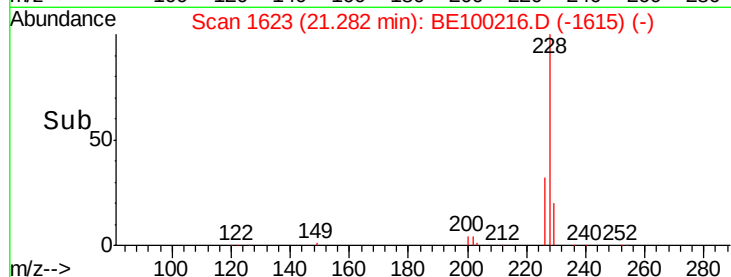
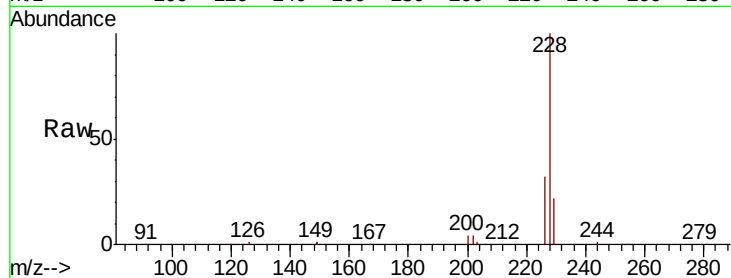
ClientSampleId :

EXT-013-SW164-061319

Tot Ion:	228	Resp:	528221
Ion Ratio	Lower	Upper	
228	100		
226	32.5	23.7	35.5
229	21.9	16.5	24.7

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#32

Bis(2-ethylhexyl)phthalate

Concen: 9.010 ng

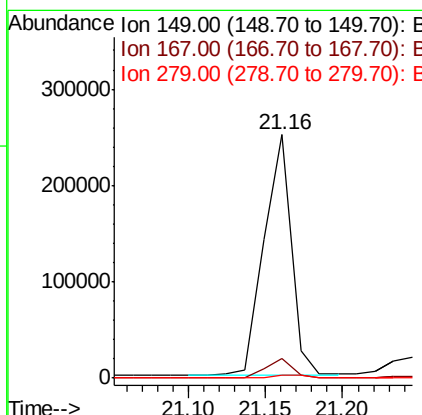
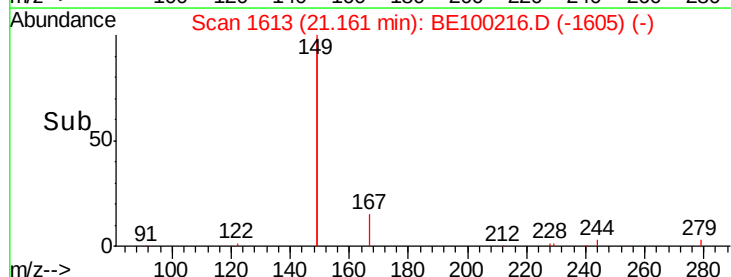
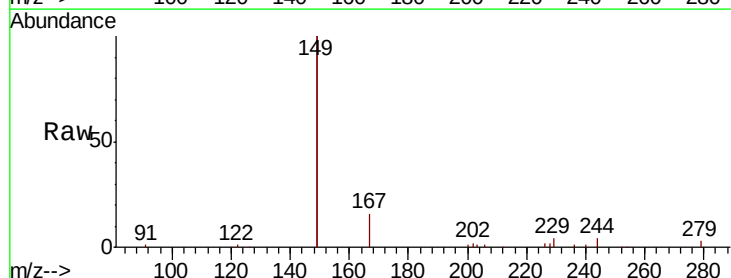
RT: 21.16 min Scan# 1613

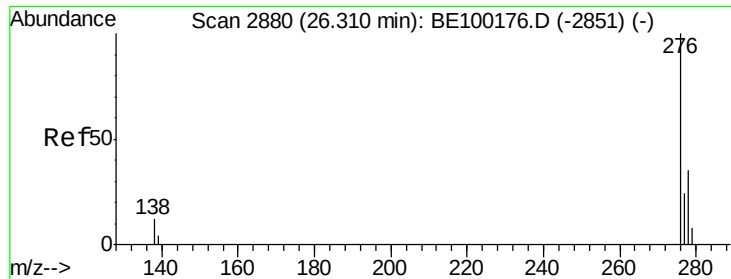
Delta R.T. 0.00 min

Lab File: BE100216.D

Acq: 27 Jun 2019 22:03

Tgt Ion:	149	Resp:	309498
Ion Ratio	Lower	Upper	
149	100		
167	7.4	5.9	8.9
279	1.5	1.0	1.6





#33

Indeno(1,2,3-cd)pyrene

Concen: 7.153 ng

RT: 26.23 min Scan# 2859

Delta R.T. 0.01 min

Lab File: BE100216.D

Acq: 27 Jun 2019 22:03

Instrument :

BNA_E

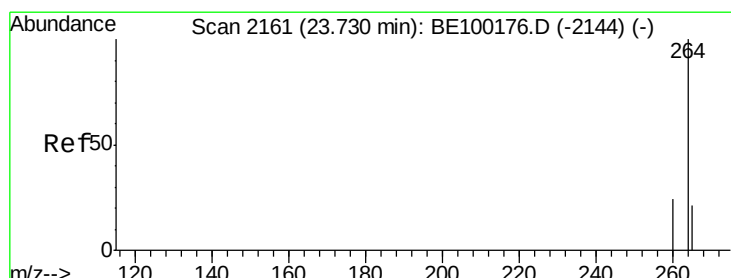
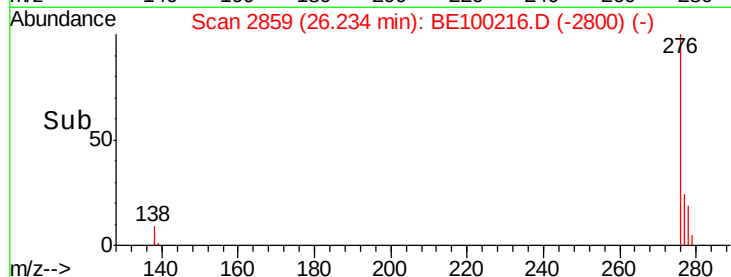
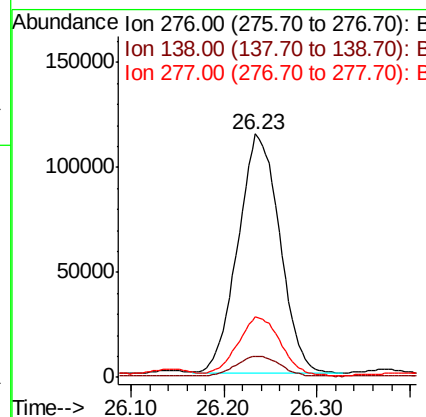
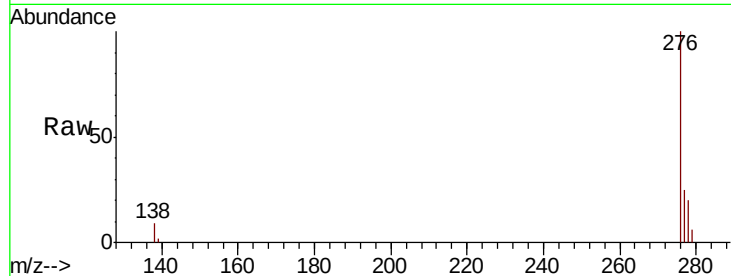
ClientSampleId :

EXT-013-SW164-061319

Tot Ion	Ratio	Lower	Upper
276	100		
138	8.9	3.7	5.5#
277	24.8	18.7	28.1

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#34

Perylene-d12

Concen: 0.400 ng

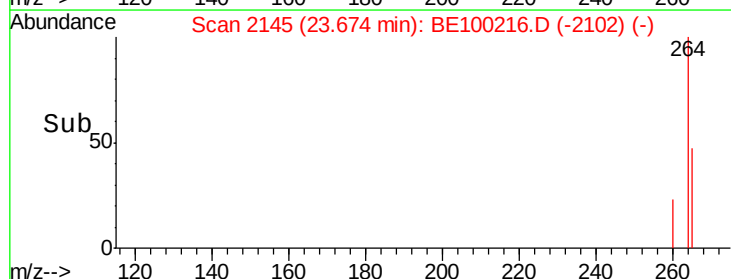
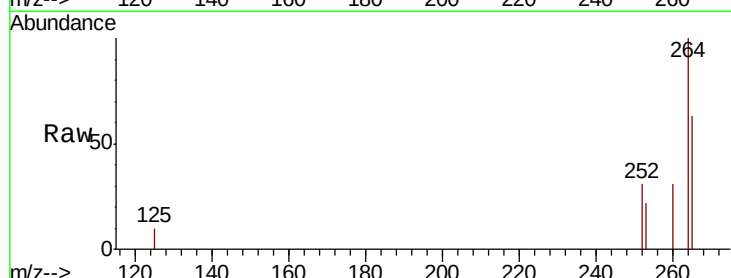
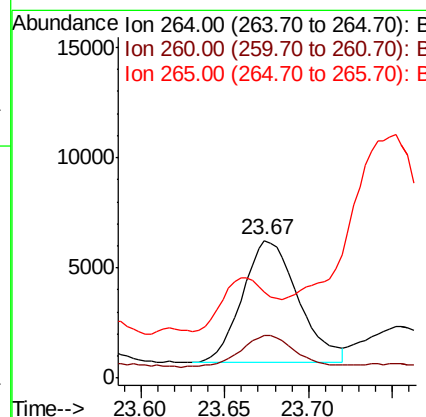
RT: 23.67 min Scan# 2145

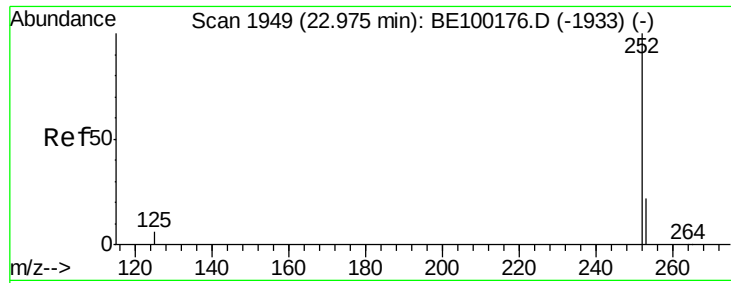
Delta R.T. 0.00 min

Lab File: BE100216.D

Acq: 27 Jun 2019 22:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	31.0	20.4	30.6#
265	62.8	22.5	33.7#





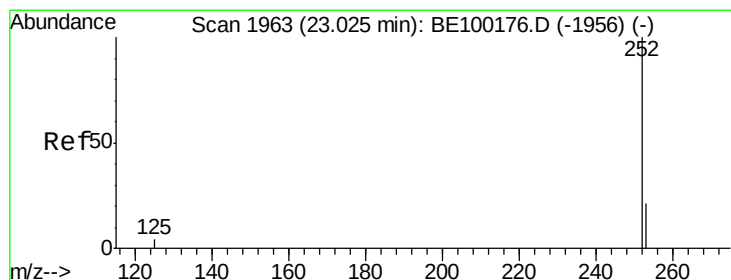
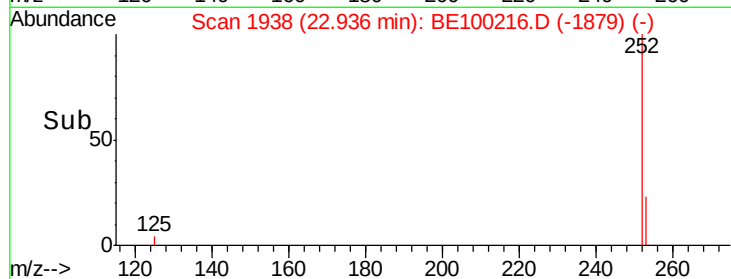
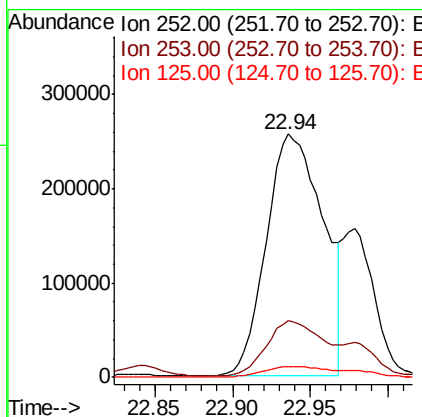
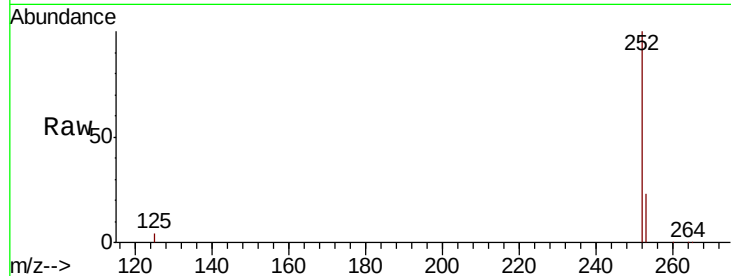
#35
Benzo(b)fluoranthene
Concen: 18.929 ng
RT: 22.94 min Scan# 1938
Delta R.T. 0.01 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.0	28.4
125	4.4	6.3	9.5

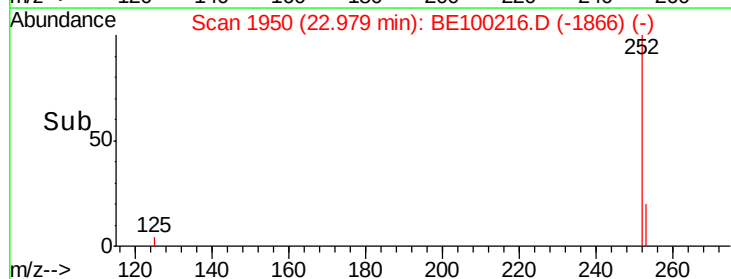
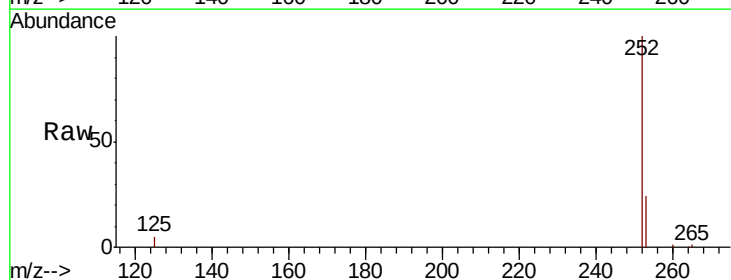
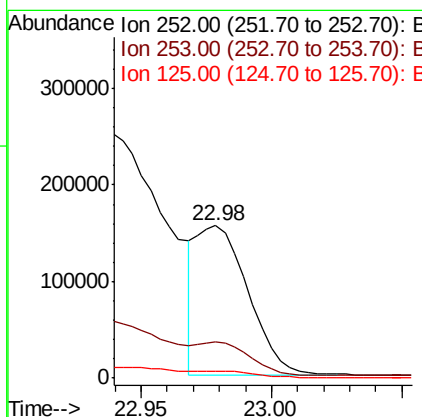
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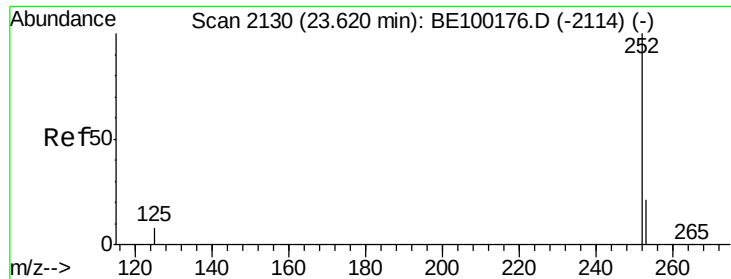
mohammad
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#36
Benzo(k)fluoranthene
Concen: 5.200 ng m
RT: 22.98 min Scan# 1950
Delta R.T. 0.00 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	4.9	5.0	7.4





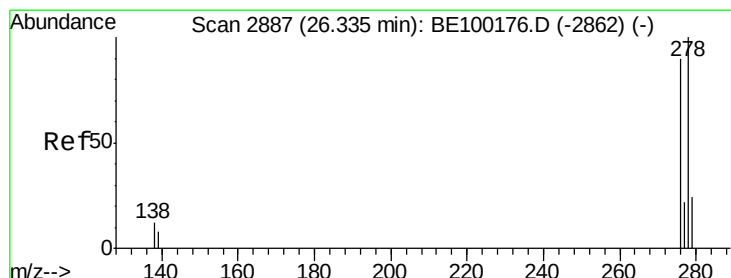
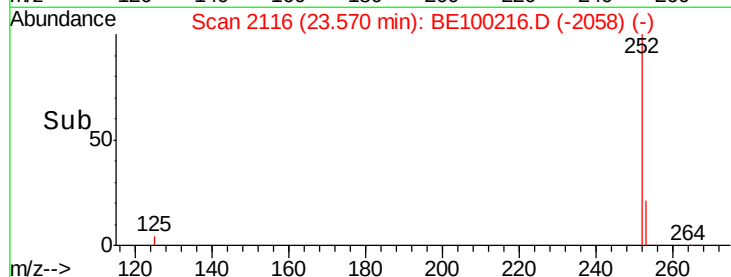
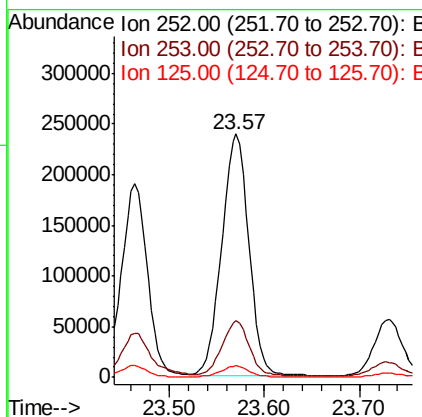
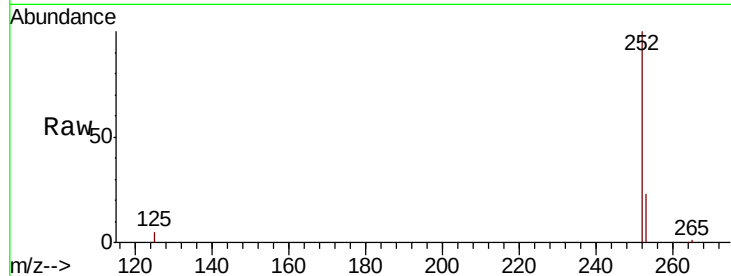
#37
Benzo(a)pyrene
Concen: 13.094 ng
RT: 23.57 min Scan# 2116
Delta R.T. 0.01 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW164-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.2	28.8
125	4.7	8.2	12.2

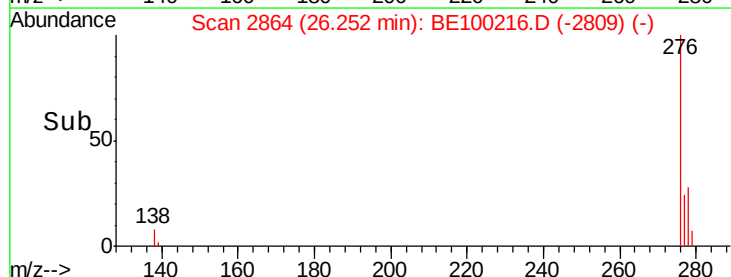
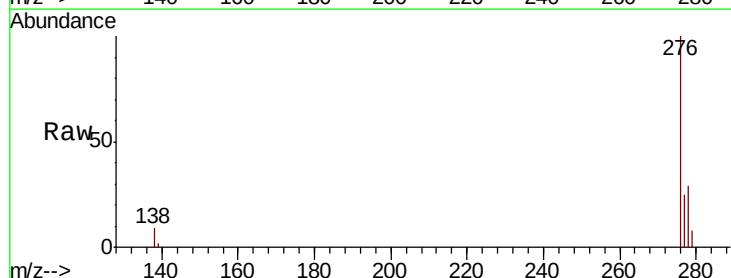
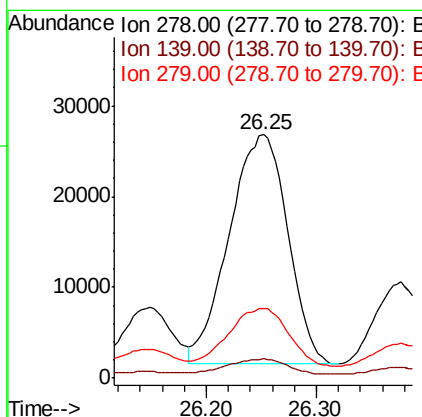
Manual Integrations
APPROVED

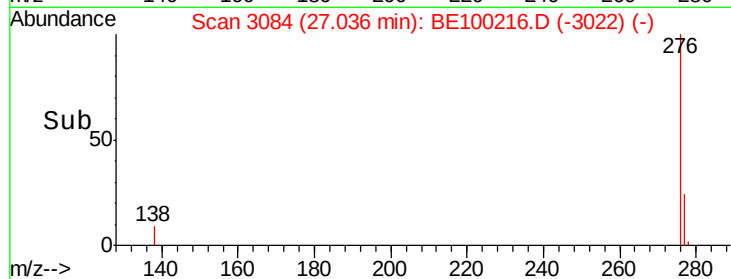
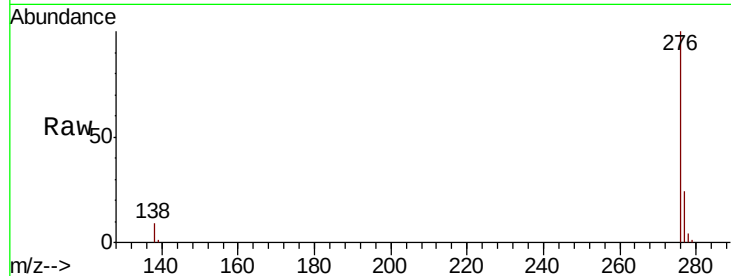
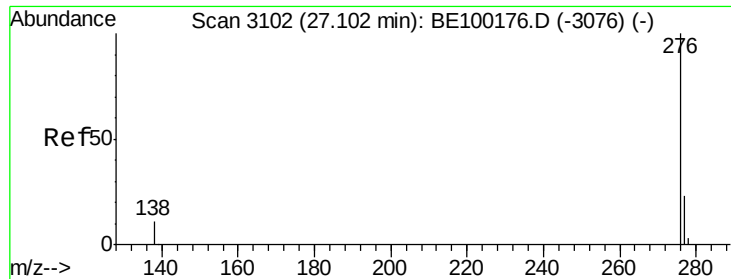
mohammad
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#38
Dibenzo(a,h)anthracene
Concen: 2.440 ng
RT: 26.25 min Scan# 2864
Delta R.T. -0.00 min
Lab File: BE100216.D
Acq: 27 Jun 2019 22:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	7.9	9.0	13.4
279	28.6	21.1	31.7





#39

Benzo(a,h,i)perylene

Concen: 9.199 ng

RT: 27.04 min Scan# 3084

Delta R.T. 0.02 min

Lab File: BE100216.D

Acq: 27 Jun 2019 22:03

Instrument :

BNA_E

ClientSampleId :

EXT-013-SW164-061319

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.8	29.6
138	9.3	10.2	15.4

Manual Integrations
APPROVED

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7/1/2019 8:12:18 AM

