

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100342.D
 Acq On : 3 Jul 2019 23:21
 Operator : JU/SJ
 Sample : K3558-18
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW096-062619

Manual Integrations
 APPROVED

mohammad
 7/5/2019 8:54:40 AM

Quant Time: Jul 04 01:43:59 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	659	0.40	ng	-0.01
7) Naphthalene-d8	10.43	136	2333	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2060	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6108	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8505	0.40	ng	0.00
34) Perylene-d12	23.66	264	9788	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.20	112	431	0.26	ng	-0.01
5) Phenol-d6	6.84	99	520	0.24	ng	0.00
8) Nitrobenzene-d5	8.81	82	468	0.20	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1042	0.24	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	398	0.28	ng	-0.02
15) 2-Fluorobiphenyl	12.93	172	1682	0.21	ng	-0.01
25) Fluoranthene-d10	19.09	212	17456	0.20	ng	0.00
29) Terphenyl-d14	19.69	244	4324	0.25	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	3213	0.125	ng	# 93
12) 2-Methylnaphthalene	12.11	142	833	0.184	ng	# 91
16) Acenaphthylene	14.02	152	3035	0.307	ng	# 96
17) Acenaphthene	14.37	154	1133	0.202	ng	# 92
18) Fluorene	15.35	166	2547	0.307	ng	# 90
23) Phenanthrene	17.09	178	82800	5.593	ng	99
24) Anthracene	17.19	178	5816	0.436	ng	98
26) Fluoranthene	19.12	202	94372	4.002	ng	98
28) Pyrene	19.48	202	155257	6.895	ng	# 96
30) Benzo(a)anthracene	21.22	228	69924	2.500	ng	97
31) Chrysene	21.27	228	83553	2.975	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	7151	0.123	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.22	276	32026	0.862	ng	# 97
35) Benzo(b)fluoranthene	22.92	252	64964	2.448	ng	# 96
36) Benzo(k)fluoranthene	22.96	252	15393m	0.520	ng	
37) Benzo(a)pyrene	23.55	252	51492m	1.936	ng	
38) Dibenzo(a,h)anthracene	26.22	278	9445	0.340	ng	# 88
39) Benzo(a,h,i)perylene	27.00	276	40181	1.408	ng	99

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

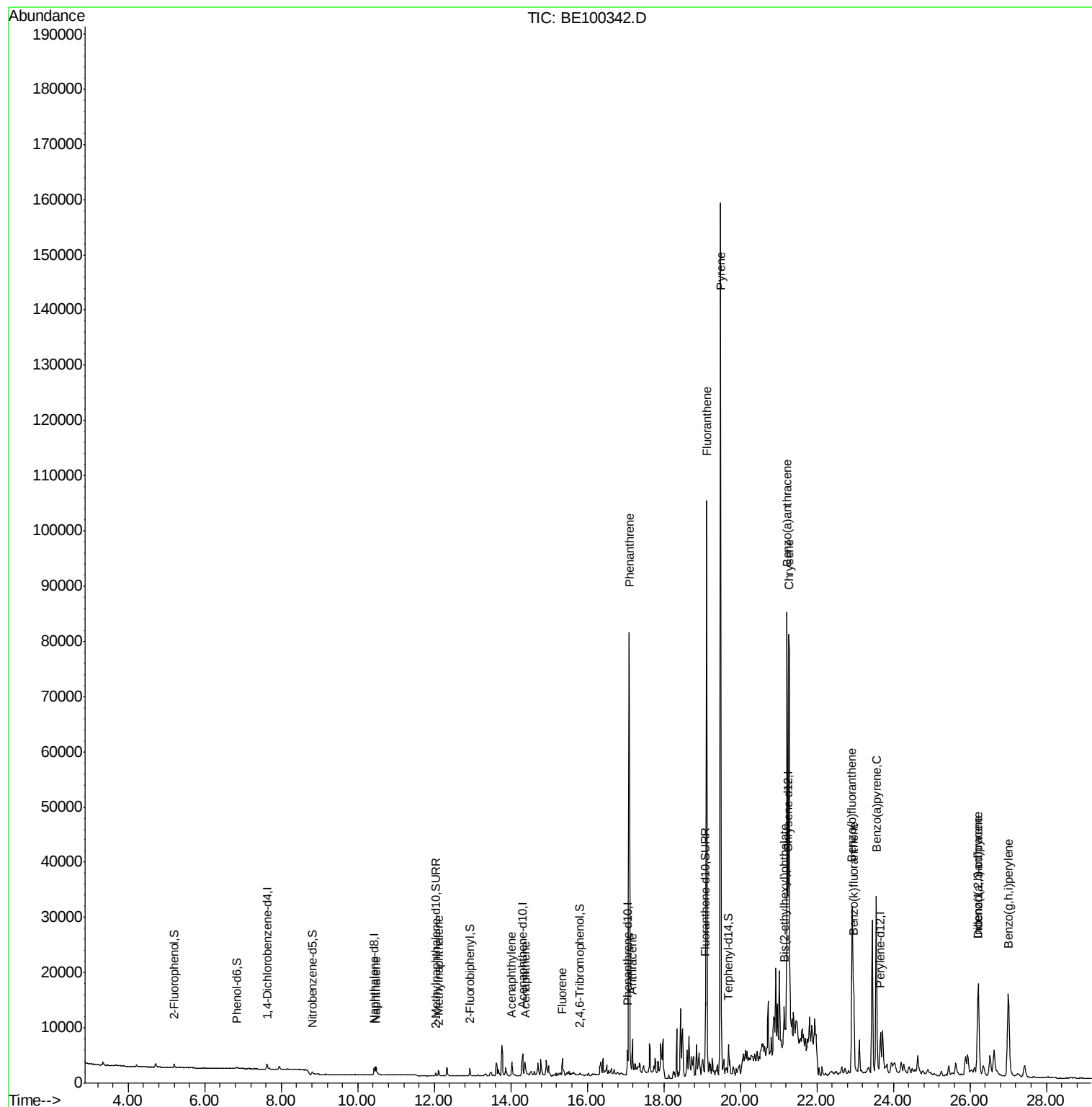
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
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#1

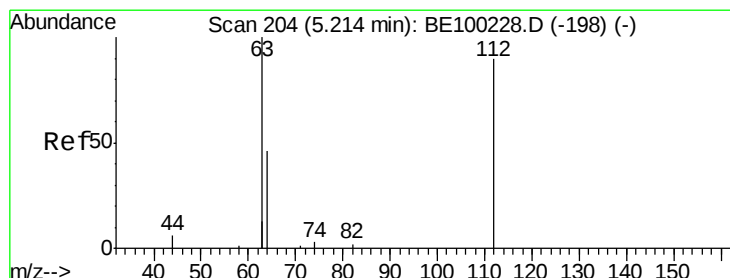
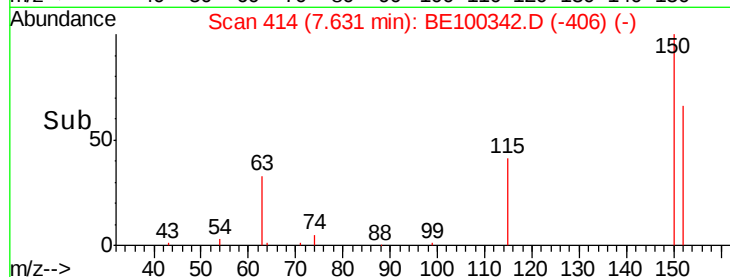
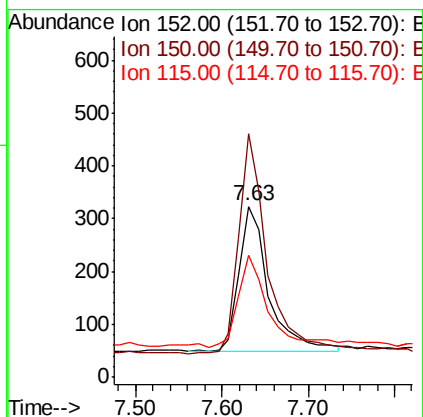
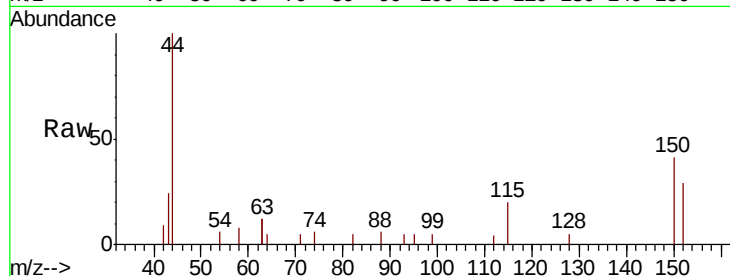
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW096-062619

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.7	114.5	171.7
115	71.2	57.1	85.7

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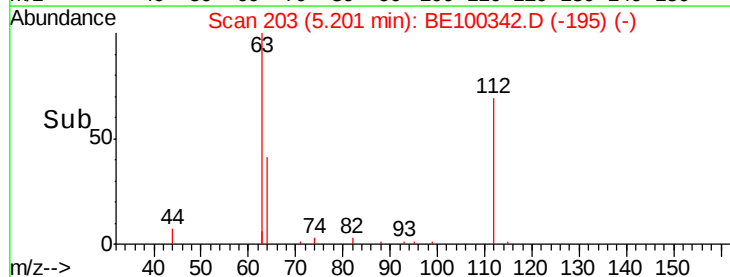
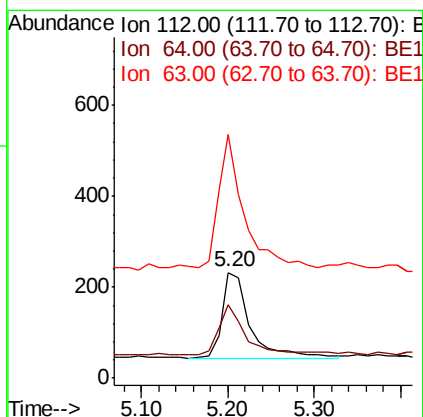
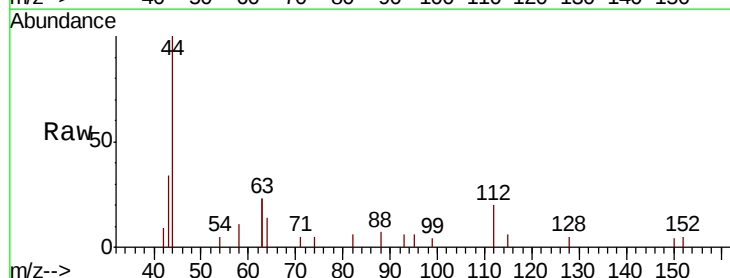
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#4

2-Fluorophenol
Concen: 0.256 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	39.4	59.0
63	140.8	104.5	156.7





#5

Phenol-d6

Concen: 0.235 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Instrument :

BNA_E

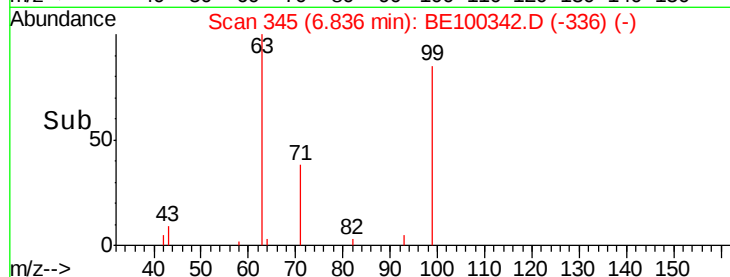
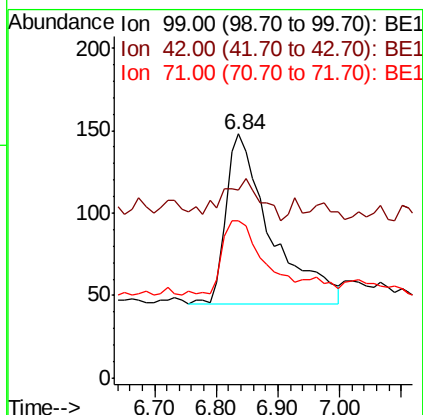
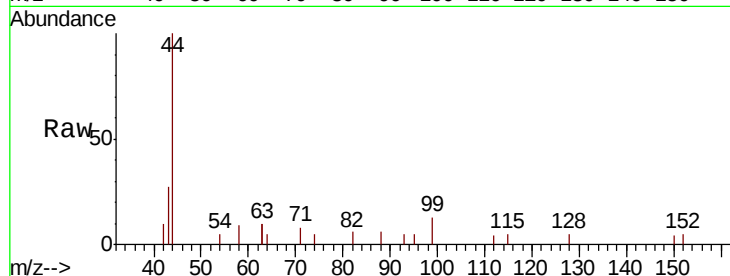
ClientSampleId :

EXT-016-SW096-062619

Tot Ion:	99	Resp:	520
Ion	Ratio	Lower	Upper
99	100		
42	22.5	11.2	16.8#
71	0.0	37.2	55.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

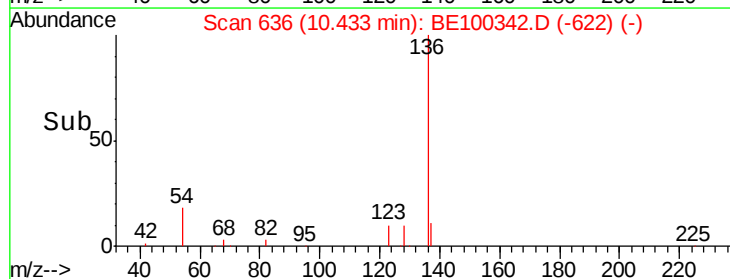
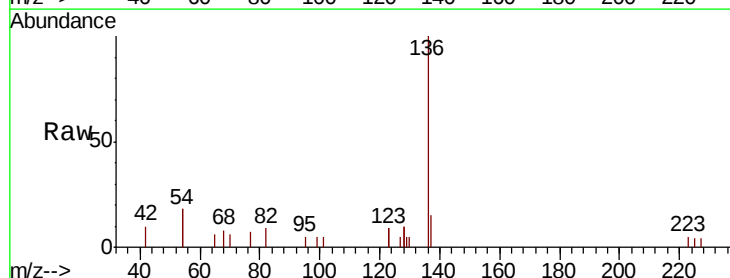
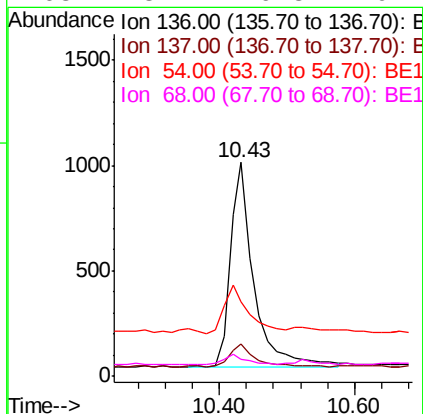
RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Tgt Ion:	136	Resp:	2333
Ion	Ratio	Lower	Upper
136	100		
137	15.0	11.8	17.8
54	35.1	27.7	41.5
68	8.1	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.202 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Instrument :

BNA_E

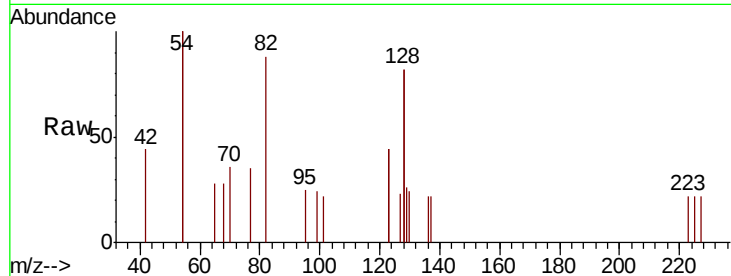
ClientSampleId :

EXT-016-SW096-062619

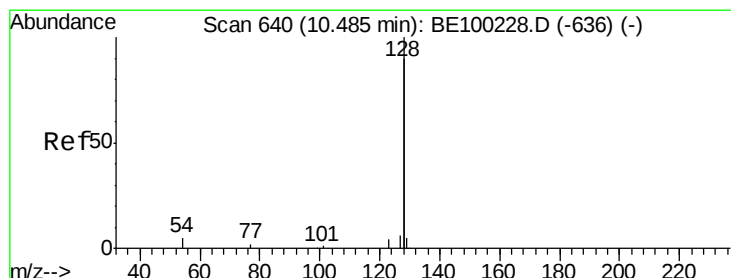
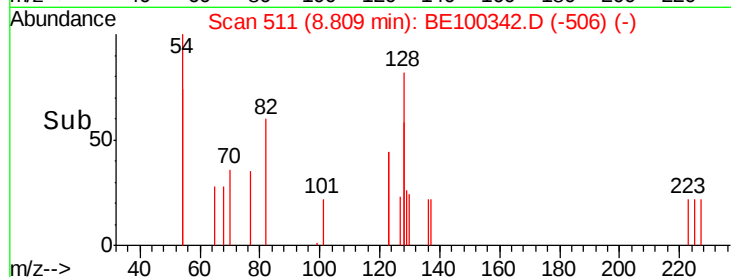
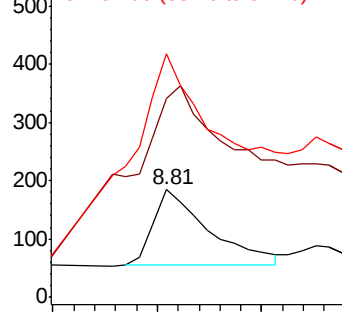
Tot Ion:	82	Resp:	468
Ion	Ratio	Lower	Upper
82	100		
128	185.9	140.9	211.3
54	227.2	146.2	219.2#

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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: 0.125 ng

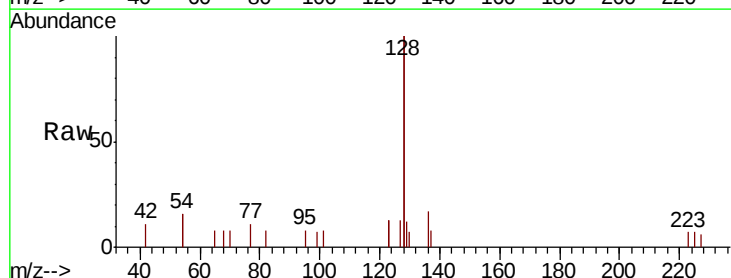
RT: 10.48 min Scan# 640

Delta R.T. 0.00 min

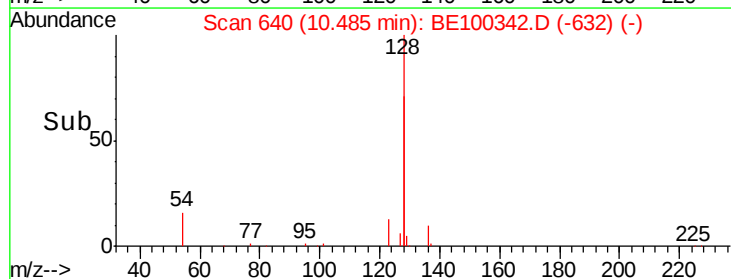
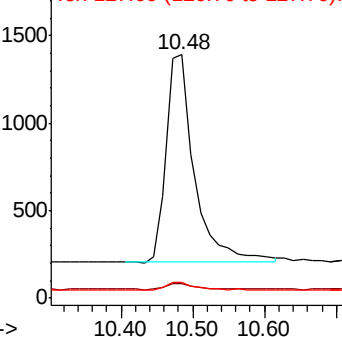
Lab File: BE100342.D

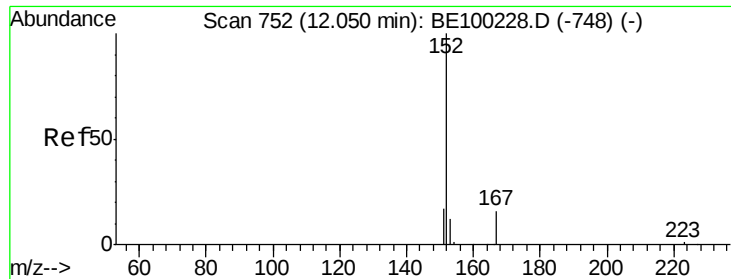
Acq: 3 Jul 2019 23:21

Tgt Ion:	128	Resp:	3213
Ion	Ratio	Lower	Upper
128	100		
129	6.0	3.0	4.6#
127	6.6	3.5	5.3#



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





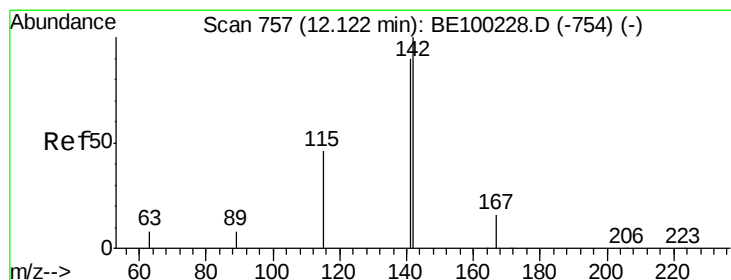
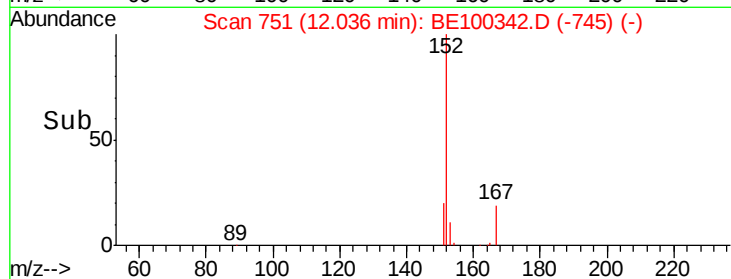
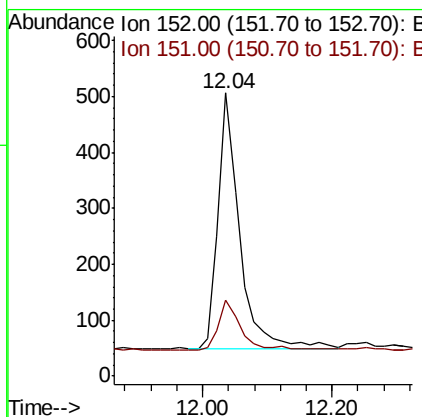
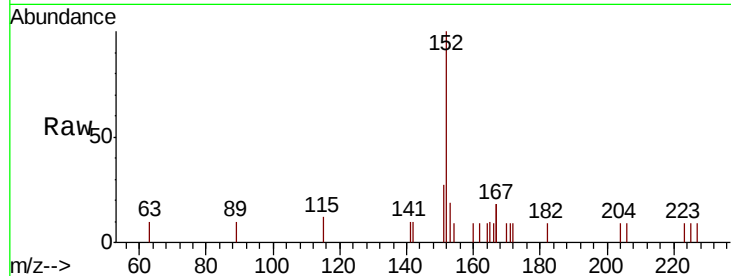
#11
2-Methylnaphthalene-d10
Concen: 0.237 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW096-062619

Tot Ion:152 Resp: 1042
Ion Ratio Lower Upper
152 100
151 21.8 15.1 22.7

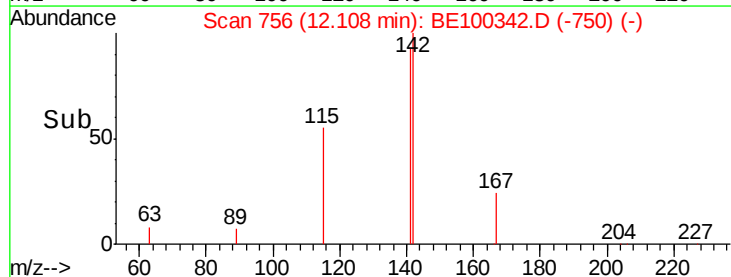
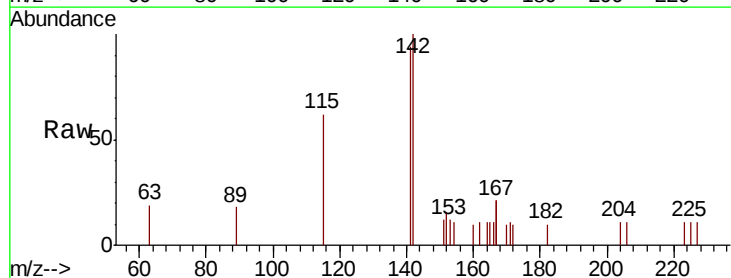
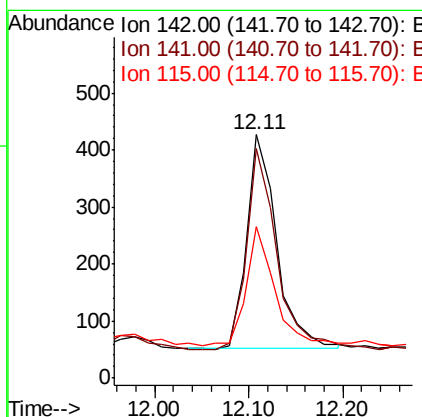
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#12
2-Methylnaphthalene
Concen: 0.184 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Tgt Ion:142 Resp: 833
Ion Ratio Lower Upper
142 100
141 94.4 72.4 108.6
115 62.3 40.4 60.6#





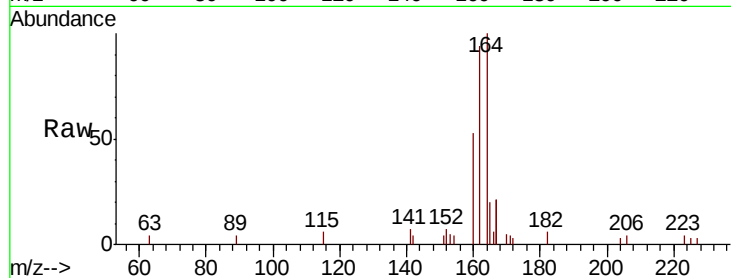
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW096-062619

Tot Ion	Ratio	Lower	Upper
164	100		
162	93.9	83.4	125.0
160	52.5	45.0	67.6

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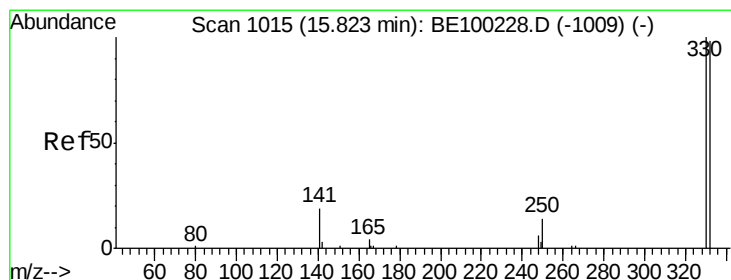
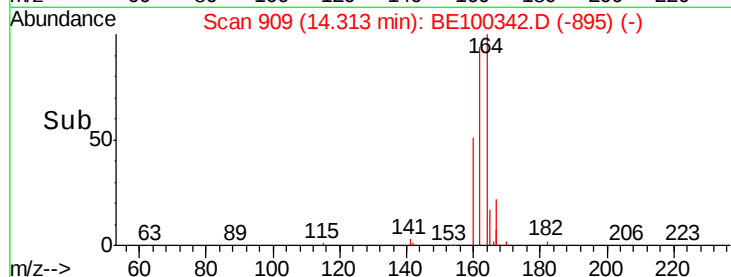
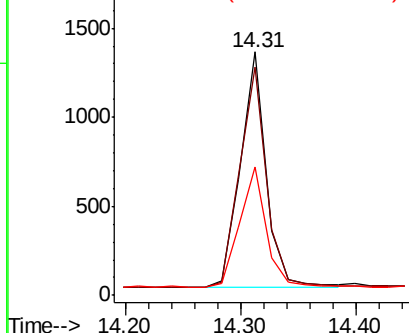


Abundance

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: 0.276 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

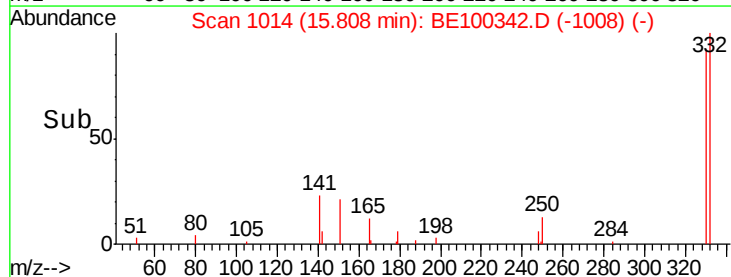
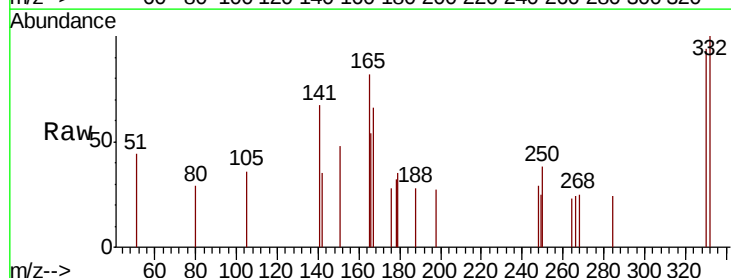
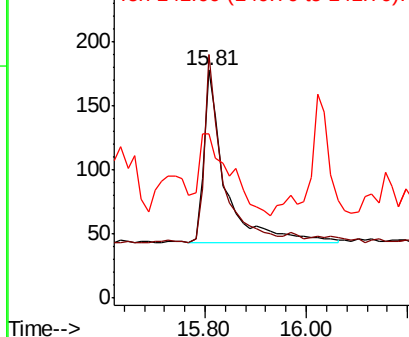
Tgt Ion	Ratio	Lower	Upper
330	100		
332	90.5	77.0	115.4
141	68.6	22.0	33.0#

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





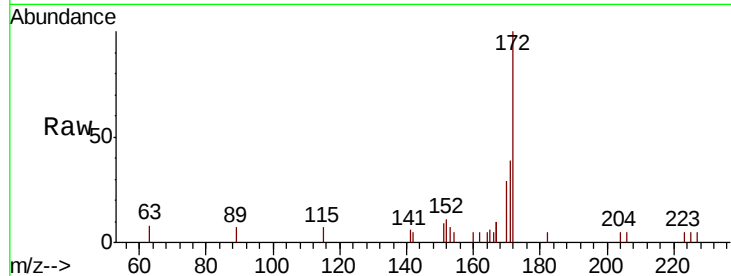
#15
2-Fluorobiphenyl
Concen: 0.210 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW096-062619

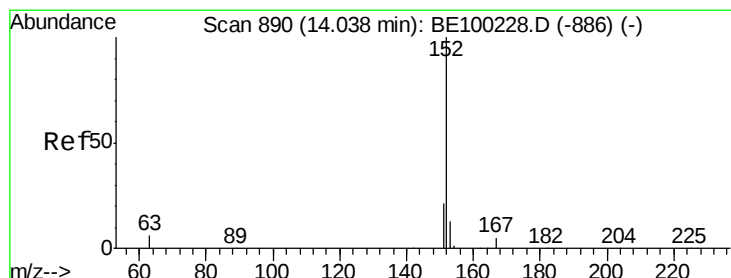
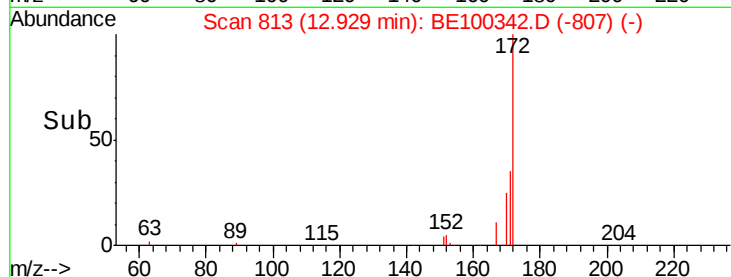
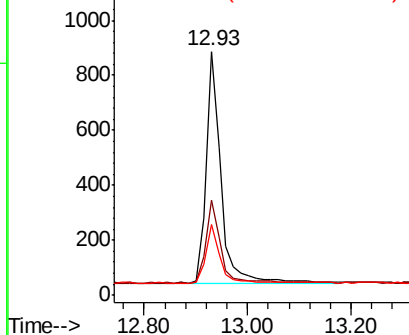
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.8	31.9	47.9
170	28.8	22.2	33.2

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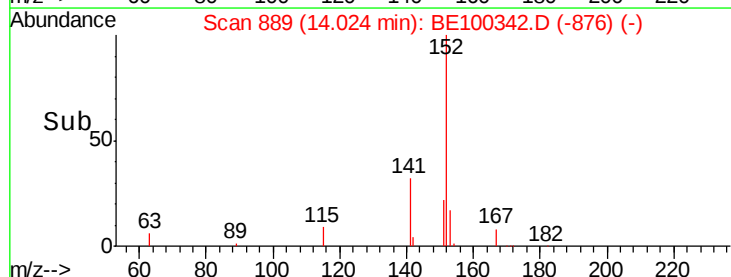
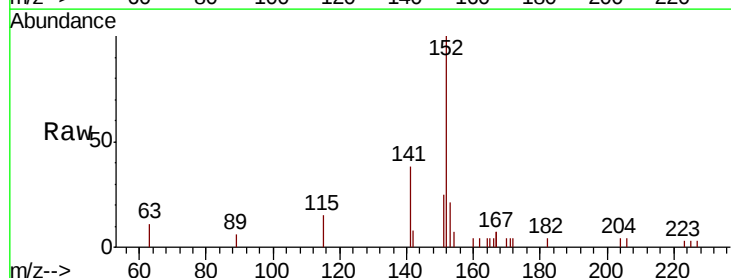
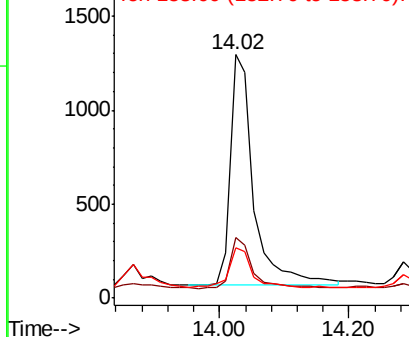
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

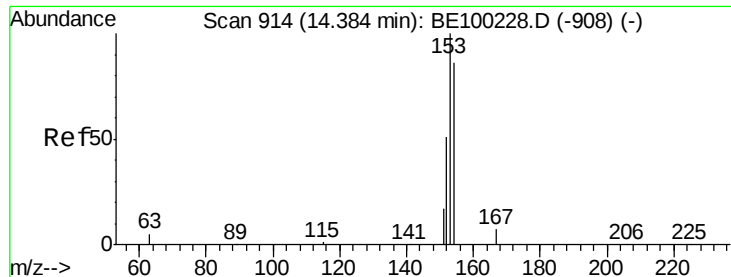


#16
Acenaphthylene
Concen: 0.307 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.6	25.0
153	16.7	10.5	15.7#

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





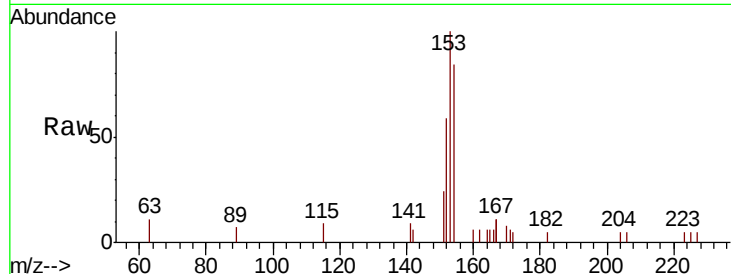
#17
Acenaphthene
Concen: 0.202 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.01 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW096-062619

Tot Ion	Ratio	Lower	Upper
154	100		
153	119.9	93.4	140.2
152	74.4	49.4	74.2#

Manual Integrations
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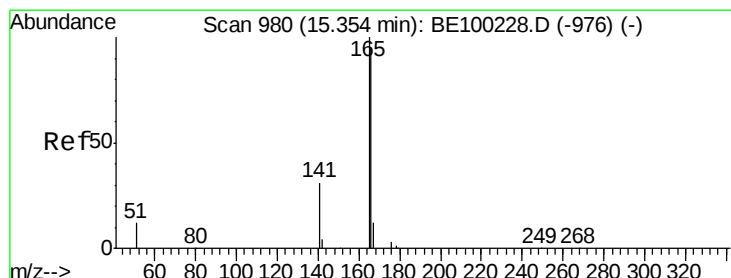
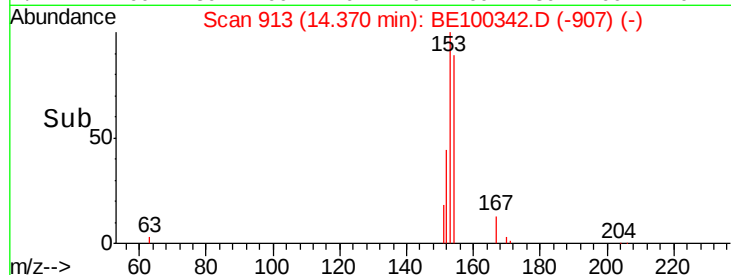
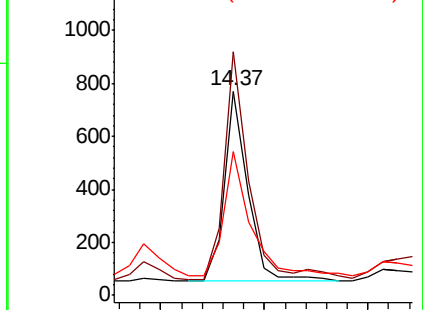


Abundance

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: 0.307 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

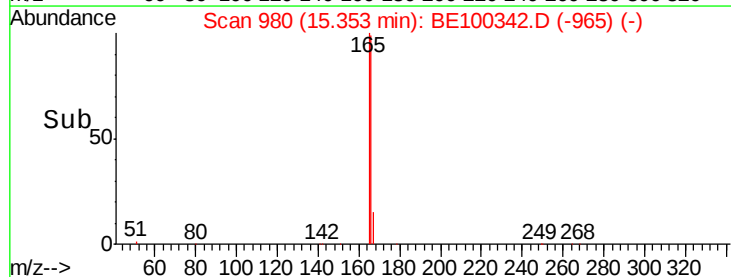
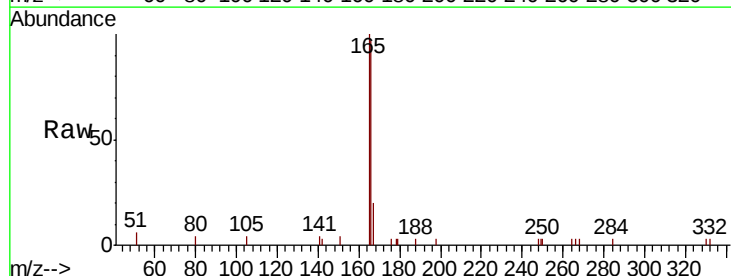
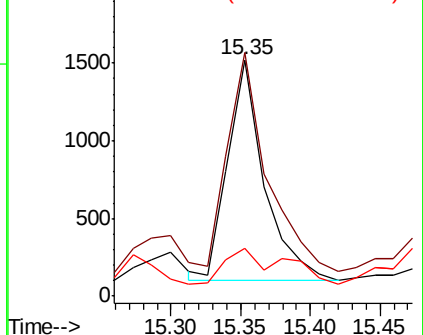
Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.6	81.1	121.7
167	27.2	10.7	16.1#

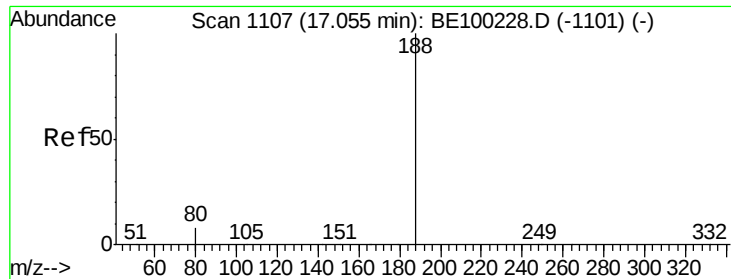
Abundance

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





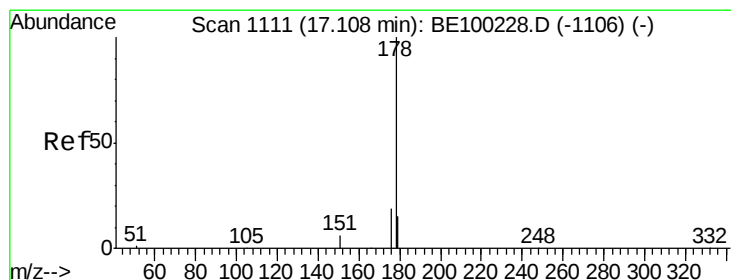
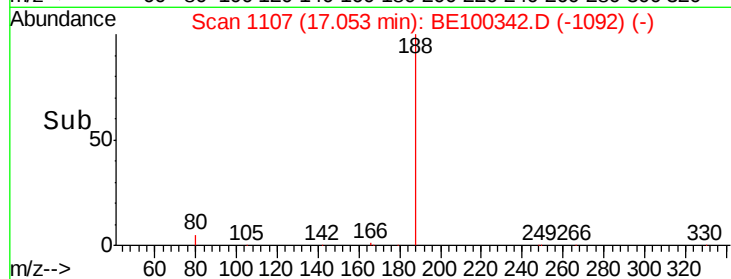
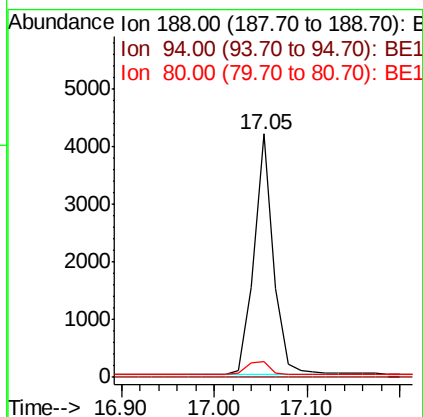
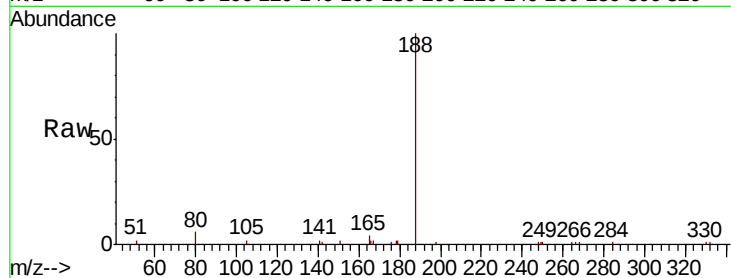
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW096-062619

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.3	7.6	11.4#

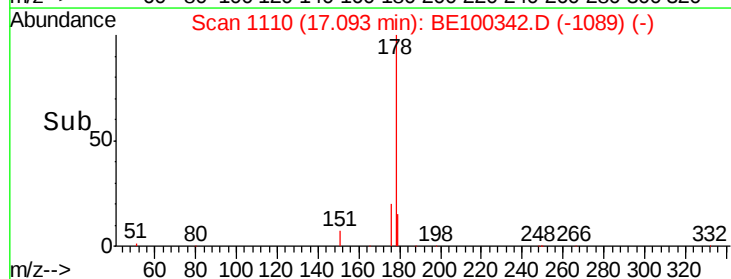
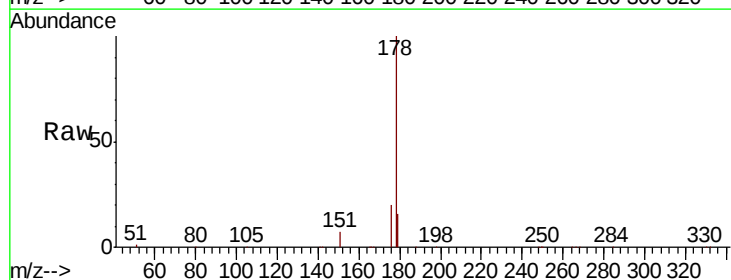
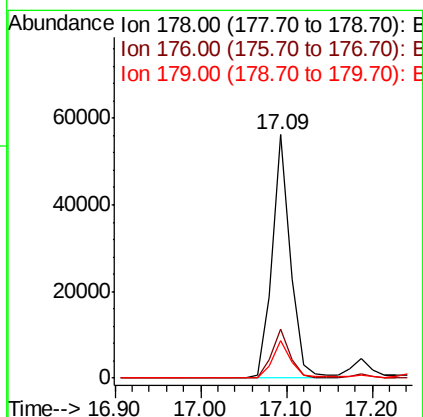
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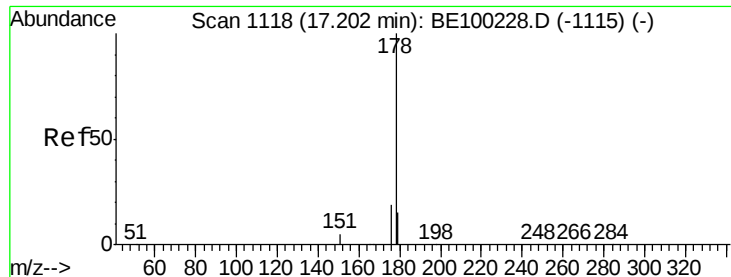
mohammad
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#23
Phenanthrene
Concen: 5.593 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.02 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	15.8	12.2	18.2





#24

Anthracene

Concen: 0.436 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.02 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Instrument :

BNA_E

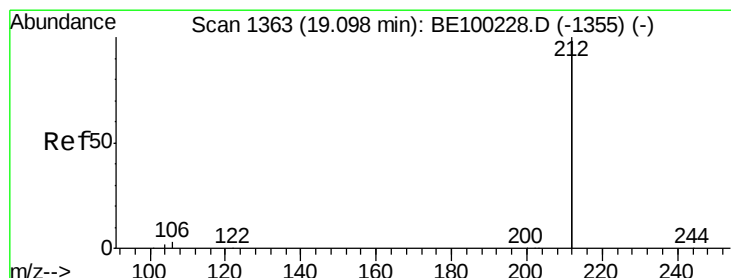
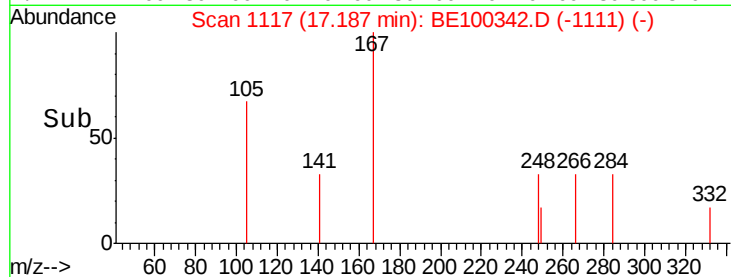
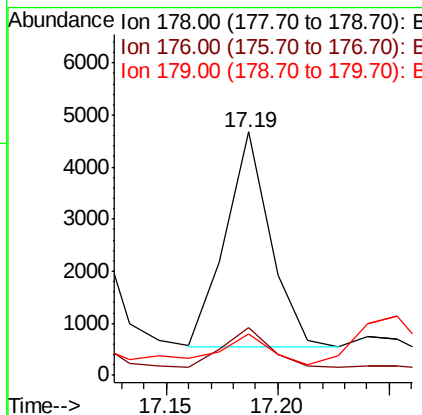
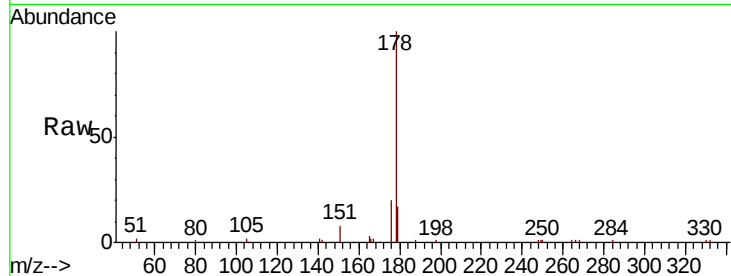
ClientSampleId :

EXT-016-SW096-062619

Tot Ion:	178	Resp:	5816
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.3	22.9
179	14.0	12.2	18.2

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#25

Fluoranthene-d10

Concen: 0.197 ng

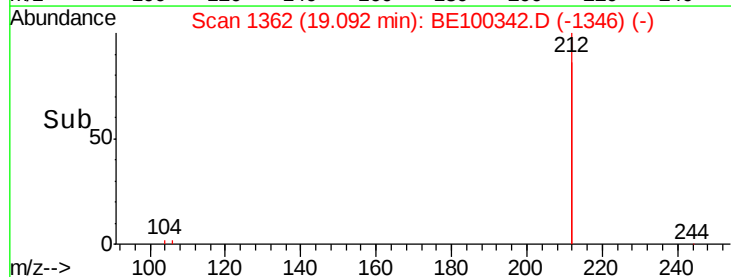
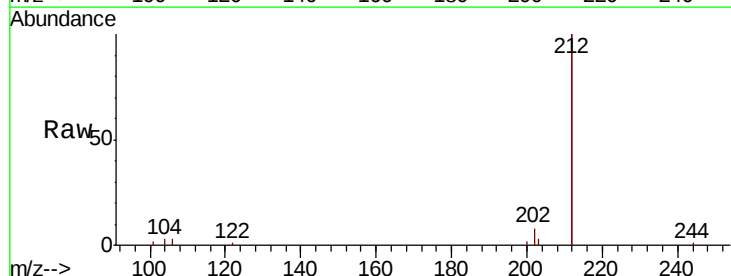
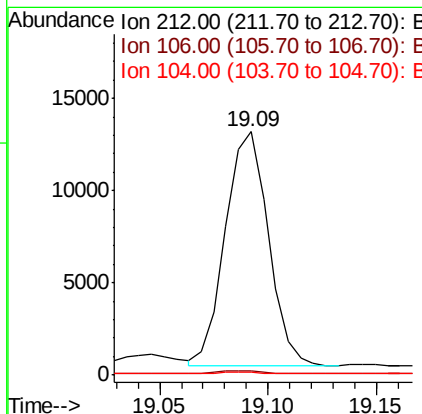
RT: 19.09 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Tgt Ion:	212	Resp:	17456
Ion Ratio	Lower	Upper	
212	100		
106	1.6	1.3	1.9
104	1.1	0.8	1.2





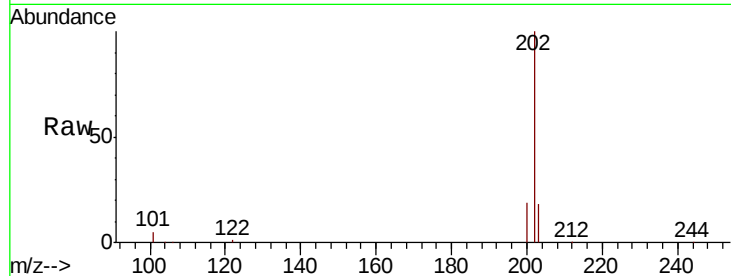
#26
Fluoranthene
Concen: 4.002 ng
RT: 19.12 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW096-062619

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.5	4.6	7.0
203	18.1	13.7	20.5

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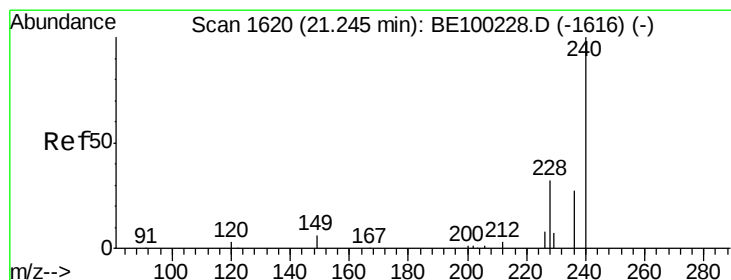
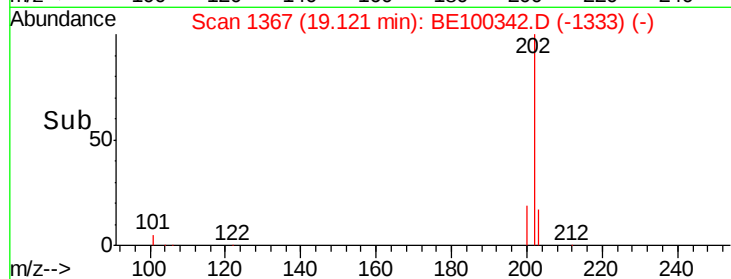
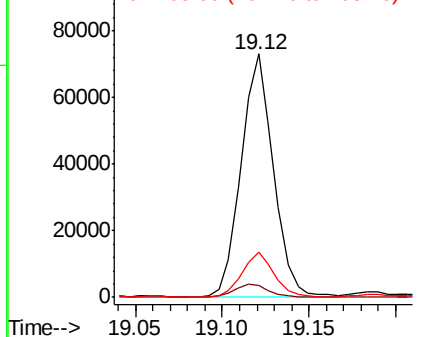


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

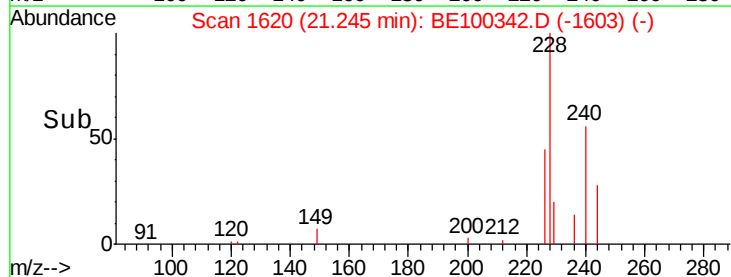
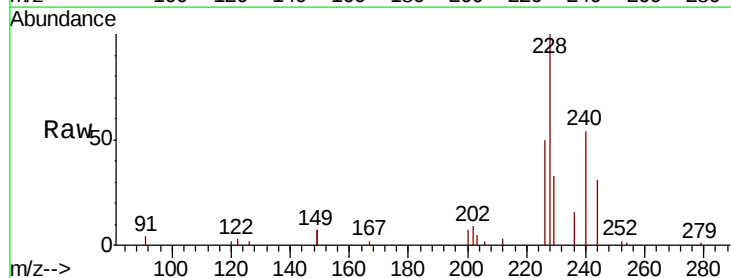
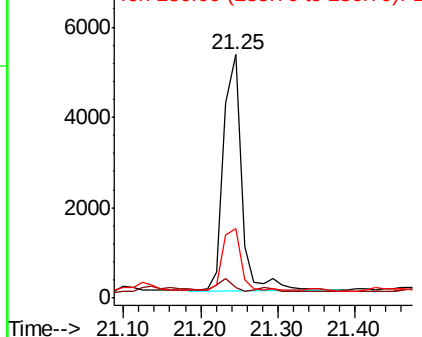
Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.5	3.3	4.9
236	28.8	22.6	34.0

Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





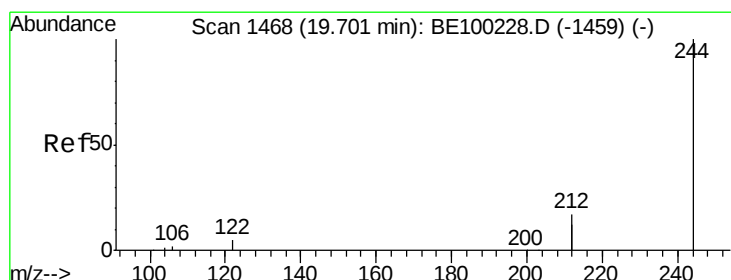
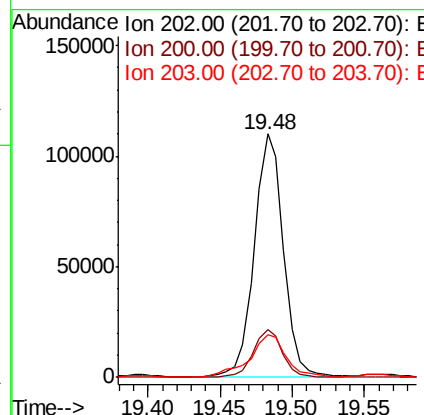
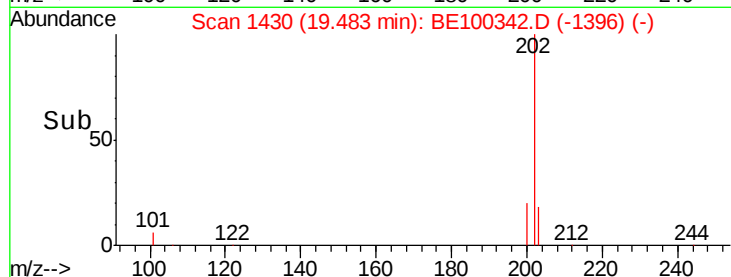
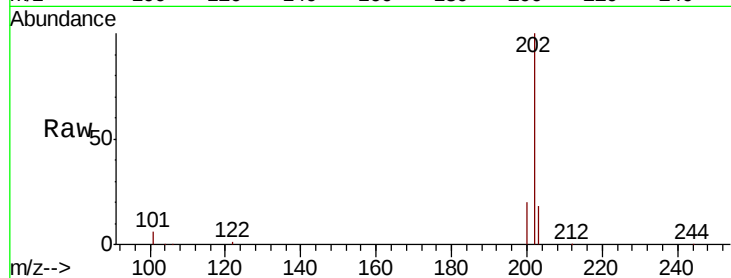
#28
Pvrene
Concen: 6.895 ng
RT: 19.48 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW096-062619

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.7	15.6	23.4
203	21.3	14.0	21.0#

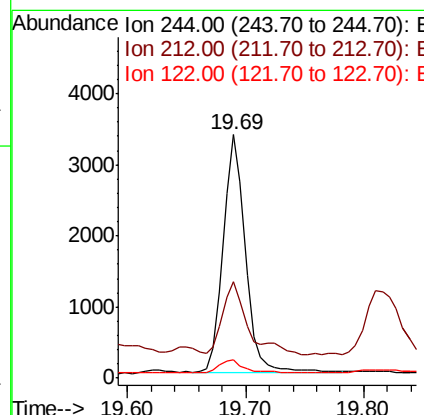
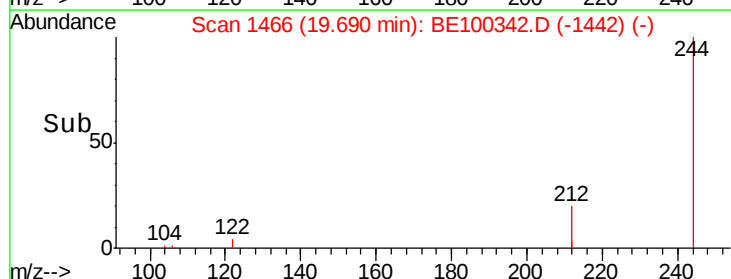
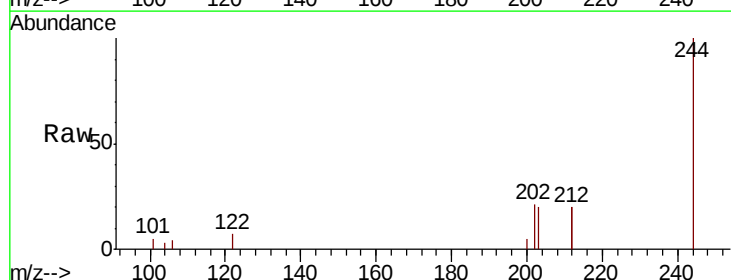
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#29
Terphenyl-d14
Concen: 0.245 ng
RT: 19.69 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	39.6	27.3	40.9
122	7.3	4.7	7.1#





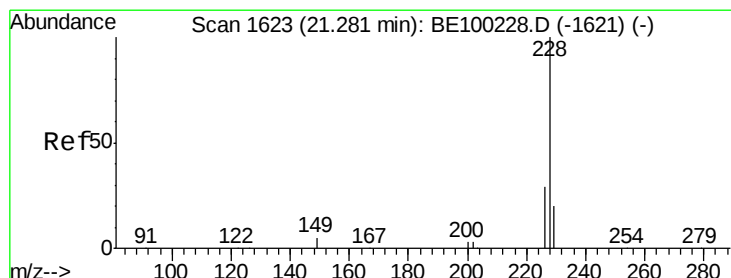
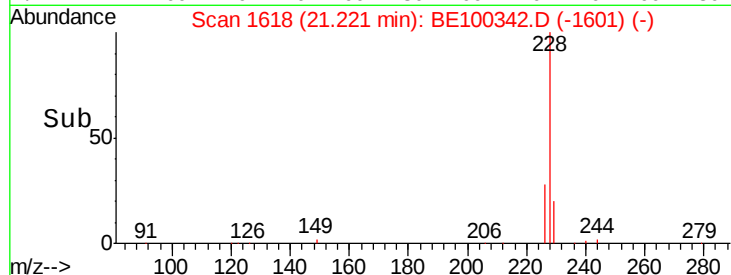
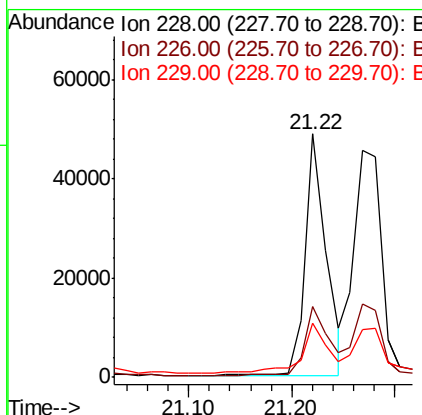
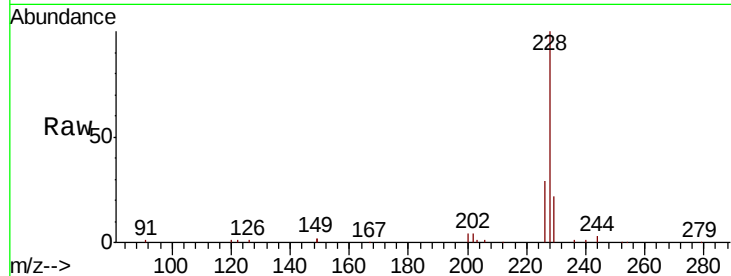
#30
Benzo(a)anthracene
Concen: 2.500 ng
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW096-062619

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.2	34.8
229	22.5	15.7	23.5

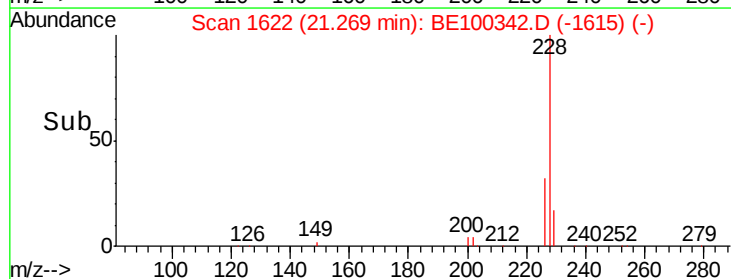
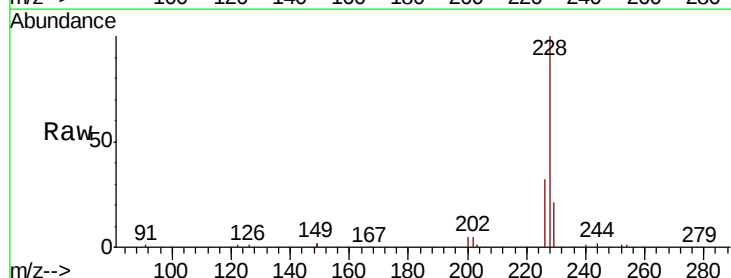
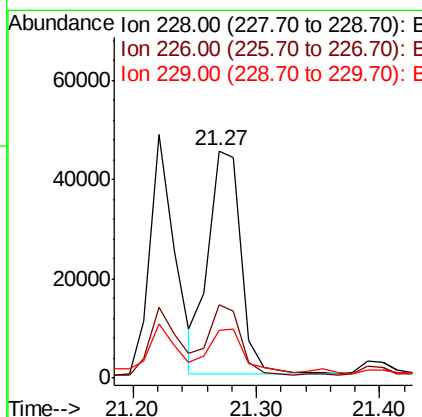
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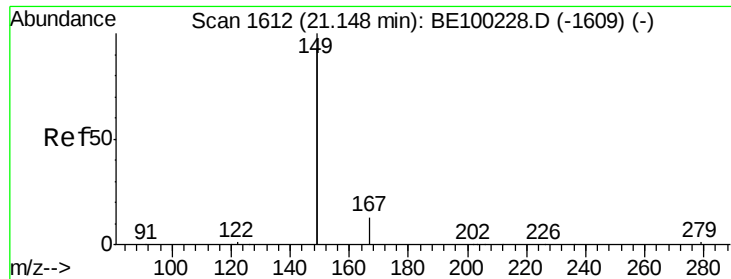
mohammad
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#31
Chrysene
Concen: 2.975 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	23.9	35.9
229	21.3	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.123 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Instrument :

BNA_E

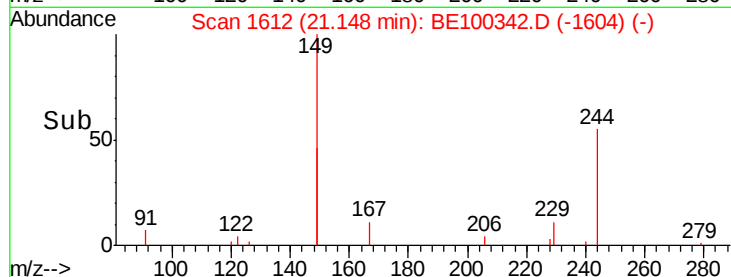
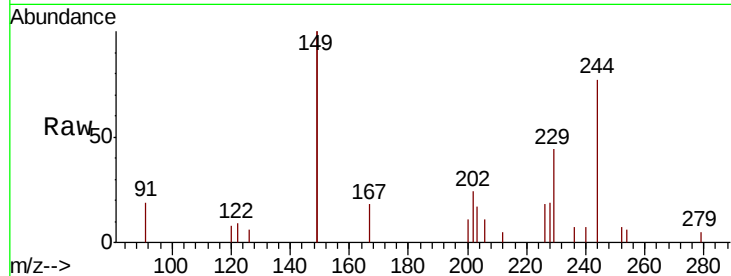
ClientSampleId :

EXT-016-SW096-062619

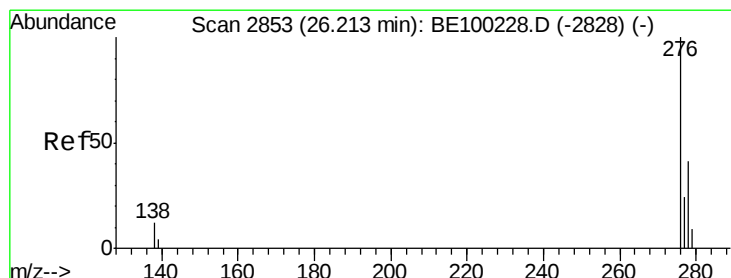
Tot Ion:	149	Resp:	7151
Ion Ratio	Lower	Upper	
149	100		
167	7.1	5.8	8.8
279	1.1	1.1	1.7#

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Time-->



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.862 ng

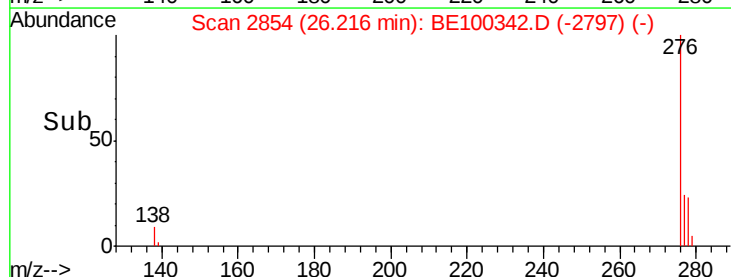
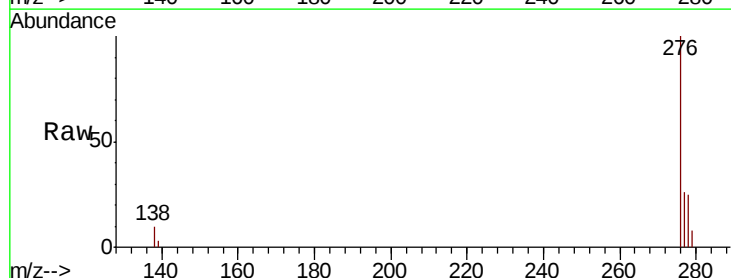
RT: 26.22 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE100342.D

Acq: 3 Jul 2019 23:21

Tgt Ion:	276	Resp:	32026
Ion Ratio	Lower	Upper	
276	100		
138	9.3	9.4	14.0#
277	24.4	19.2	28.8





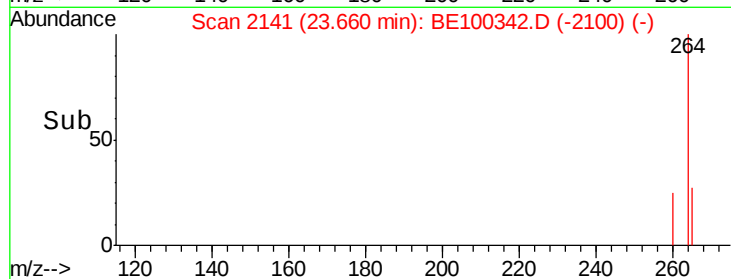
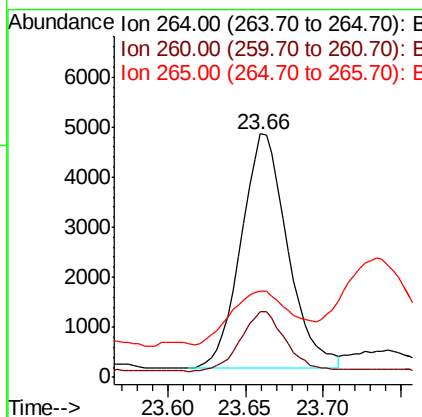
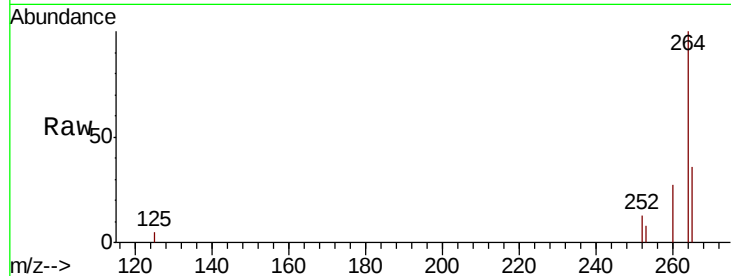
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.66 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: BE100342.D
 Acq: 3 Jul 2019 23:21

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW096-062619

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.9	20.8	31.2
265	35.6	21.8	32.6

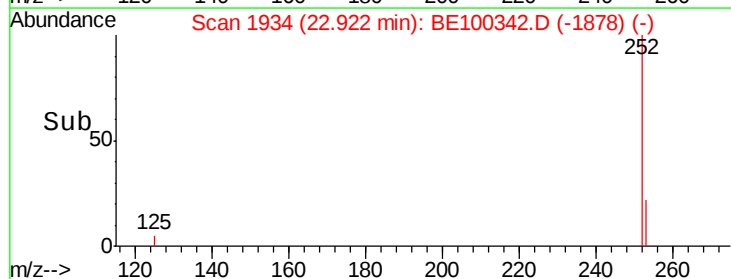
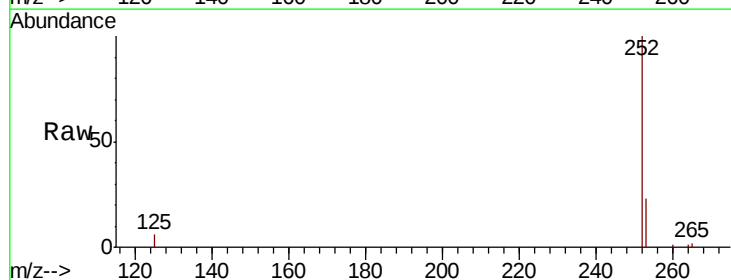
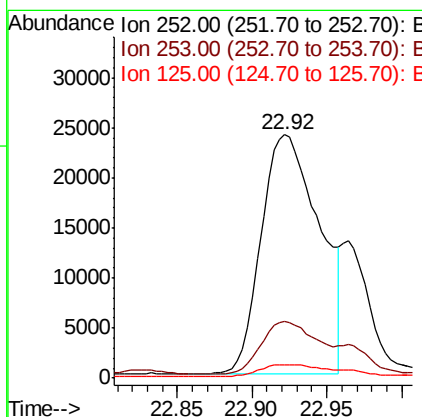
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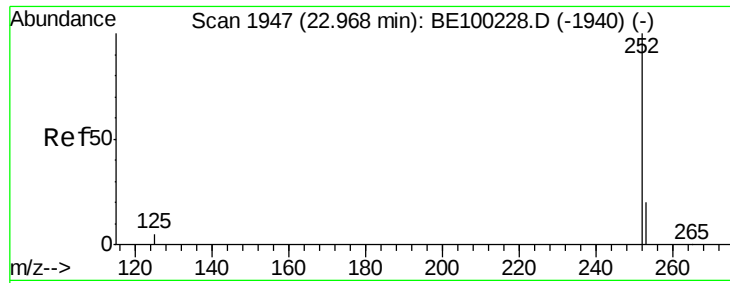
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#35
 Benzo(b)fluoranthene
 Concen: 2.448 ng
 RT: 22.92 min Scan# 1934
 Delta R.T. 0.00 min
 Lab File: BE100342.D
 Acq: 3 Jul 2019 23:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.2	28.8
125	5.6	7.4	11.0





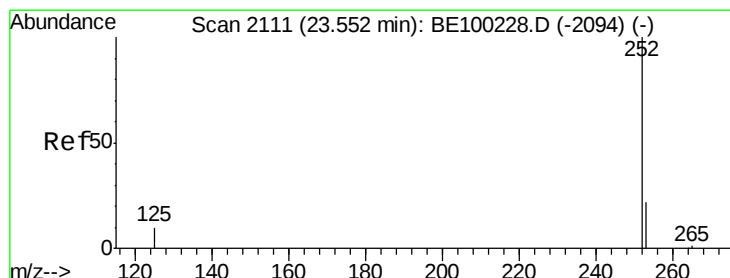
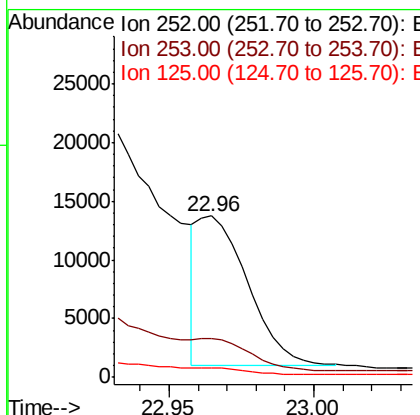
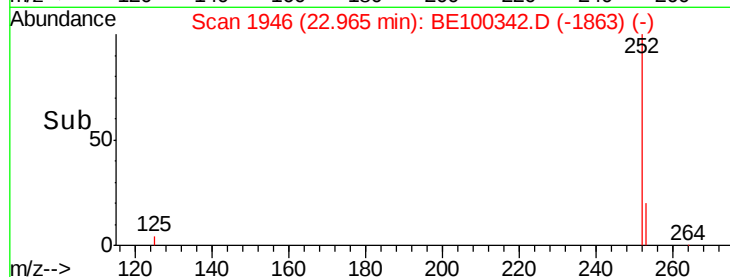
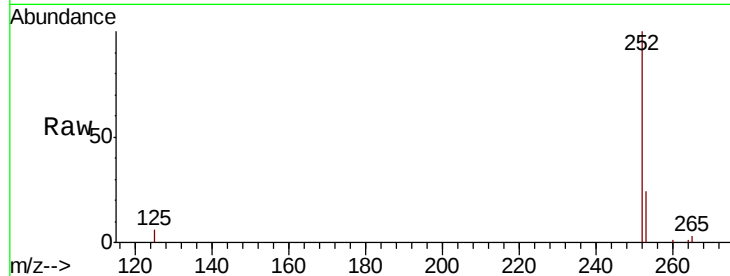
#36
Benzo(k)fluoranthene
Concen: 0.520 ng m
RT: 22.96 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW096-062619

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	5.8	5.0	7.4

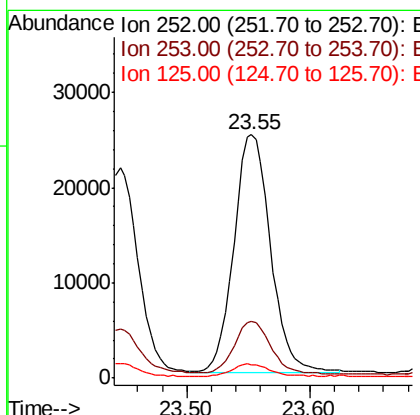
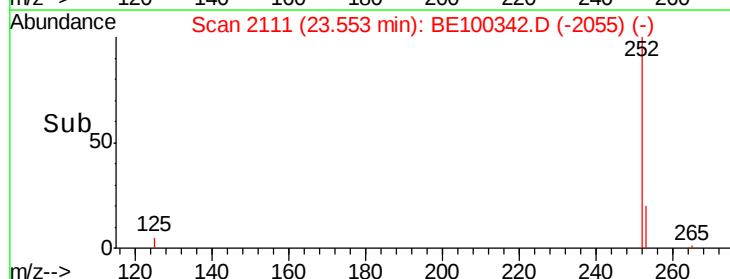
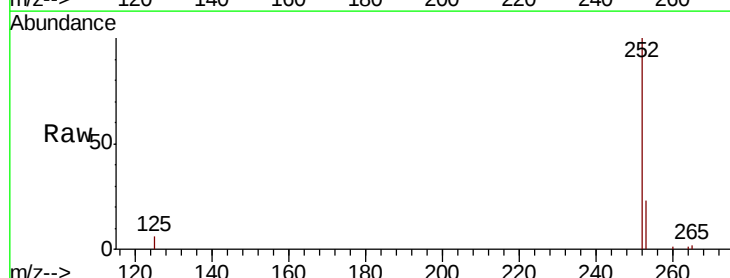
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#37
Benzo(a)pyrene
Concen: 1.936 ng m
RT: 23.55 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.6	29.4
125	5.6	9.0	13.6





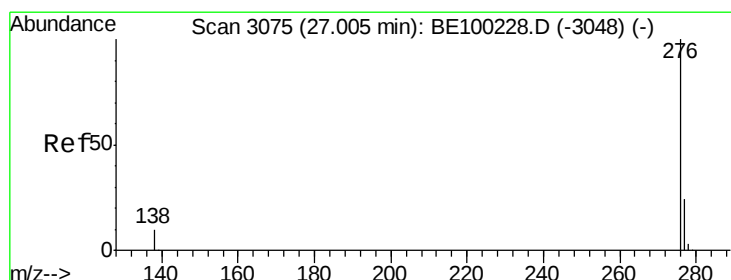
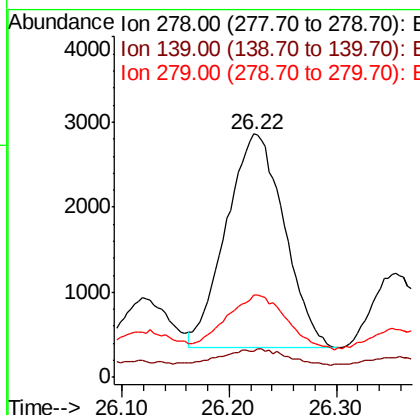
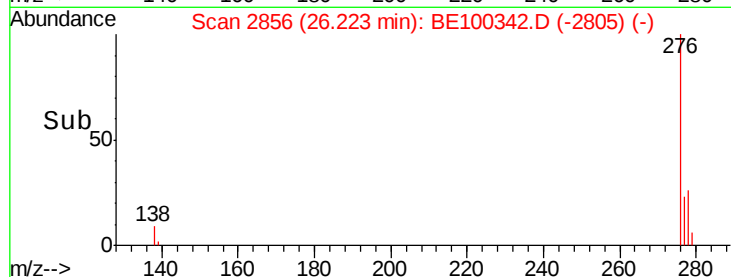
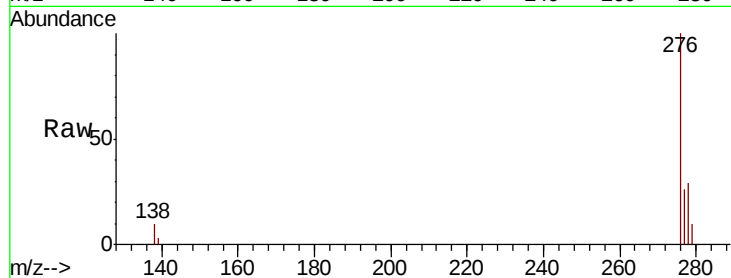
#38
Dibenzo(a,h)anthracene
Concen: 0.340 ng
RT: 26.22 min Scan# 2856
Delta R.T. -0.02 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW096-062619

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.9	8.2	12.2
279	33.8	20.3	30.5#

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#39
Benzo(g,h,i)perylene
Concen: 1.408 ng
RT: 27.00 min Scan# 3075
Delta R.T. -0.00 min
Lab File: BE100342.D
Acq: 3 Jul 2019 23:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.2	30.2
138	10.3	9.0	13.6

