

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
 Data File : BE100390.D
 Acq On : 5 Jul 2019 20:21
 Operator : JU/SJ
 Sample : K3560-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW143-062419

Manual Integrations
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mohammad
 7/8/2019 2:14:08 PM

Quant Time: Jul 06 00:55:39 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	7.62	152	747	0.40	ng	-0.02
7) Naphthalene-d8	10.42	136	2492	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	1858	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	5452	0.40	ng	-0.01
27) Chrysene-d12	21.23	240	7101	0.40	ng	-0.01
34) Perylene-d12	23.65	264	8875	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	524	0.28	ng	-0.02
5) Phenol-d6	6.82	99	669	0.27	ng	-0.02
8) Nitrobenzene-d5	8.80	82	454	0.18	ng	-0.03
11) 2-Methylnaphthalene-d10	12.02	152	1185	0.25	ng	-0.03
14) 2,4,6-Tribromophenol	15.81	330	411	0.32	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	1787	0.25	ng	-0.01
25) Fluoranthene-d10	19.08	212	17989	0.23	ng	-0.02
29) Terphenyl-d14	19.68	244	3677	0.25	ng	-0.02

Target Compounds				Qvalue		
9) Naphthalene	10.47	128	956	0.035	ng	# 82
12) 2-Methylnaphthalene	12.11	142	147	0.030	ng	# 87
16) Acenaphthylene	14.03	152	769	0.086	ng	98
17) Acenaphthene	14.36	154	167	0.033	ng	94
18) Fluorene	15.34	166	309	0.041	ng	# 88
23) Phenanthrene	17.08	178	9800	0.742	ng	99
24) Anthracene	17.17	178	1490	0.125	ng	98
26) Fluoranthene	19.12	202	28543	1.356	ng	100
28) Pyrene	19.48	202	27104	1.442	ng	97
30) Benzo(a)anthracene	21.22	228	15763	0.675	ng	# 90
31) Chrysene	21.27	228	14749	0.629	ng	95
32) Bis(2-ethylhexyl)phthalate	21.14	149	8825	0.210	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.20	276	11699	0.377	ng	# 91
35) Benzo(b)fluoranthene	22.91	252	22240	0.924	ng	97
36) Benzo(k)fluoranthene	22.95	252	7378m	0.275	ng	
37) Benzo(a)pyrene	23.54	252	15234	0.632	ng	95
38) Dibenzo(a,h)anthracene	26.21	278	2671	0.106	ng	# 55
39) Benzo(a,h,i)perylene	26.99	276	13267	0.513	ng	95

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

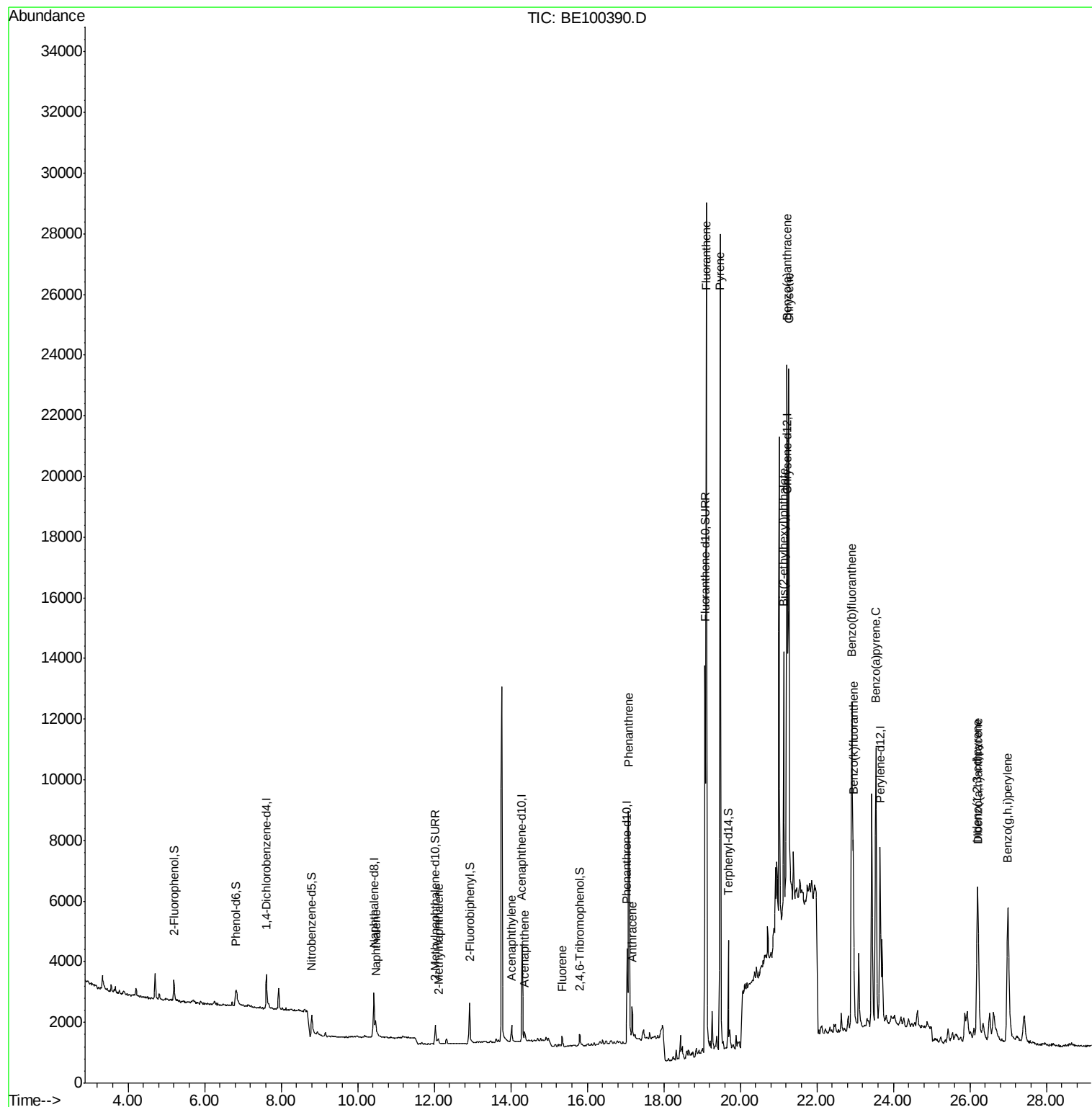
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
Data File : BE100390.D
Acq On : 5 Jul 2019 20:21
Operator : JU/SJ
Sample : K3560-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

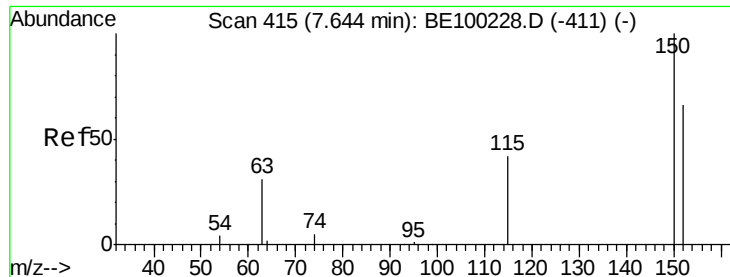
Instrument :
BNA_E
ClientSampleId :
EXT-009-SW143-062419

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Quant Time: Jul 06 00:55:39 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





#1

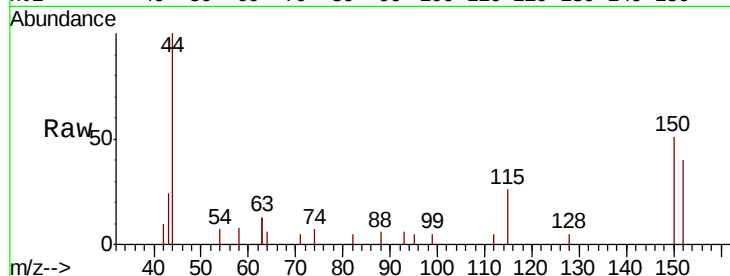
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 413
Delta R.T. -0.02 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW143-062419

Tot Ion	Ratio	Lower	Upper
152	100		
150	129.2	114.5	171.7
115	65.8	57.1	85.7

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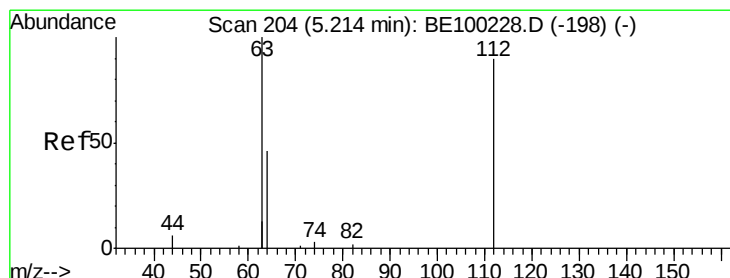
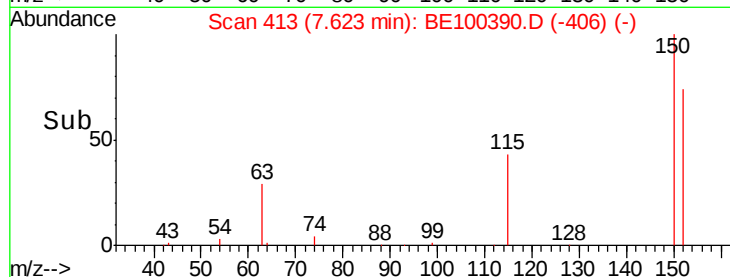
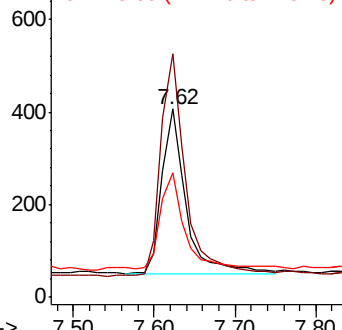


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

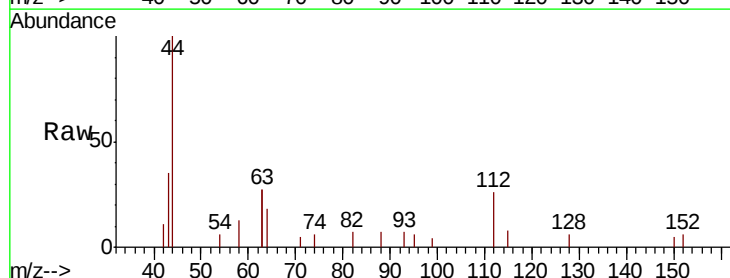
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.275 ng
RT: 5.19 min Scan# 202
Delta R.T. -0.02 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	39.4	59.0#
63	131.9	104.5	156.7

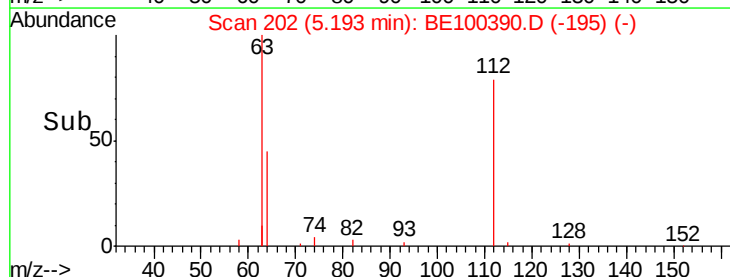
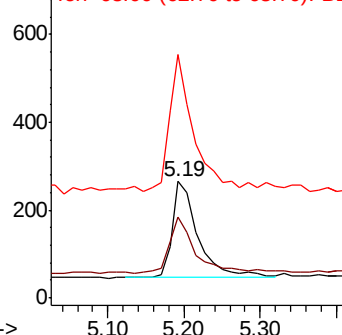


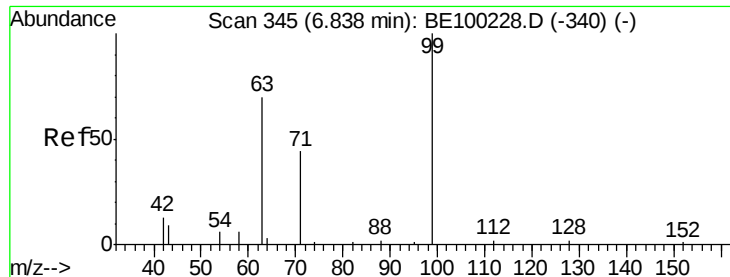
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.267 ng

RT: 6.82 min Scan# 343

Delta R.T. -0.02 min

Lab File: BE100390.D

Acq: 5 Jul 2019 20:21

Instrument :

BNA_E

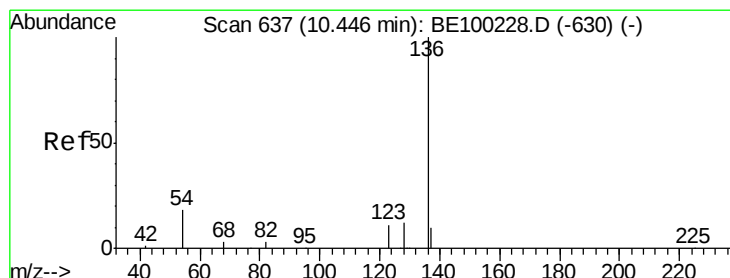
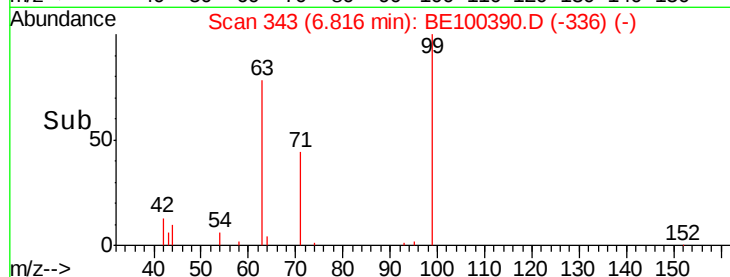
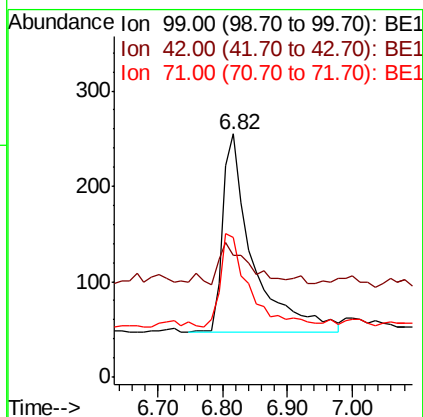
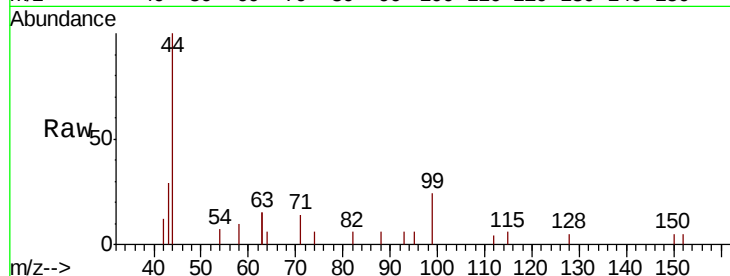
ClientSampleId :

EXT-009-SW143-062419

Tot Ion:	99	Resp:	669
Ion	Ratio	Lower	Upper
99	100		
42	20.6	11.2	16.8#
71	44.2	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

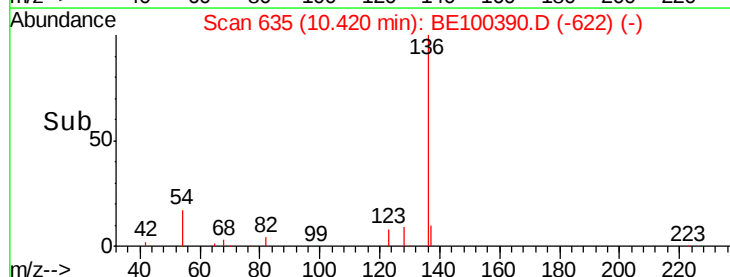
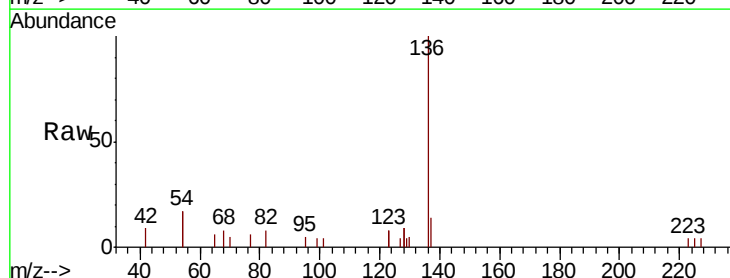
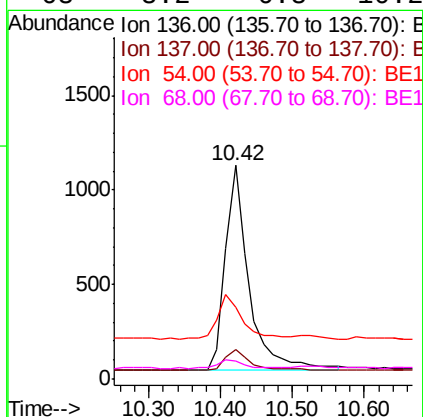
RT: 10.42 min Scan# 635

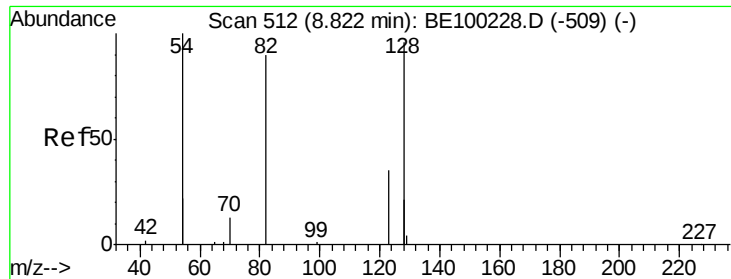
Delta R.T. -0.03 min

Lab File: BE100390.D

Acq: 5 Jul 2019 20:21

Tgt Ion:	136	Resp:	2492
Ion	Ratio	Lower	Upper
136	100		
137	14.1	11.8	17.8
54	33.3	27.7	41.5
68	8.2	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.183 ng

RT: 8.80 min Scan# 510

Delta R.T. -0.03 min

Lab File: BE100390.D

Acq: 5 Jul 2019 20:21

Instrument :

BNA_E

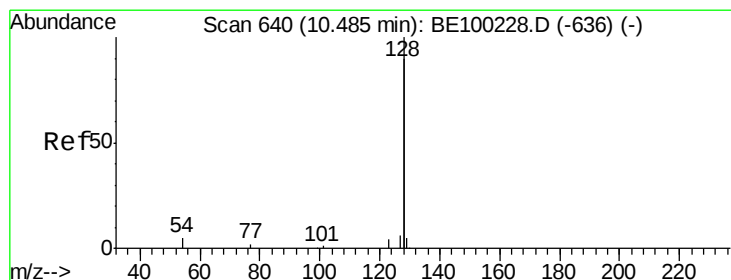
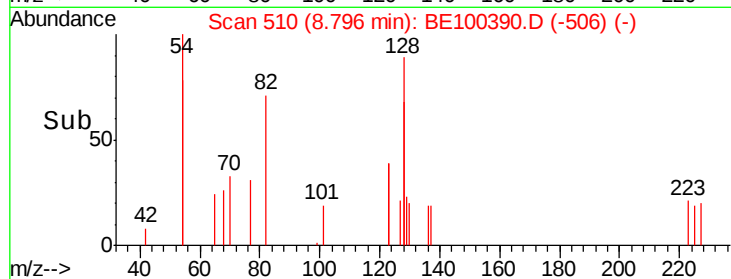
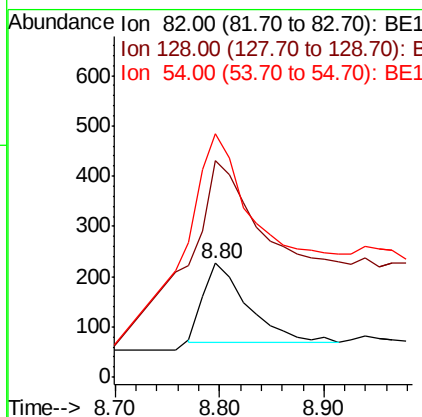
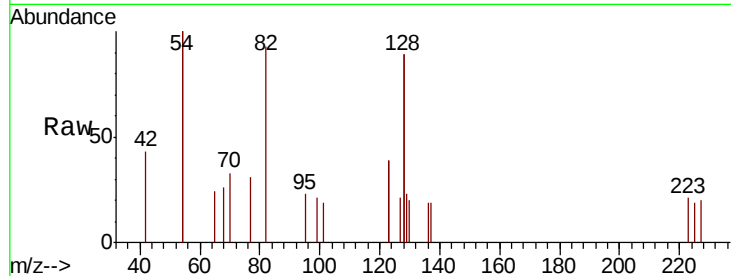
ClientSampleId :

EXT-009-SW143-062419

Tot Ion:	82	Resp:	454
Ion Ratio	Lower	Upper	
82	100		
128	191.2	140.9	211.3
54	214.2	146.2	219.2

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#9

Naphthalene

Concen: 0.035 ng

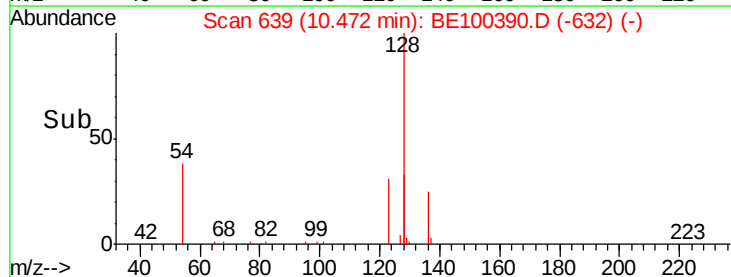
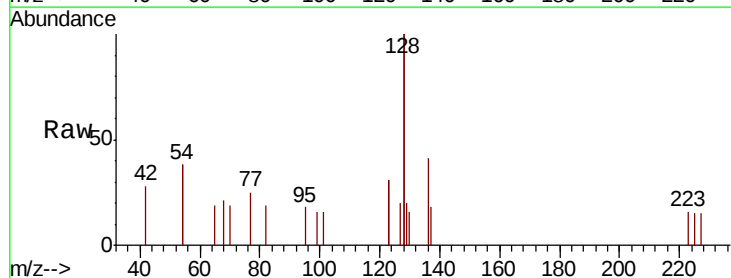
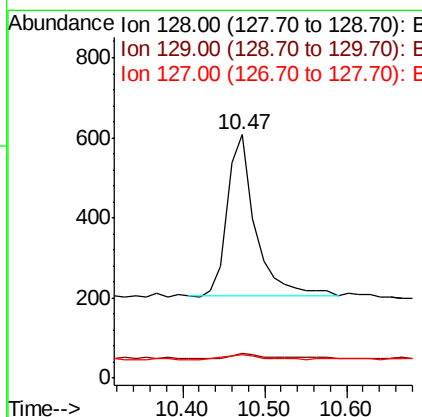
RT: 10.47 min Scan# 639

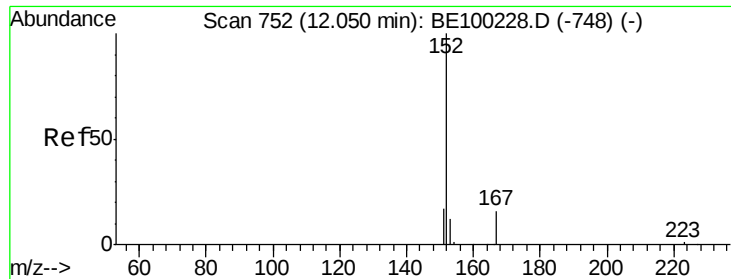
Delta R.T. -0.01 min

Lab File: BE100390.D

Acq: 5 Jul 2019 20:21

Tgt Ion:	128	Resp:	956
Ion Ratio	Lower	Upper	
128	100		
129	10.2	3.0	4.6#
127	9.9	3.5	5.3#





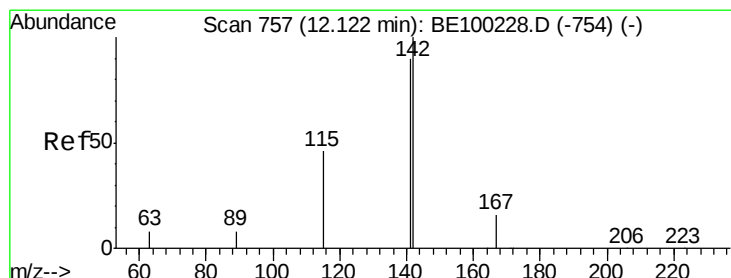
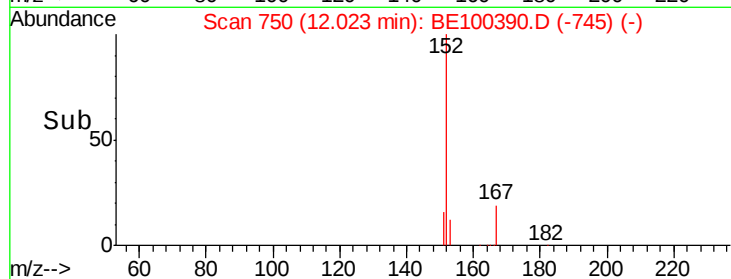
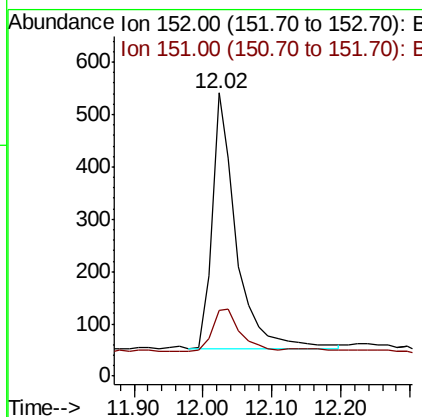
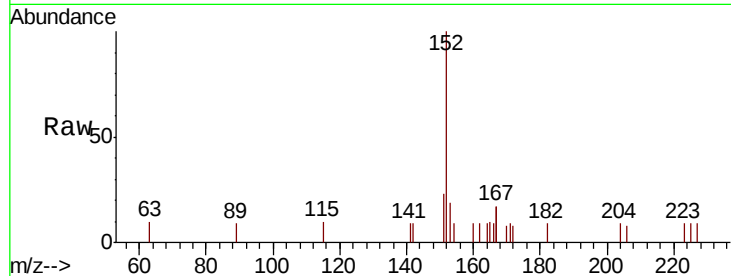
#11
 2-Methylnaphthalene-d10
 Concen: 0.253 ng
 RT: 12.02 min Scan# 750
 Delta R.T. -0.03 min
 Lab File: BE100390.D
 Acq: 5 Jul 2019 20:21

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW143-062419

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.1	22.7

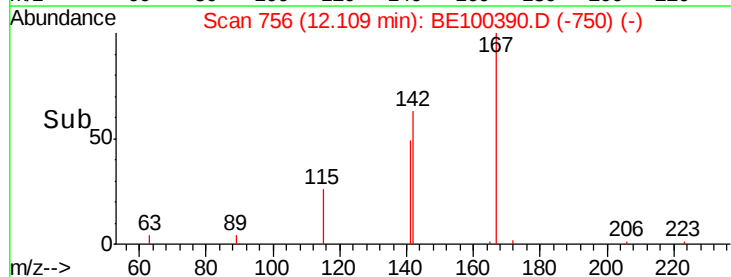
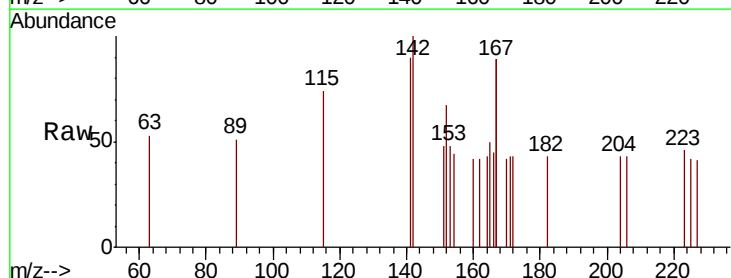
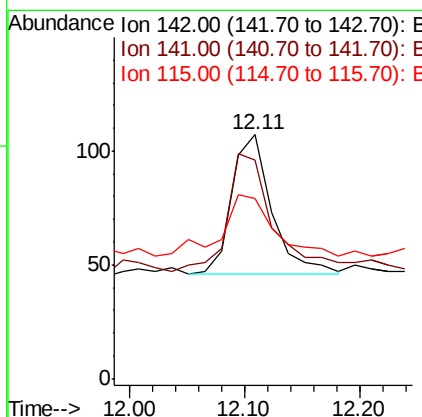
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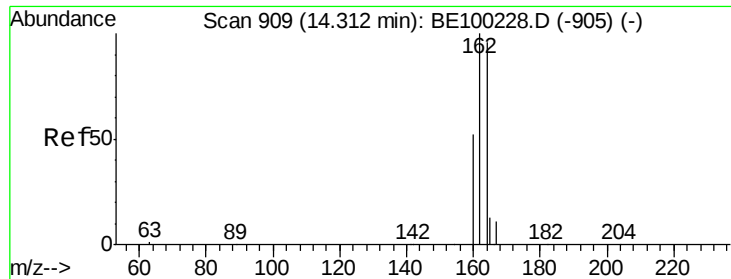
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#12
 2-Methylnaphthalene
 Concen: 0.030 ng
 RT: 12.11 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BE100390.D
 Acq: 5 Jul 2019 20:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.4	108.6
115	73.8	40.4	60.6





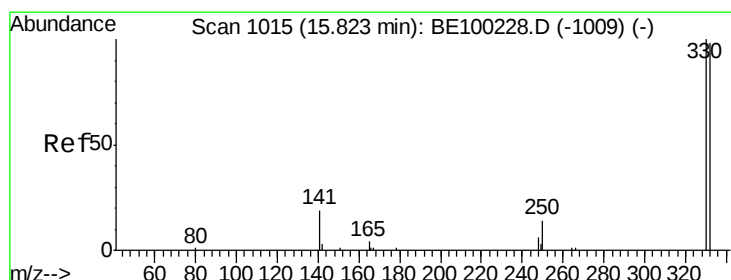
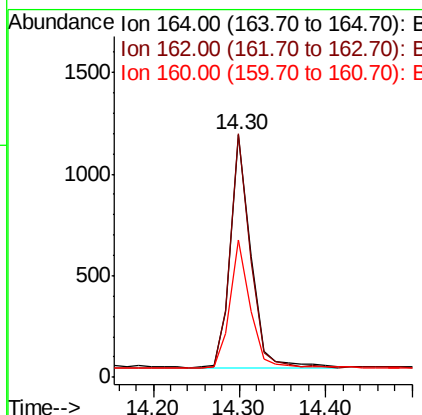
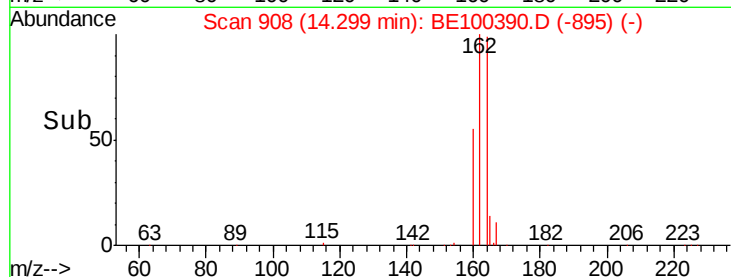
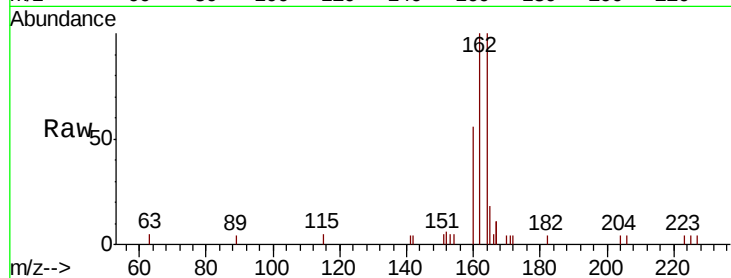
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 908
Delta R.T. -0.01 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW143-062419

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.3	83.4	125.0
160	56.3	45.0	67.6

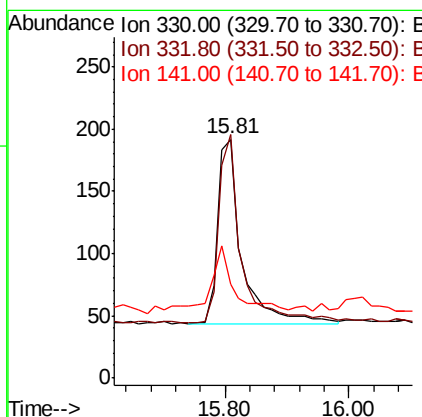
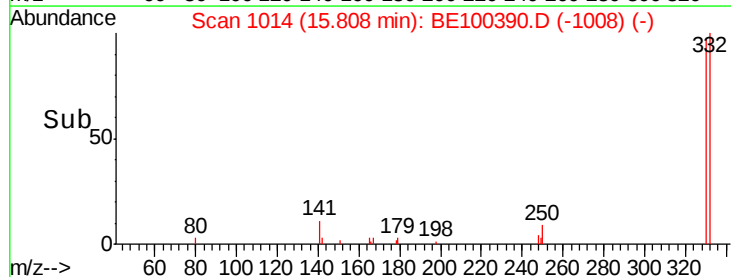
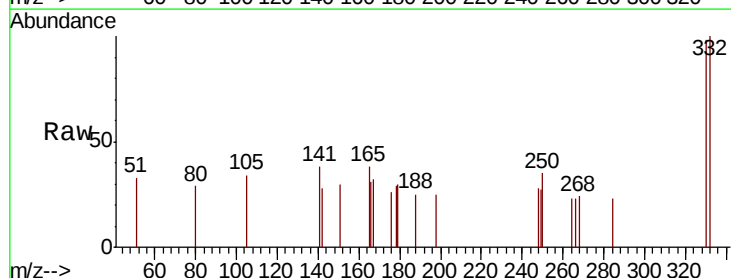
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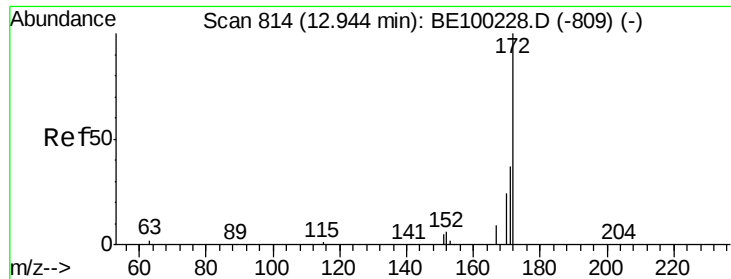
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#14
2,4,6-Tribromophenol
Concen: 0.316 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.4
141	27.3	22.0	33.0





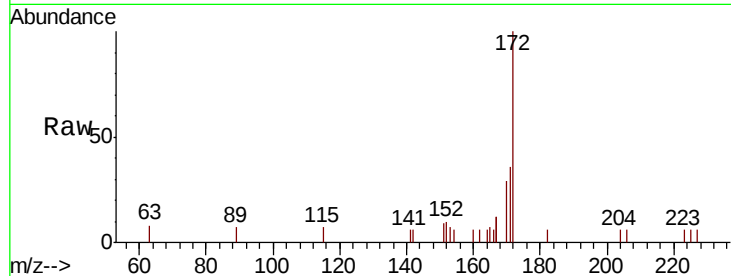
#15
2-Fluorobiphenyl
Concen: 0.247 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW143-062419

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	31.9	47.9
170	29.3	22.2	33.2

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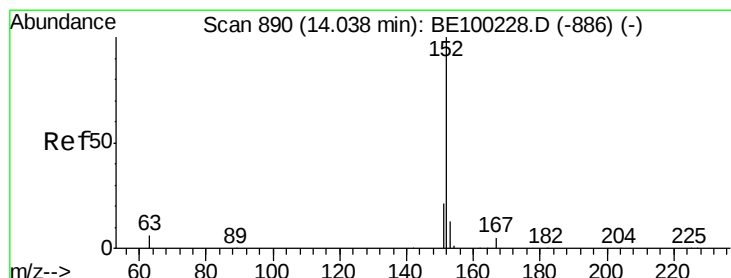
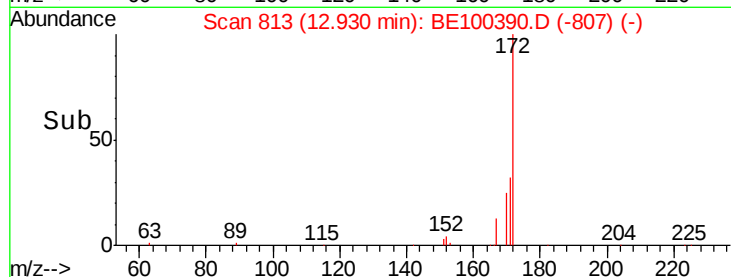
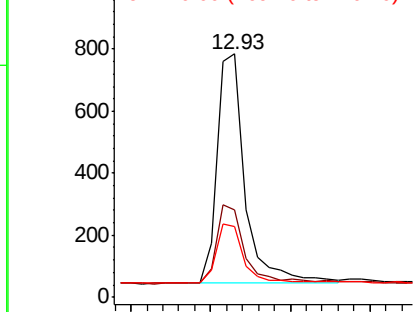


Abundance

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: 0.086 ng
RT: 14.03 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

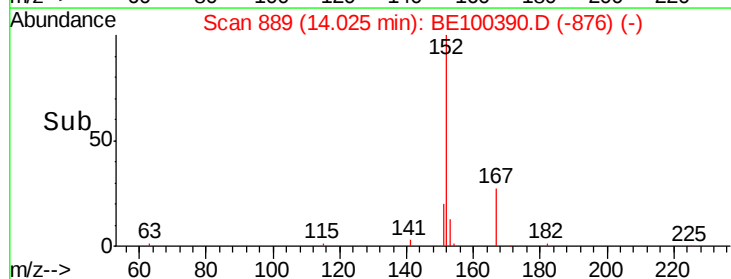
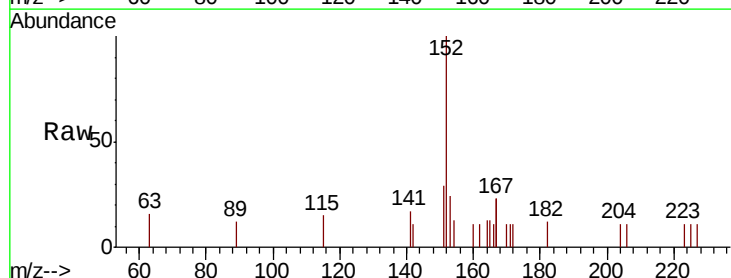
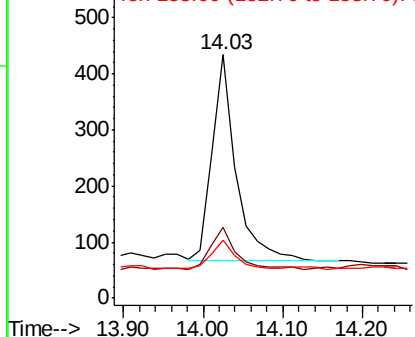
Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.6	25.0
153	12.4	10.5	15.7

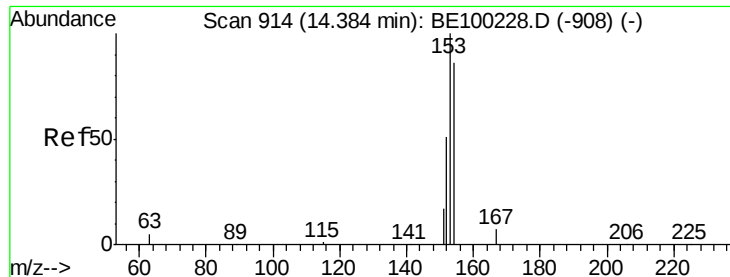
Abundance

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





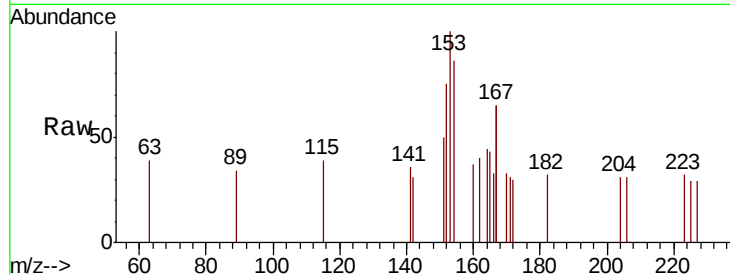
#17
Acenaphthene
Concen: 0.033 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.03 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW143-062419

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.0	93.4	140.2
152	71.9	49.4	74.2

Manual Integrations
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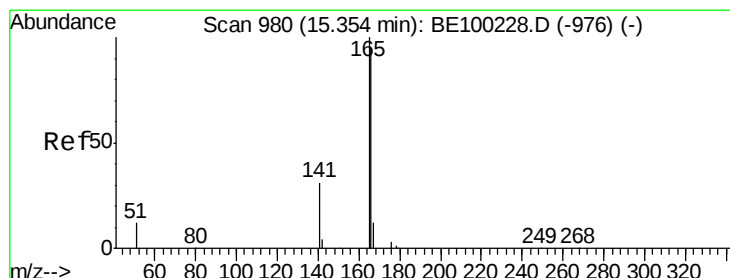
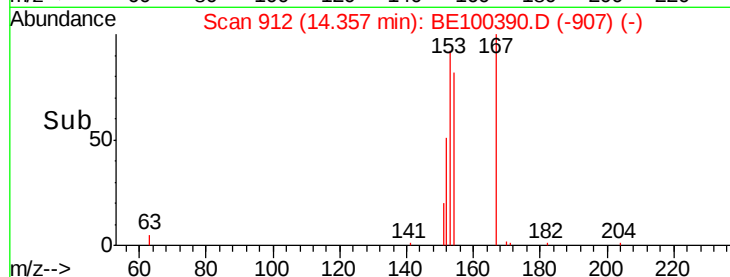
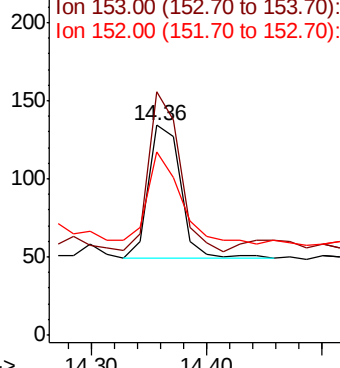


Abundance

Ion 154.00 (153.70 to 154.70): E

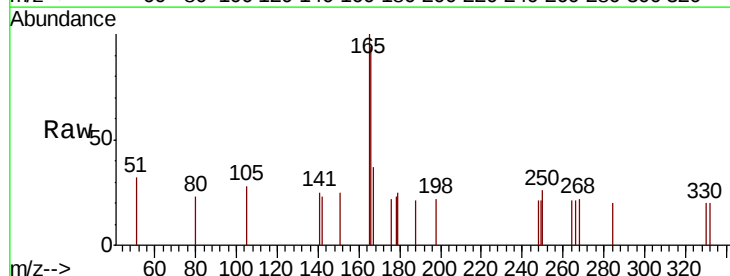
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.041 ng
RT: 15.34 min Scan# 979
Delta R.T. -0.01 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	113.3	81.1	121.7
167	20.4	10.7	16.1#

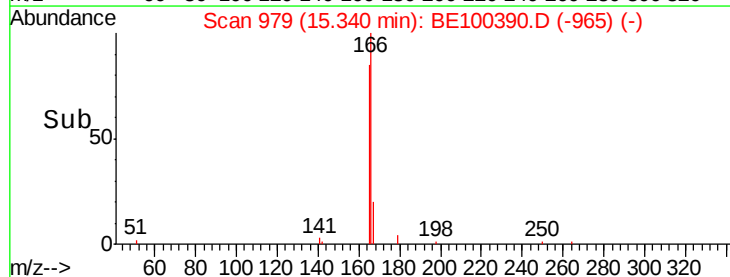
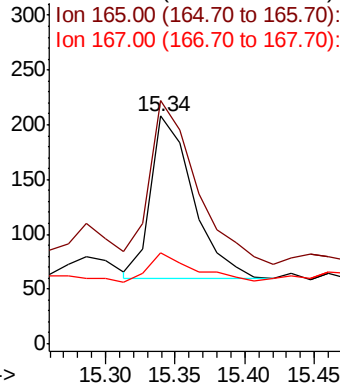


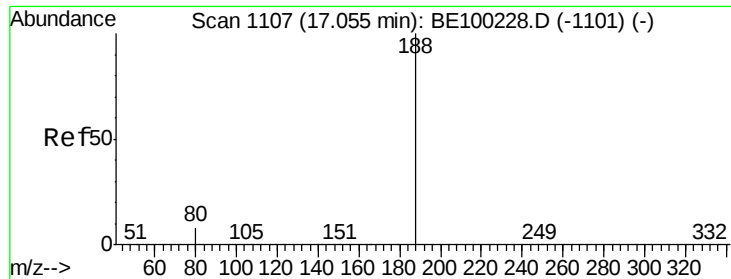
Abundance

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





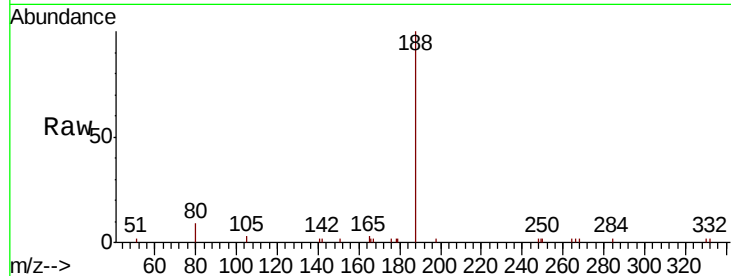
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW143-062419

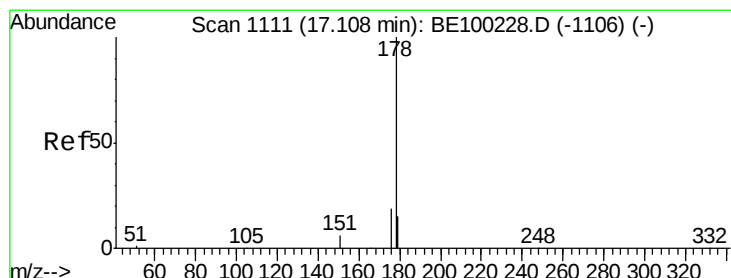
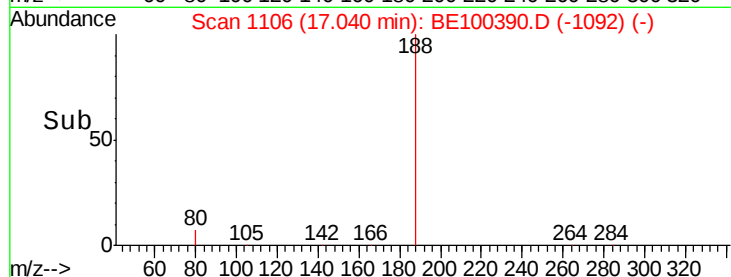
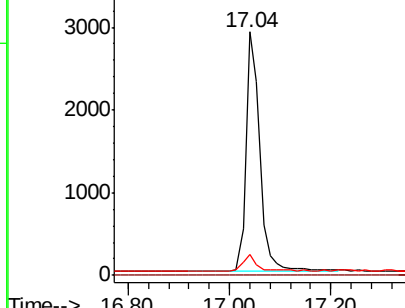
Tot Ion:188	Resp:	5452
Ion Ratio	Lower	Upper
188 100		
94 0.0	0.0	0.0
80 8.8	7.6	11.4

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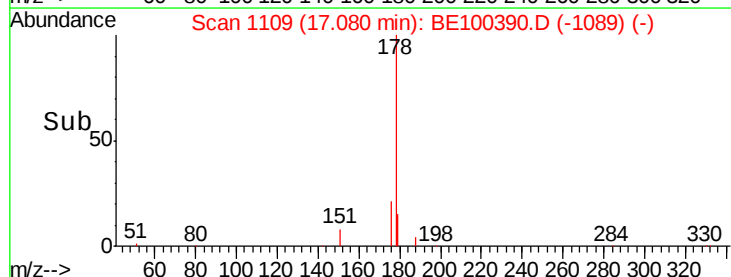
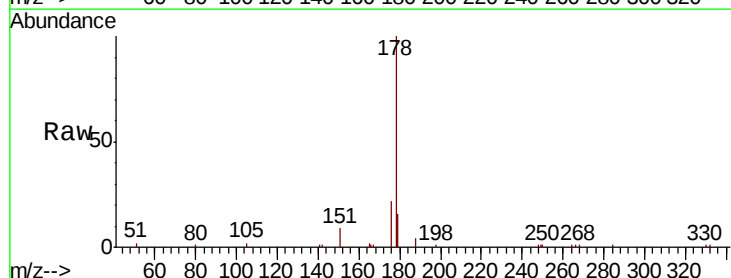
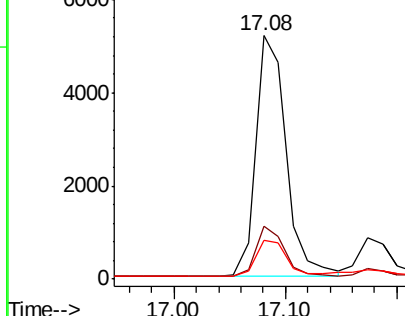
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE1
Ion 80.00 (79.70 to 80.70): BE1

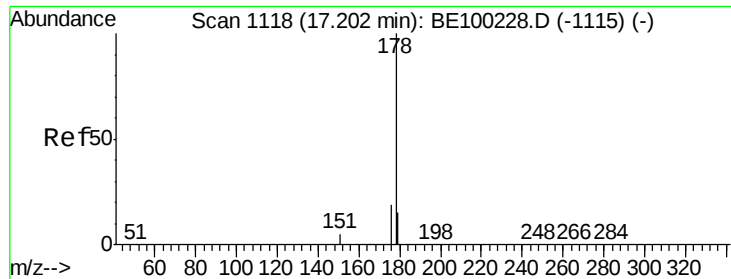


#23
Phenanthrene
Concen: 0.742 ng
RT: 17.08 min Scan# 1109
Delta R.T. -0.03 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Tgt Ion:178	Resp:	9800
Ion Ratio	Lower	Upper
178 100		
176 19.6	15.9	23.9
179 15.5	12.2	18.2

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.125 ng

RT: 17.17 min Scan# 1116

Delta R.T. -0.03 min

Lab File: BE100390.D

Acq: 5 Jul 2019 20:21

Instrument :

BNA_E

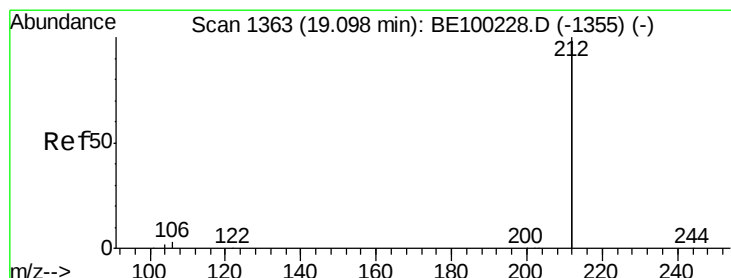
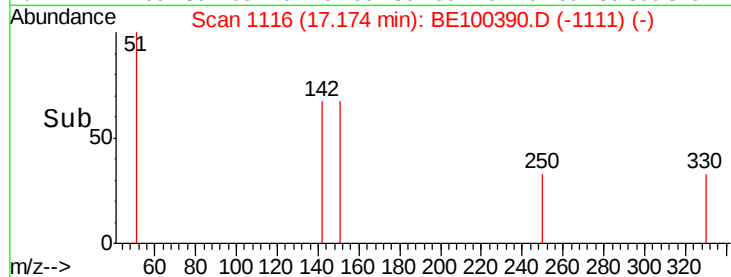
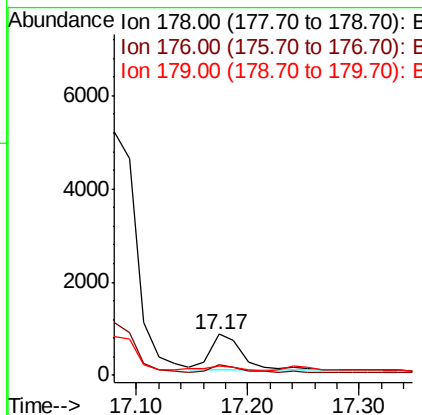
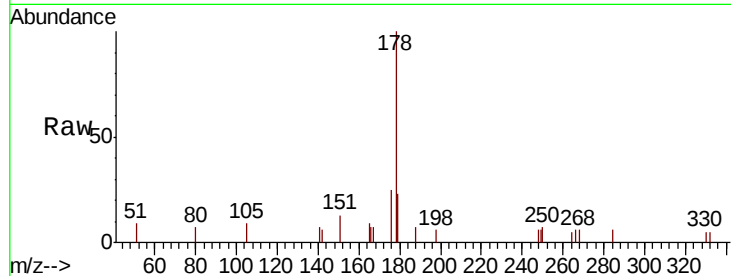
ClientSampleId :

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Tot Ion:	178	Resp:	1490
Ion Ratio	Lower	Upper	
178	100		
176	20.6	15.3	22.9
179	15.2	12.2	18.2

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#25

Fluoranthene-d10

Concen: 0.227 ng

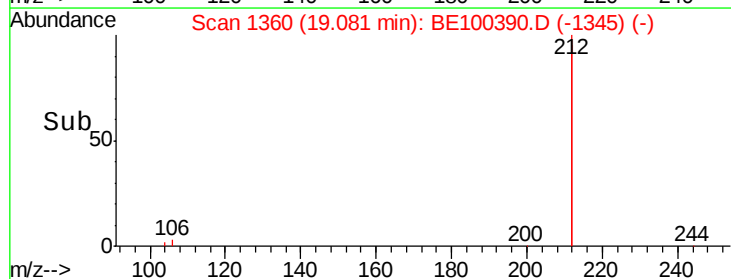
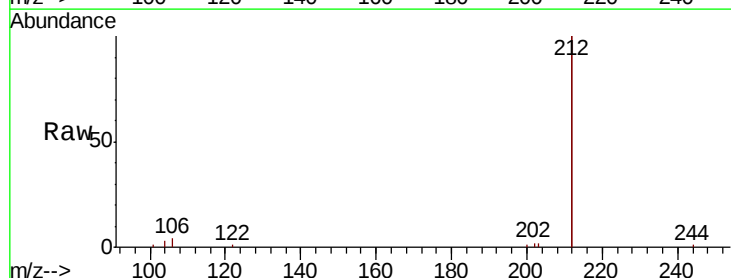
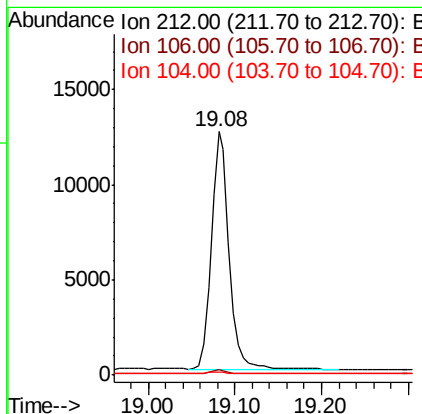
RT: 19.08 min Scan# 1360

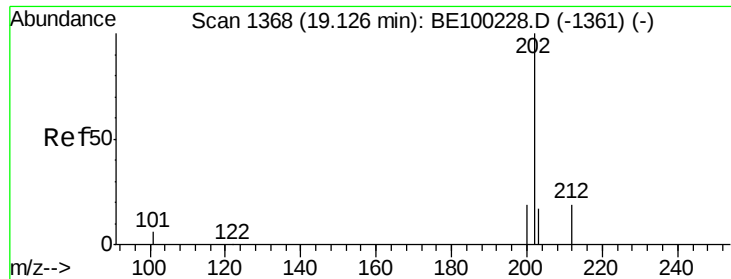
Delta R.T. -0.02 min

Lab File: BE100390.D

Acq: 5 Jul 2019 20:21

Tgt Ion:	212	Resp:	17989
Ion Ratio	Lower	Upper	
212	100		
106	1.6	1.3	1.9
104	0.8	0.8	1.2





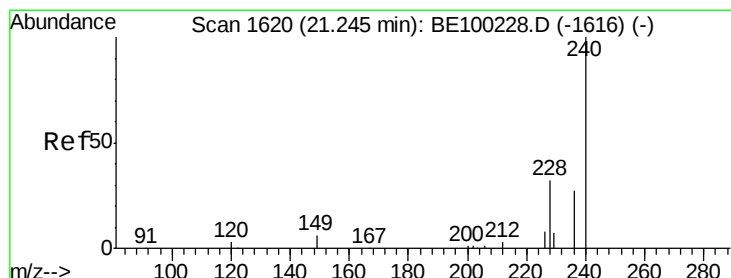
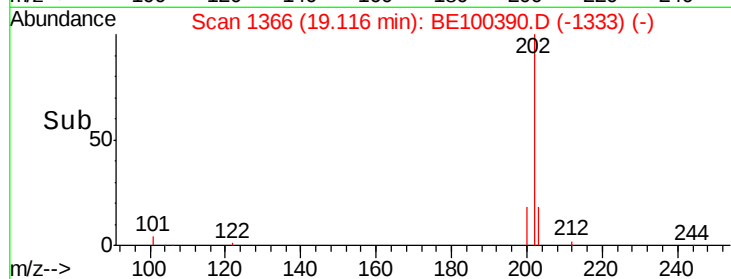
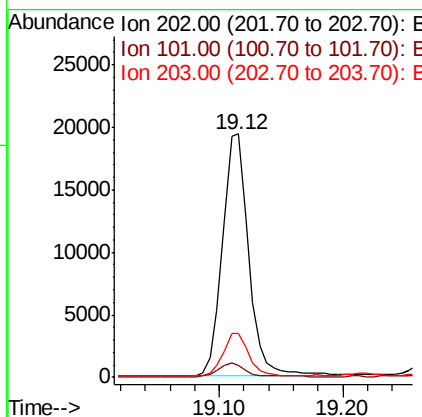
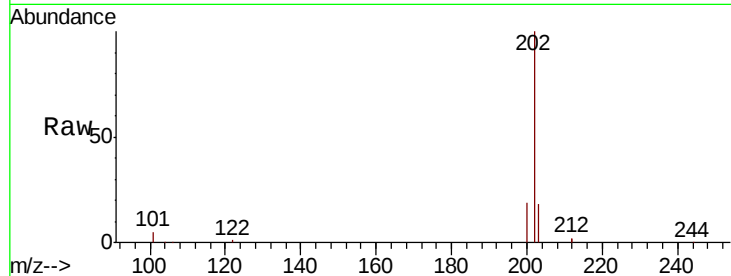
#26
Fluoranthene
Concen: 1.356 ng
RT: 19.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW143-062419

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.4	4.6	7.0
203	17.1	13.7	20.5

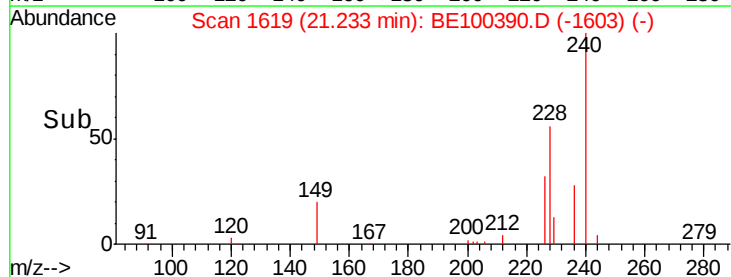
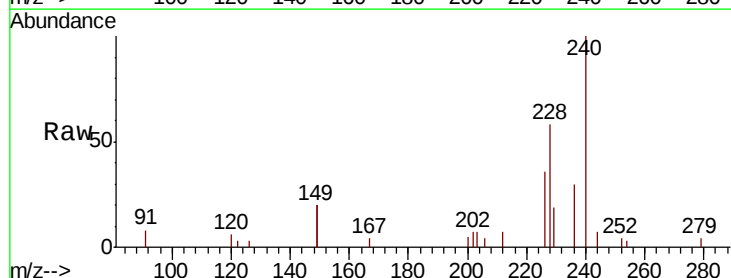
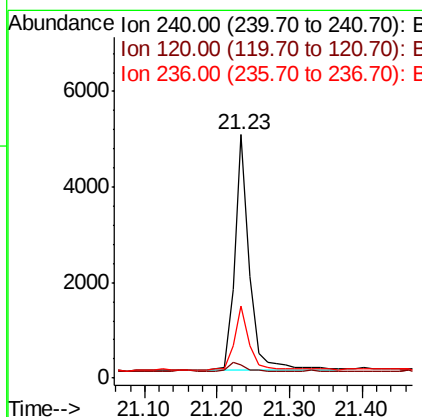
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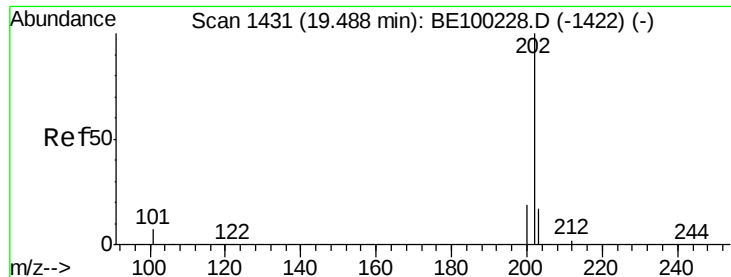
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.23 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.6	3.3	4.9#
236	29.7	22.6	34.0





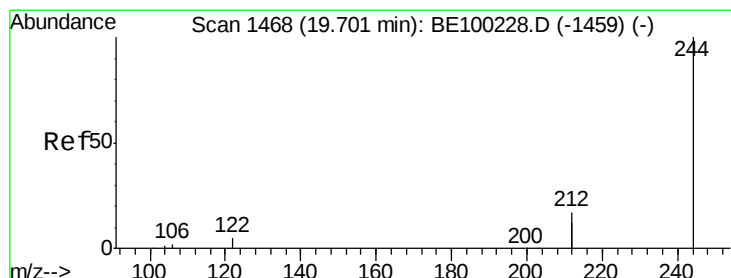
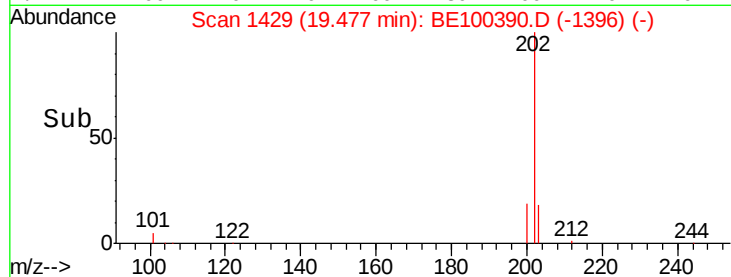
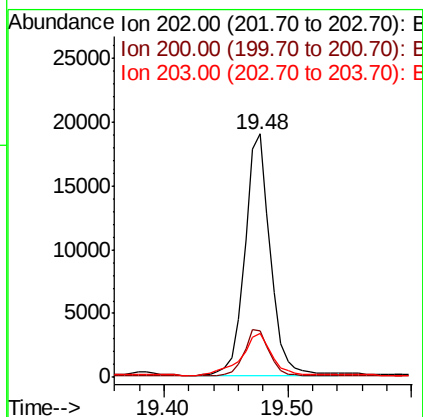
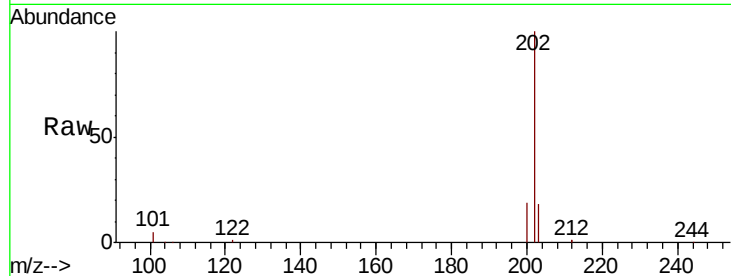
#28
Pvrene
Concen: 1.442 ng
RT: 19.48 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW143-062419

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.6	23.4
203	20.4	14.0	21.0

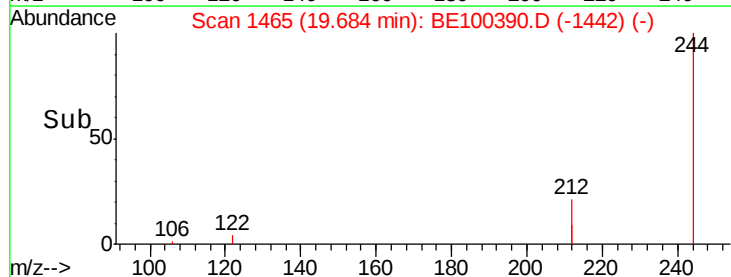
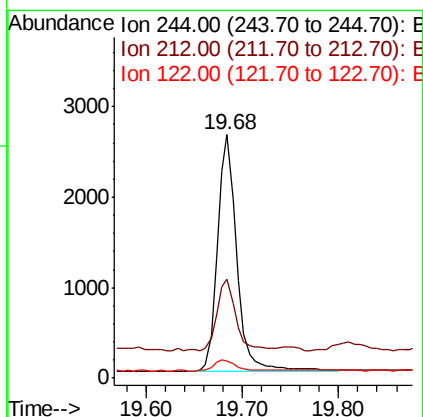
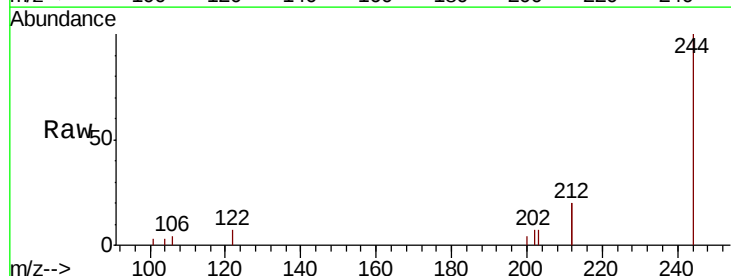
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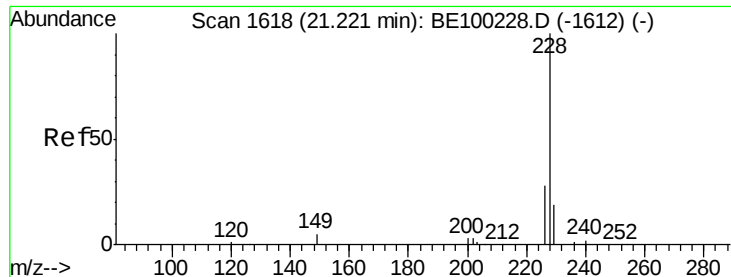
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#29
Terphenyl-d14
Concen: 0.250 ng
RT: 19.68 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	40.8	27.3	40.9
122	7.2	4.7	7.1#





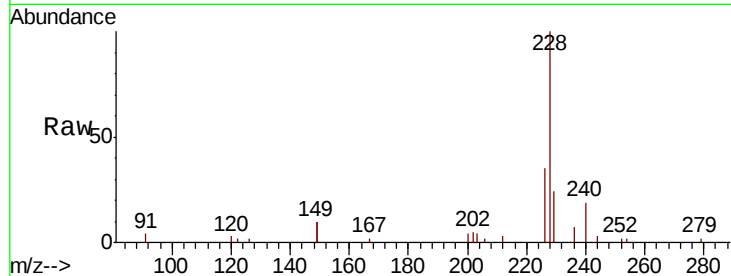
#30
Benzo(a)anthracene
Concen: 0.675 ng
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW143-062419

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.7	23.2	34.8
229	23.8	15.7	23.5

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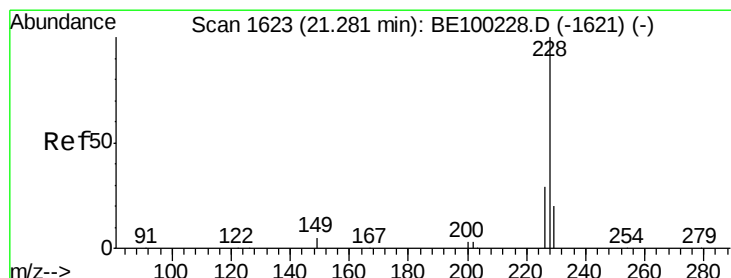
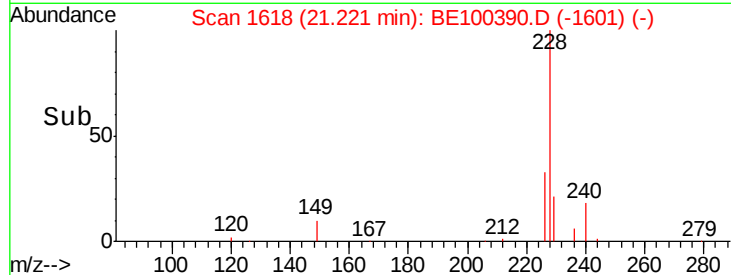
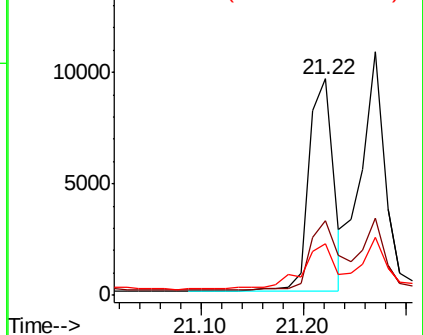


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31
Chrysene
Concen: 0.629 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

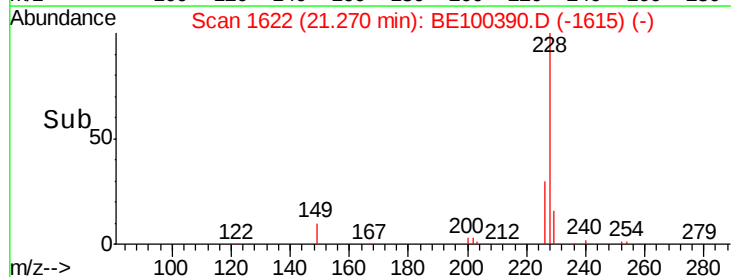
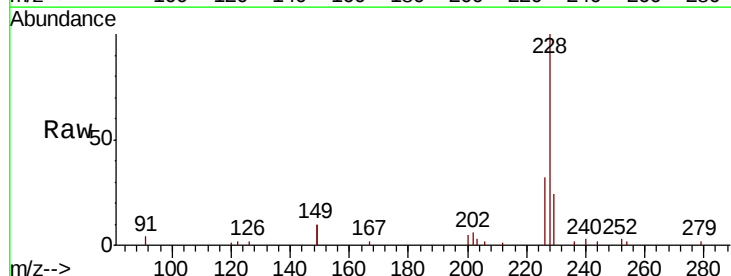
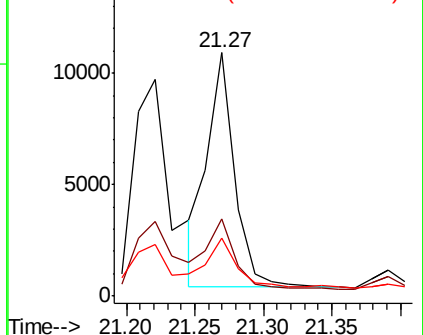
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	23.9	35.9
229	24.0	16.5	24.7

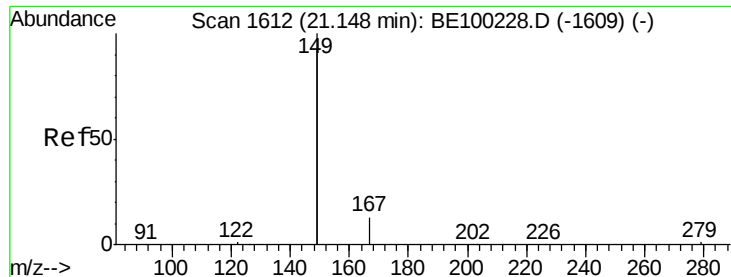
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.210 ng

RT: 21.14 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BE100390.D

Acq: 5 Jul 2019 20:21

Instrument :

BNA_E

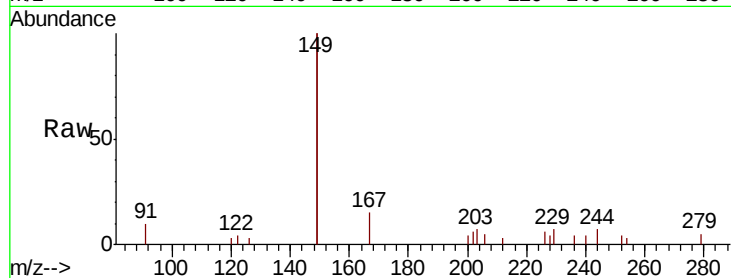
ClientSampleId :

EXT-009-SW143-062419

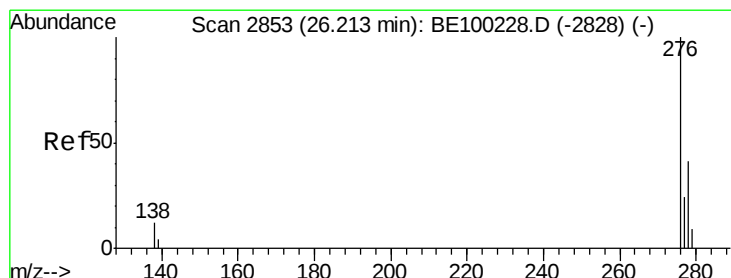
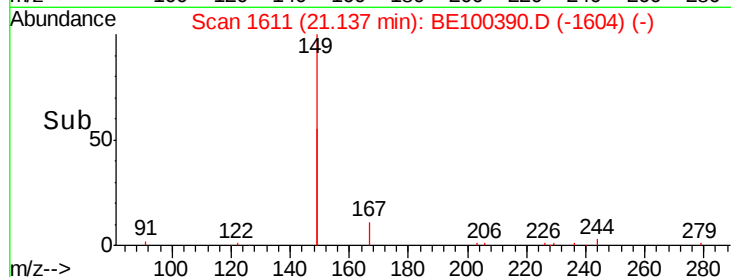
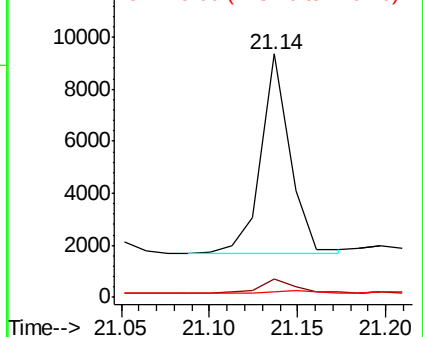
Tot Ion:	149	Resp:	8825
Ion Ratio	Lower	Upper	
149	100		
167	7.4	5.8	8.8
279	2.0	1.1	1.7#

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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: 0.377 ng

RT: 26.20 min Scan# 2848

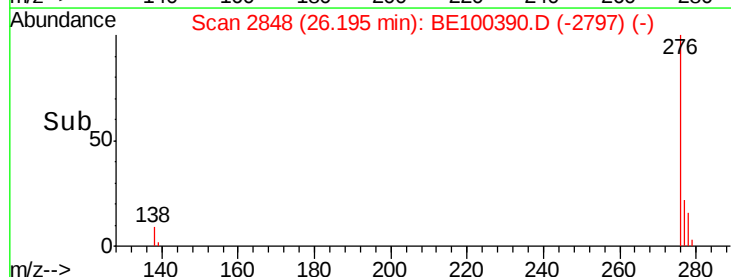
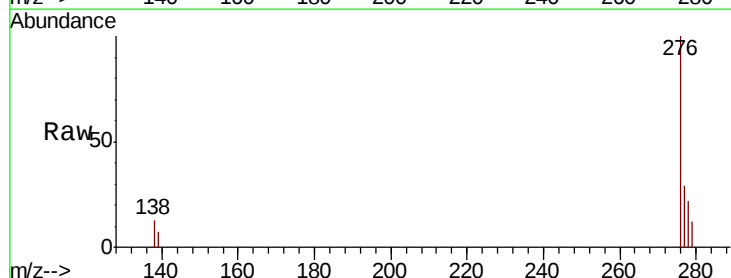
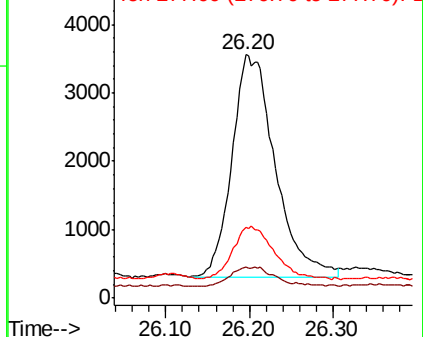
Delta R.T. -0.02 min

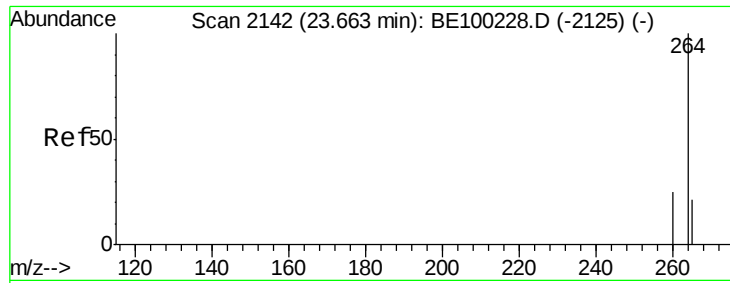
Lab File: BE100390.D

Acq: 5 Jul 2019 20:21

Tgt Ion:	276	Resp:	11699
Ion Ratio	Lower	Upper	
276	100		
138	4.3	9.4	14.0#
277	22.0	19.2	28.8

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





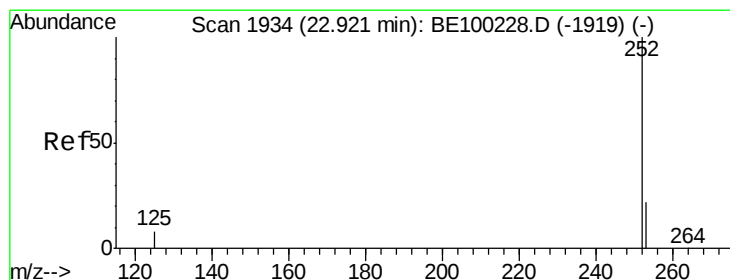
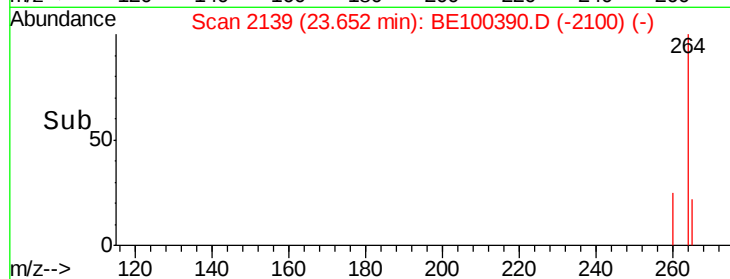
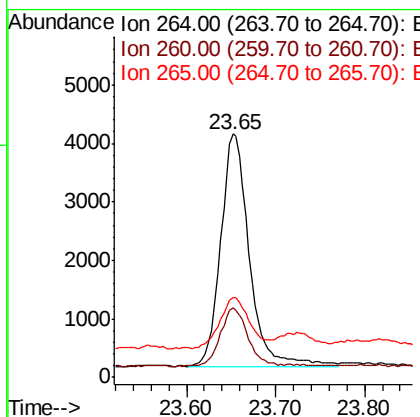
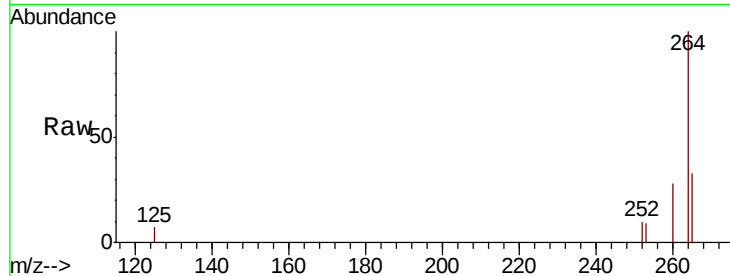
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.65 min Scan# 2139
Delta R.T. -0.01 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW143-062419

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.4	20.8	31.2
265	32.7	21.8	32.6

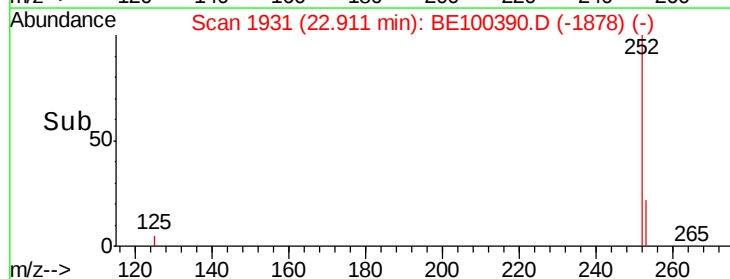
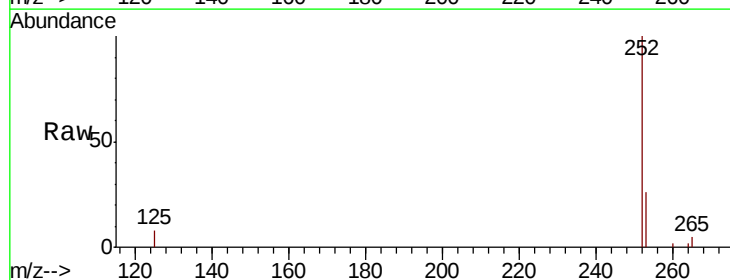
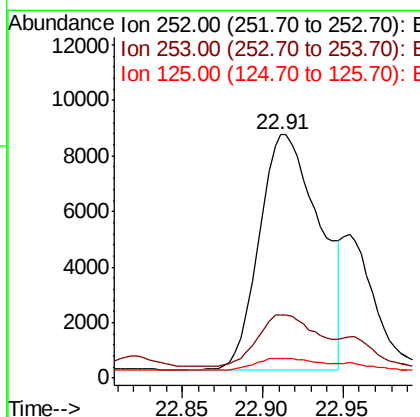
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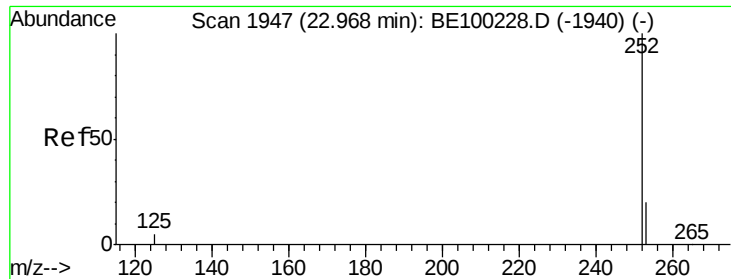
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#35
Benzo(b)fluoranthene
Concen: 0.924 ng
RT: 22.91 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	19.2	28.8
125	8.1	7.4	11.0





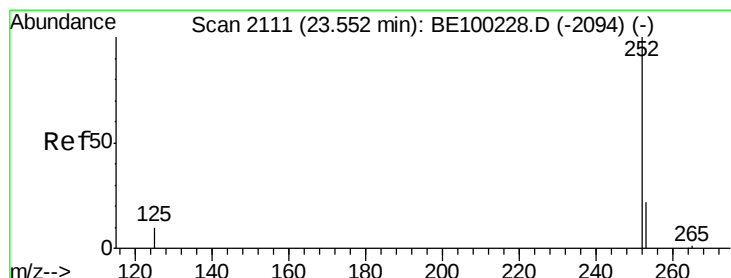
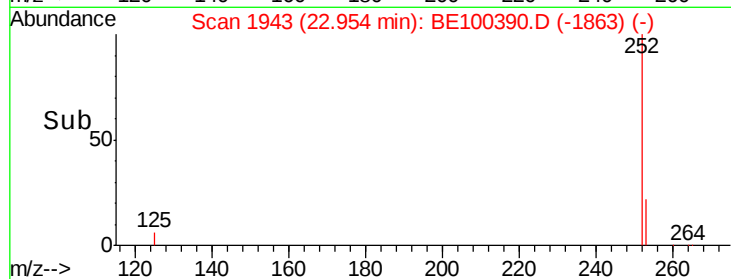
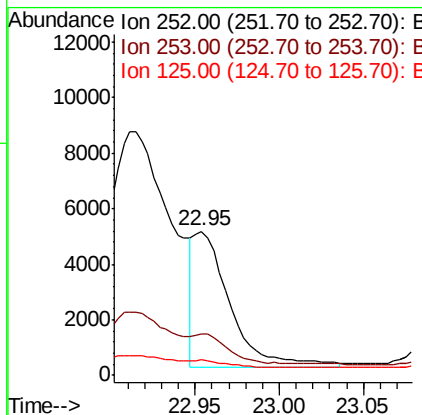
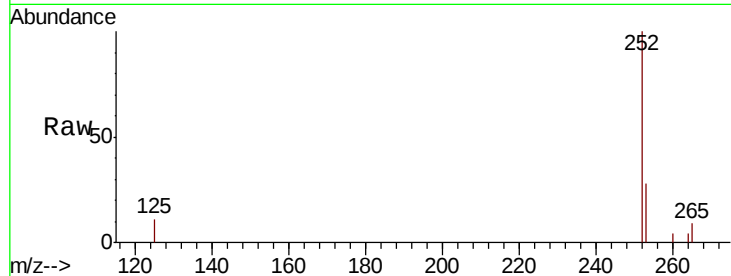
#36
Benzo(k)fluoranthene
Concen: 0.275 ng m
RT: 22.95 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW143-062419

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.9	26.9#
125	10.5	5.0	7.4#

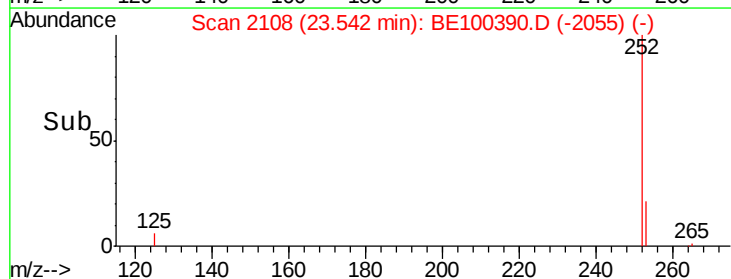
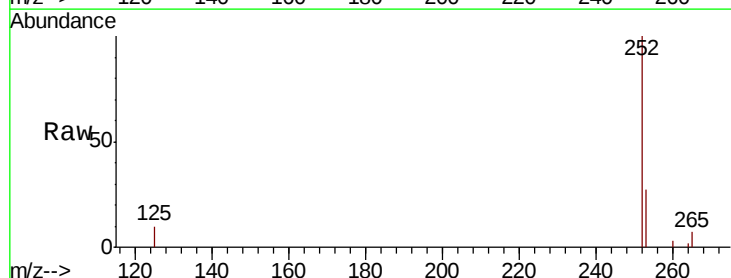
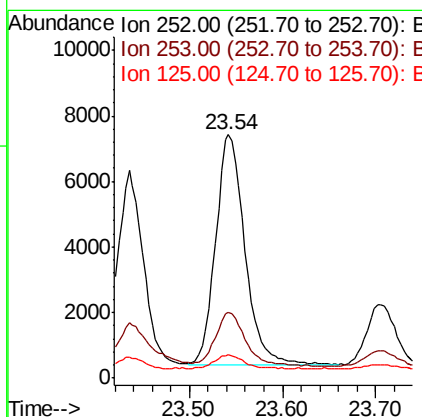
Manual Integrations
APPROVED

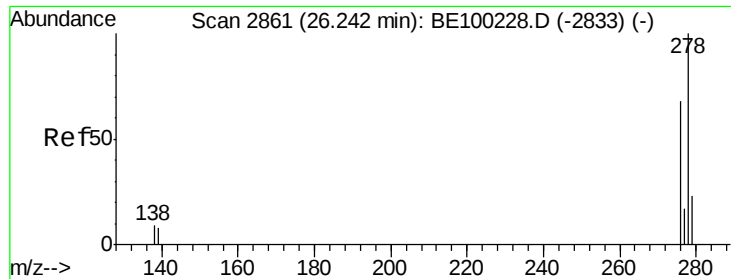
mohammad
7/8/2019 2:14:08 PM



#37
Benzo(a)pyrene
Concen: 0.632 ng
RT: 23.54 min Scan# 2108
Delta R.T. -0.01 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	19.6	29.4
125	9.6	9.0	13.6





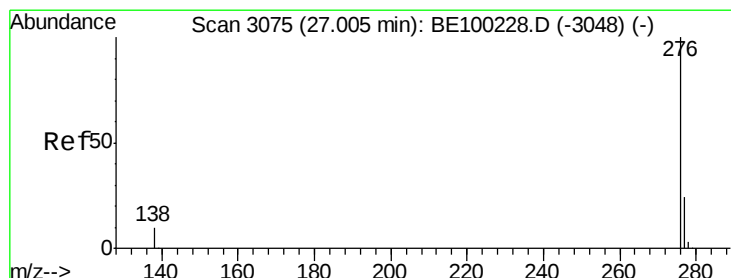
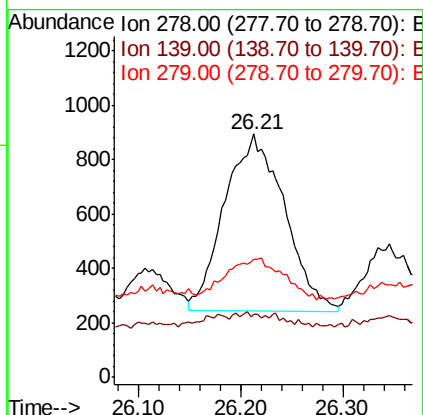
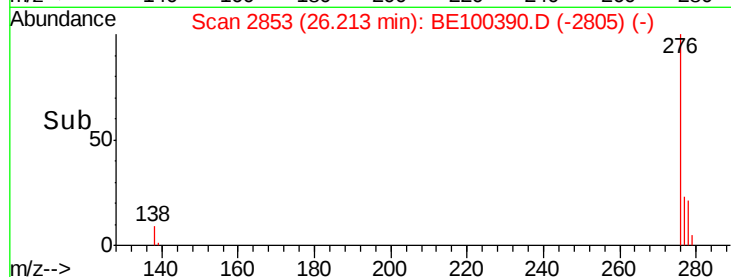
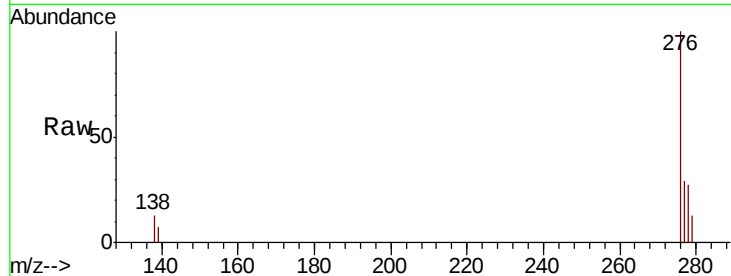
#38
Dibenzo(a,h)anthracene
Concen: 0.106 ng
RT: 26.21 min Scan# 2853
Delta R.T. -0.03 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW143-062419

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.1	8.2	12.2#
279	48.7	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/8/2019 2:14:08 PM



#39
Benzo(g,h,i)perylene
Concen: 0.513 ng
RT: 26.99 min Scan# 3072
Delta R.T. -0.01 min
Lab File: BE100390.D
Acq: 5 Jul 2019 20:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.2	20.2	30.2
138	13.0	9.0	13.6

