

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
 Data File : BE100396.D
 Acq On : 6 Jul 2019 00:38
 Operator : JU/SJ
 Sample : K3558-10 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-032-SW172-062519

Manual Integrations
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Quant Time: Jul 06 03:52:33 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	585	0.40	ng	-0.01
7) Naphthalene-d8	10.42	136	2123	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	1651	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	5117	0.40	ng	-0.01
27) Chrysene-d12	21.23	240	6620	0.40	ng	-0.01
34) Perylene-d12	23.65	264	8400	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.19	112	74	0.05	ng	-0.02
5) Phenol-d6	6.84	99	39	0.02	ng	0.00
8) Nitrobenzene-d5	8.85	82	65	0.03	ng	0.03
11) 2-Methylnaphthalene-d10	12.04	152	190	0.05	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	54	0.05	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	271	0.04	ng	-0.01
25) Fluoranthene-d10	19.08	212	2427	0.03	ng	-0.02
29) Terphenyl-d14	19.68	244	521	0.04	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.47	128	1420	0.061	ng	# 84
12) 2-Methylnaphthalene	12.12	142	144	0.035	ng	# 74
16) Acenaphthylene	14.02	152	1106	0.140	ng	97
17) Acenaphthene	14.37	154	148	0.033	ng	86
18) Fluorene	15.35	166	311	0.047	ng	# 91
23) Phenanthrene	17.09	178	13199	1.064	ng	99
24) Anthracene	17.17	178	1296	0.116	ng	# 89
26) Fluoranthene	19.11	202	33744	1.708	ng	99
28) Pyrene	19.47	202	51396	2.932	ng	96
30) Benzo(a)anthracene	21.21	228	24853	1.142	ng	95
31) Chrysene	21.27	228	35213	1.611	ng	98
32) Bis(2-ethylhexyl)phthalate	21.14	149	3821	0.067	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.20	276	14990	0.519	ng	# 93
35) Benzo(b)fluoranthene	22.91	252	28947	1.271	ng	# 98
36) Benzo(k)fluoranthene	22.95	252	9503m	0.374	ng	
37) Benzo(a)pyrene	23.54	252	23772m	1.041	ng	
38) Dibenzo(a,h)anthracene	26.22	278	3765	0.158	ng	# 73
39) Benzo(a,h,i)perylene	26.99	276	17491	0.714	ng	98

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

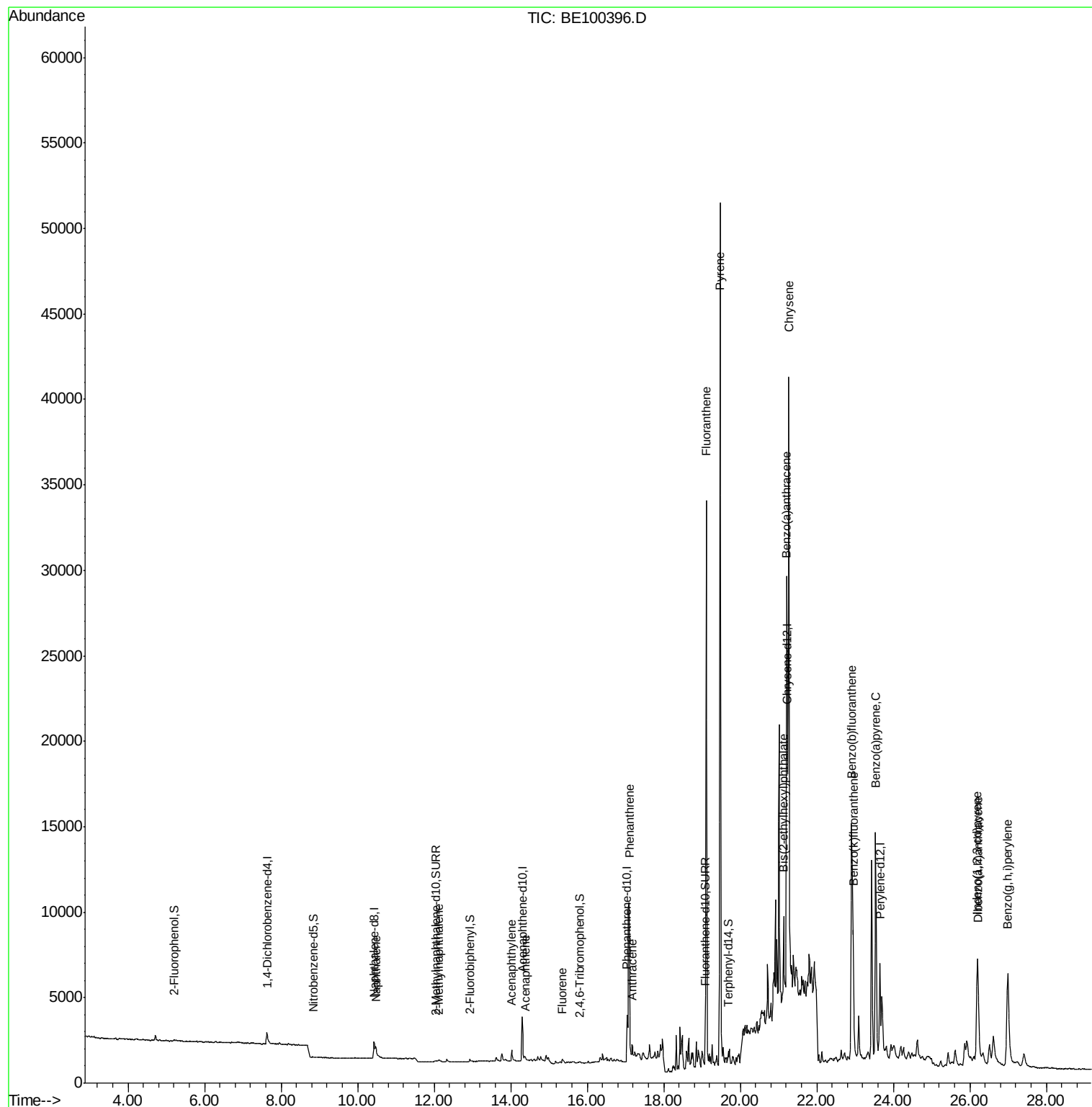
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
Data File : BE100396.D
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Sample : K3558-10 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

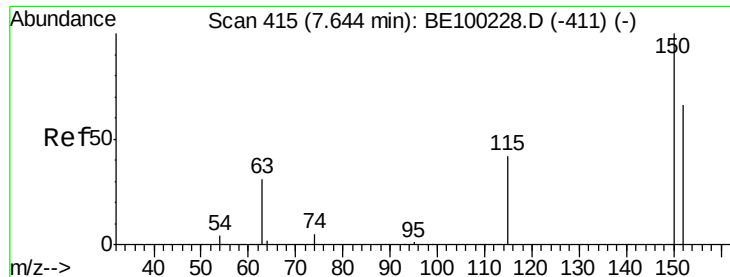
Instrument :
BNA_E
ClientSampleId :
EXT-032-SW172-062519

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Quant Time: Jul 06 03:52:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

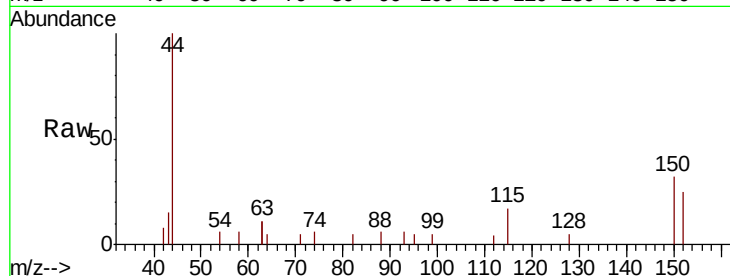
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW172-062519

Tot Ion	Ratio	Lower	Upper
152	100		
150	130.6	114.5	171.7
115	68.2	57.1	85.7

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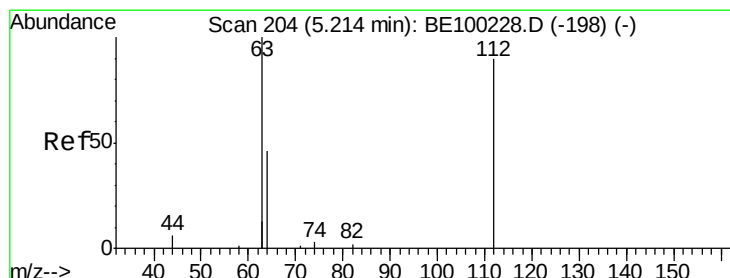
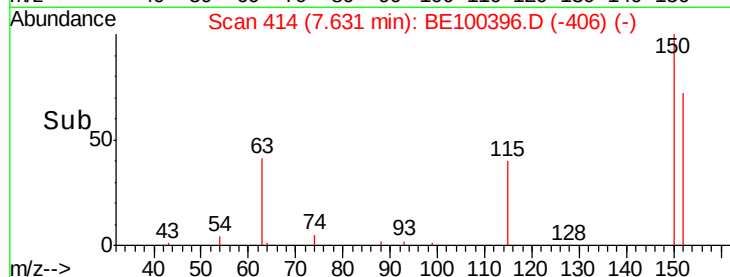
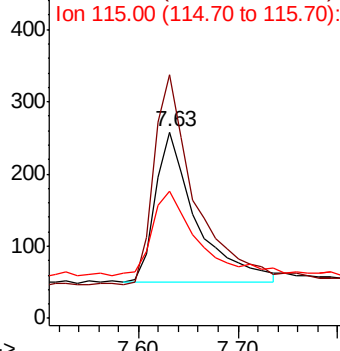


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

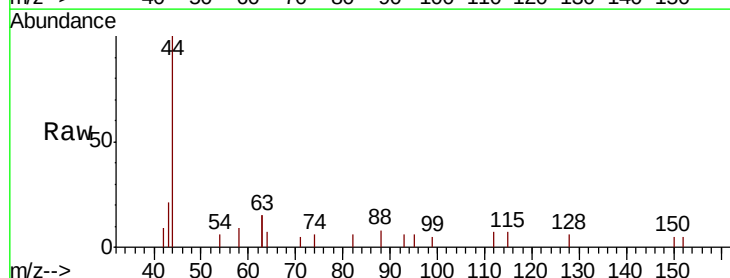
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.050 ng
RT: 5.19 min Scan# 202
Delta R.T. -0.02 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	39.4	59.0#
63	218.9	104.5	156.7#

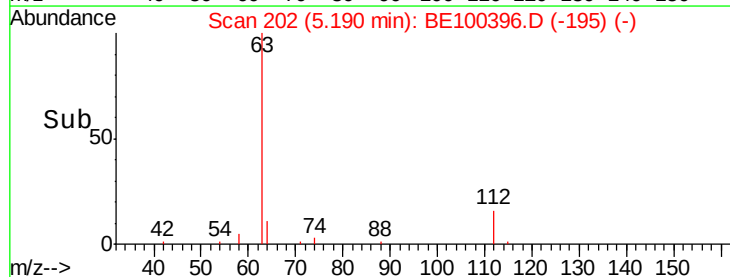
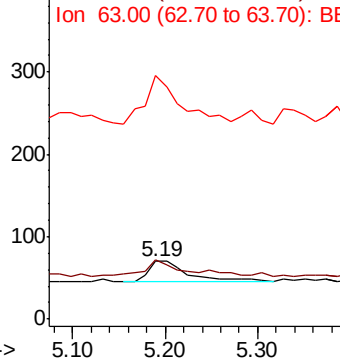


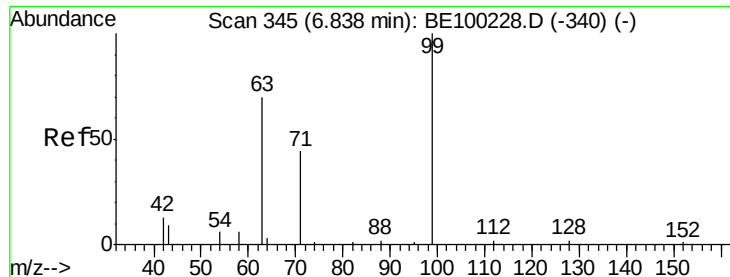
Abundance

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: 0.020 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.00 min

Lab File: BE100396.D

Acq: 6 Jul 2019 00:38

Instrument :

BNA_E

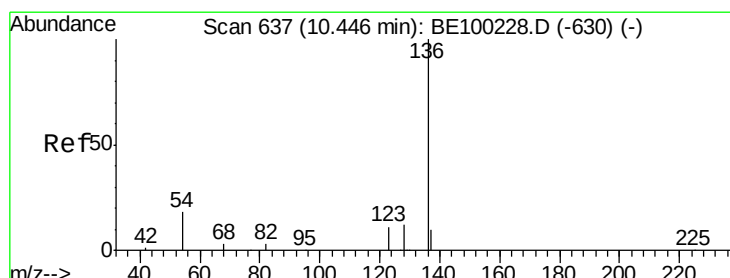
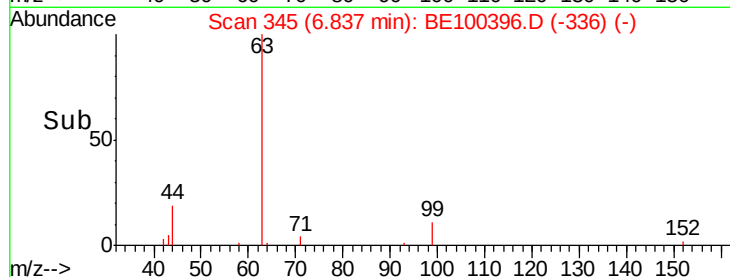
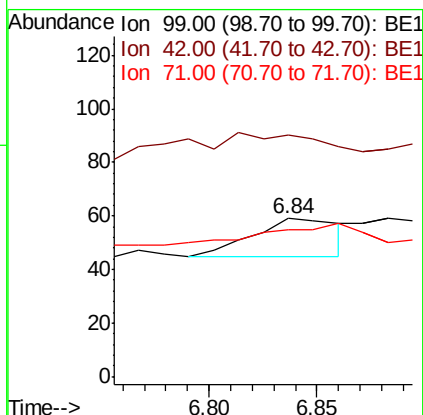
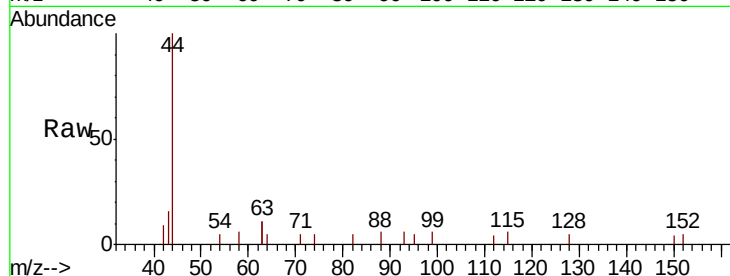
ClientSampleId :

EXT-032-SW172-062519

Tot Ion:	99	Resp:	39
Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.2	16.8#
71	0.0	37.2	55.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

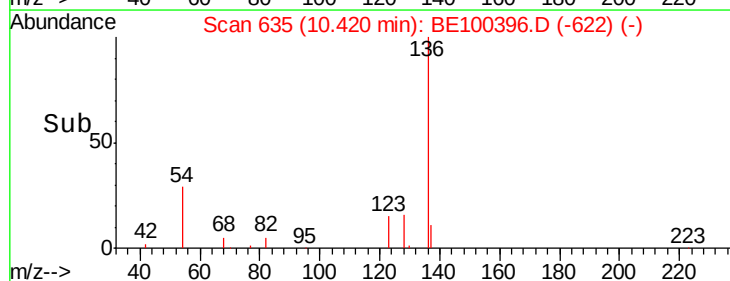
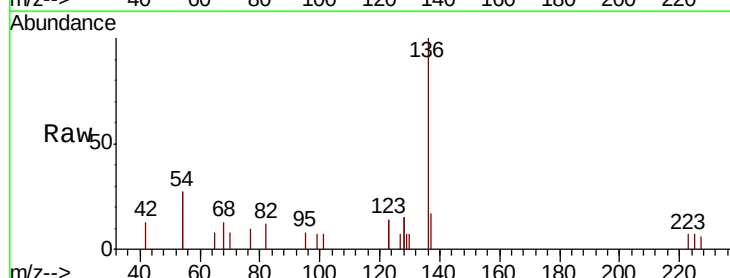
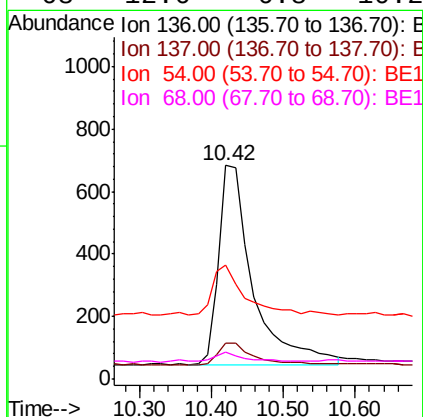
RT: 10.42 min Scan# 635

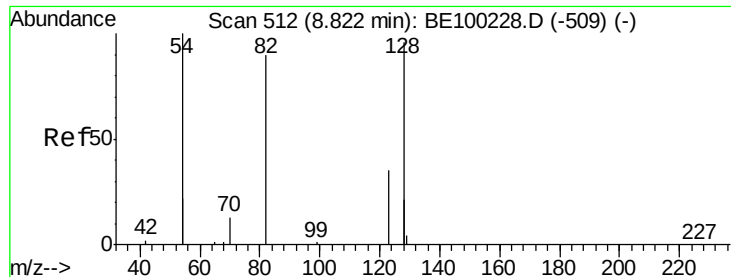
Delta R.T. -0.03 min

Lab File: BE100396.D

Acq: 6 Jul 2019 00:38

Tgt Ion:	136	Resp:	2123
Ion	Ratio	Lower	Upper
136	100		
137	16.5	11.8	17.8
54	53.2	27.7	41.5#
68	12.6	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.031 ng

RT: 8.85 min Scan# 514

Delta R.T. 0.03 min

Lab File: BE100396.D

Acq: 6 Jul 2019 00:38

Instrument :

BNA_E

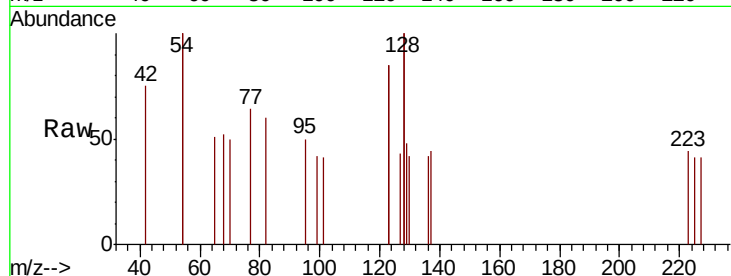
ClientSampleId :

EXT-032-SW172-062519

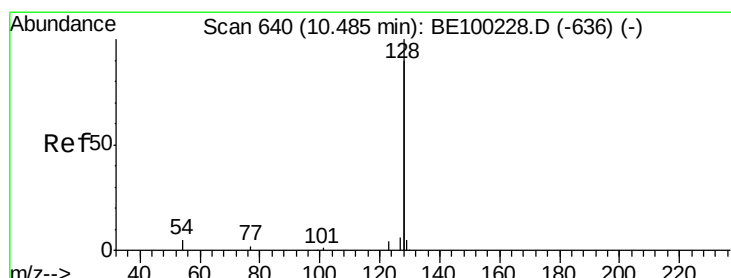
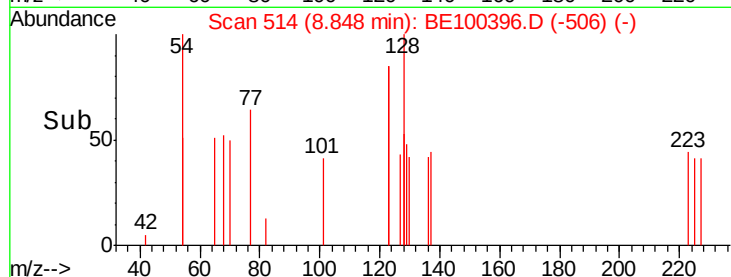
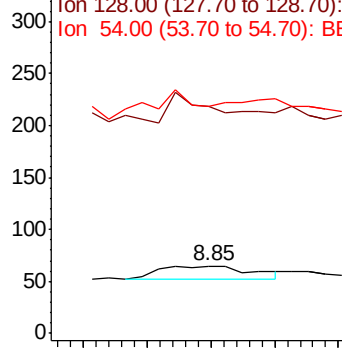
Tot Ion:	82	Resp:	65
Ion	Ratio	Lower	Upper
82	100		
128	335.4	140.9	211.3#
54	335.4	146.2	219.2#

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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: 0.061 ng

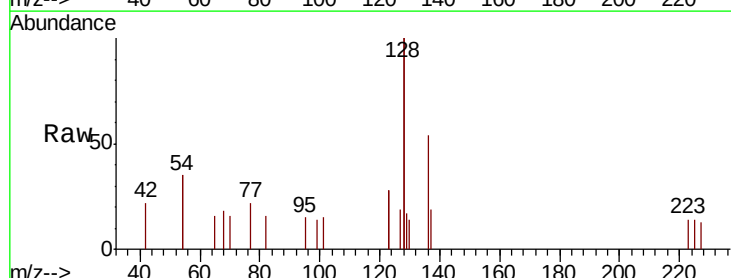
RT: 10.47 min Scan# 639

Delta R.T. -0.01 min

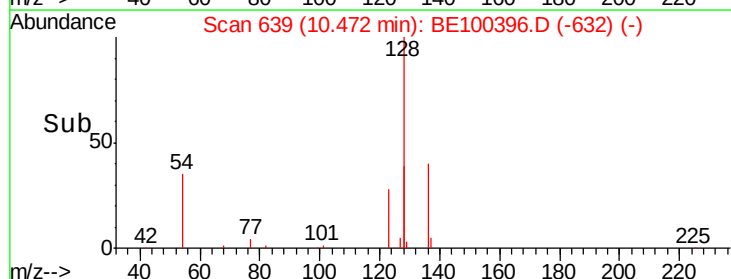
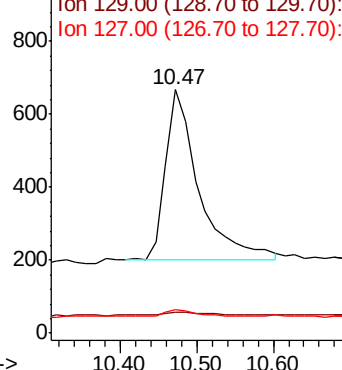
Lab File: BE100396.D

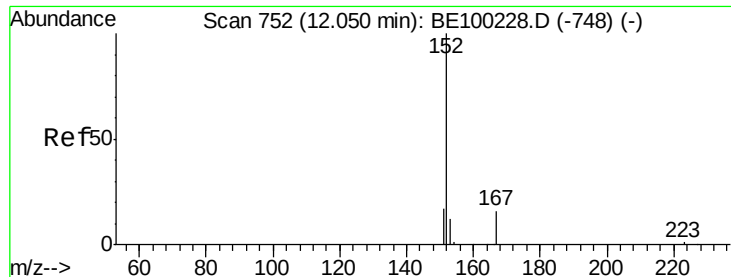
Acq: 6 Jul 2019 00:38

Tgt Ion:	128	Resp:	1420
Ion	Ratio	Lower	Upper
128	100		
129	8.7	3.0	4.6#
127	9.7	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





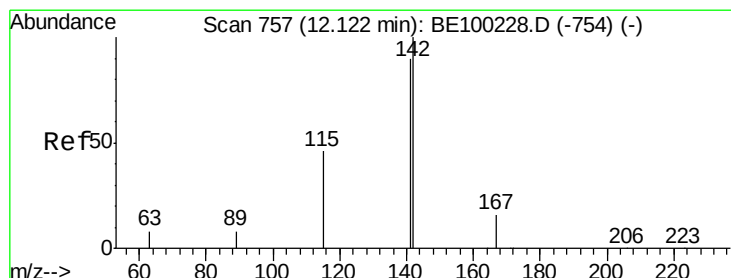
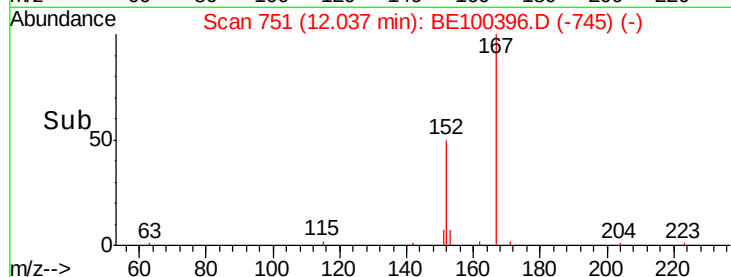
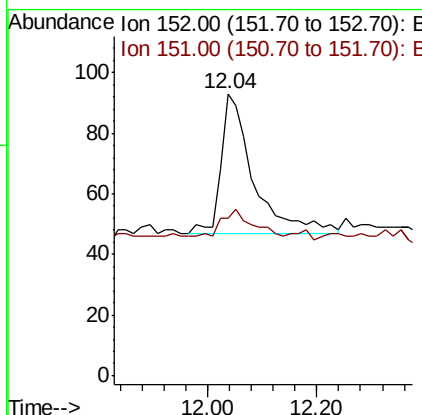
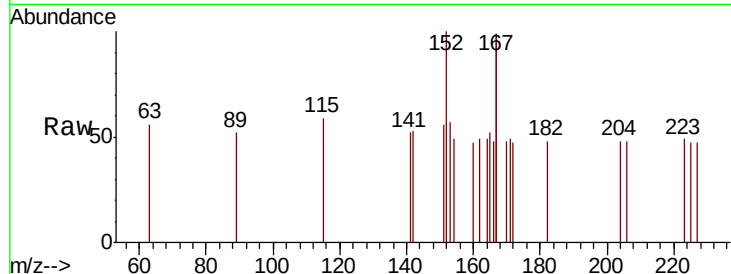
#11
2-Methylnaphthalene-d10
Concen: 0.048 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW172-062519

Tot Ion:152 Resp: 190
Ion Ratio Lower Upper
152 100
151 17.4 15.1 22.7

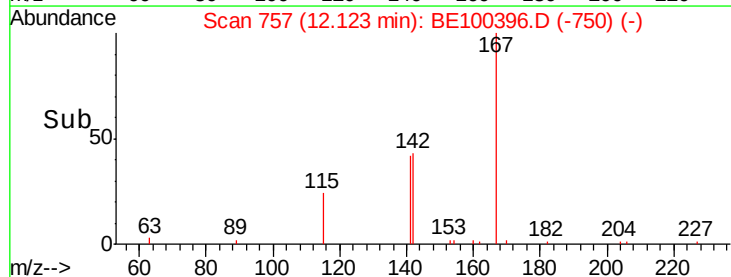
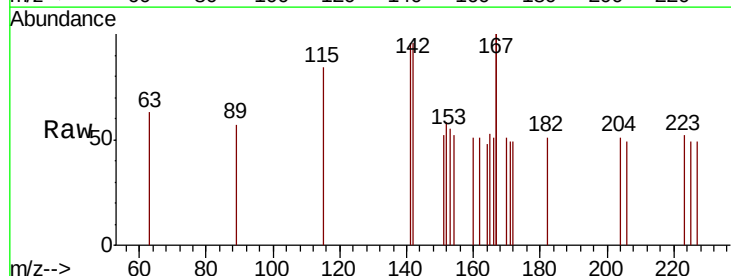
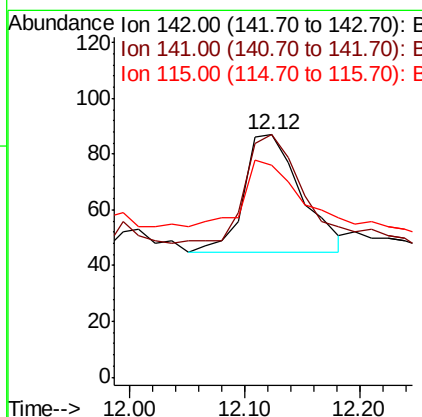
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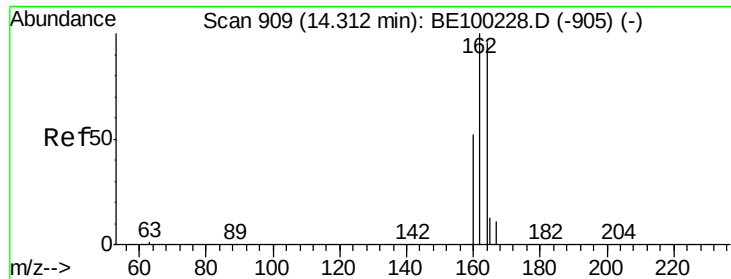
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#12
2-Methylnaphthalene
Concen: 0.035 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Tgt Ion:142 Resp: 144
Ion Ratio Lower Upper
142 100
141 100.0 72.4 108.6
115 87.4 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: BE100396.D

Acq: 6 Jul 2019 00:38

Instrument :

BNA_E

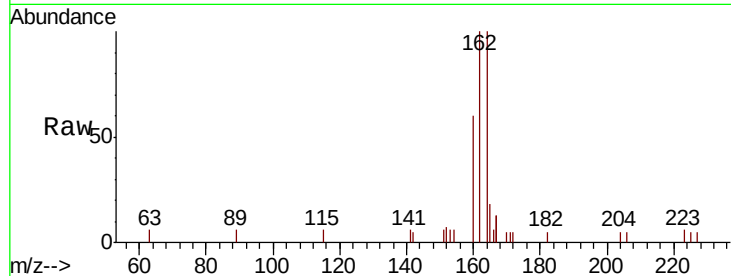
ClientSampleId :

EXT-032-SW172-062519

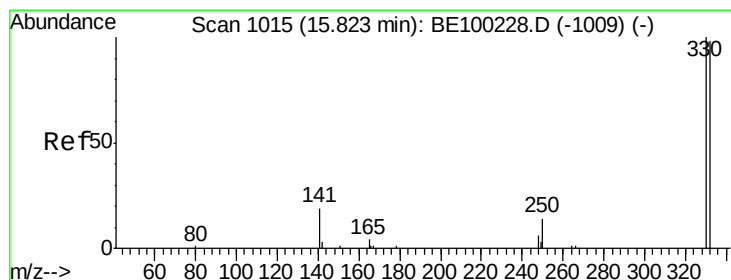
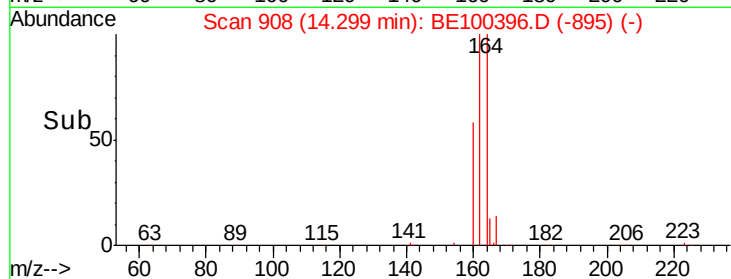
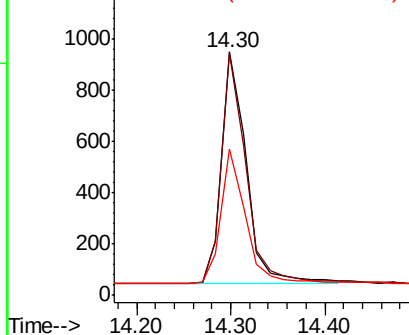
Tot Ion:	164	Resp:	1651
Ion	Ratio	Lower	Upper
164	100		
162	99.7	83.4	125.0
160	60.3	45.0	67.6

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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: 0.047 ng

RT: 15.81 min Scan# 1014

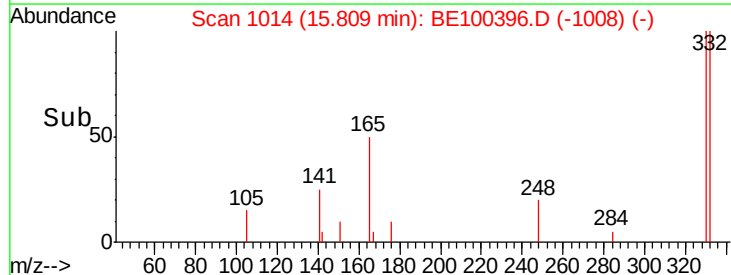
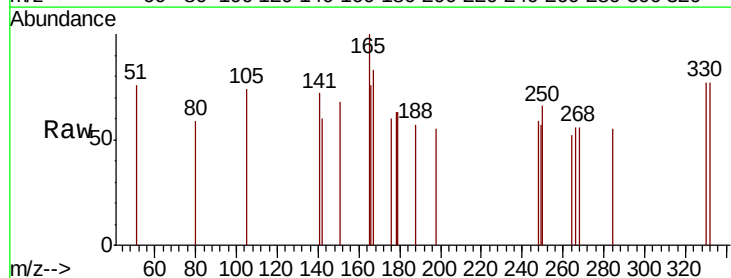
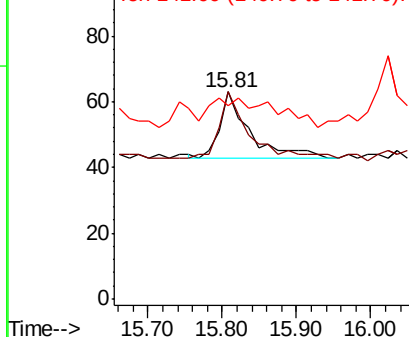
Delta R.T. -0.01 min

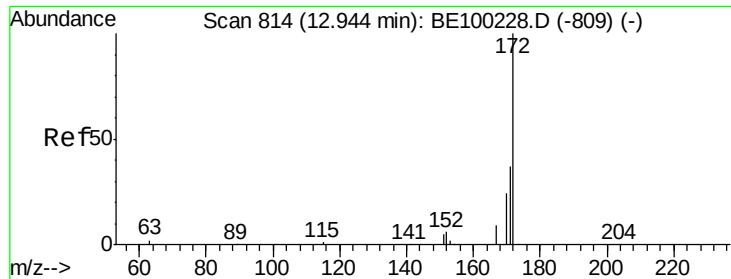
Lab File: BE100396.D

Acq: 6 Jul 2019 00:38

Tgt Ion:	330	Resp:	54
Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.4
141	103.7	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





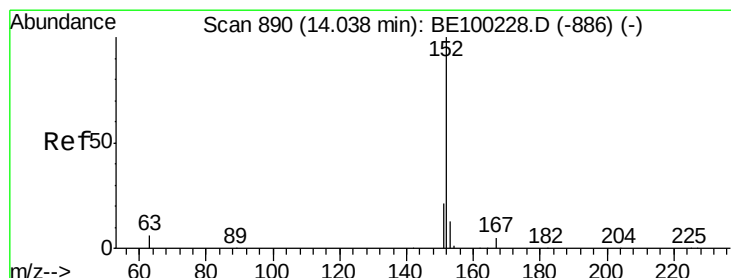
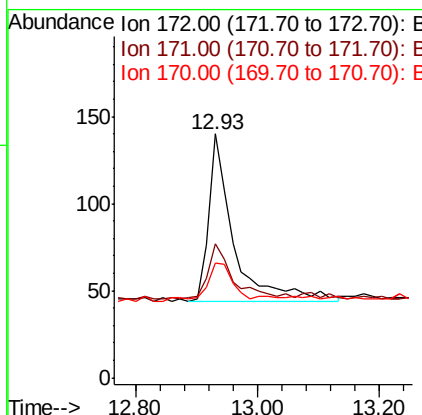
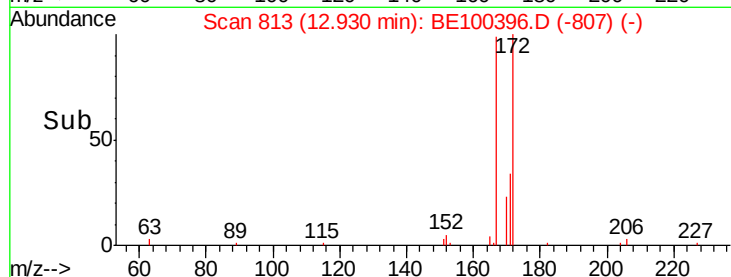
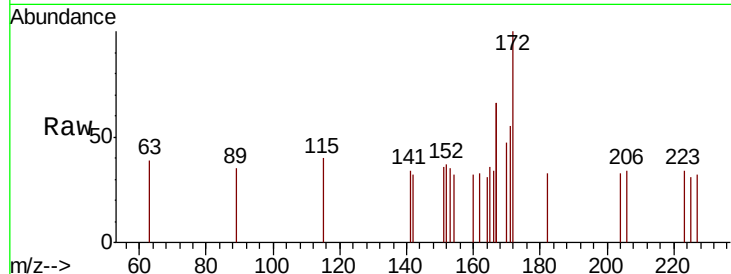
#15
2-Fluorobiphenyl
Concen: 0.042 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW172-062519

Tot Ion	Ratio	Lower	Upper
172	100		
171	55.0	31.9	47.9#
170	47.1	22.2	33.2#

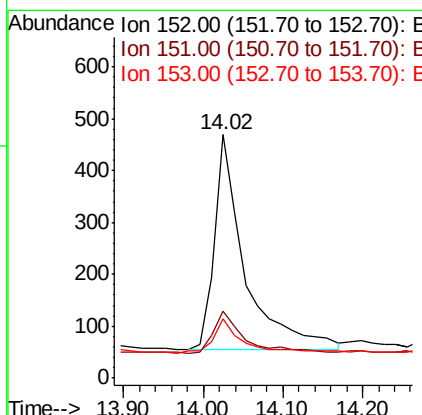
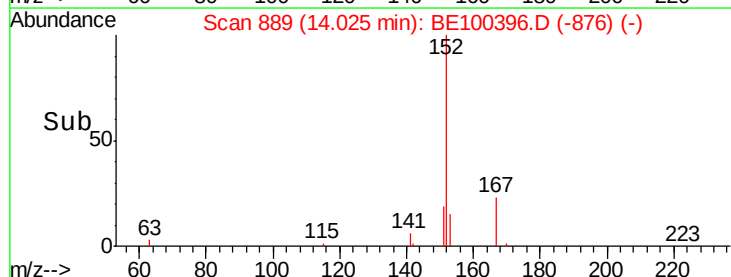
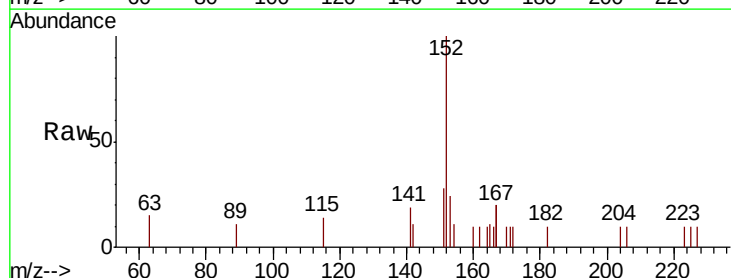
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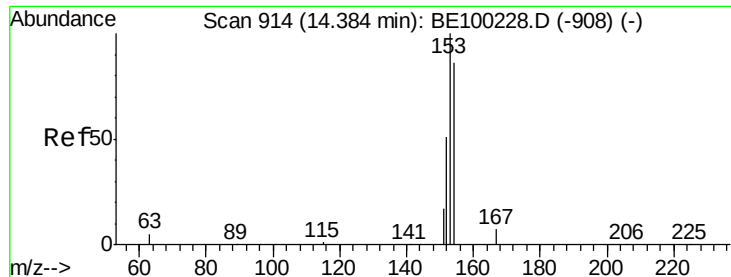
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#16
Acenaphthylene
Concen: 0.140 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.6	25.0
153	15.3	10.5	15.7





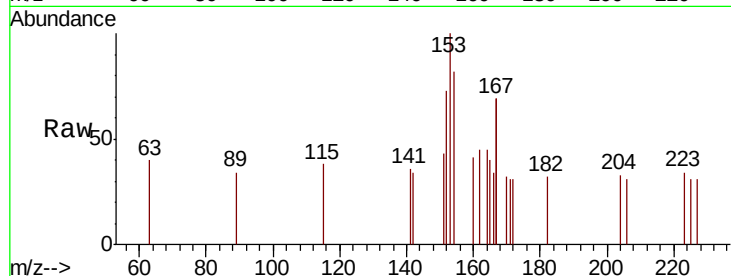
#17
Acenaphthene
Concen: 0.033 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.01 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW172-062519

Tot Ion	Ratio	Lower	Upper
154	100		
153	133.1	93.4	140.2
152	72.3	49.4	74.2

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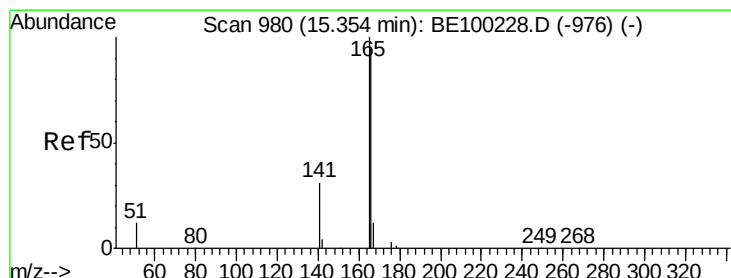
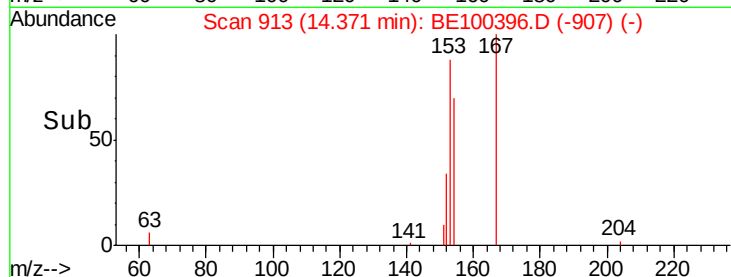
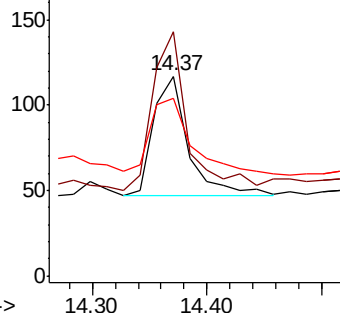


Abundance

Ion 154.00 (153.70 to 154.70): E

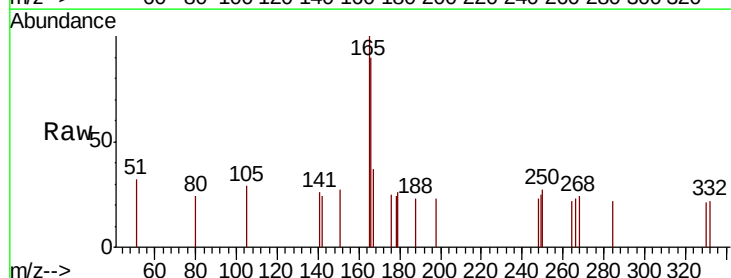
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.047 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	110.3	81.1	121.7
167	17.4	10.7	16.1#

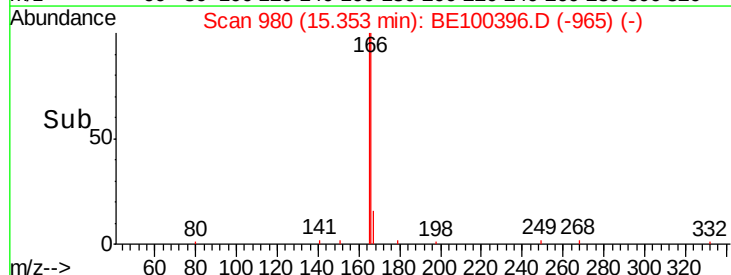
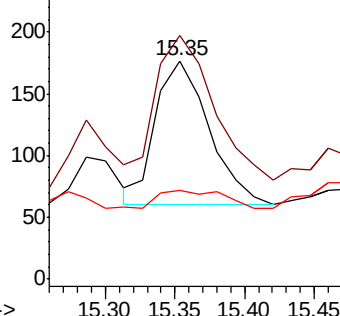


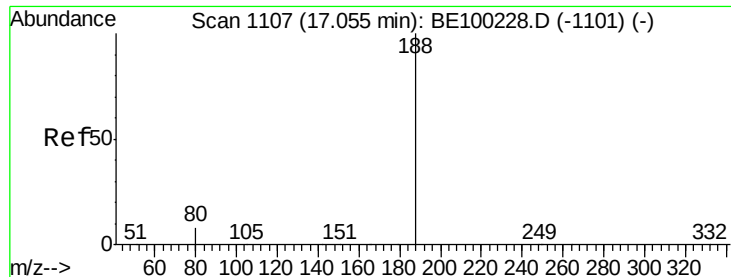
Abundance

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





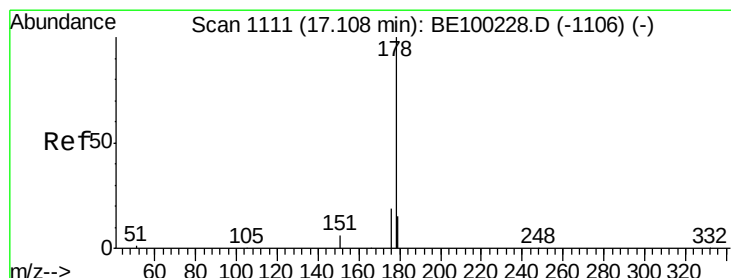
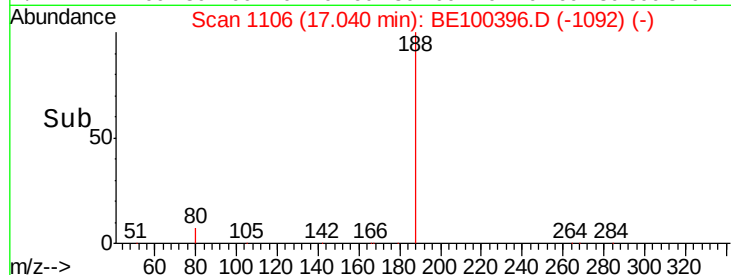
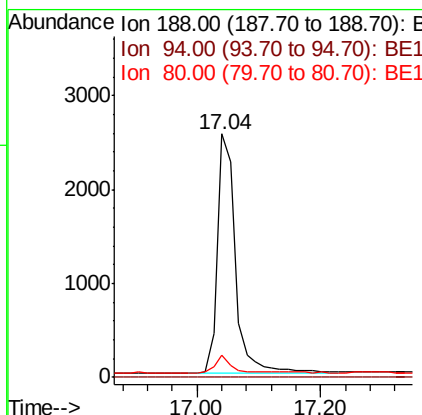
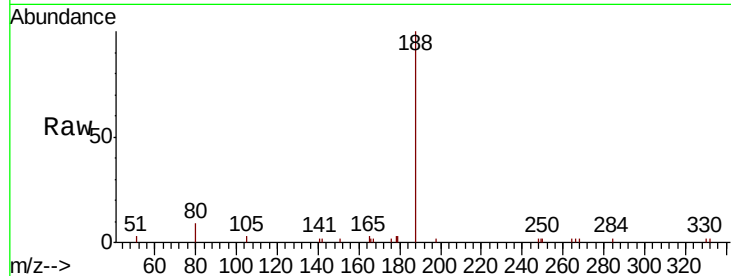
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW172-062519

Tot Ion:	188	Resp:	5117
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.1	7.6	11.4

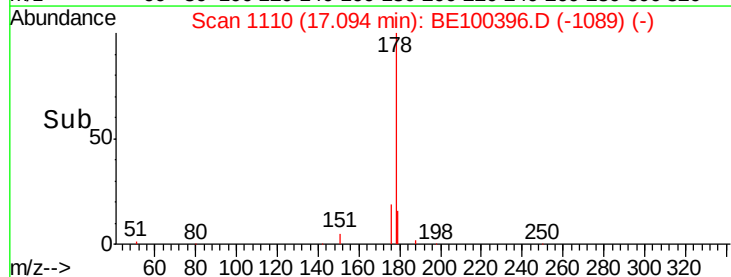
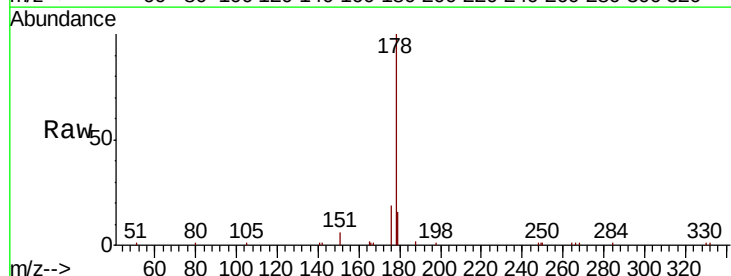
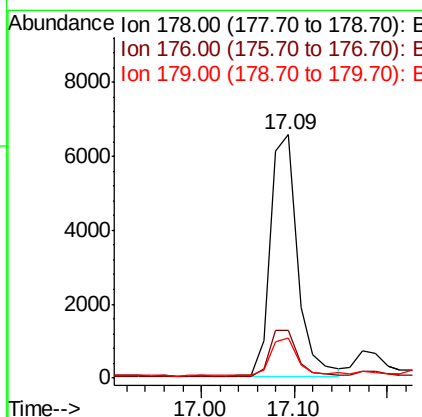
Manual Integrations
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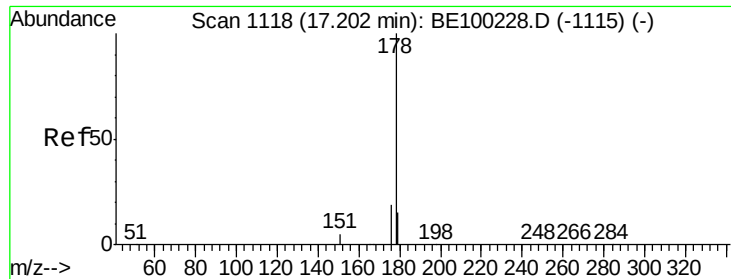
mohammad
7/8/2019 2:14:18 PM



#23
Phenanthrene
Concen: 1.064 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Tgt Ion:	178	Resp:	13199
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.9	23.9
179	16.0	12.2	18.2





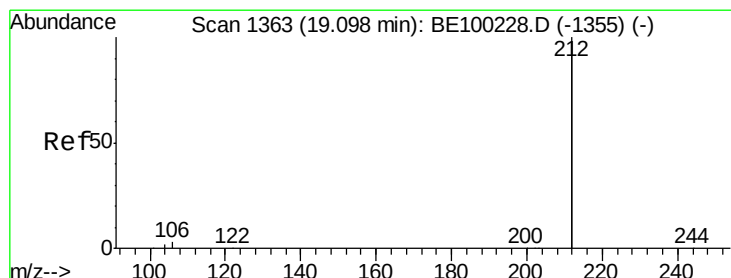
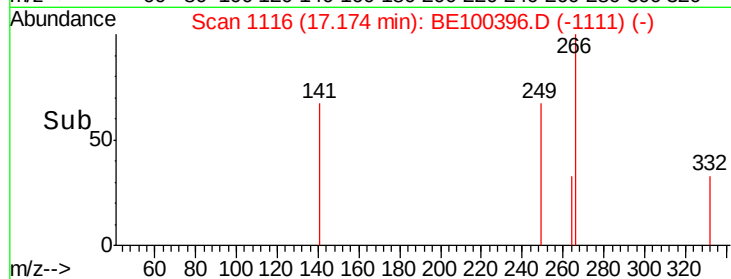
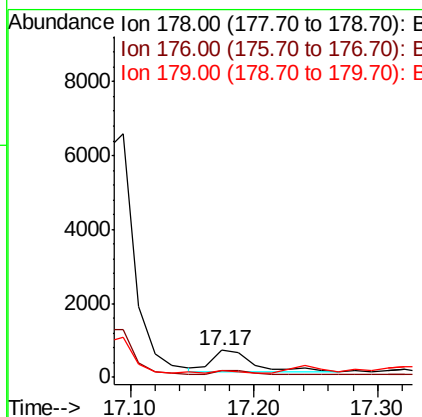
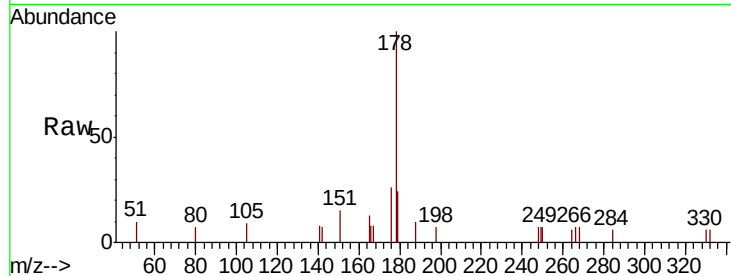
#24
 Anthracene
 Concen: 0.116 ng
 RT: 17.17 min Scan# 1116
 Delta R.T. -0.03 min
 Lab File: BE100396.D
 Acq: 6 Jul 2019 00:38

Instrument :
 BNA_E
 ClientSampleId :
 EXT-032-SW172-062519

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.3	22.9
179	7.1	12.2	18.2

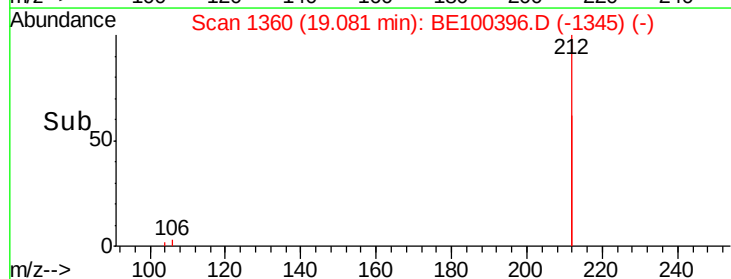
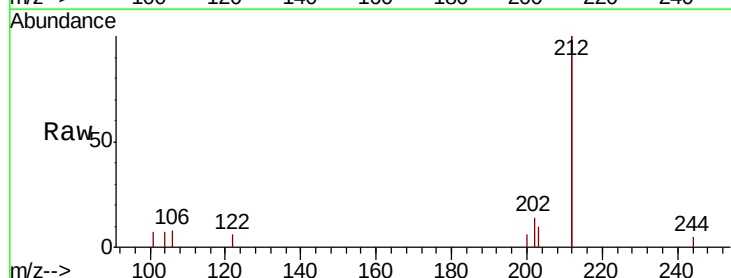
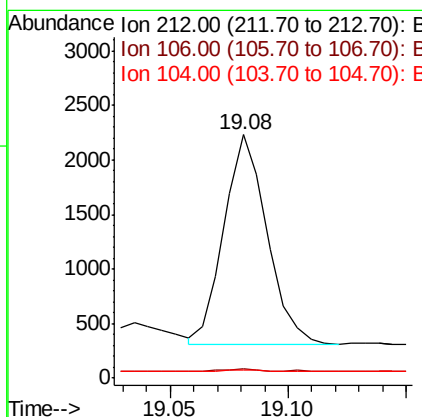
Manual Integrations
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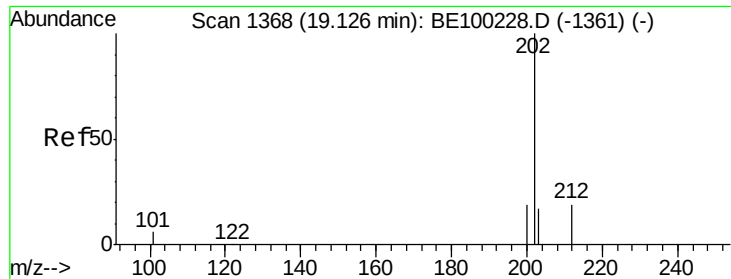
mohammad
 7/8/2019 2:14:18 PM



#25
 Fluoranthene-d10
 Concen: 0.033 ng
 RT: 19.08 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: BE100396.D
 Acq: 6 Jul 2019 00:38

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





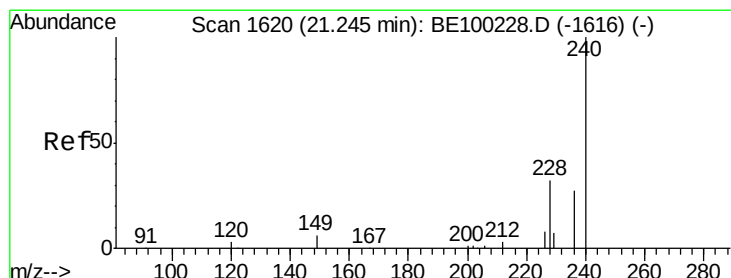
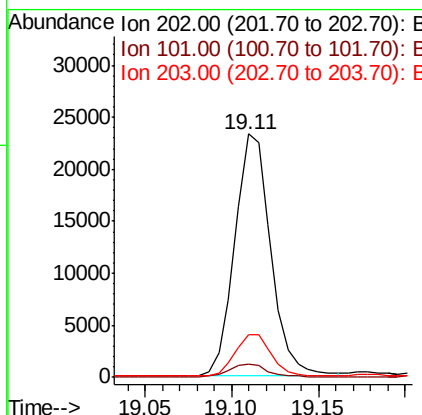
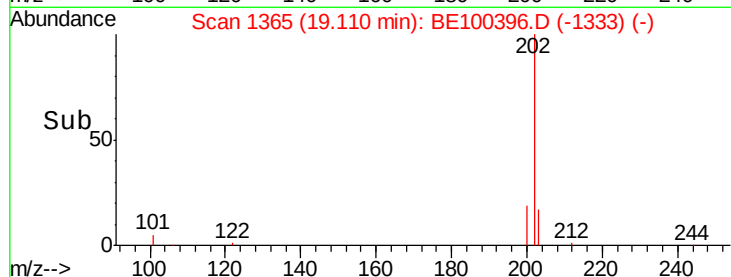
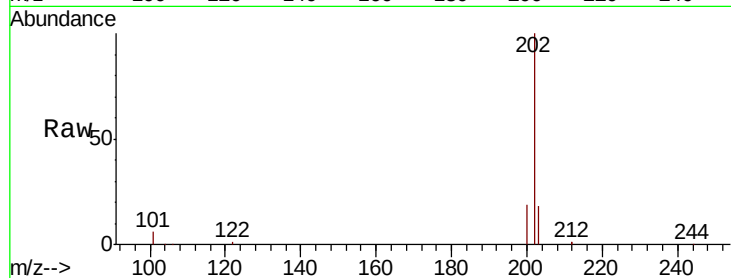
#26
Fluoranthene
Concen: 1.708 ng
RT: 19.11 min Scan# 1365
Delta R.T. -0.02 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW172-062519

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.3	4.6	7.0
203	17.6	13.7	20.5

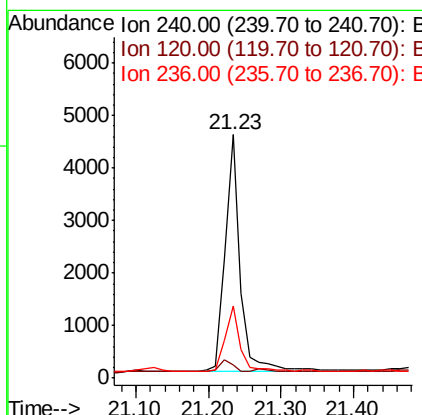
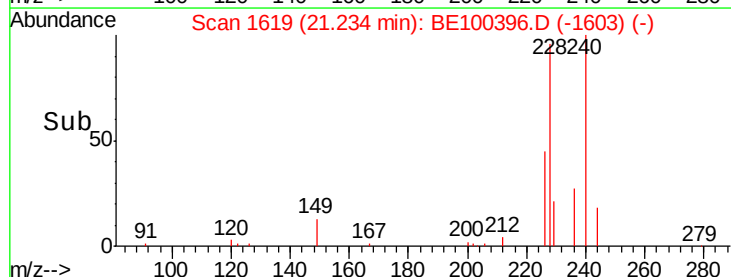
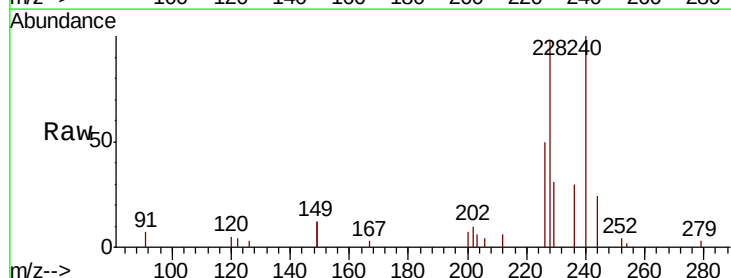
Manual Integrations
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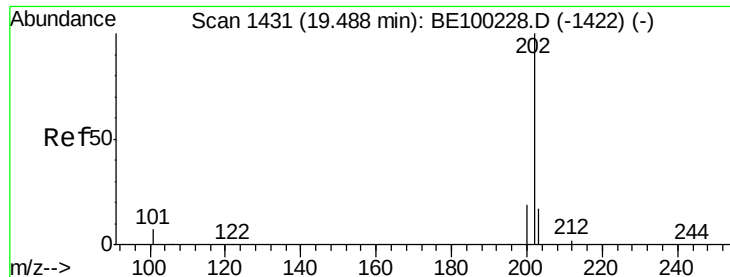
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.23 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.2	3.3	4.9#
236	29.6	22.6	34.0





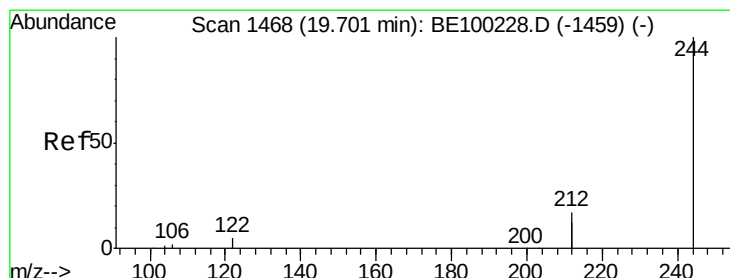
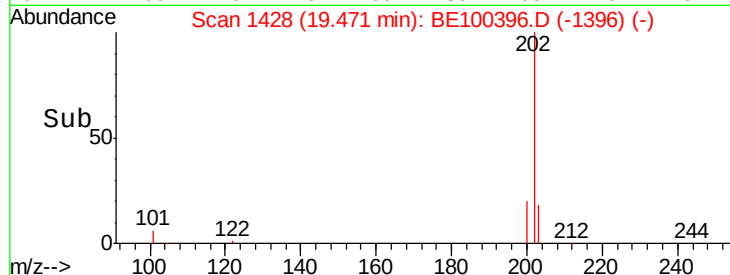
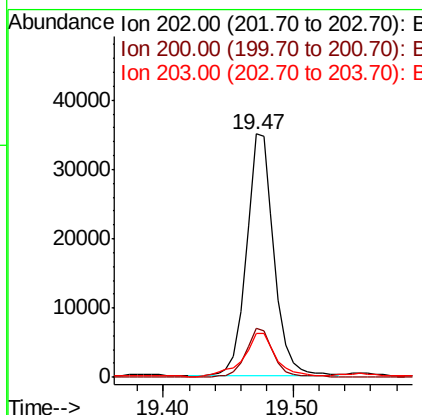
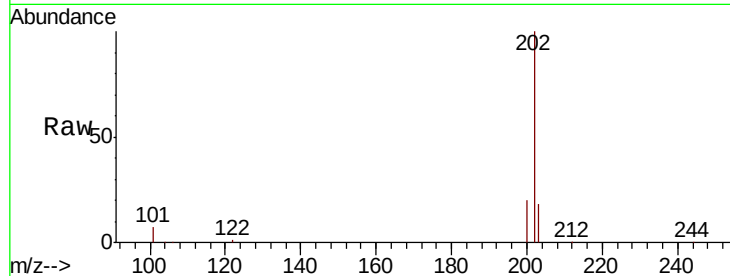
#28
Pvrene
Concen: 2.932 ng
RT: 19.47 min Scan# 1428
Delta R.T. -0.02 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW172-062519

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.8	15.6	23.4	
203	20.7	14.0	21.0	

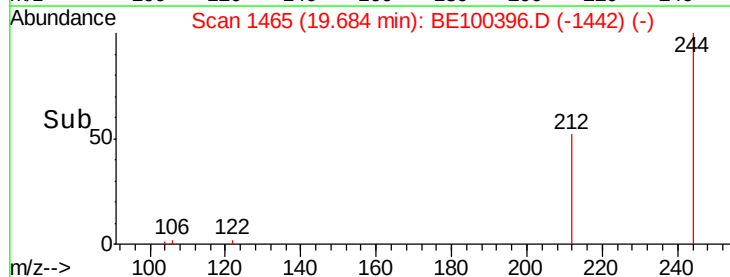
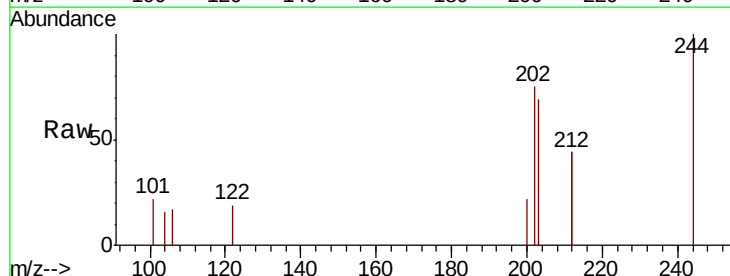
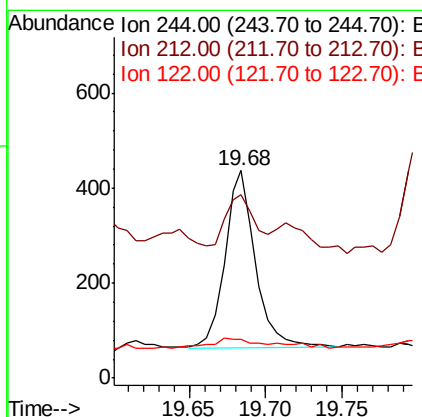
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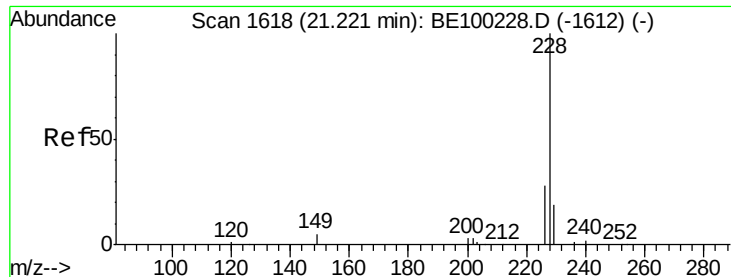
mohammad
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#29
Terphenyl-d14
Concen: 0.038 ng
RT: 19.68 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	88.5	27.3	40.9#	
122	19.0	4.7	7.1#	





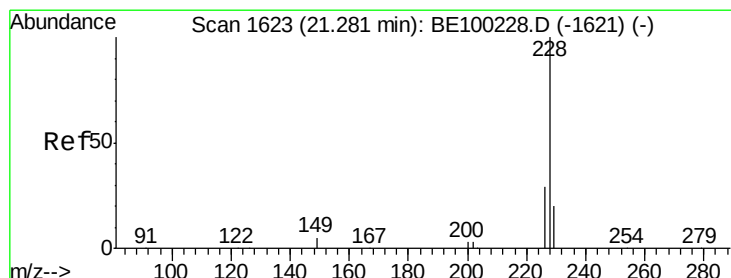
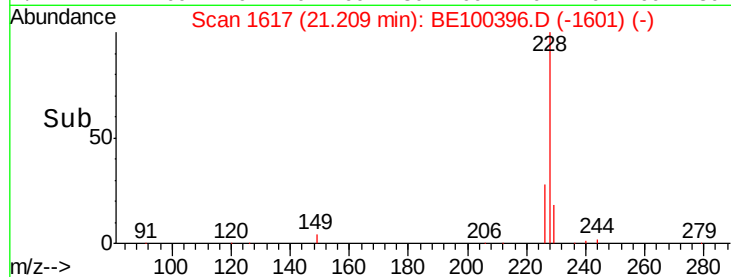
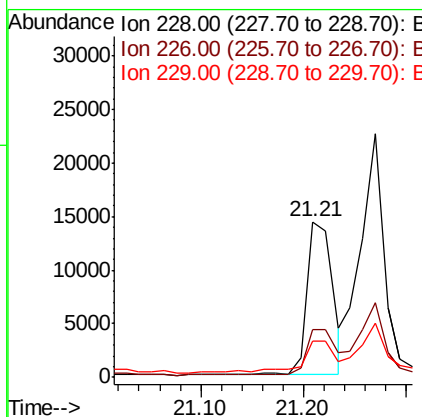
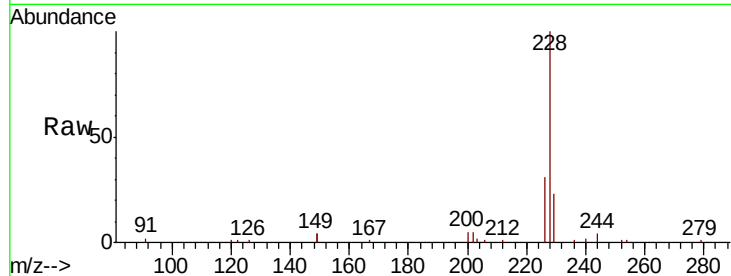
#30
Benzo(a)anthracene
Concen: 1.142 ng
RT: 21.21 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW172-062519

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.2	34.8
229	23.1	15.7	23.5

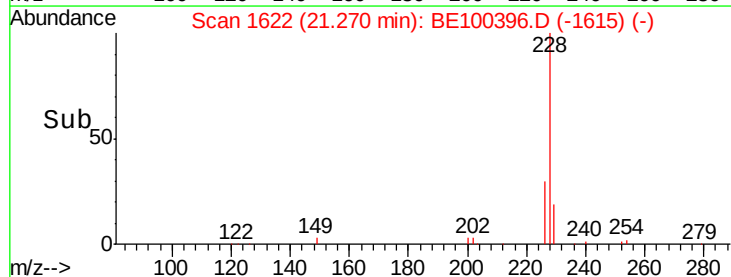
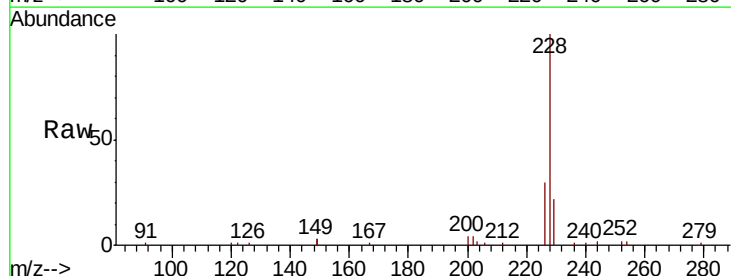
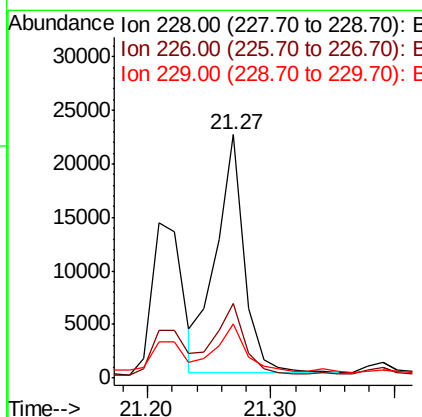
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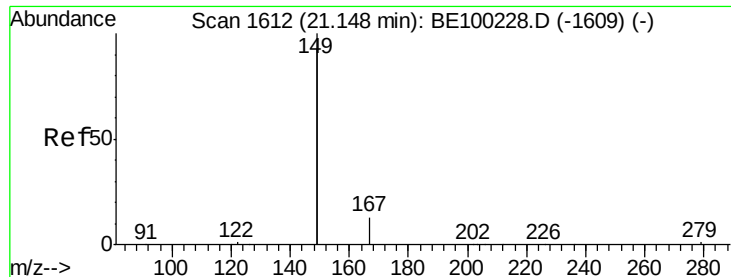
mohammad
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#31
Chrysene
Concen: 1.611 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.9	35.9
229	22.3	16.5	24.7





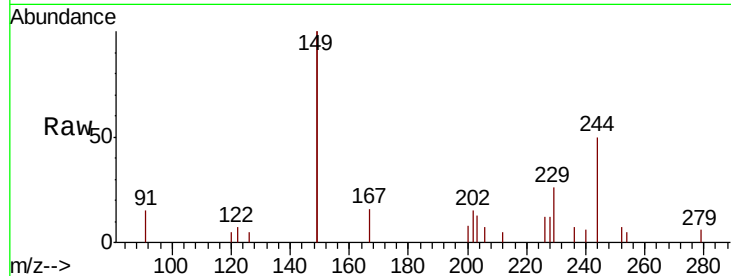
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.067 ng
 RT: 21.14 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BE100396.D
 Acq: 6 Jul 2019 00:38

Instrument :
 BNA_E
 ClientSampleId :
 EXT-032-SW172-062519

Tot Ion	Ratio	Lower	Upper
149	100		
167	8.3	5.8	8.8
279	2.0	1.1	1.7#

Manual Integrations
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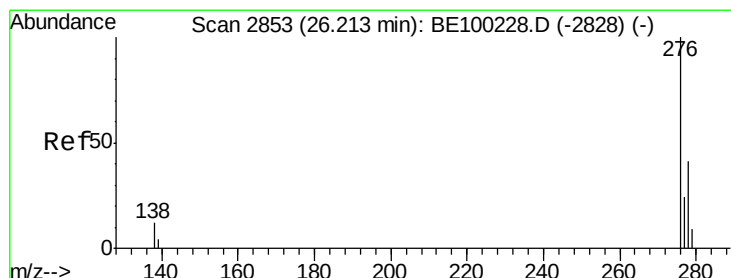
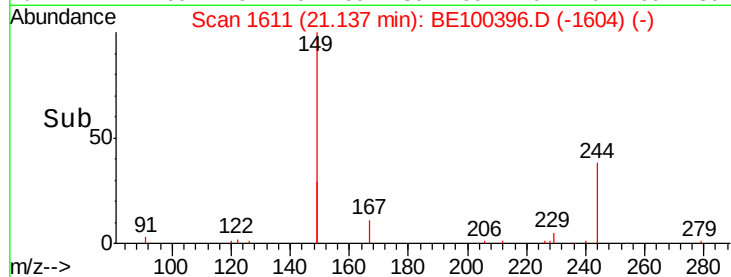
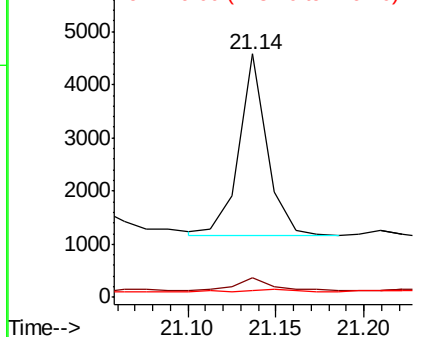


Abundance

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: 0.519 ng
 RT: 26.20 min Scan# 2848
 Delta R.T. -0.02 min
 Lab File: BE100396.D
 Acq: 6 Jul 2019 00:38

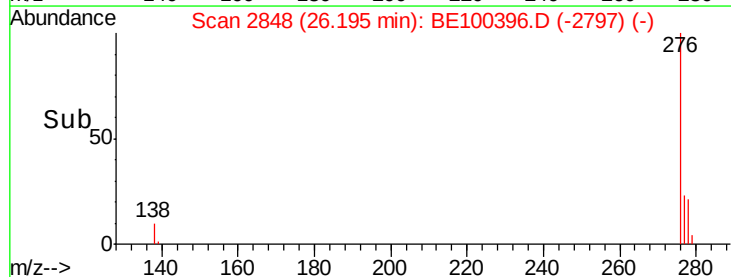
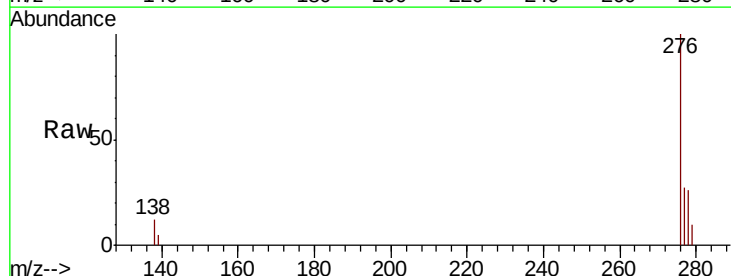
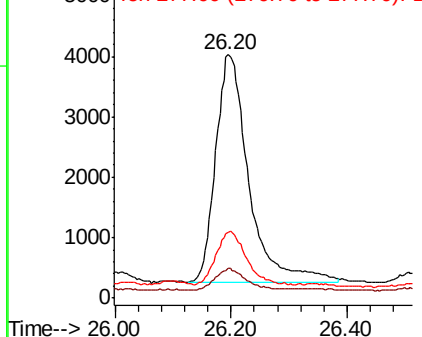
Tgt Ion	Ratio	Lower	Upper
276	100		
138	8.3	9.4	14.0#
277	20.8	19.2	28.8

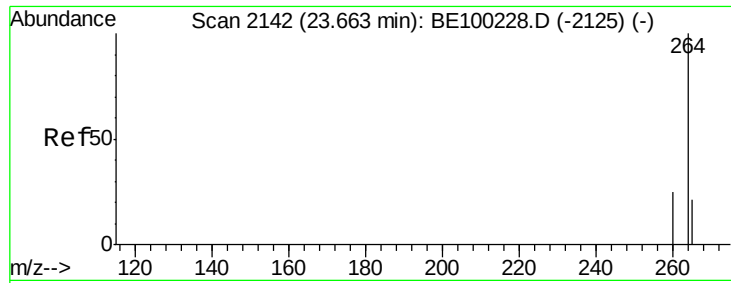
Abundance

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





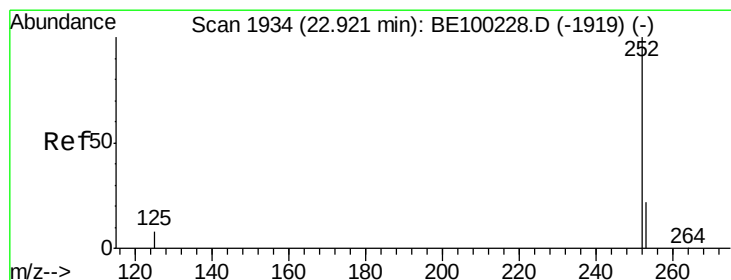
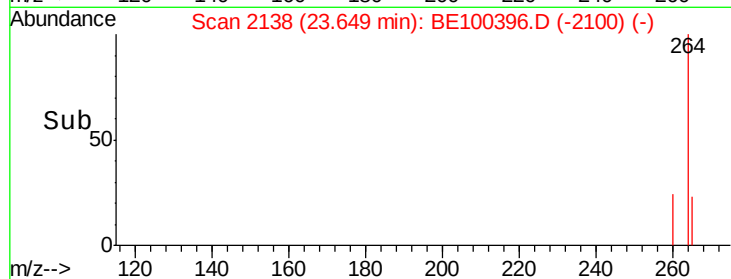
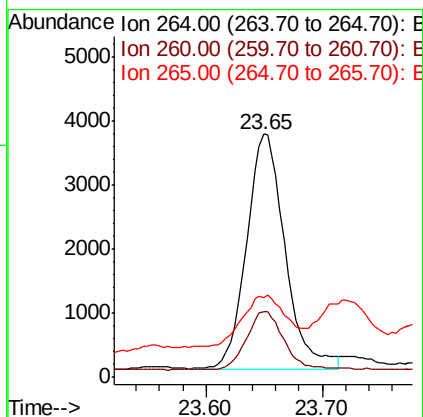
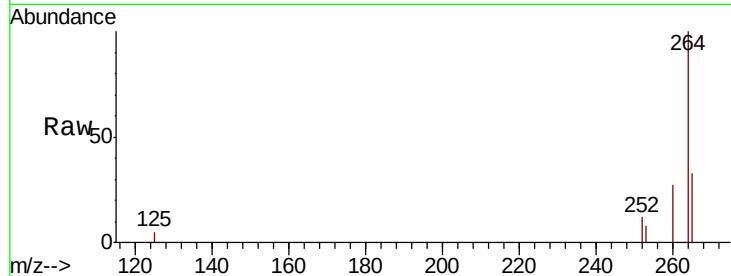
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.65 min Scan# 2138
 Delta R.T. -0.01 min
 Lab File: BE100396.D
 Acq: 6 Jul 2019 00:38

Instrument :
 BNA_E
 ClientSampleId :
 EXT-032-SW172-062519

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.7	20.8	31.2
265	32.7	21.8	32.6

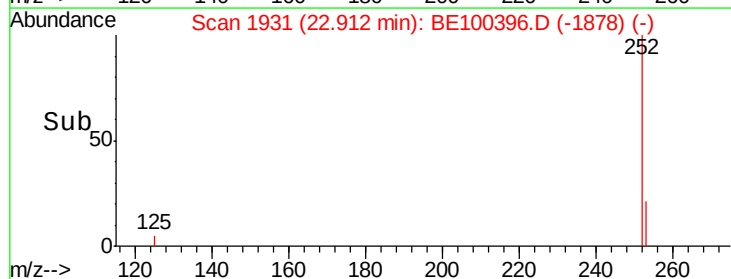
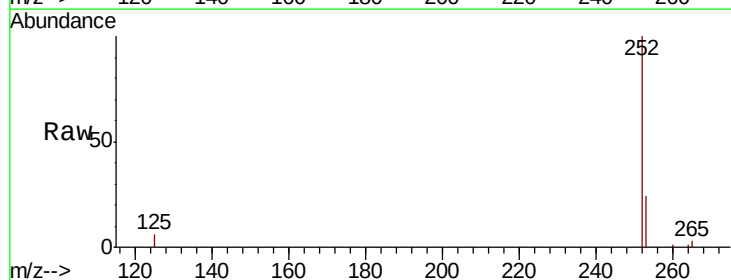
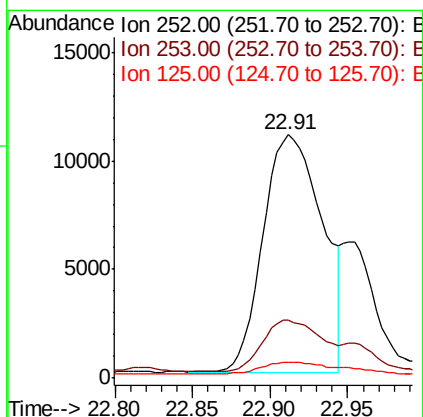
Manual Integrations
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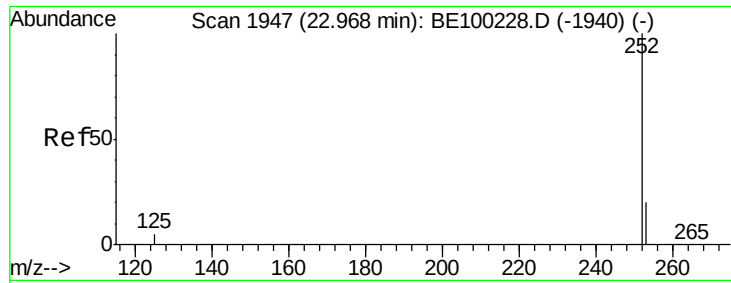
mohammad
 7/8/2019 2:14:18 PM



#35
 Benzo(b)fluoranthene
 Concen: 1.271 ng
 RT: 22.91 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: BE100396.D
 Acq: 6 Jul 2019 00:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.2	28.8
125	6.3	7.4	11.0





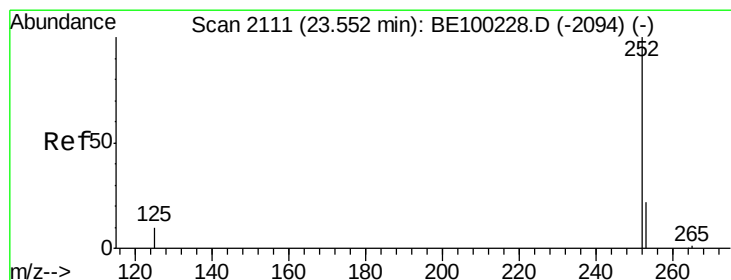
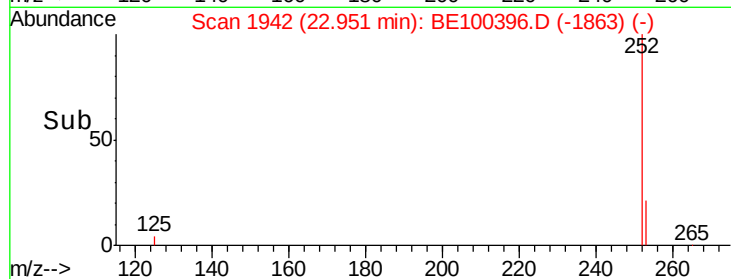
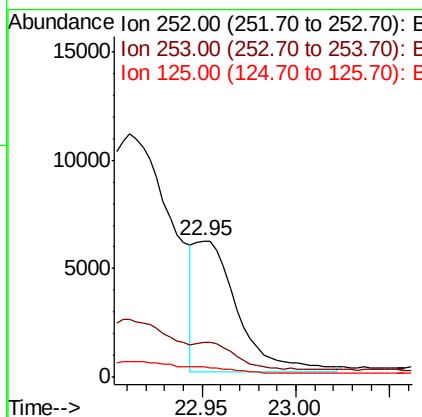
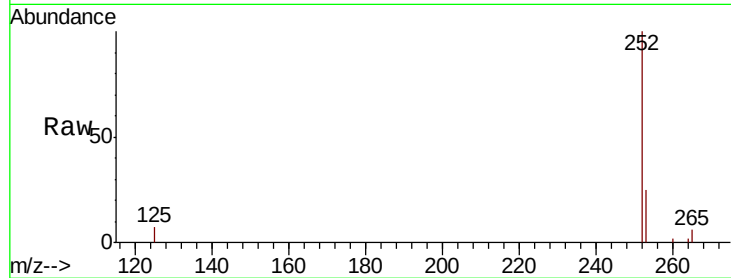
#36
Benzo(k)fluoranthene
Concen: 0.374 ng m
RT: 22.95 min Scan# 1942
Delta R.T. -0.02 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW172-062519

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	7.4	5.0	7.4

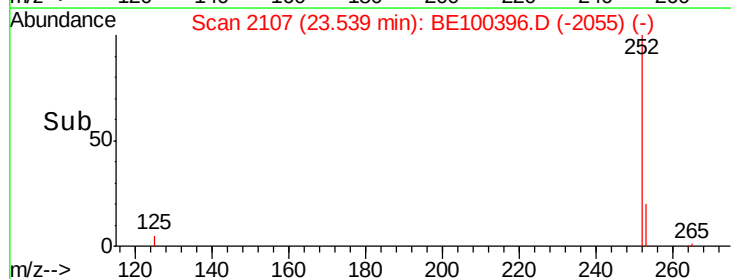
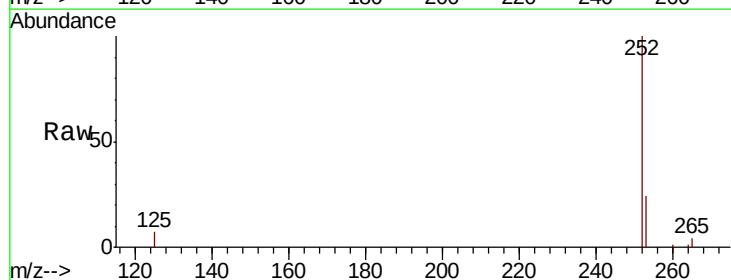
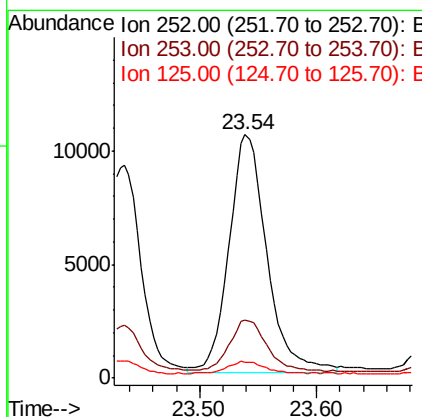
Manual Integrations
APPROVED

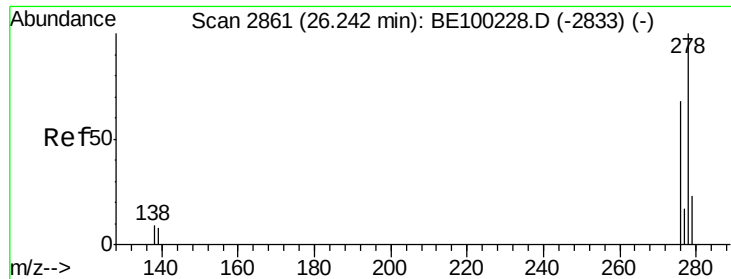
mohammad
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#37
Benzo(a)pyrene
Concen: 1.041 ng m
RT: 23.54 min Scan# 2107
Delta R.T. -0.01 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.6	29.4
125	6.6	9.0	13.6





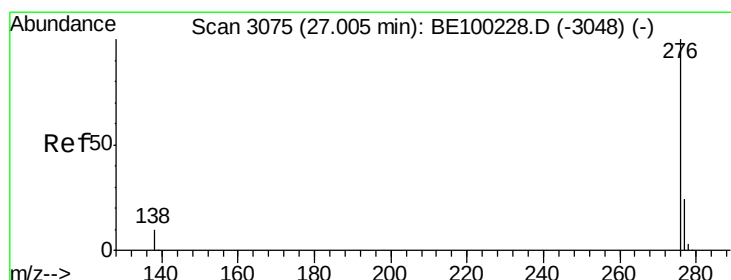
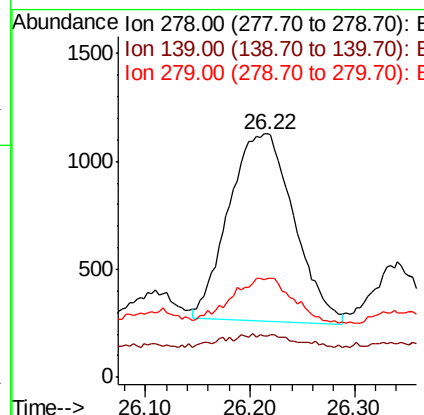
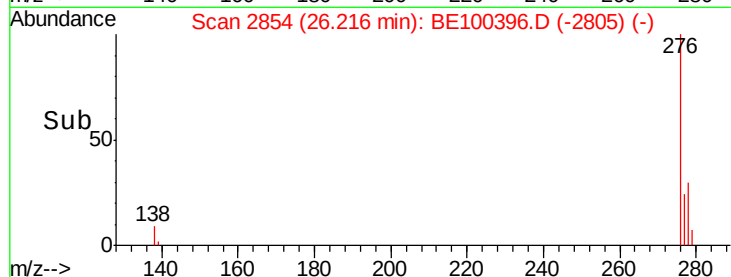
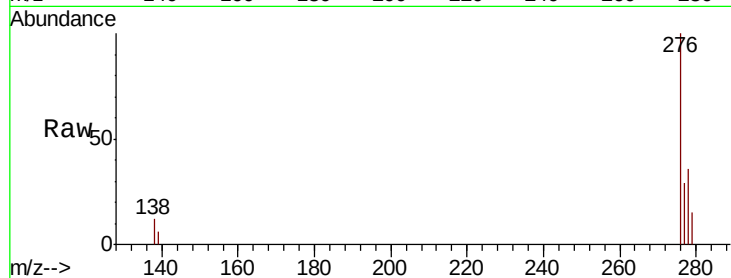
#38
Dibenzo(a,h)anthracene
Concen: 0.158 ng
RT: 26.22 min Scan# 2854
Delta R.T. -0.03 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Instrument :
BNA_E
ClientSampleId :
EXT-032-SW172-062519

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.0	8.2	12.2#
279	40.5	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/8/2019 2:14:18 PM



#39
Benzo(g,h,i)perylene
Concen: 0.714 ng
RT: 26.99 min Scan# 3072
Delta R.T. -0.01 min
Lab File: BE100396.D
Acq: 6 Jul 2019 00:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	20.2	30.2
138	11.5	9.0	13.6

