

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
 Data File : BE100246.D
 Acq On : 28 Jun 2019 22:03
 Operator : JU/SJ
 Sample : K3445-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-029-SW170-061719

Manual Integrations
 APPROVED

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Quant Time: Jun 29 01:00:28 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	7.64	152	754	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	2679	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2095	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6263	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8361	0.40	ng	0.00
34) Perylene-d12	23.67	264	9849	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.21	112	536	0.28	ng	0.00
5) Phenol-d6	6.83	99	711	0.28	ng	-0.01
8) Nitrobenzene-d5	8.81	82	721	0.27	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1885	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	439	0.30	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	2125	0.26	ng	0.00
25) Fluoranthene-d10	19.09	212	31745	0.35	ng	0.00
29) Terphenyl-d14	19.70	244	4510	0.26	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	3140	0.106	ng	# 96
12) 2-Methylnaphthalene	12.12	142	539	0.104	ng	96
16) Acenaphthylene	14.04	152	3348	0.333	ng	95
17) Acenaphthene	14.39	154	286	0.050	ng	# 87
18) Fluorene	15.35	166	870	0.103	ng	# 82
23) Phenanthrene	17.09	178	19934	1.313	ng	99
24) Anthracene	17.19	178	2617	0.191	ng	# 95
26) Fluoranthene	19.13	202	40341	1.668	ng	99
28) Pyrene	19.49	202	50064	2.262	ng	96
30) Benzo(a)anthracene	21.23	228	26245m	0.955	ng	
31) Chrysene	21.28	228	33405	1.210	ng	96
32) Bis(2-ethylhexyl)phthalate	21.15	149	21103	0.486	ng	100
33) Indeno(1,2,3-cd)pyrene	26.22	276	17171	0.470	ng	97
35) Benzo(b)fluoranthene	22.93	252	34262	1.283	ng	98
36) Benzo(k)fluoranthene	22.97	252	10803m	0.362	ng	
37) Benzo(a)pyrene	23.56	252	24890	0.930	ng	# 97
38) Dibenzo(a,h)anthracene	26.24	278	4903	0.175	ng	# 72
39) Benzo(a,h,i)perylene	27.01	276	18839	0.656	ng	97

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

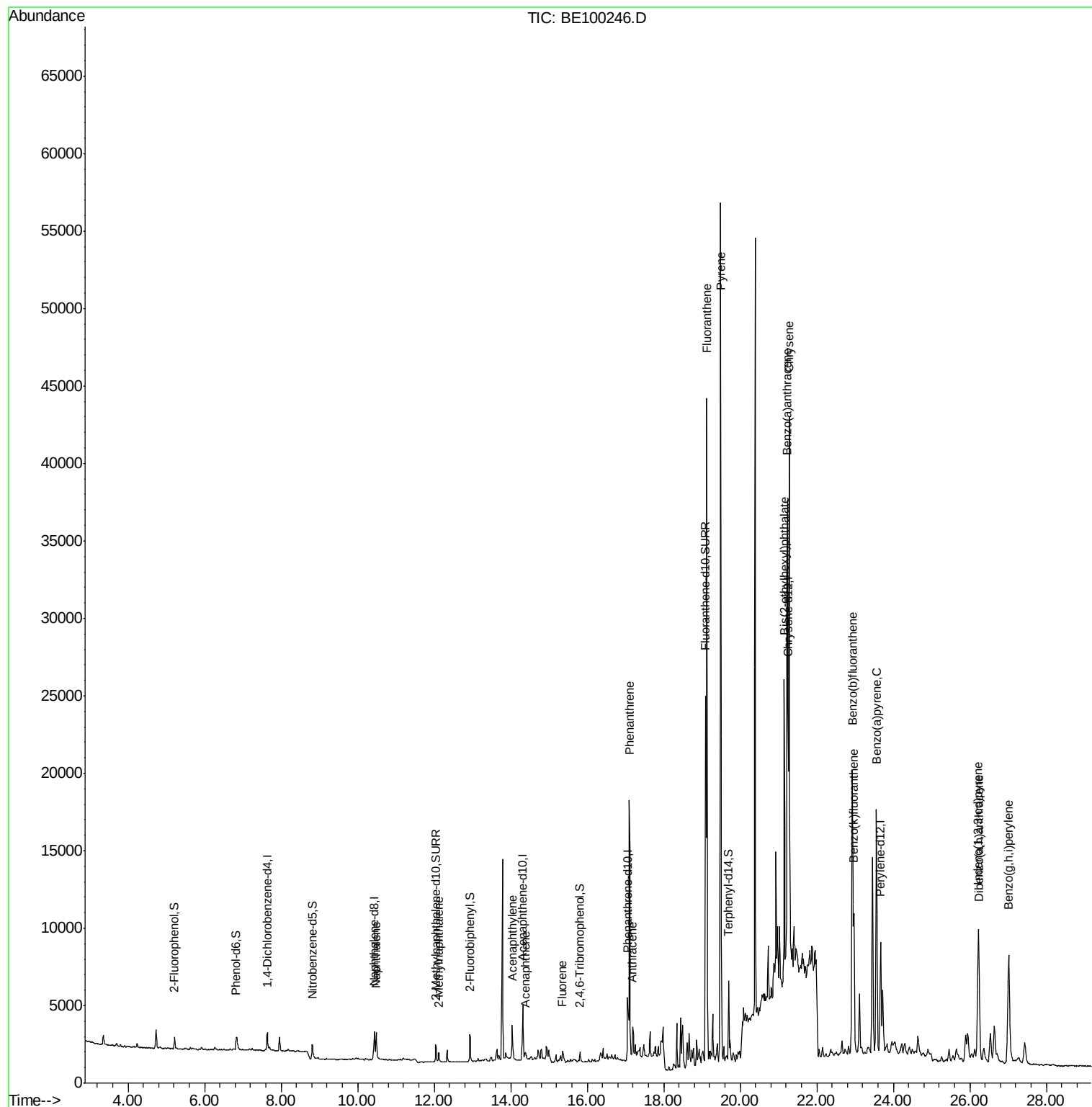
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
Data File : BE100246.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

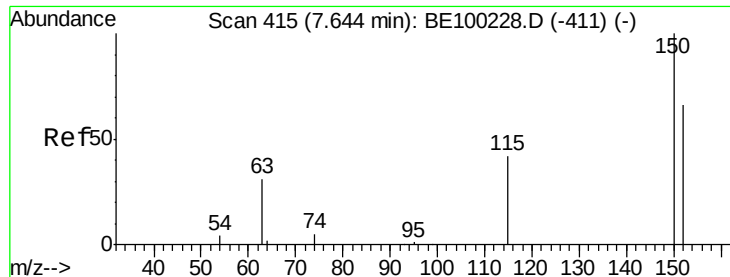
Instrument :
BNA_E
ClientSampleId :
EXT-029-SW170-061719

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#1

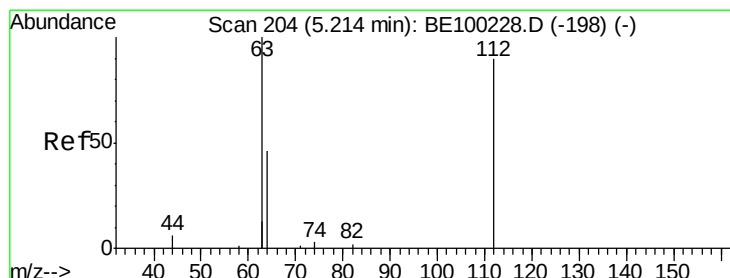
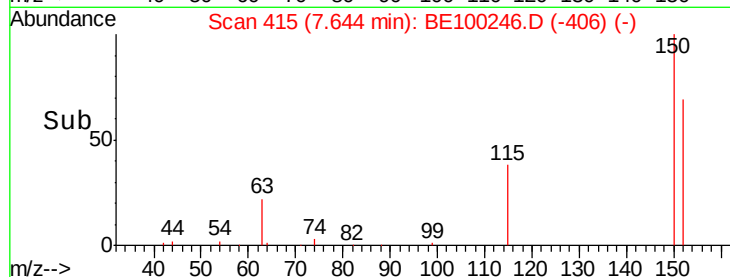
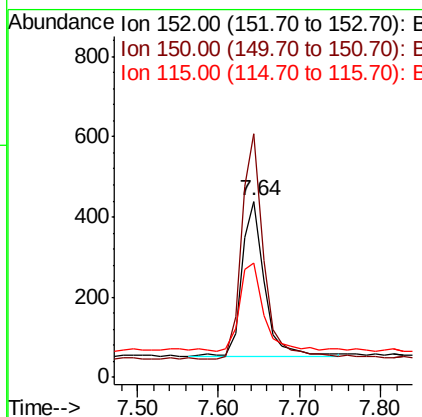
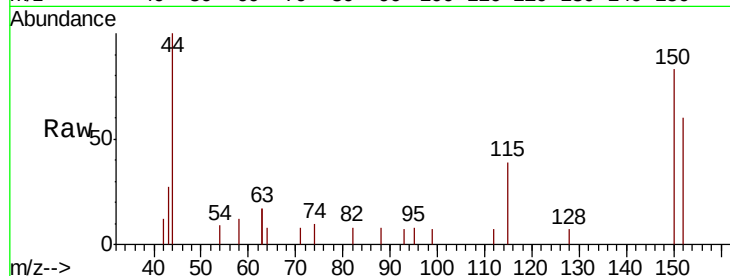
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.64 min Scan# 415
 Delta R.T. 0.00 min
 Lab File: BE100246.D
 Acq: 28 Jun 2019 22:03

Instrument :
 BNA_E
 ClientSampleId :
 EXT-029-SW170-061719

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.0	114.5	171.7
115	64.5	57.1	85.7

Manual Integrations
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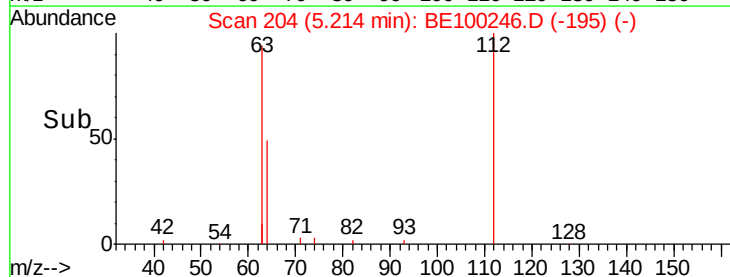
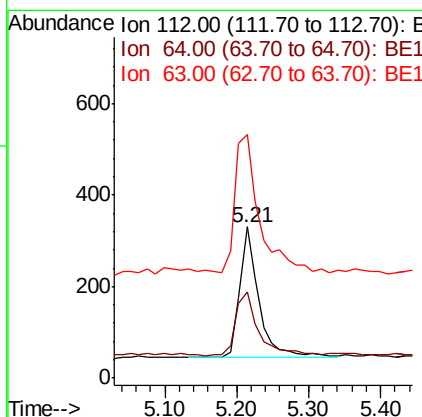
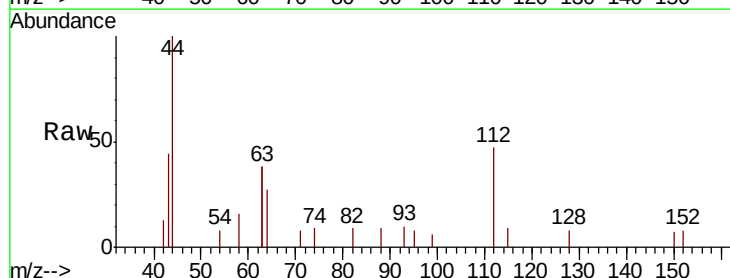
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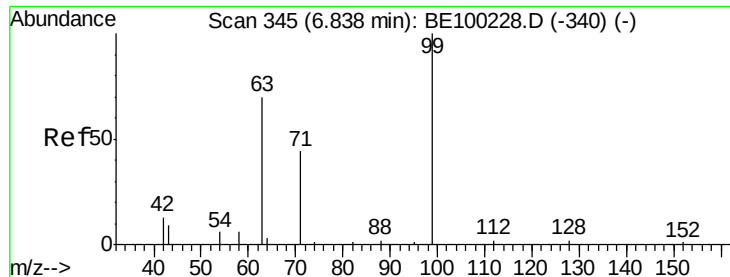


#4

2-Fluorophenol
 Concen: 0.279 ng
 RT: 5.21 min Scan# 204
 Delta R.T. 0.00 min
 Lab File: BE100246.D
 Acq: 28 Jun 2019 22:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	39.4	59.0
63	133.0	104.5	156.7





#5

Phenol-d6

Concen: 0.281 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100246.D

Acq: 28 Jun 2019 22:03

Instrument :

BNA_E

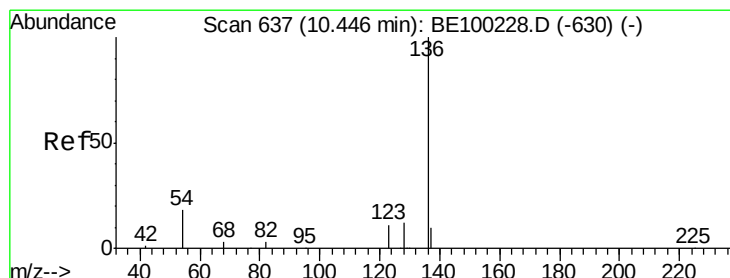
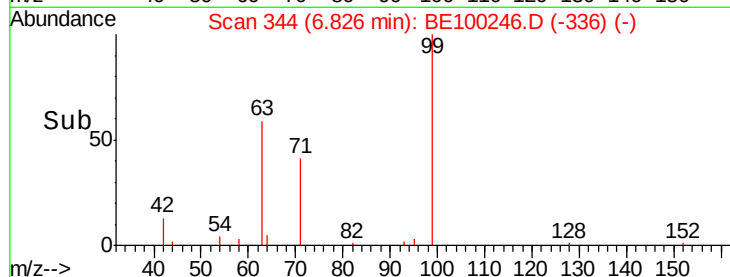
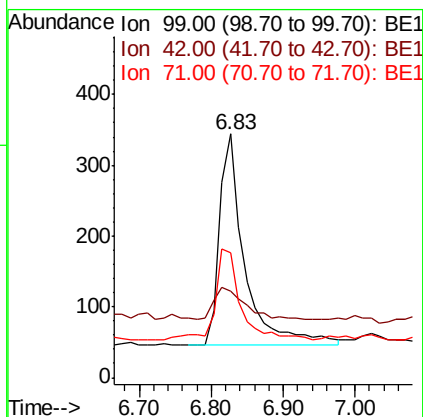
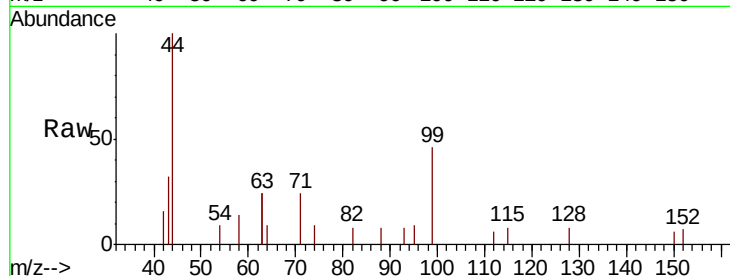
ClientSampleId :

EXT-029-SW170-061719

Tot Ion:	99	Resp:	711
Ion	Ratio	Lower	Upper
99	100		
42	19.0	11.2	16.8#
71	42.1	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

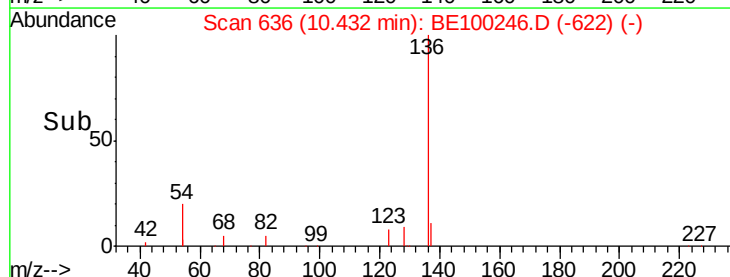
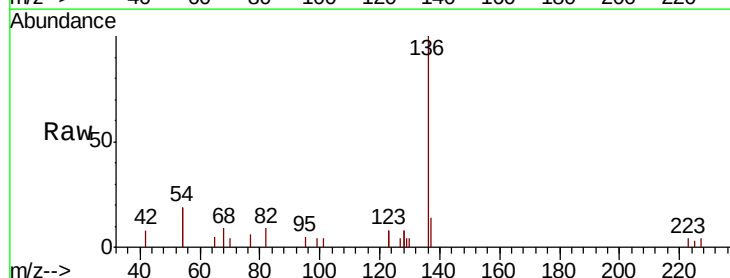
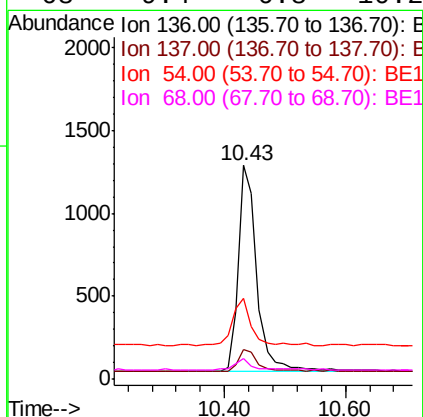
RT: 10.43 min Scan# 636

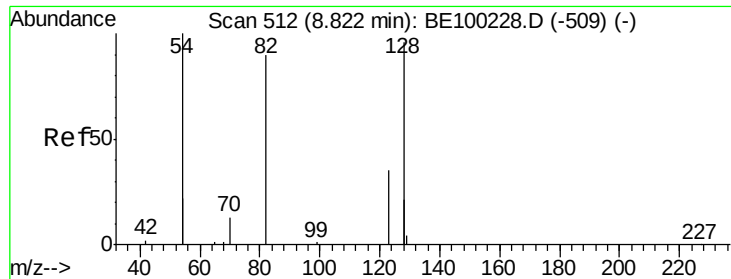
Delta R.T. -0.01 min

Lab File: BE100246.D

Acq: 28 Jun 2019 22:03

Tgt Ion:	136	Resp:	2679
Ion	Ratio	Lower	Upper
136	100		
137	14.0	11.8	17.8
54	37.8	27.7	41.5
68	9.4	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.271 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100246.D

Acq: 28 Jun 2019 22:03

Instrument :

BNA_E

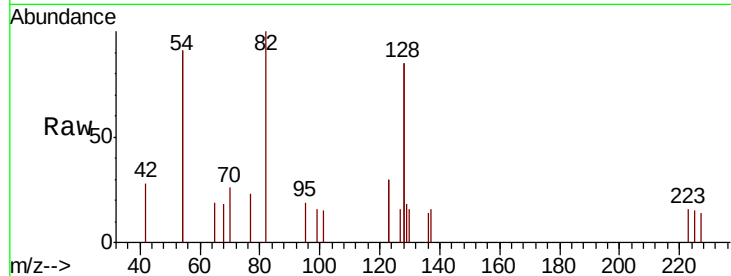
ClientSampleId :

EXT-029-SW170-061719

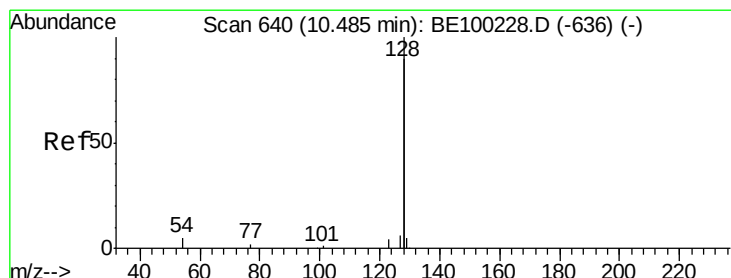
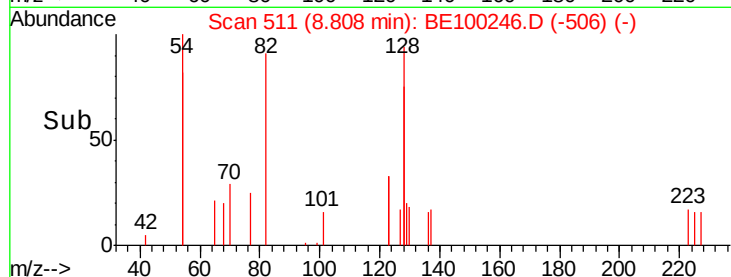
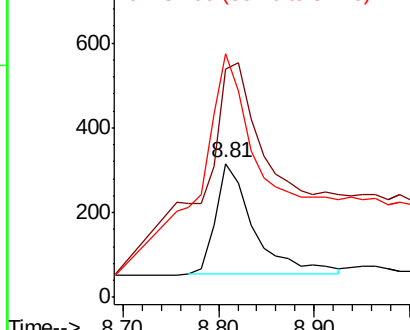
Tot Ion:	82	Resp:	721
Ion	Ratio	Lower	Upper
82	100		
128	170.3	140.9	211.3
54	181.6	146.2	219.2

Manual Integrations
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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: 0.106 ng

RT: 10.48 min Scan# 640

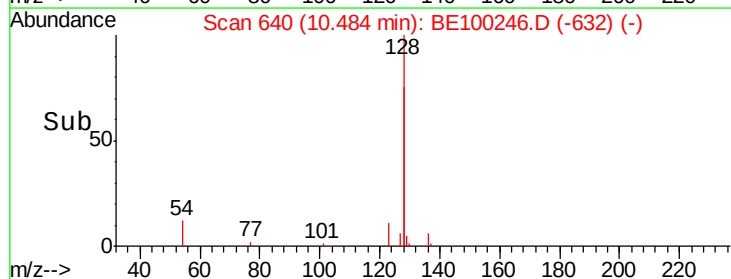
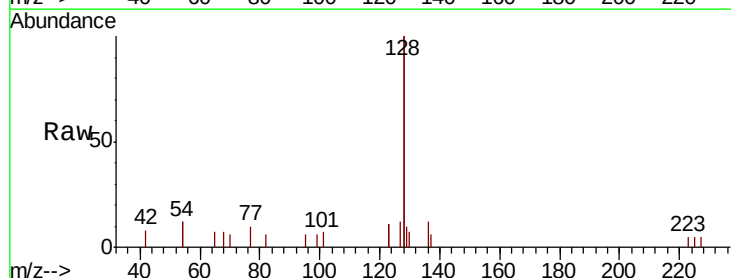
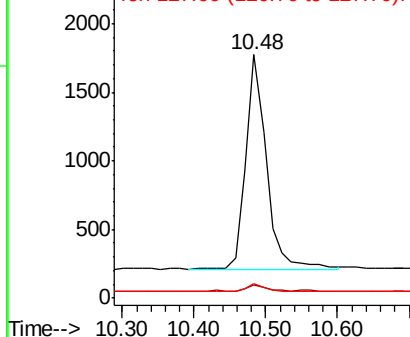
Delta R.T. -0.00 min

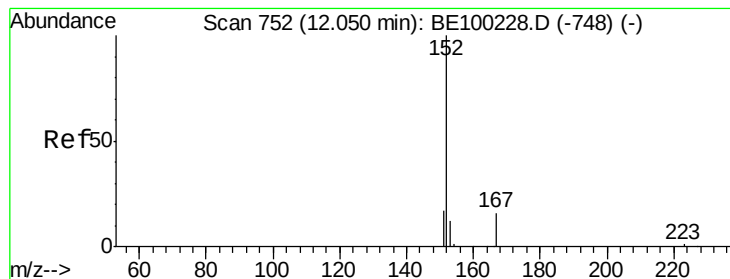
Lab File: BE100246.D

Acq: 28 Jun 2019 22:03

Tgt Ion:	128	Resp:	3140
Ion	Ratio	Lower	Upper
128	100		
129	5.2	3.0	4.6#
127	5.8	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





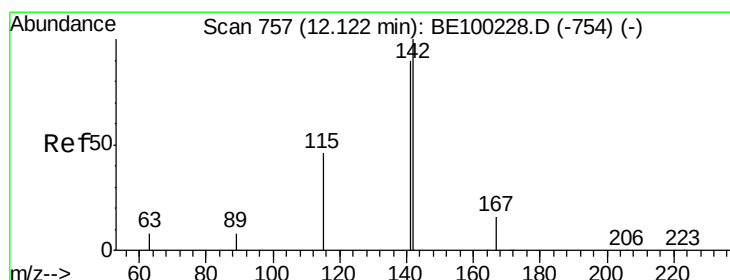
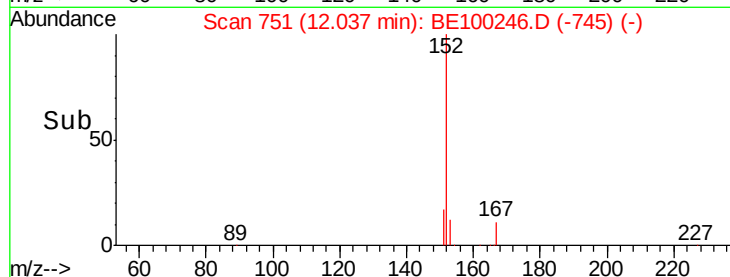
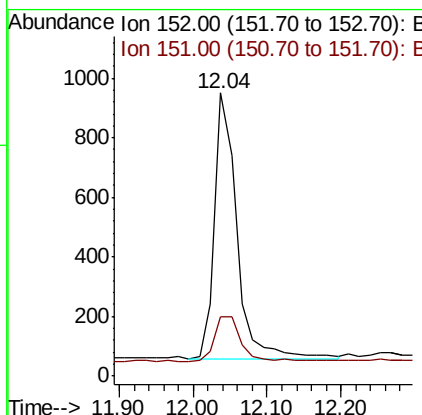
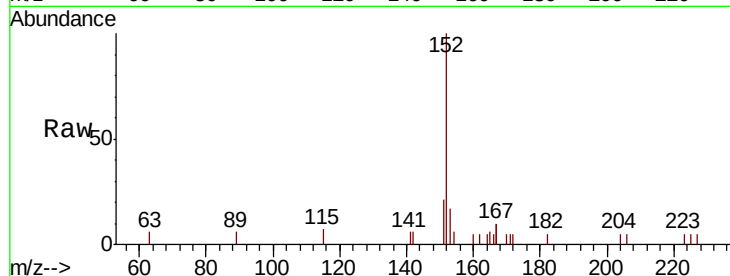
#11
2-Methylnaphthalene-d10
Concen: 0.374 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW170-061719

Tot Ion:152 Resp: 1885
Ion Ratio Lower Upper
152 100
151 20.3 15.1 22.7

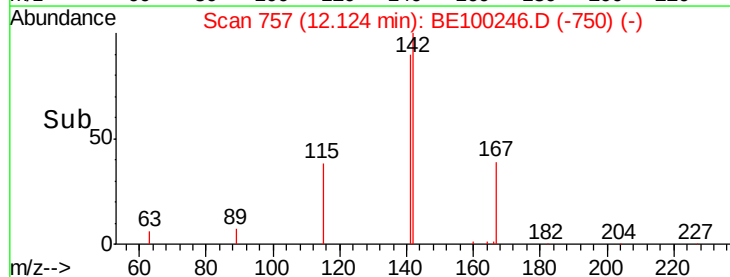
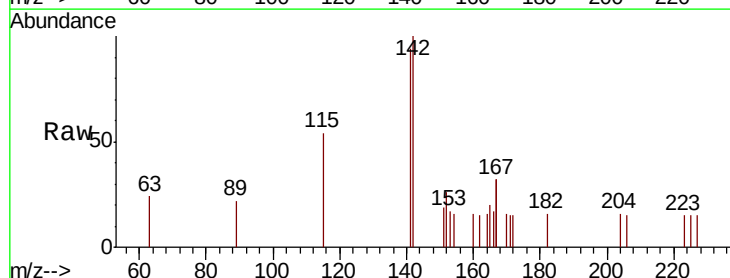
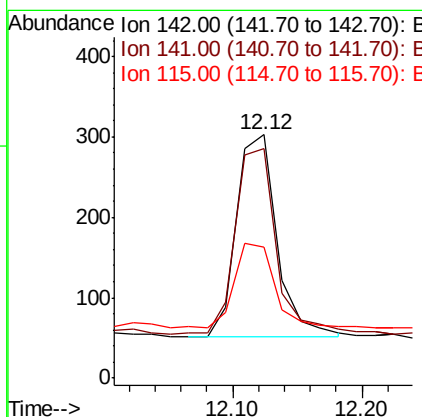
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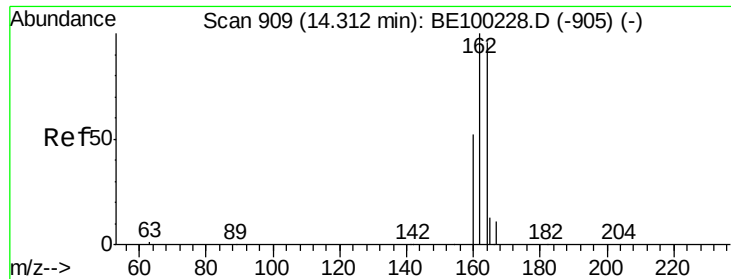
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#12
2-Methylnaphthalene
Concen: 0.104 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Tgt Ion:142 Resp: 539
Ion Ratio Lower Upper
142 100
141 94.1 72.4 108.6
115 53.8 40.4 60.6





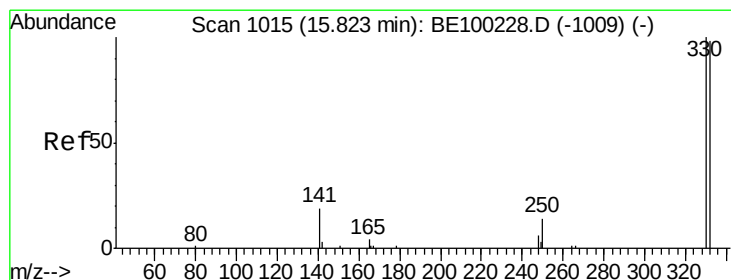
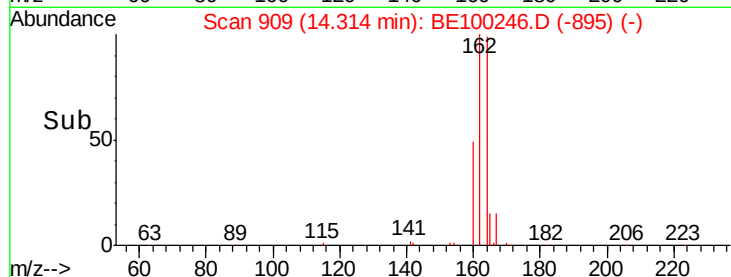
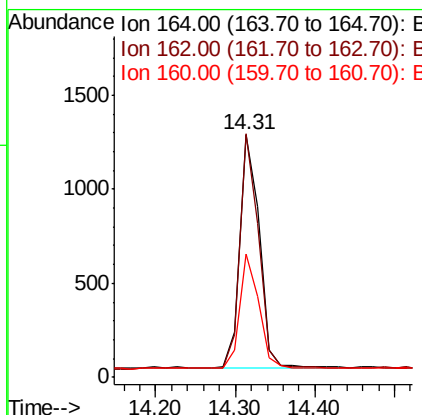
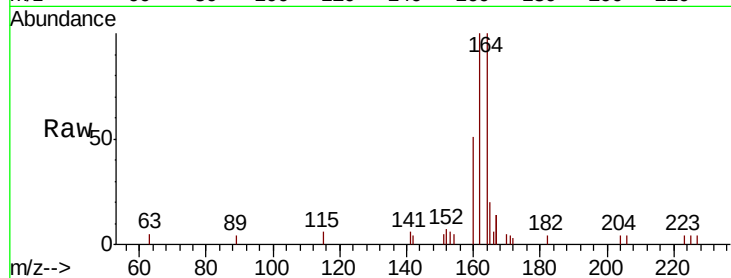
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW170-061719

Tot Ion:164 Resp: 2095
Ion Ratio Lower Upper
164 100
162 100.5 83.4 125.0
160 51.0 45.0 67.6

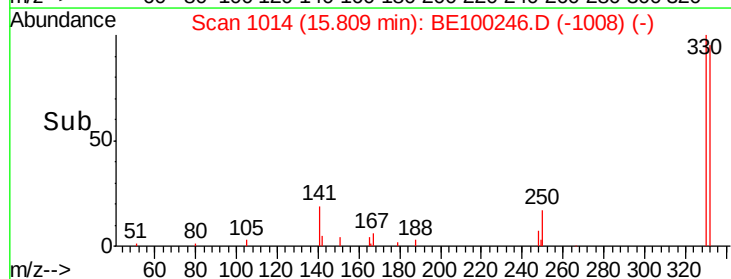
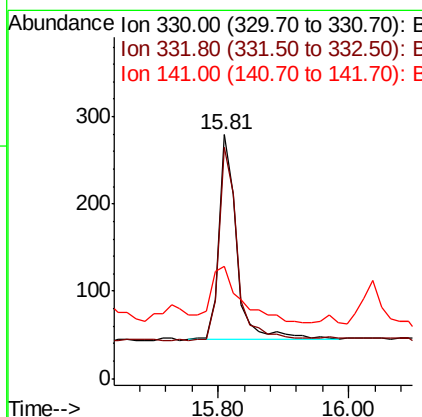
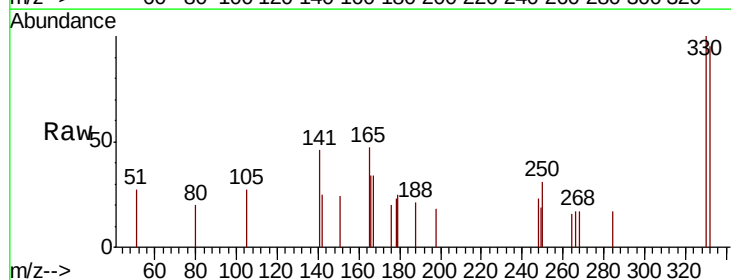
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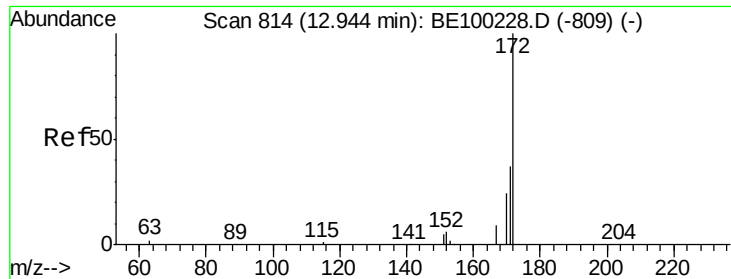
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#14
2,4,6-Tribromophenol
Concen: 0.300 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Tgt Ion:330 Resp: 439
Ion Ratio Lower Upper
330 100
332 98.2 77.0 115.4
141 44.4 22.0 33.0#





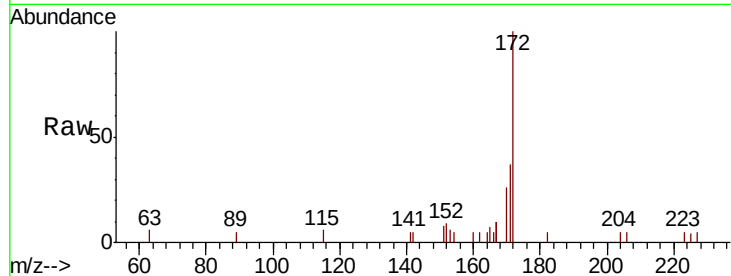
#15
2-Fluorobiphenyl
Concen: 0.260 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW170-061719

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	31.9	47.9
170	25.5	22.2	33.2

Manual Integrations
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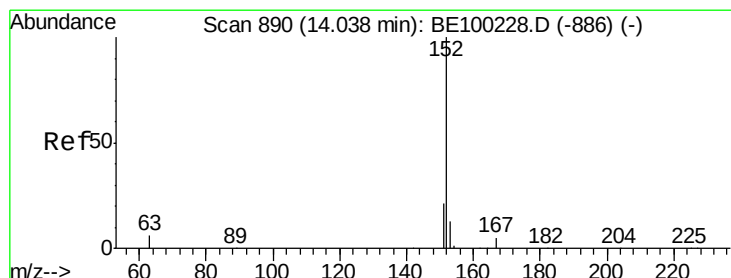
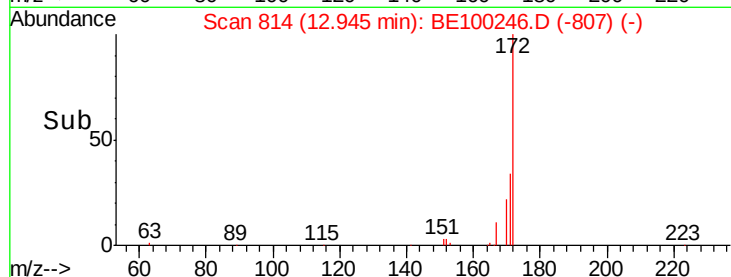
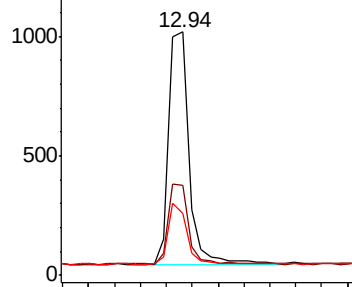


Abundance

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: 0.333 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

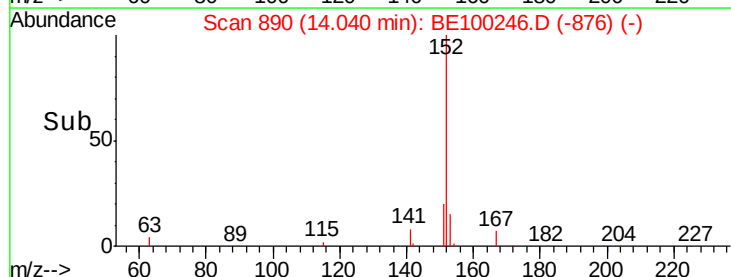
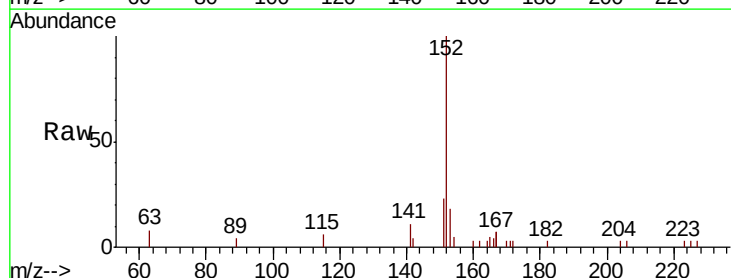
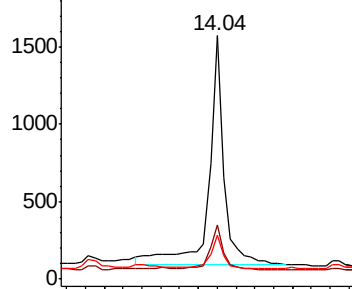
Tgt Ion	Ratio	Lower	Upper
152	100		
151	17.9	16.6	25.0
153	12.3	10.5	15.7

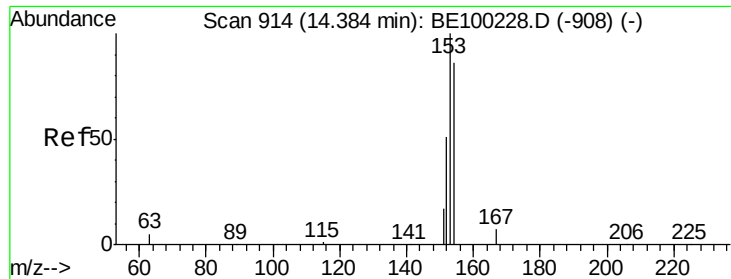
Abundance

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





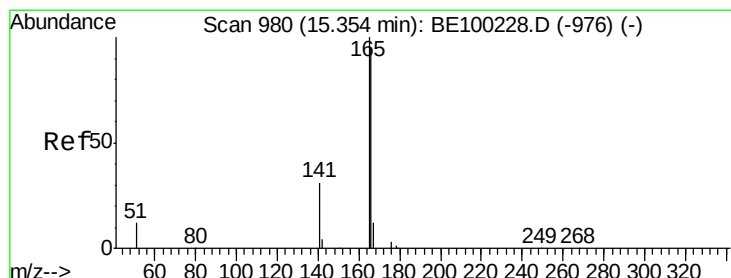
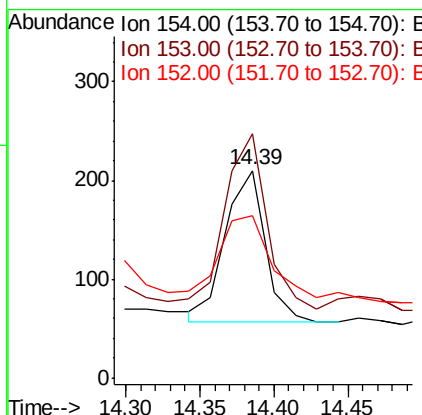
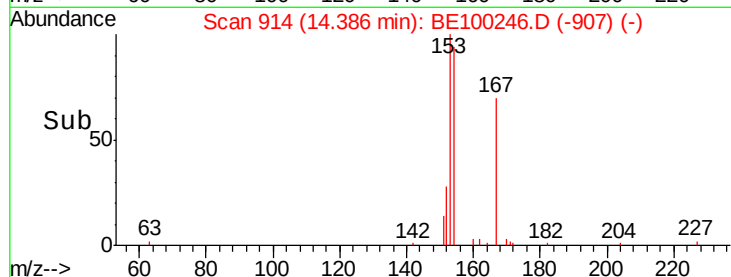
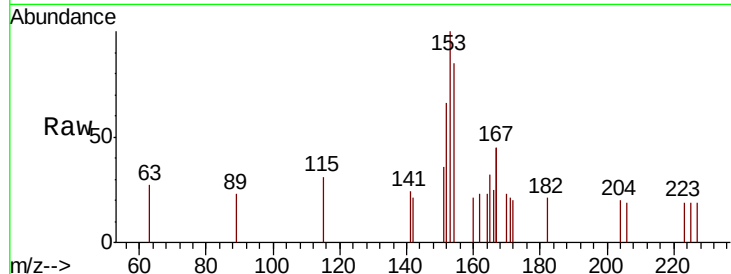
#17
Acenaphthene
Concen: 0.050 ng
RT: 14.39 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW170-061719

Tot Ion	Ratio	Lower	Upper
154	100		
153	125.9	93.4	140.2
152	79.0	49.4	74.2#

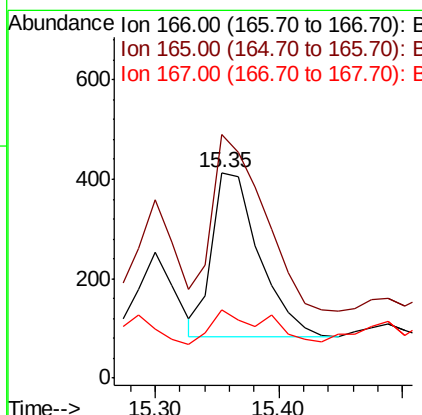
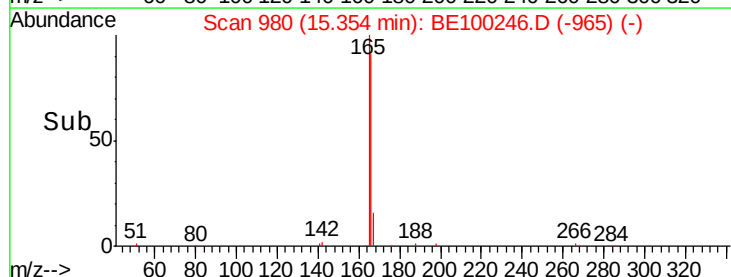
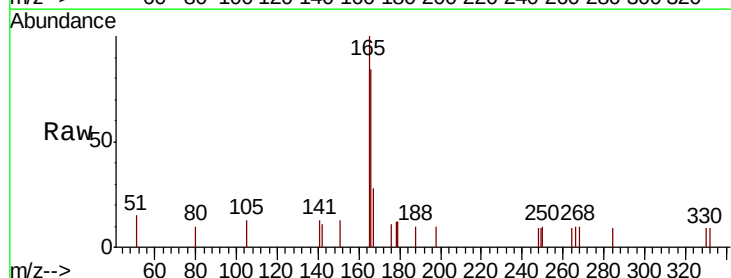
Manual Integrations
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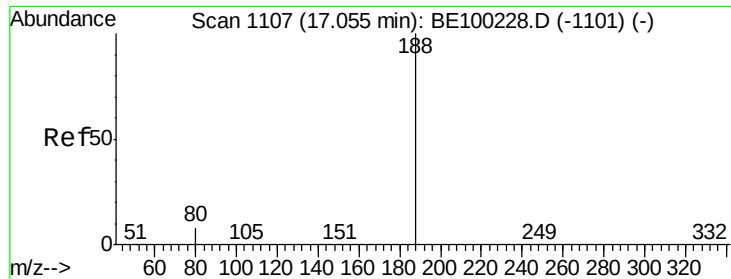
mohammad
7/1/2019 3:07:10 PM



#18
Fluorene
Concen: 0.103 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Tgt Ion	Ratio	Lower	Upper
166	100		
165	117.5	81.1	121.7
167	25.7	10.7	16.1#





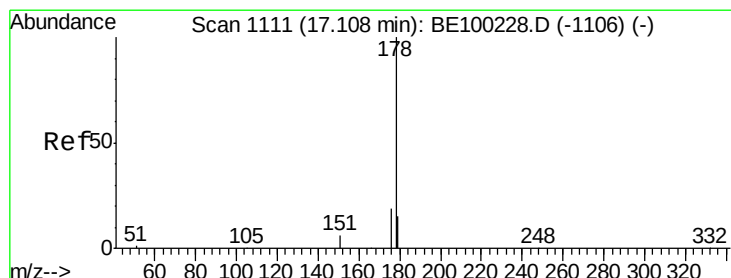
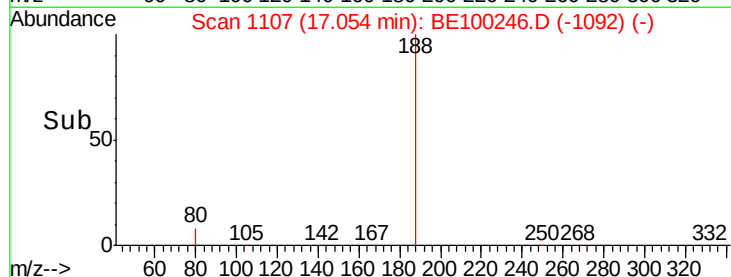
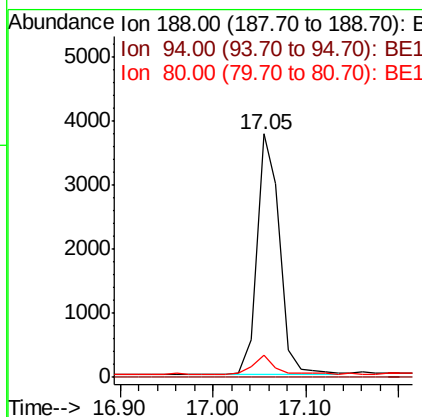
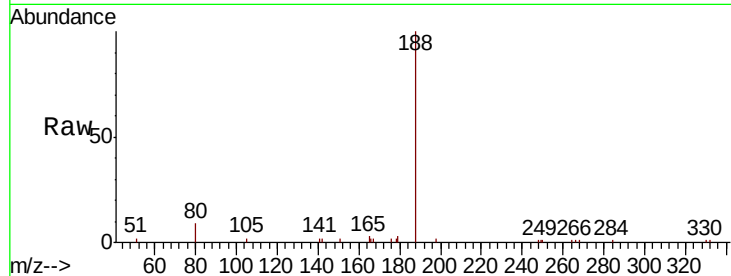
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW170-061719

Tot Ion	Ratio	Resp	Lower	Upper
188	100	6263		
94	0.0	0.0	0.0	0.0
80	9.2	7.6	11.4	

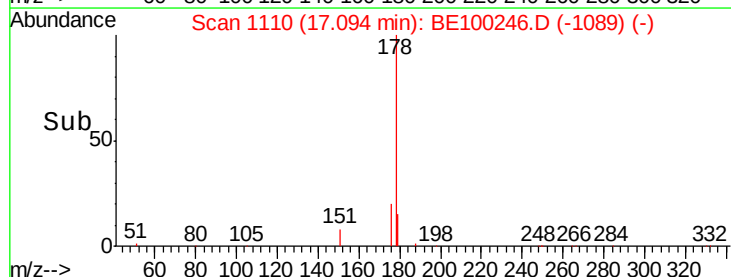
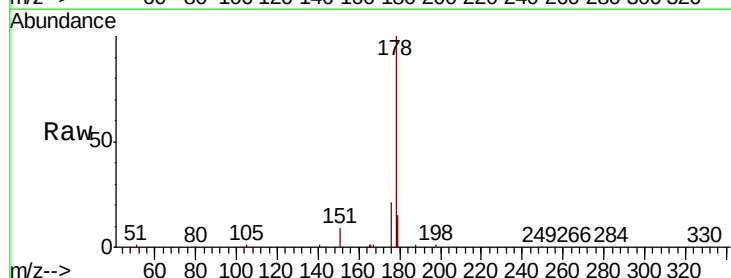
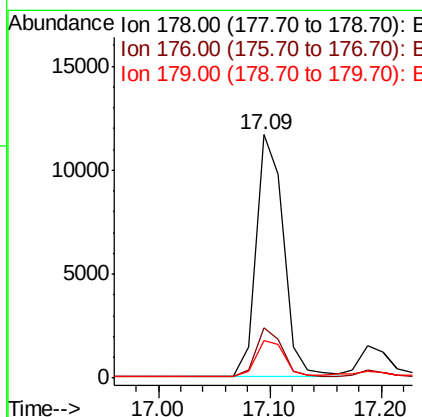
Manual Integrations
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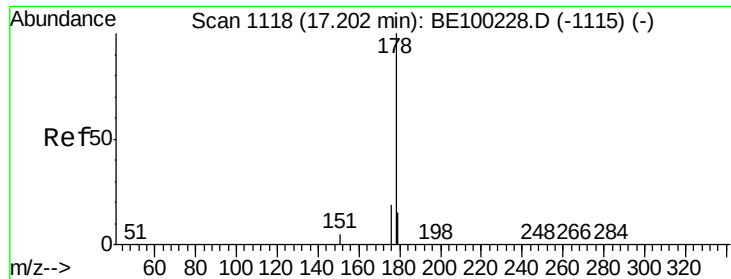
mohammad
7/1/2019 3:07:10 PM



#23
Phenanthrene
Concen: 1.313 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	19934		
176	19.8	15.9	23.9	
179	15.7	12.2	18.2	





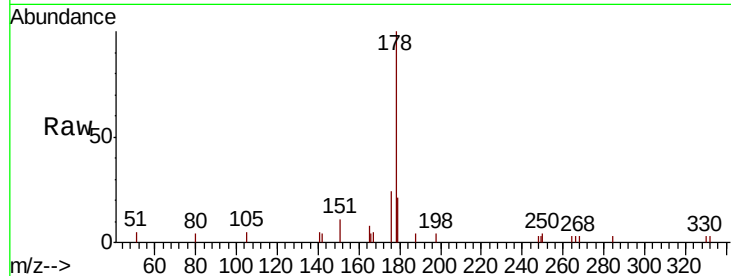
#24
 Anthracene
 Concen: 0.191 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100246.D
 Acq: 28 Jun 2019 22:03

Instrument :
 BNA_E
 ClientSampleId :
 EXT-029-SW170-061719

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.3	22.9
179	12.0	12.2	18.2

Manual Integrations
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 7/1/2019 3:07:10 PM



Abundance

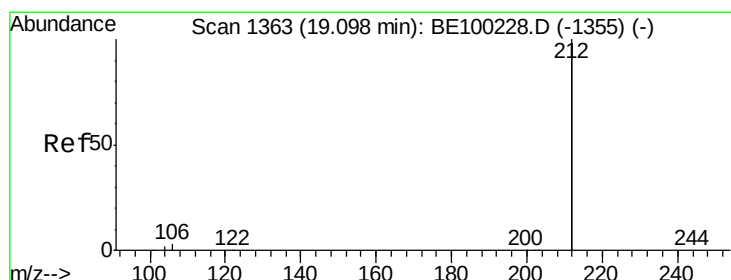
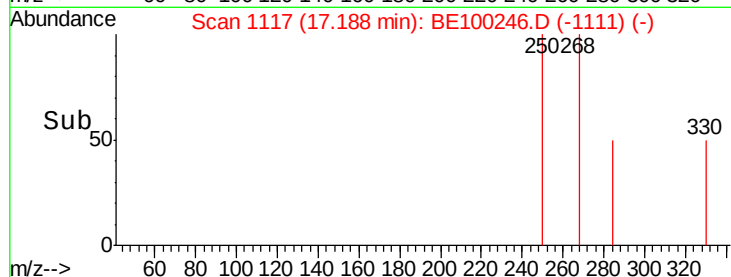
Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.19

Time-->



#25
 Fluoranthene-d10
 Concen: 0.349 ng
 RT: 19.09 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: BE100246.D
 Acq: 28 Jun 2019 22:03

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	0.9	0.8	1.2

Abundance

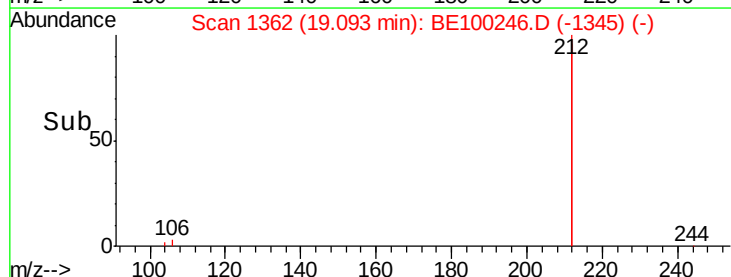
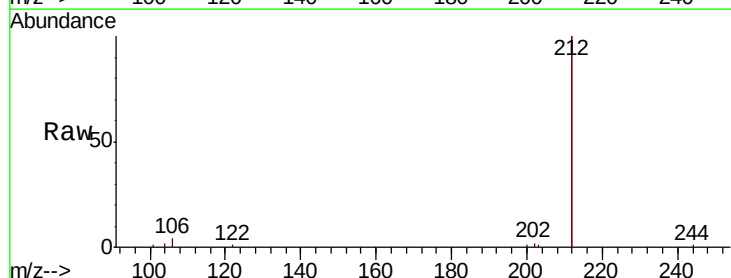
Ion 212.00 (211.70 to 212.70): E

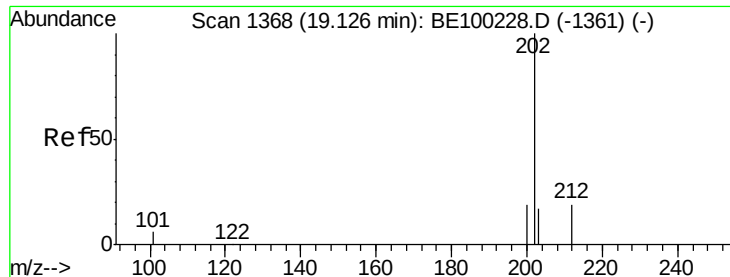
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

19.09

Time-->





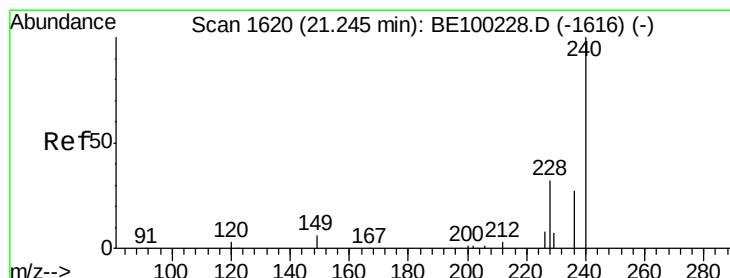
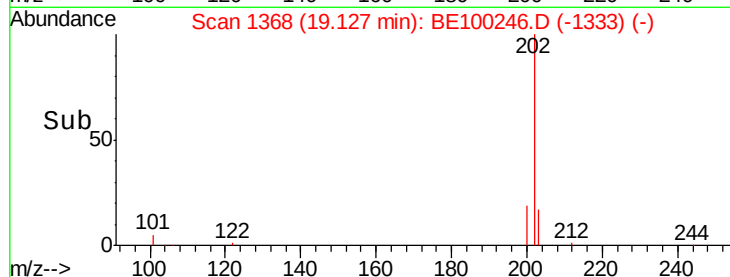
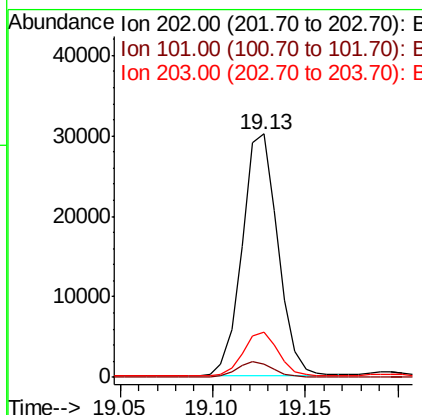
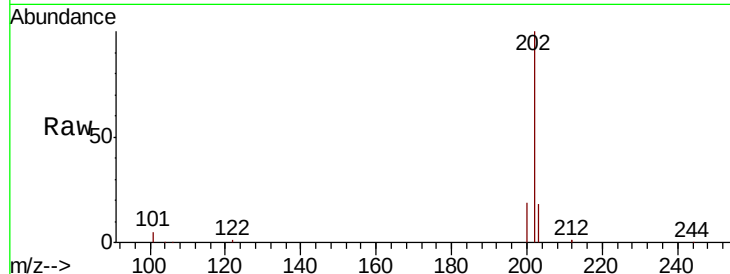
#26
Fluoranthene
Concen: 1.668 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW170-061719

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.9	4.6	7.0
203	17.9	13.7	20.5

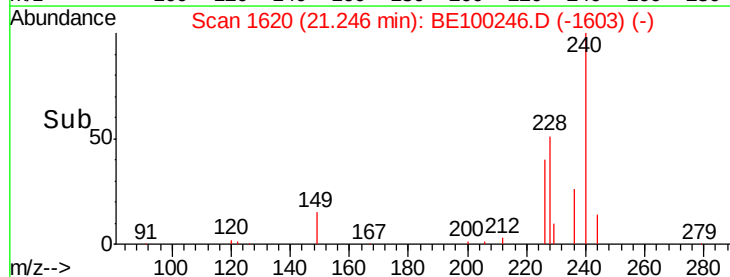
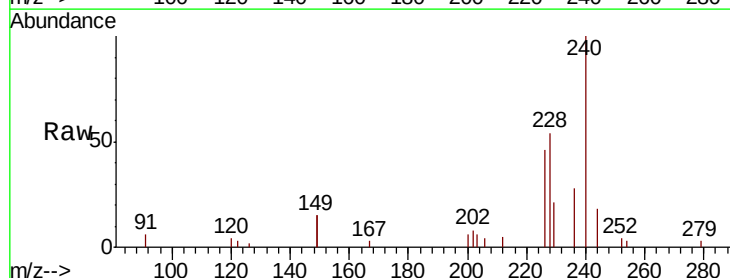
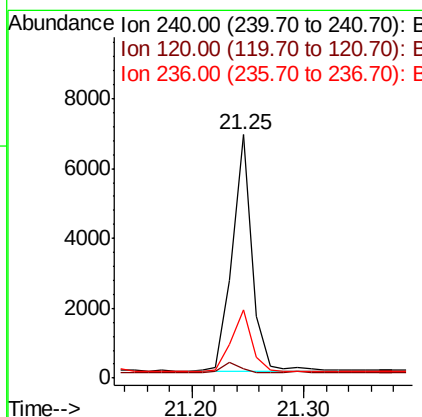
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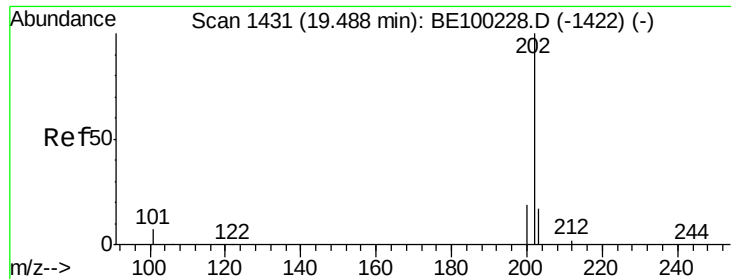
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.0	3.3	4.9
236	28.0	22.6	34.0





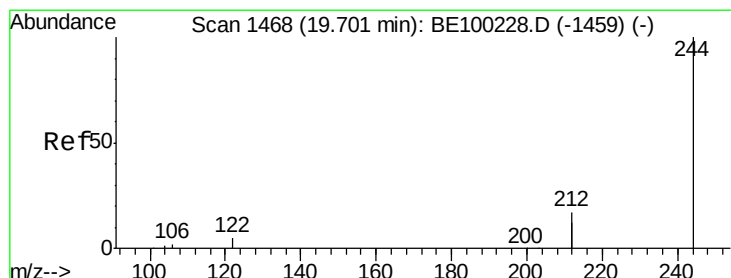
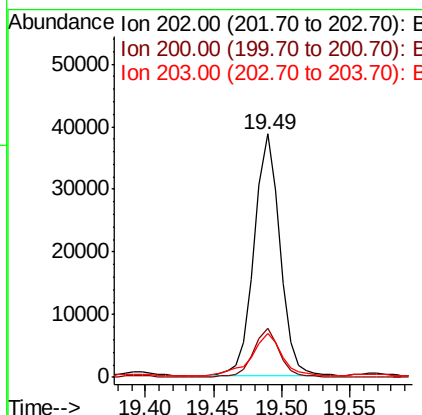
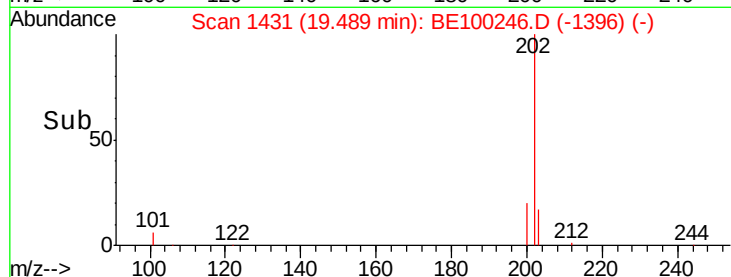
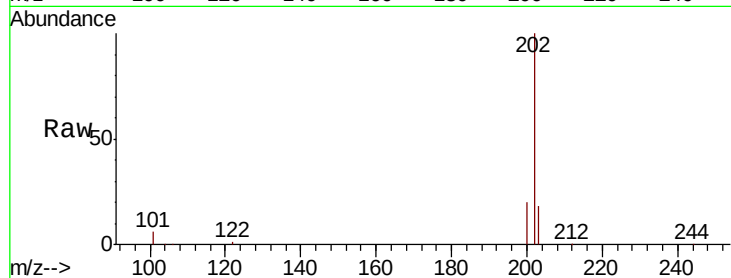
#28
Pvrene
Concen: 2.262 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW170-061719

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.6	23.4
203	20.9	14.0	21.0

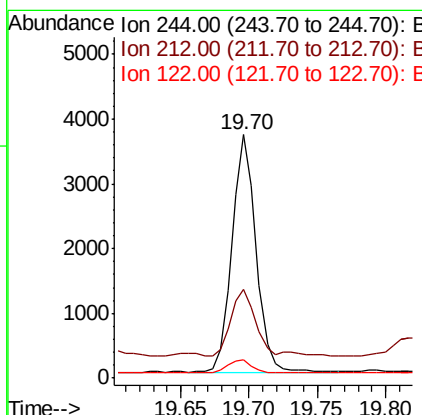
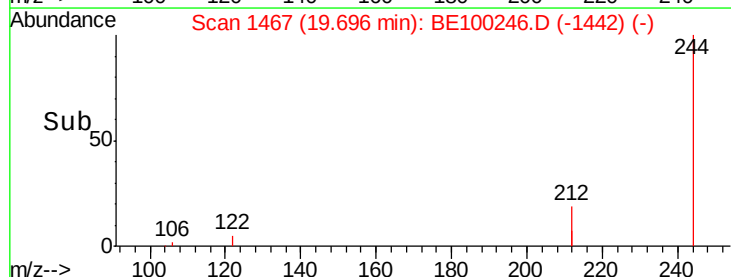
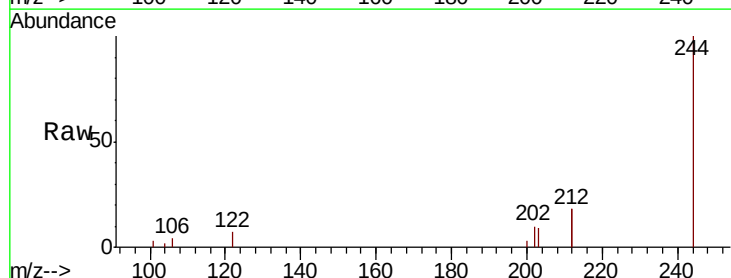
Manual Integrations
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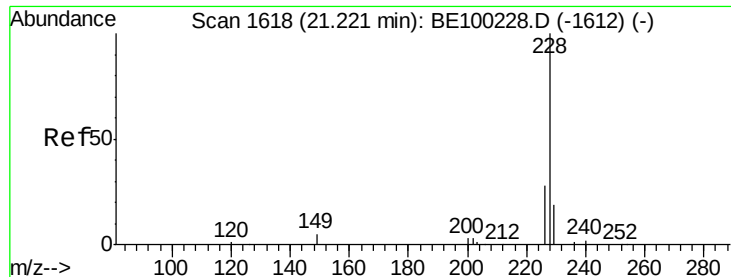
mohammad
7/1/2019 3:07:10 PM



#29
Terphenyl-d14
Concen: 0.260 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	36.4	27.3	40.9
122	7.3	4.7	7.1#





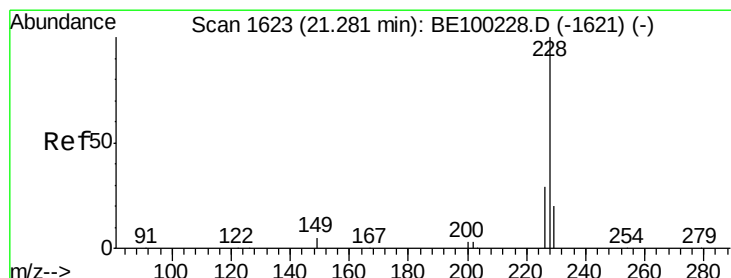
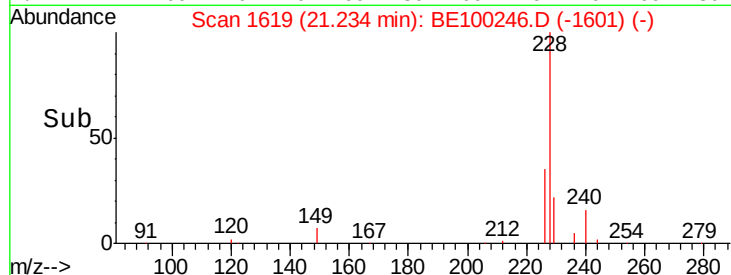
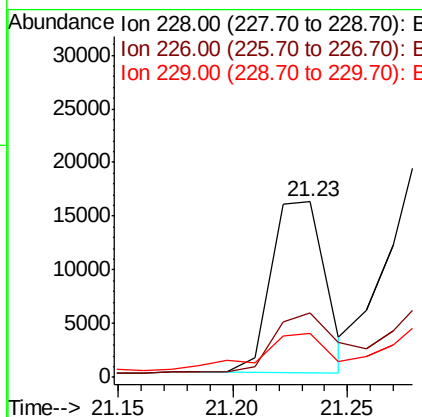
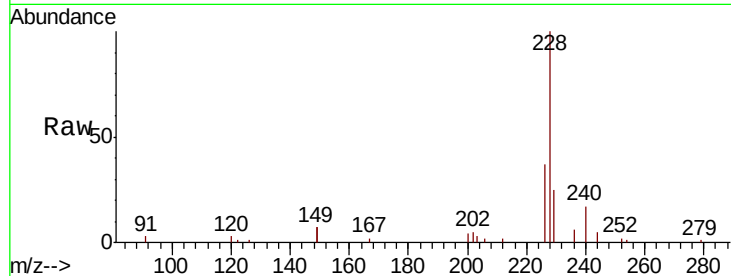
#30
Benzo(a)anthracene
Concen: 0.955 ng m
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW170-061719

Tot Ion	Ratio	Lower	Upper
228	100		
226	36.6	23.2	34.8#
229	25.1	15.7	23.5#

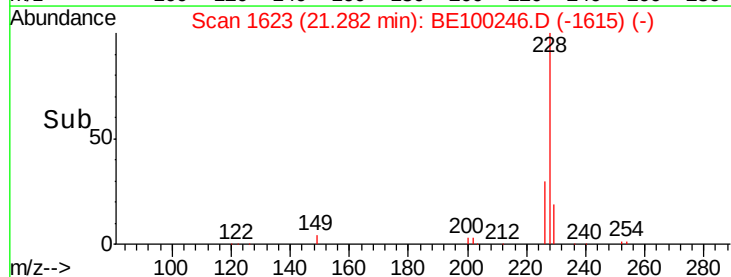
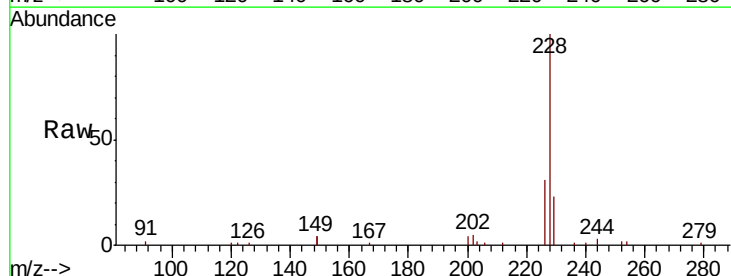
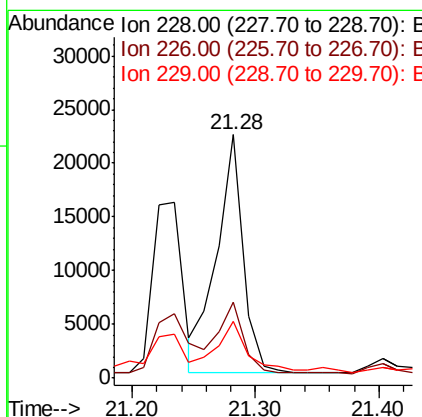
Manual Integrations
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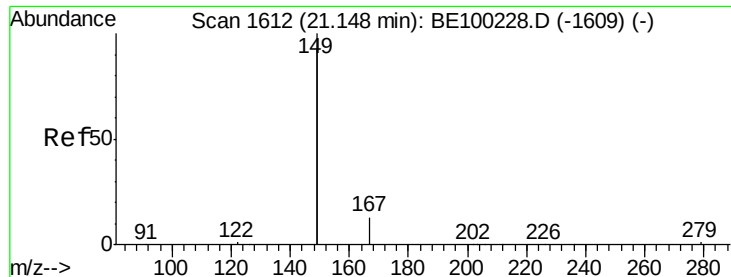
mohammad
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#31
Chrysene
Concen: 1.210 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.9	35.9
229	23.3	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.486 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100246.D

Acq: 28 Jun 2019 22:03

Instrument :

BNA_E

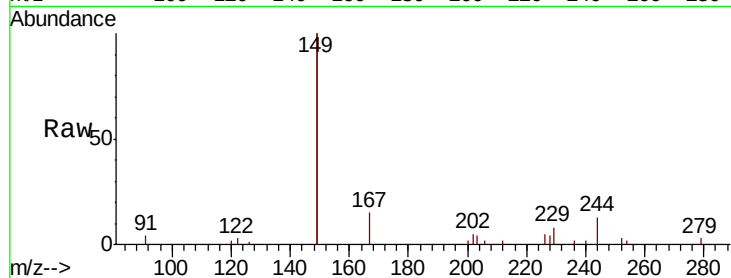
ClientSampleId :

EXT-029-SW170-061719

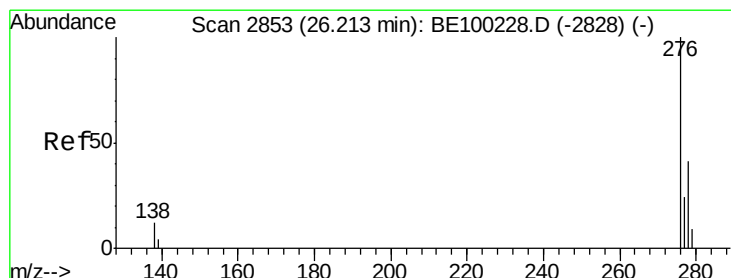
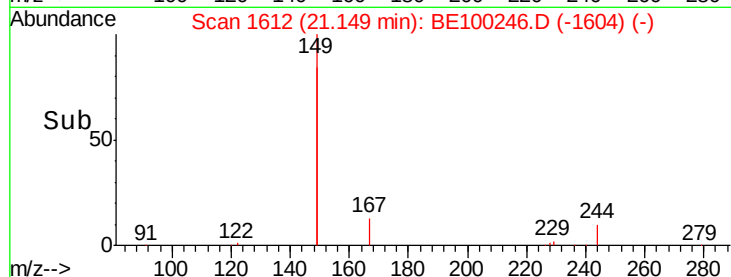
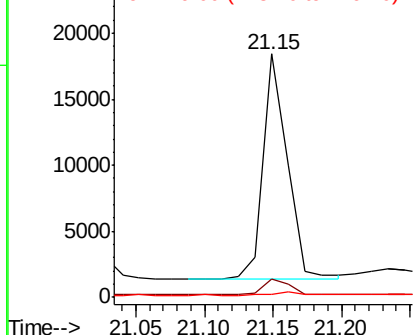
Tot Ion:	149	Resp:	21103
Ion Ratio	Lower	Upper	
149	100		
167	7.3	5.8	8.8
279	1.6	1.1	1.7

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: 0.470 ng

RT: 26.22 min Scan# 2855

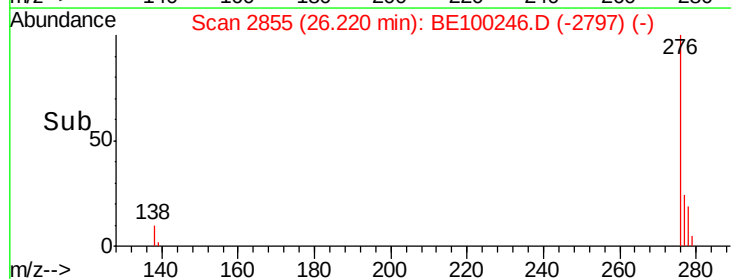
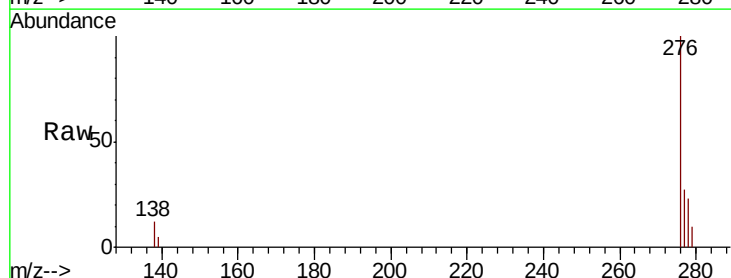
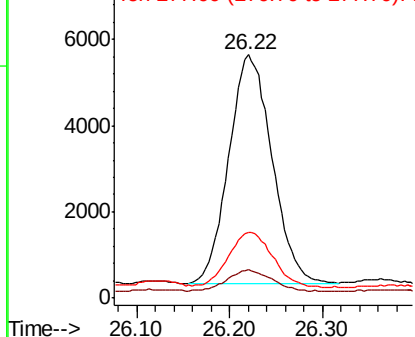
Delta R.T. 0.01 min

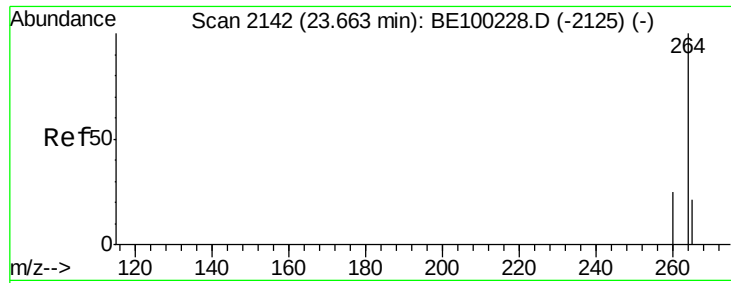
Lab File: BE100246.D

Acq: 28 Jun 2019 22:03

Tgt Ion:	276	Resp:	17171
Ion Ratio	Lower	Upper	
276	100		
138	9.8	9.4	14.0
277	25.0	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





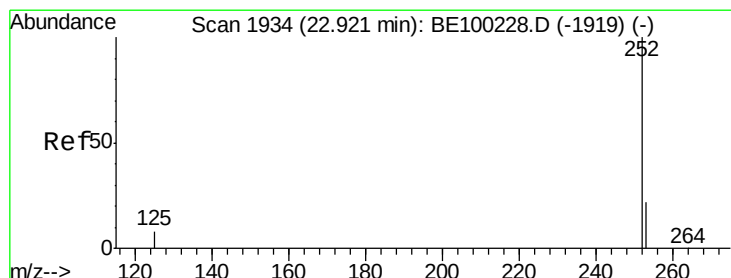
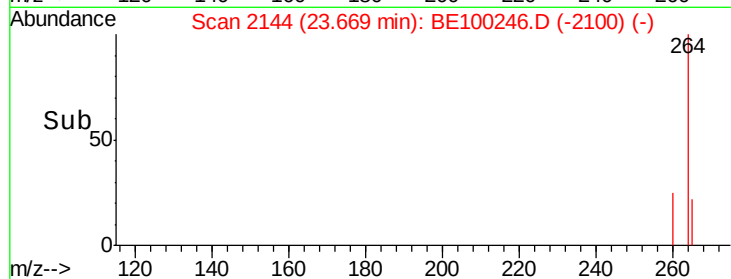
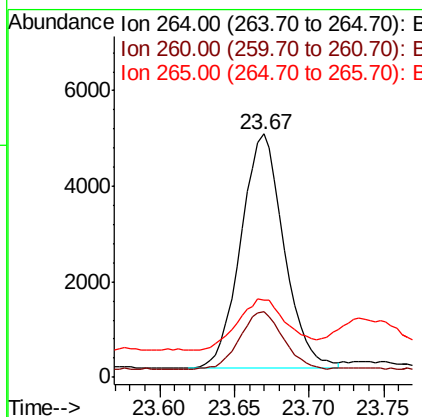
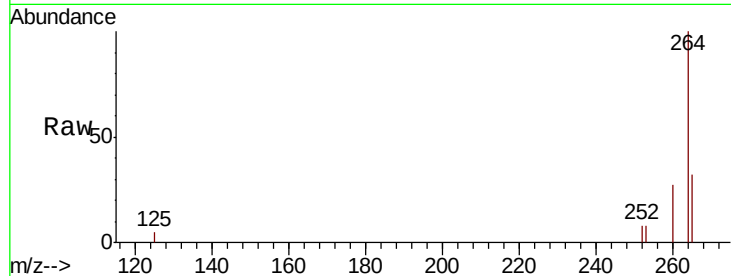
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2144
Delta R.T. 0.01 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW170-061719

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.2	20.8	31.2
265	31.6	21.8	32.6

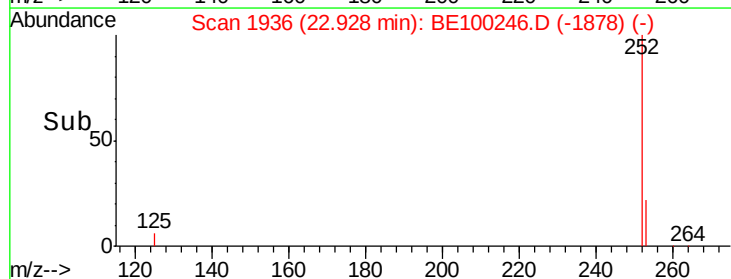
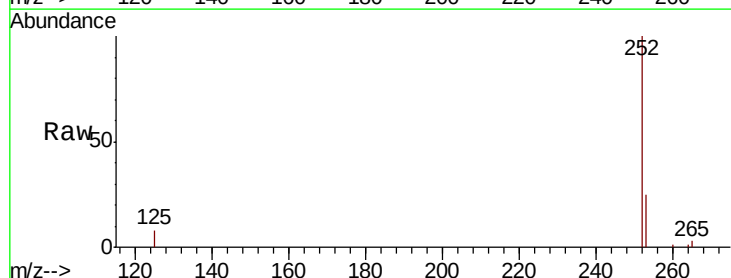
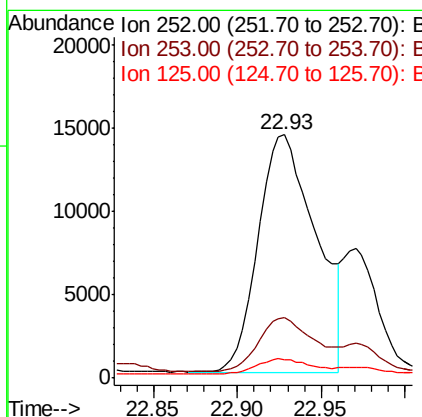
Manual Integrations
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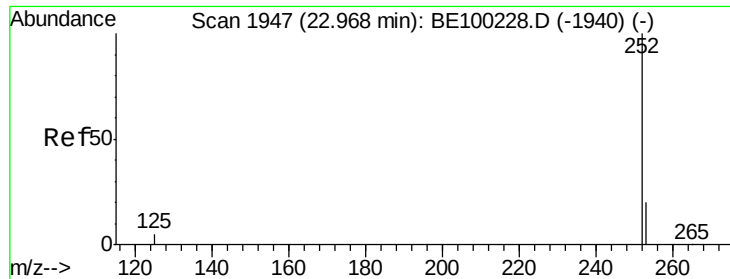
mohammad
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#35
Benzo(b)fluoranthene
Concen: 1.283 ng
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.2	28.8
125	7.7	7.4	11.0





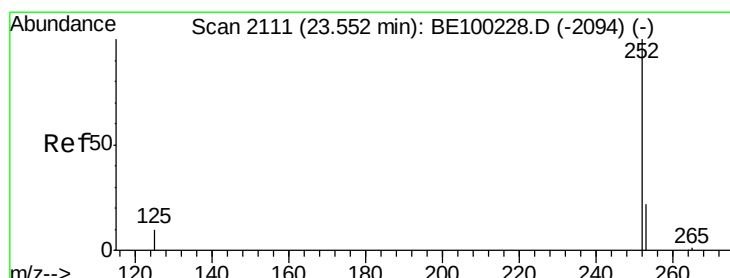
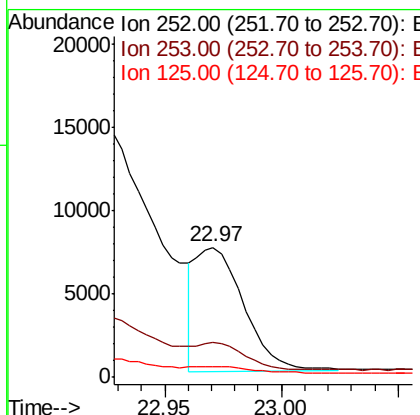
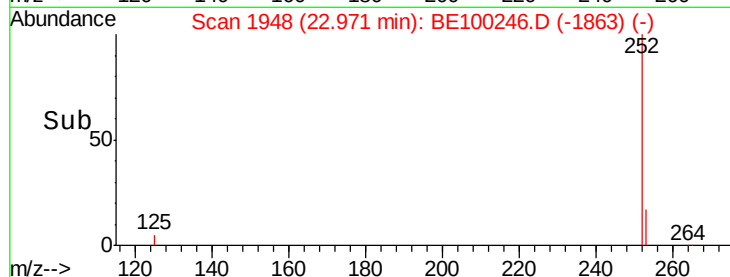
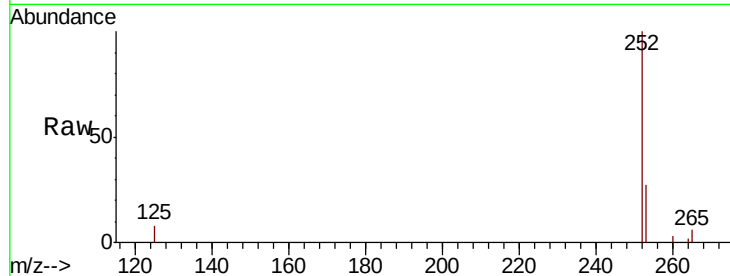
#36
Benzo(k)fluoranthene
Concen: 0.362 ng m
RT: 22.97 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW170-061719

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.9	26.9
125	8.1	5.0	7.4

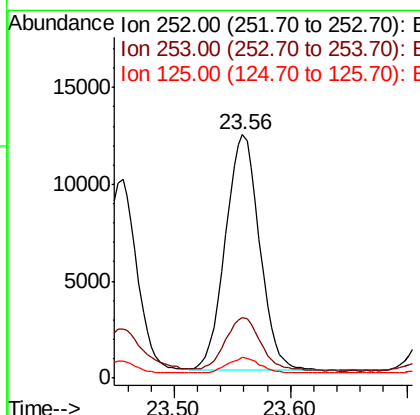
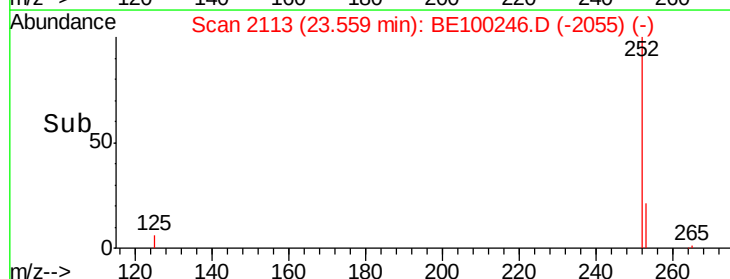
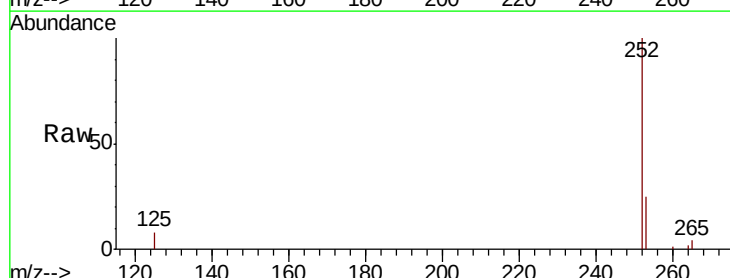
Manual Integrations
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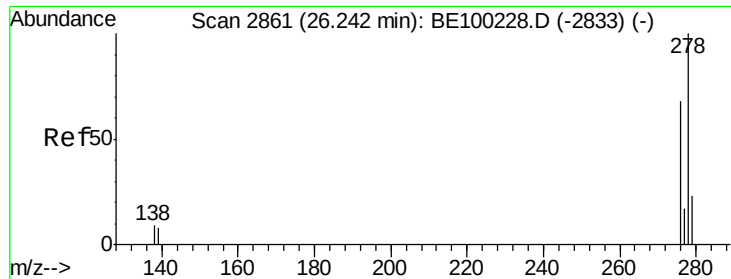
mohammad
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#37
Benzo(a)pyrene
Concen: 0.930 ng
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.6	29.4
125	8.4	9.0	13.6





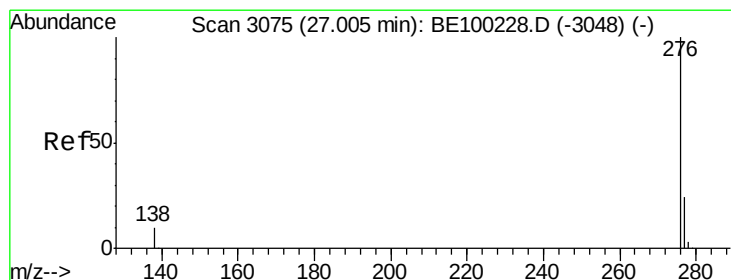
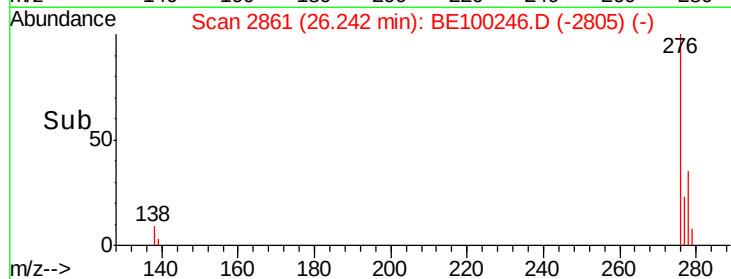
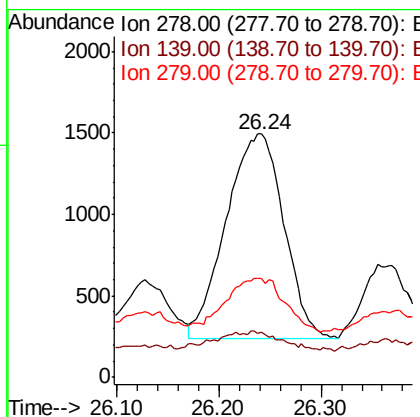
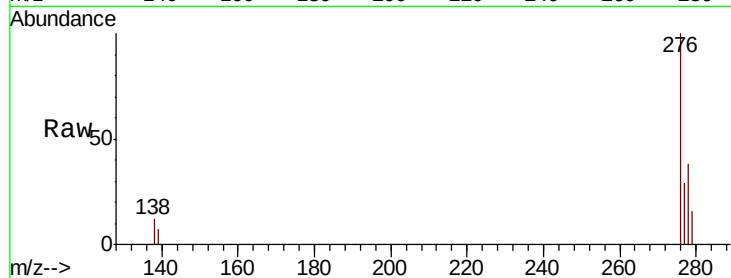
#38
Dibenzo(a,h)anthracene
Concen: 0.175 ng
RT: 26.24 min Scan# 2861
Delta R.T. -0.00 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Instrument :
BNA_E
ClientSampleId :
EXT-029-SW170-061719

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.4	8.2	12.2#
279	40.7	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:10 PM



#39
Benzo(g,h,i)perylene
Concen: 0.656 ng
RT: 27.01 min Scan# 3077
Delta R.T. 0.01 min
Lab File: BE100246.D
Acq: 28 Jun 2019 22:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.0	20.2	30.2
138	11.7	9.0	13.6

