

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
 Data File : BE100148.D
 Acq On : 22 Jun 2019 00:23
 Operator : JU/SJ
 Sample : K3428-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW159-061319

Manual Integrations
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 6/25/2019 3:21:32 PM

Quant Time: Jun 22 03:22:41 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 19 15:07:24 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	696	0.40	ng	0.00
7) Naphthalene-d8	10.52	136	2576	0.40	ng	-0.01
13) Acenaphthene-d10	14.40	164	2350	0.40	ng	-0.01
19) Phenanthrene-d10	17.15	188	7333	0.40	ng	-0.01
27) Chrysene-d12	21.34	240	9551	0.40	ng	0.00
34) Perylene-d12	23.83	264	11403	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.30	112	596	0.41	ng	0.00
5) Phenol-d6	6.90	99	833	0.42	ng	-0.03
8) Nitrobenzene-d5	8.90	82	864	0.35	ng	-0.01
11) 2-Methylnaphthalene-d10	12.14	152	152	0.03	ng	-0.01
14) 2,4,6-Tribromophenol	15.90	330	601	0.46	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	2840	0.31	ng	-0.01
25) Fluoranthene-d10	19.19	212	2608	0.02	ng	0.00
29) Terphenyl-d14	19.79	244	7160	0.37	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.58	128	2052	0.073	ng	# 92
12) 2-Methylnaphthalene	12.21	142	442	0.096	ng	92
16) Acenaphthylene	14.13	152	3022	0.271	ng	# 97
17) Acenaphthene	14.47	154	571	0.092	ng	93
18) Fluorene	15.45	166	1489	0.160	ng	# 85
23) Phenanthrene	17.19	178	40068	2.281	ng	99
24) Anthracene	17.28	178	4437	0.299	ng	97
26) Fluoranthene	19.22	202	64681	2.293	ng	98
28) Pyrene	19.58	202	82125	3.345	ng	# 96
30) Benzo(a)anthracene	21.32	228	41999	1.478	ng	94
31) Chrysene	21.38	228	49711	1.506	ng	96
32) Bis(2-ethylhexyl)phthalate	21.25	149	16806	0.627	ng	100
33) Indeno(1,2,3-cd)pyrene	26.47	276	21997	0.592	ng	# 98
35) Benzo(b)fluoranthene	23.07	252	45052	1.346	ng	93
36) Benzo(k)fluoranthene	23.11	252	14043m	0.369	ng	
37) Benzo(a)pyrene	23.72	252	34028	1.053	ng	97
38) Dibenzo(a,h)anthracene	26.49	278	6326	0.191	ng	# 73
39) Benzo(a,h,i)perylene	27.29	276	24134	0.701	ng	96

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

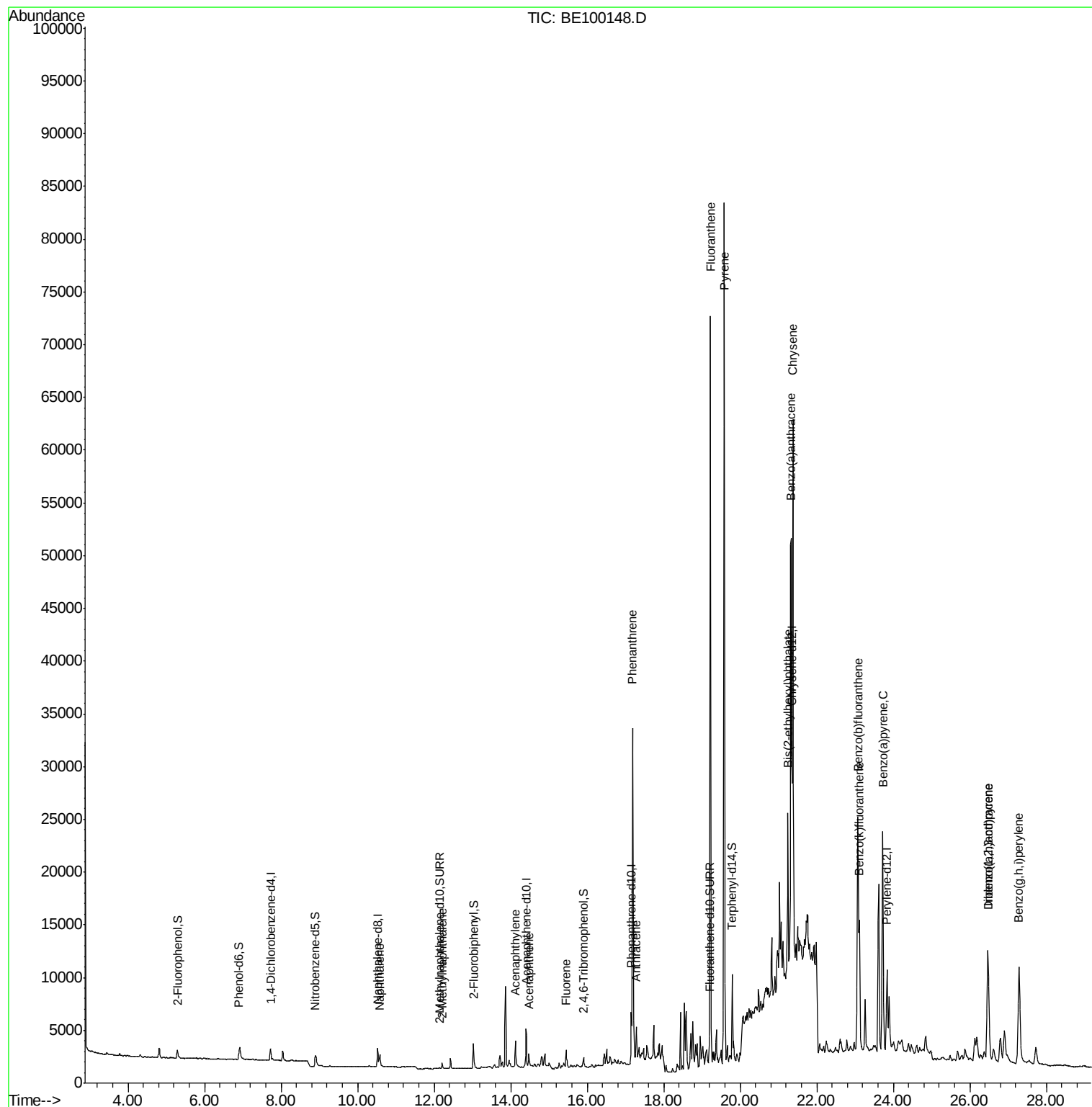
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
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#1

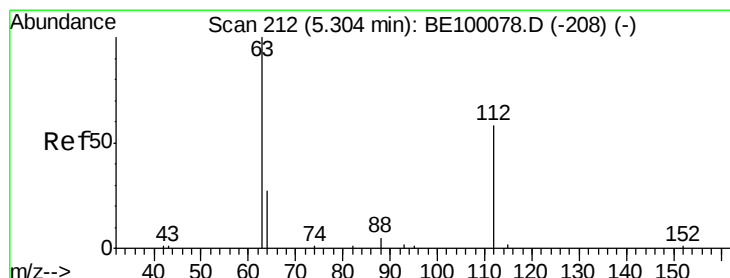
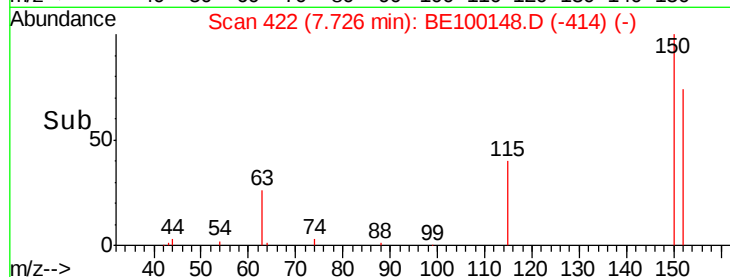
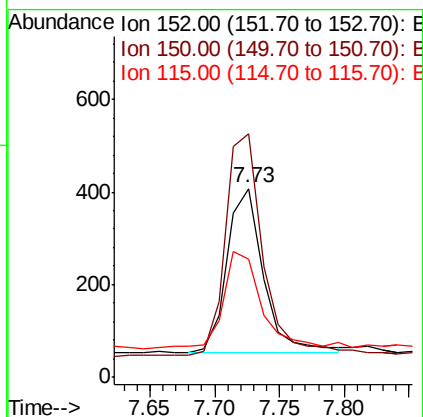
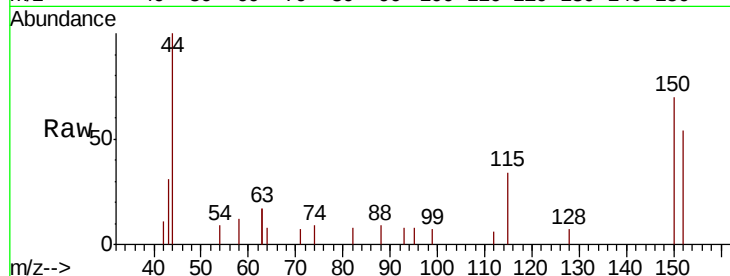
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
152	100		
150	128.9	99.8	149.8
115	62.5	51.3	76.9

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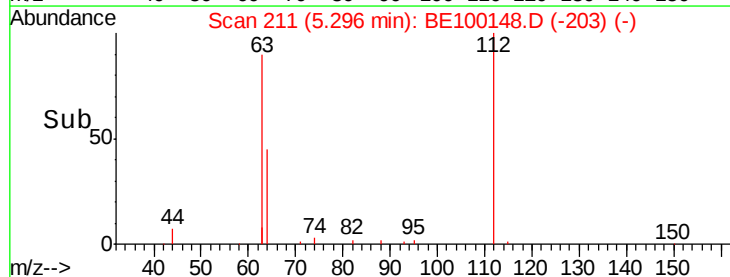
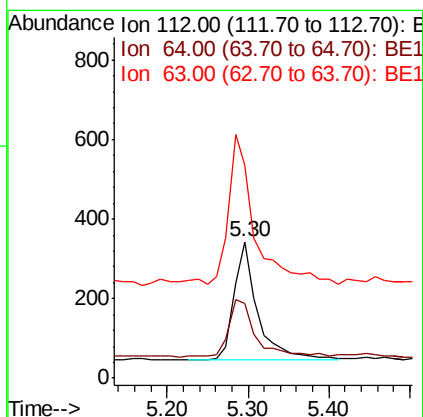
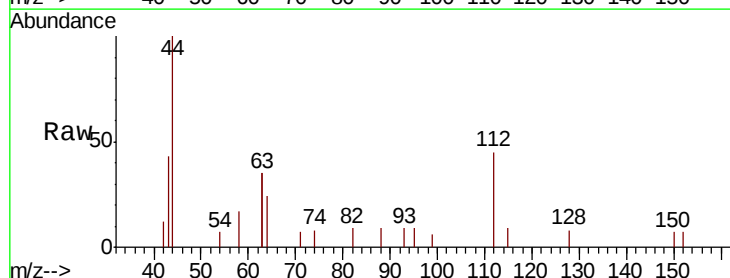
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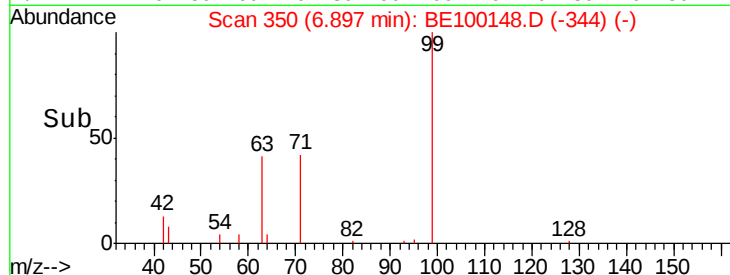
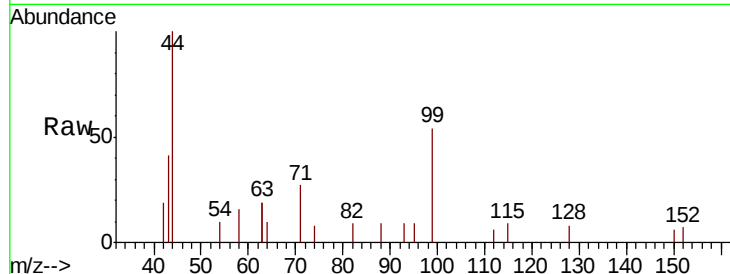
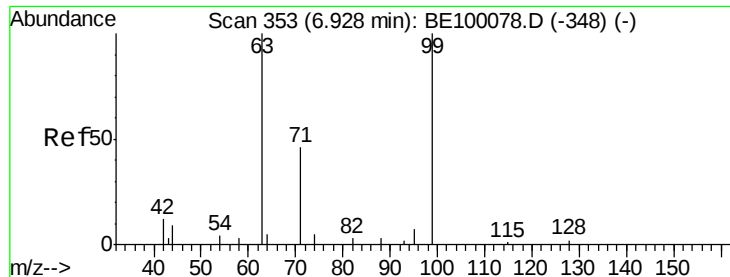


#4

2-Fluorophenol
Concen: 0.413 ng
RT: 5.30 min Scan# 211
Delta R.T. -0.01 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	22.0	33.0#
63	139.8	121.8	182.6





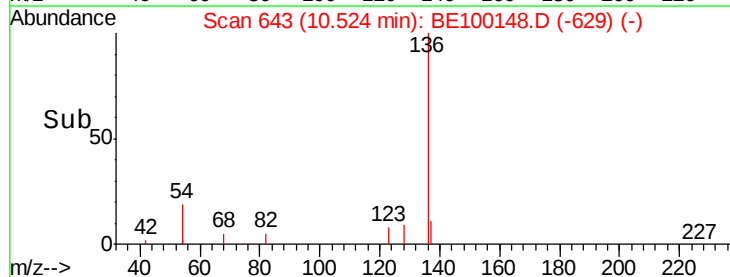
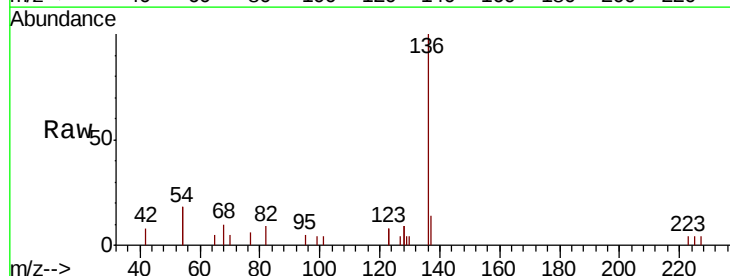
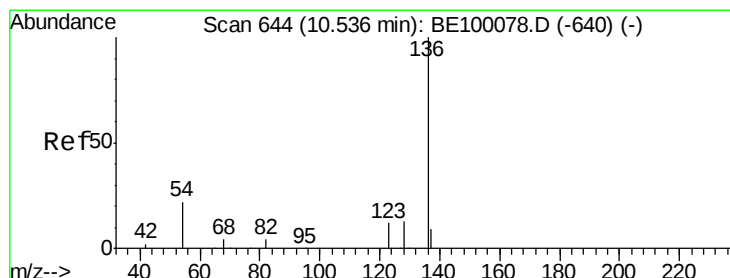
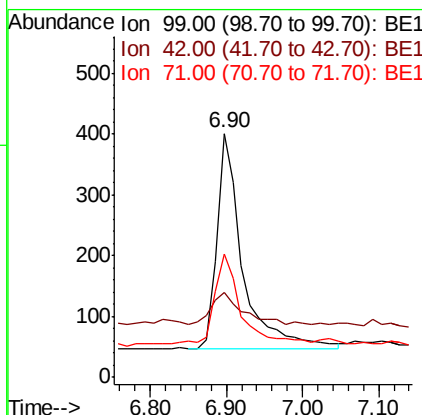
#5
Phenol-d6
Concen: 0.420 ng
RT: 6.90 min Scan# 350
Delta R.T. -0.03 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Tot Ion	Ratio	Lower	Upper
99	100		
42	18.1	0.0	0.0#
71	39.9	37.6	56.4

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

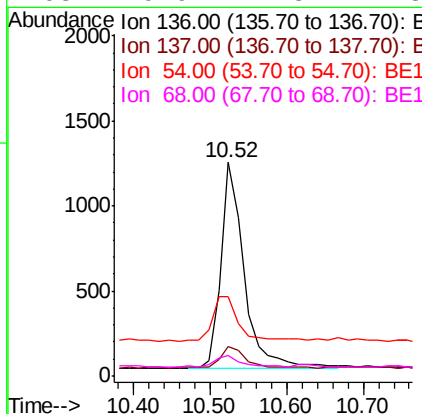
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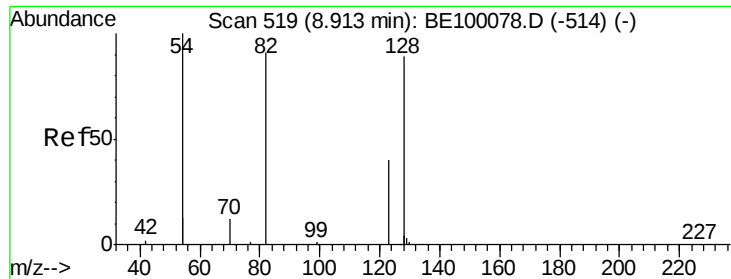
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.52 min Scan# 643
Delta R.T. -0.01 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Tgt Ion	Ratio	Lower	Upper
136	100		
137	14.0	11.6	17.4
54	36.9	33.9	50.9
68	9.9	7.8	11.8





#8

Nitrobenzene-d5

Concen: 0.346 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.01 min

Lab File: BE100148.D

Acq: 22 Jun 2019 00:23

Instrument :

BNA_E

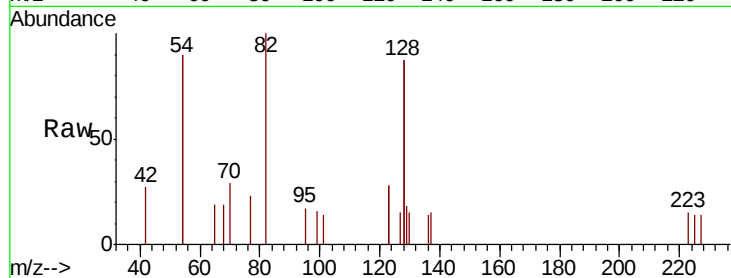
ClientSampleId :

EXT-013-SW159-061319

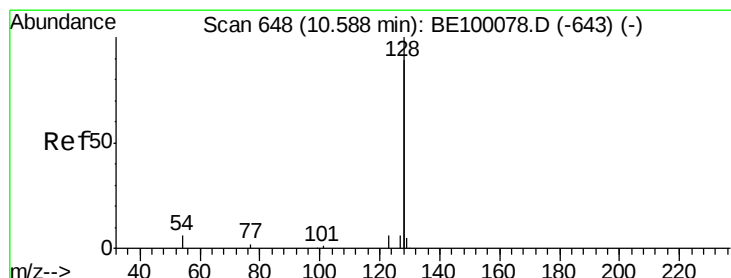
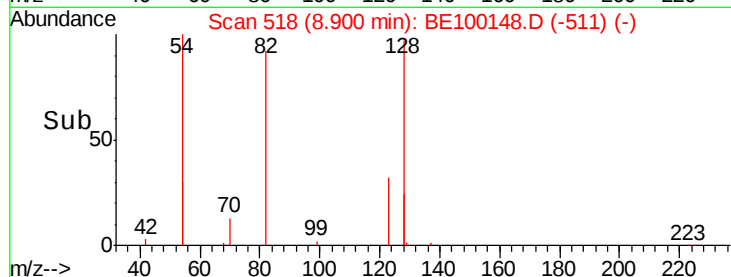
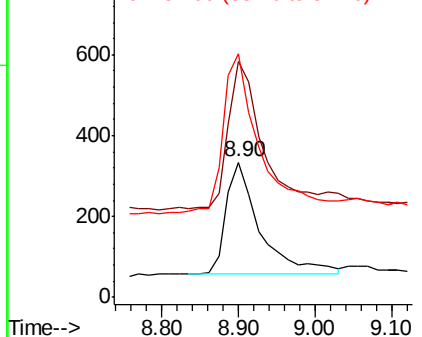
Tot Ion:	82	Resp:	864
Ion Ratio	Lower	Upper	
82	100		
128	174.3	128.0	192.0
54	180.2	143.4	215.0

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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: 0.073 ng

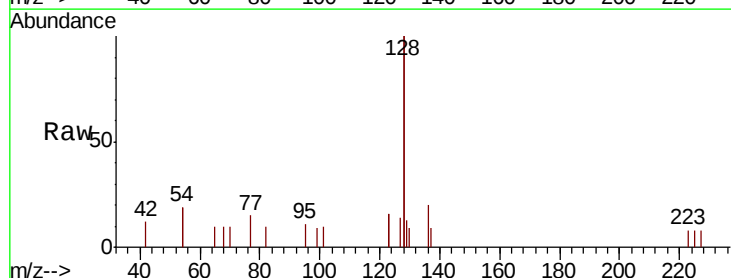
RT: 10.58 min Scan# 647

Delta R.T. -0.01 min

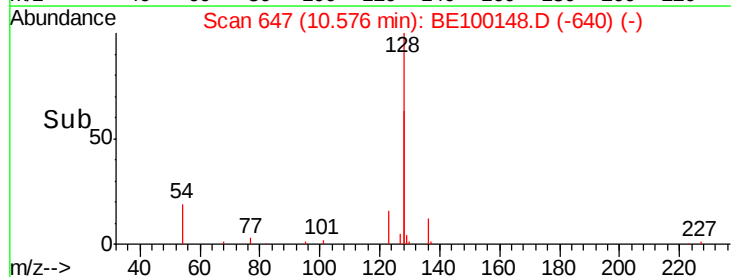
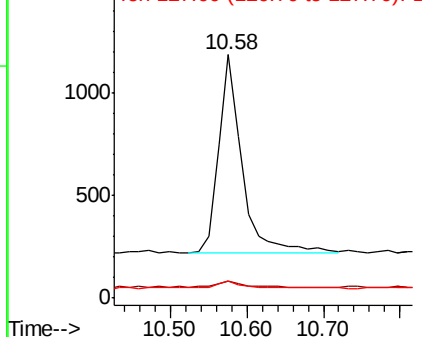
Lab File: BE100148.D

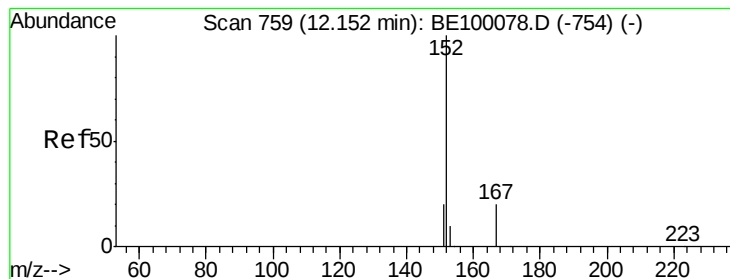
Acq: 22 Jun 2019 00:23

Tgt Ion:	128	Resp:	2052
Ion Ratio	Lower	Upper	
128	100		
129	6.7	3.1	4.7#
127	6.9	3.4	5.2#



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: 0.031 ng

RT: 12.14 min Scan# 758

Delta R.T. -0.01 min

Lab File: BE100148.D

Acq: 22 Jun 2019 00:23

Instrument :

BNA_E

ClientSampleId :

EXT-013-SW159-061319

Tot Ion:152 Resp: 152

Ion Ratio Lower Upper

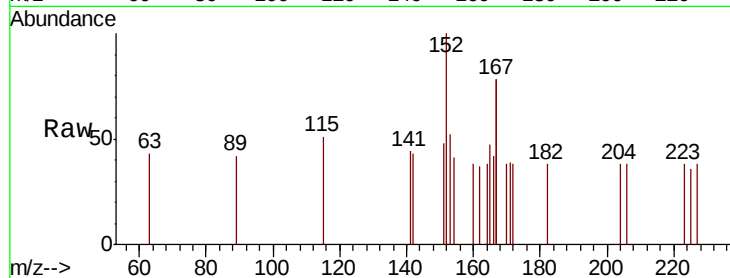
152 100

151 34.9 16.3 24.5#

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

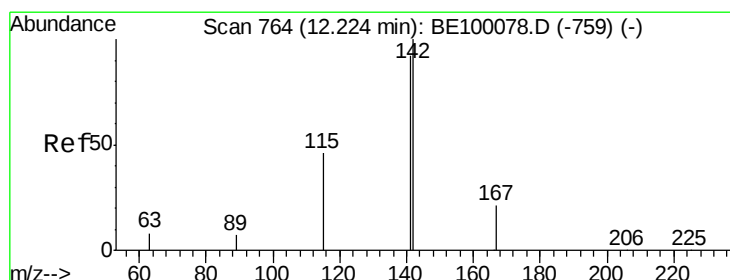
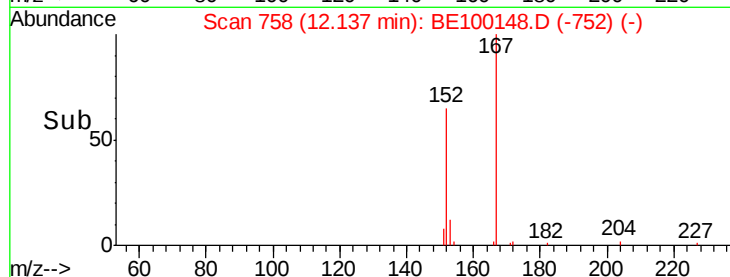
12.14

100

50

0

Time--> 12.00 12.10 12.20 12.30



#12

2-Methylnaphthalene

Concen: 0.096 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE100148.D

Acq: 22 Jun 2019 00:23

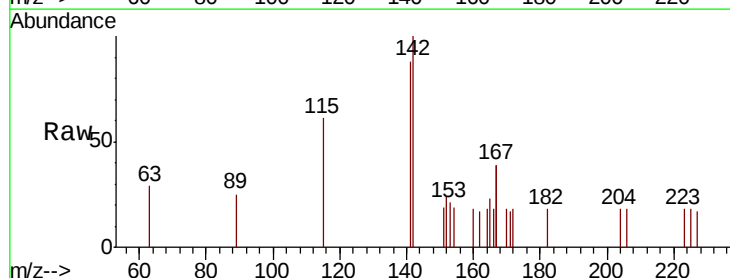
Tgt Ion:142 Resp: 442

Ion Ratio Lower Upper

142 100

141 88.4 74.1 111.1

115 60.7 40.9 61.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.21

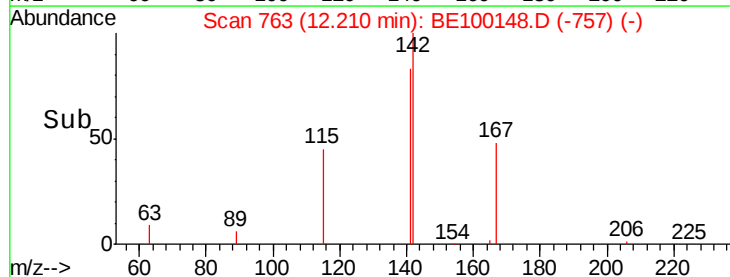
300

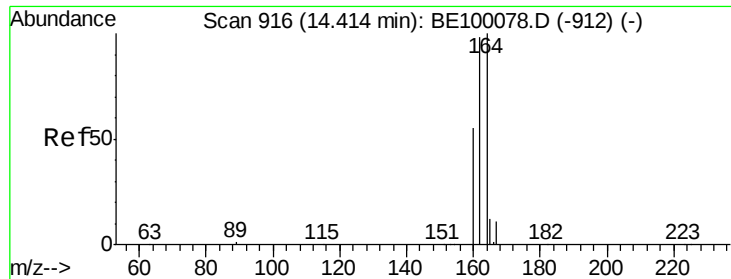
200

100

0

Time--> 12.10 12.20 12.30





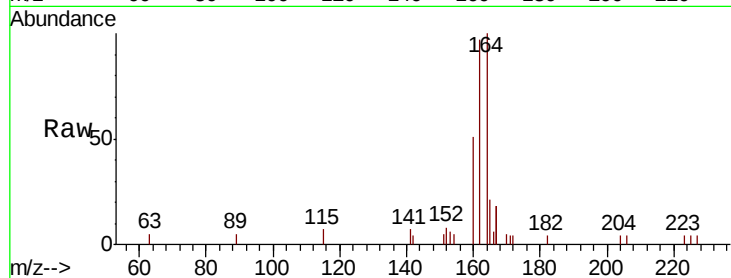
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.01 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

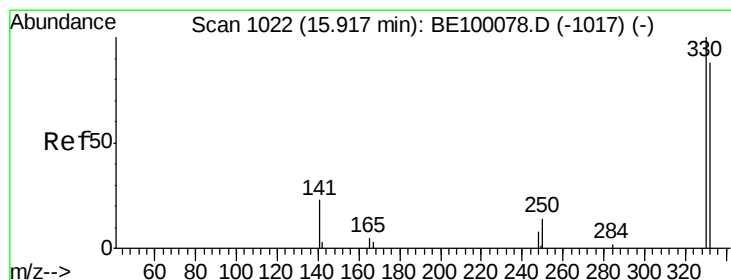
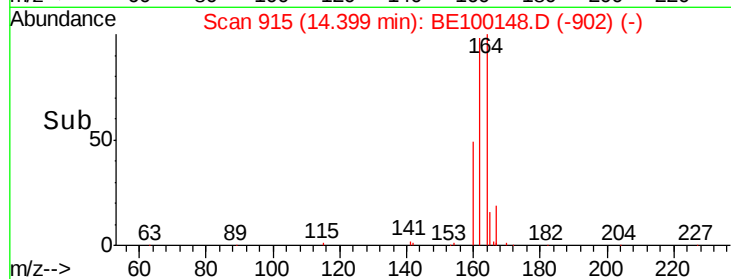
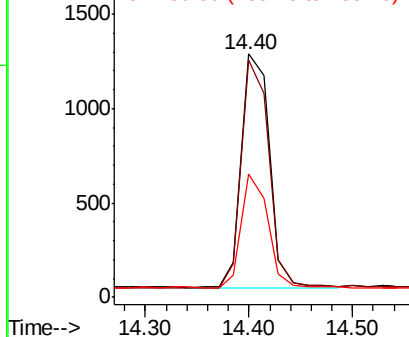
Tot Ion	Ratio	Lower	Upper
164	100		
162	97.4	78.2	117.2
160	50.5	45.6	68.4

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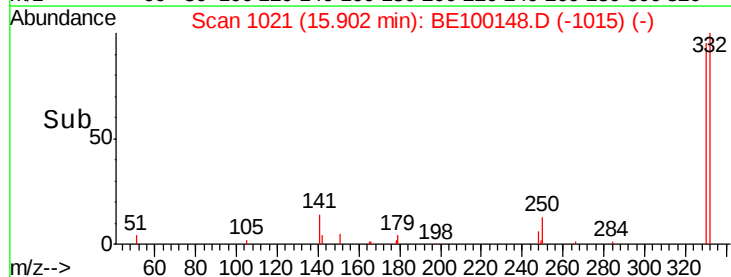
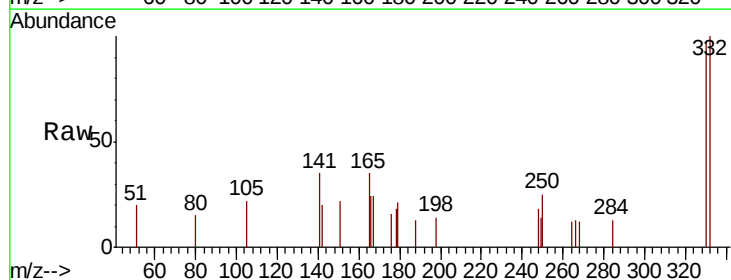
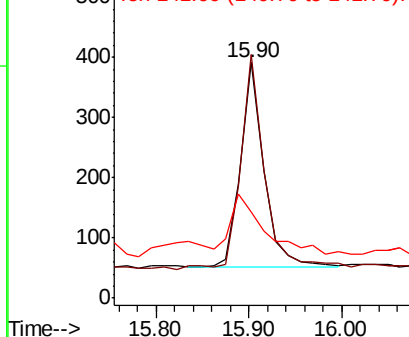
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

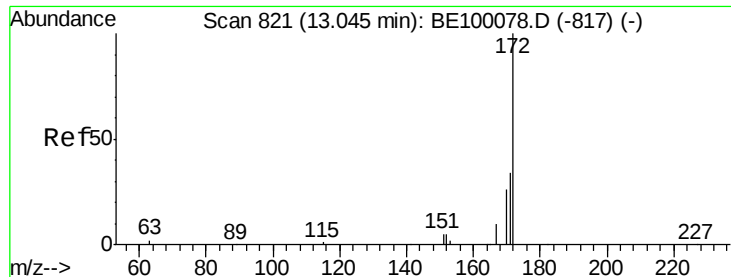


#14
2,4,6-Tribromophenol
Concen: 0.463 ng
RT: 15.90 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	107.0	73.3	109.9
141	39.6	22.2	33.2#

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





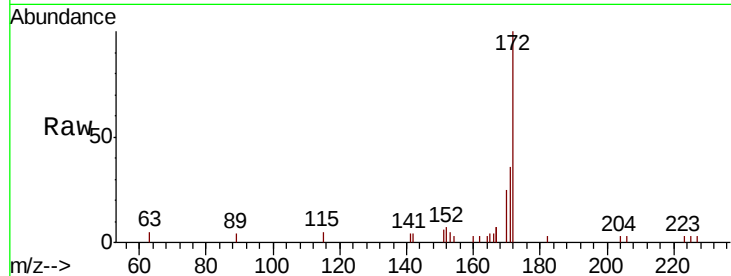
#15
2-Fluorobiphenyl
Concen: 0.307 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.01 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.8	44.8
170	24.8	23.2	34.8

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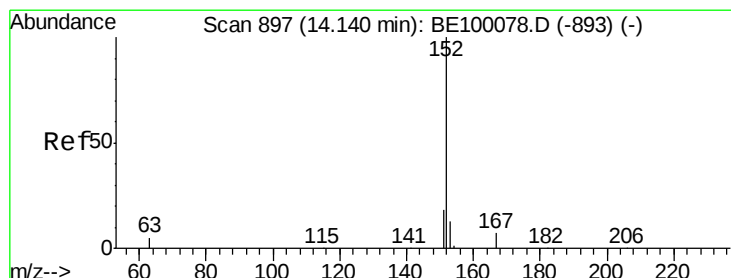
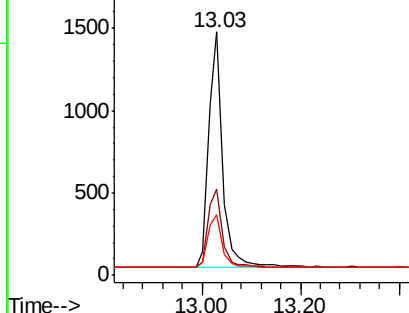
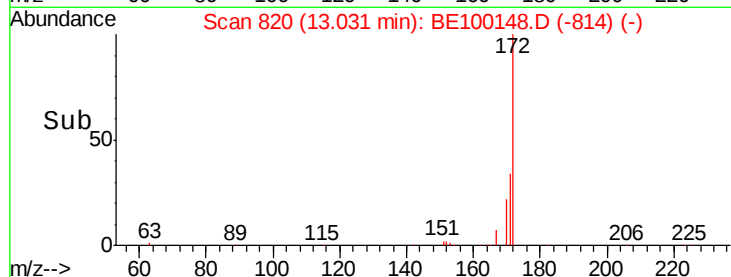


Abundance

Ion 172.00 (171.70 to 172.70): E

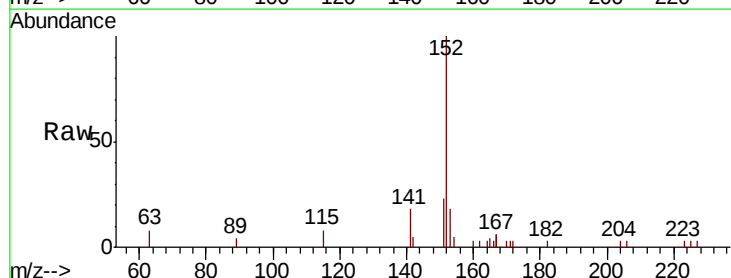
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.271 ng
RT: 14.13 min Scan# 896
Delta R.T. -0.01 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	15.9	10.1	15.1#

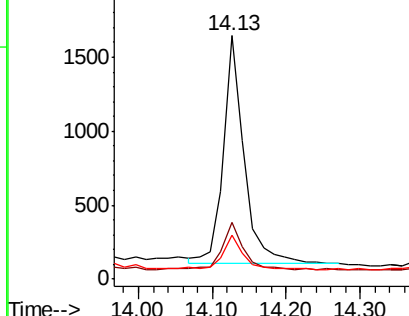
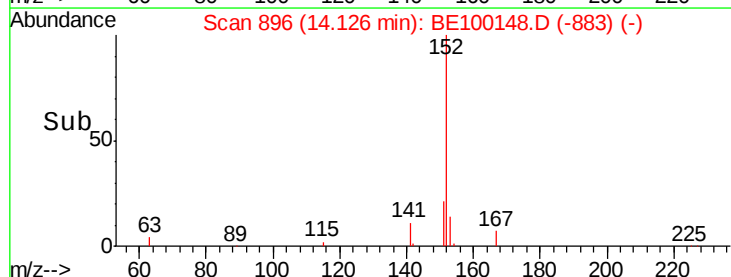


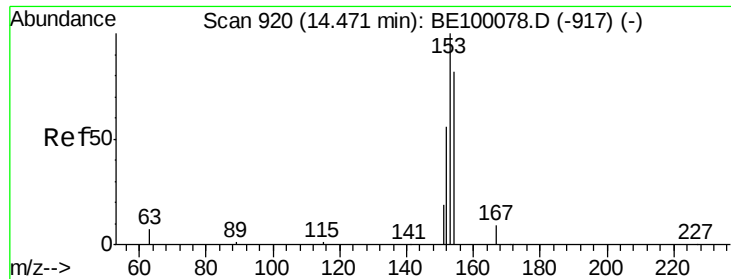
Abundance

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





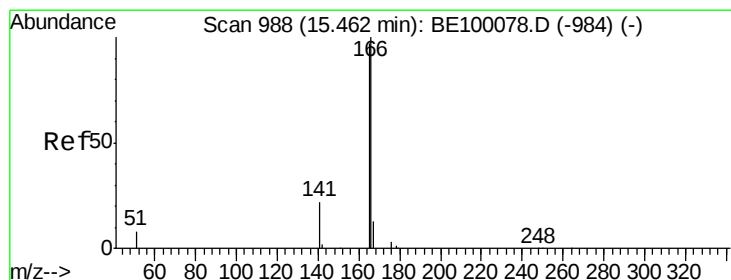
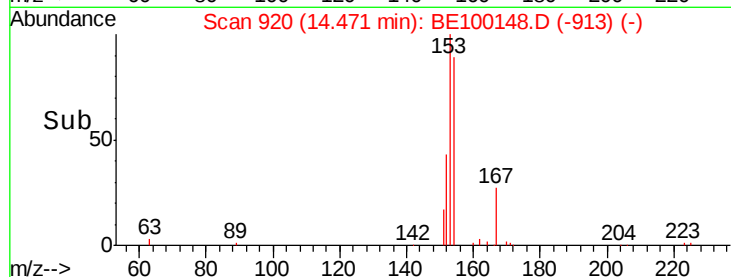
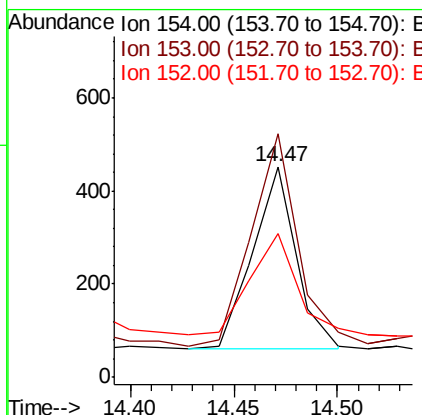
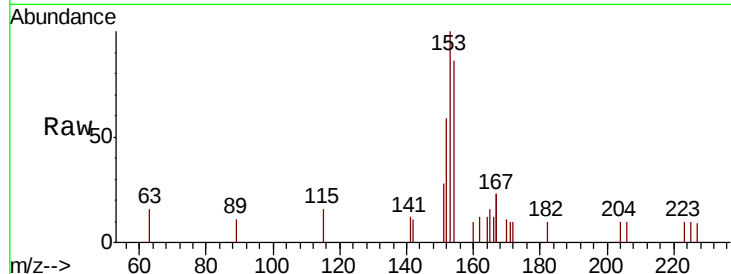
#17
Acenaphthene
Concen: 0.092 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
154	100		
153	125.6	95.5	143.3
152	60.9	54.9	82.3

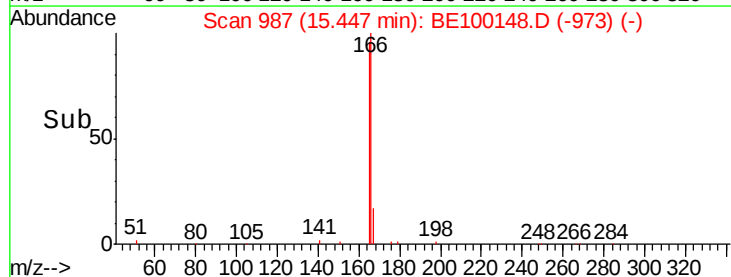
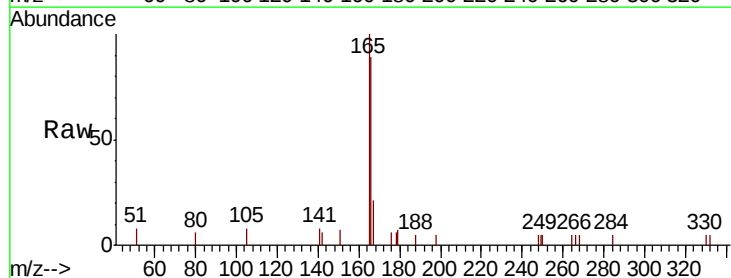
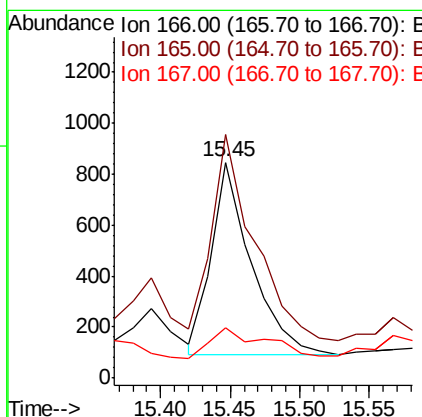
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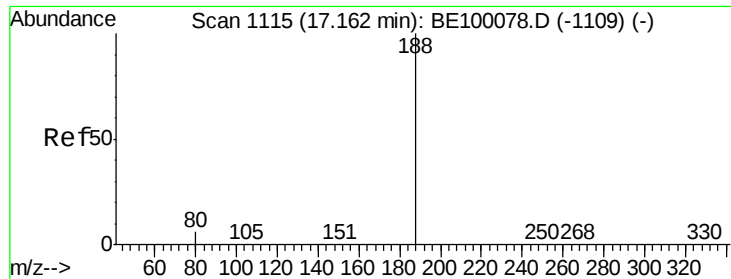
mohammad
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#18
Fluorene
Concen: 0.160 ng
RT: 15.45 min Scan# 987
Delta R.T. -0.01 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Tgt Ion	Ratio	Lower	Upper
166	100		
165	113.9	79.8	119.8
167	22.6	10.2	15.4#





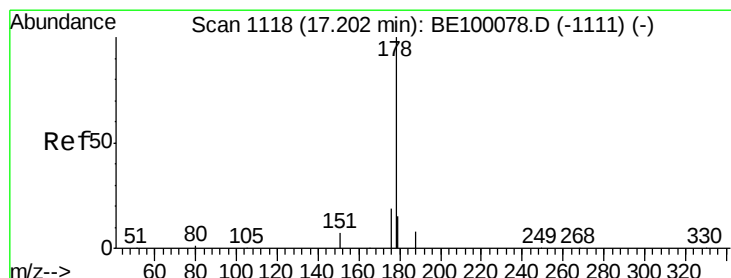
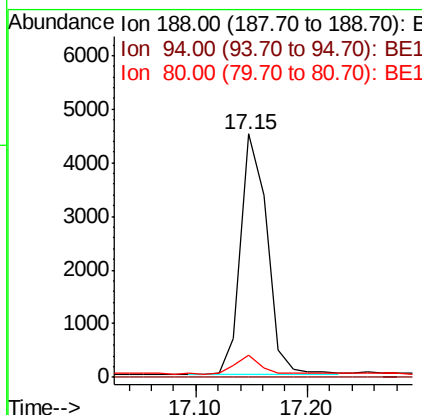
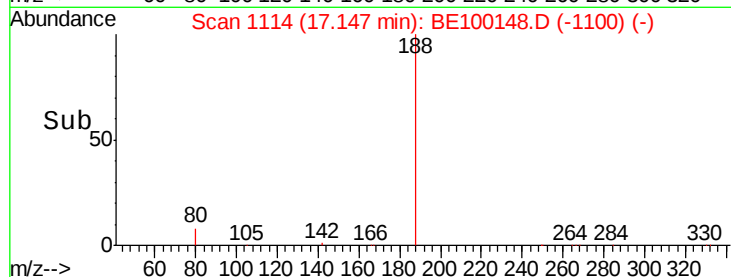
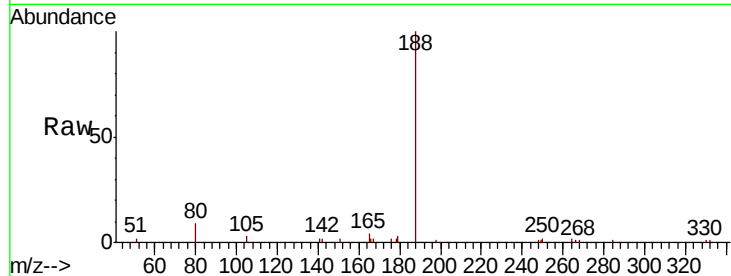
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.15 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion:	188	Resp:	7333
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.2	6.3	9.5

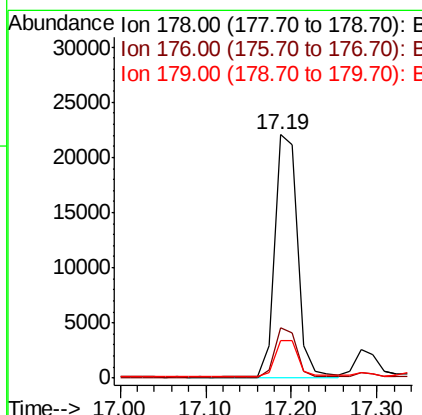
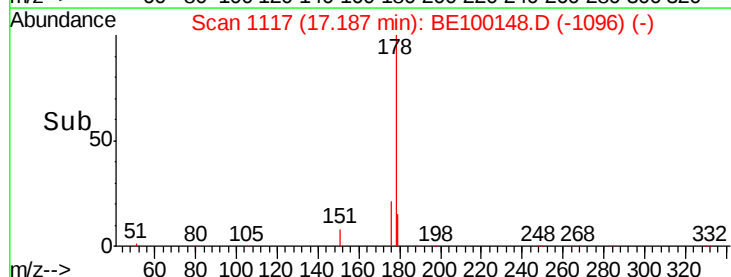
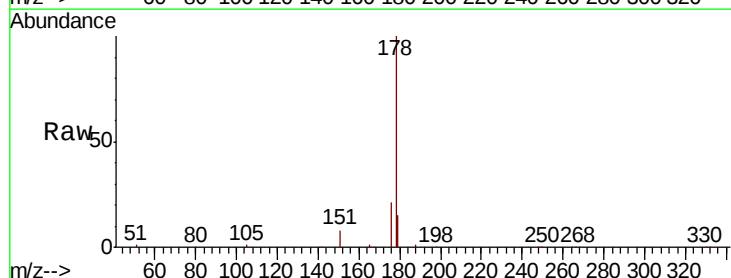
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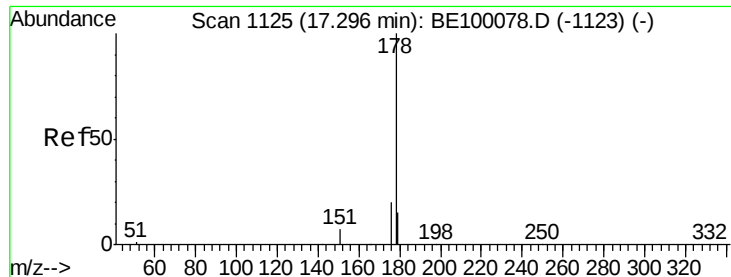
mohammad
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#23
Phenanthrene
Concen: 2.281 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Tgt Ion:	178	Resp:	40068
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.9	23.9
179	15.5	13.1	19.7





#24

Anthracene

Concen: 0.299 ng

RT: 17.28 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BE100148.D

Acq: 22 Jun 2019 00:23

Instrument :

BNA_E

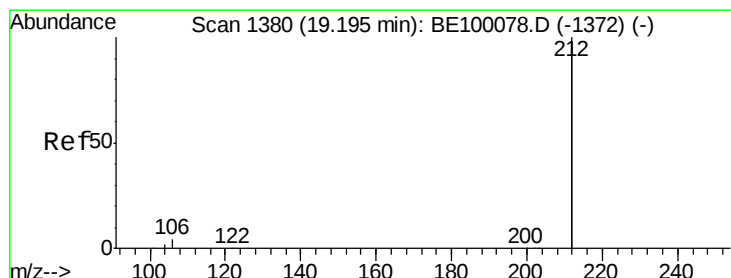
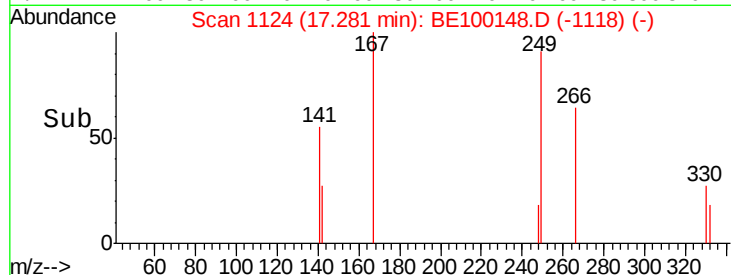
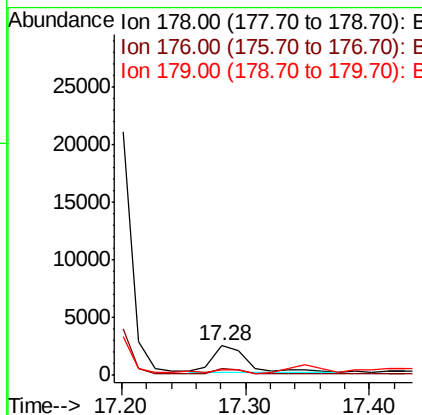
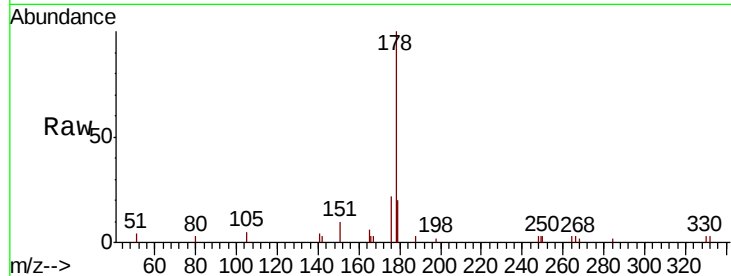
ClientSampleId :

EXT-013-SW159-061319

Tot Ion:	178	Resp:	4437
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.8	23.6
179	13.6	12.0	18.0

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#25

Fluoranthene-d10

Concen: 0.025 ng

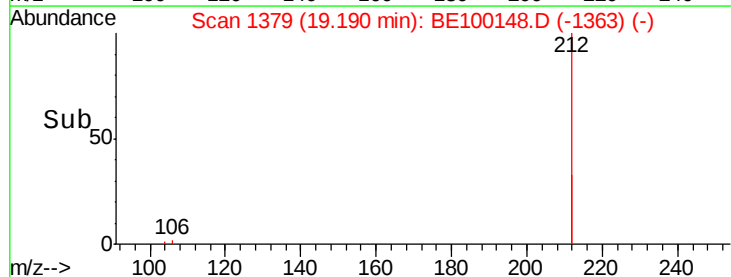
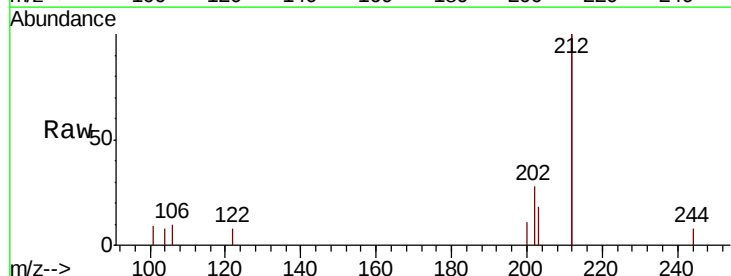
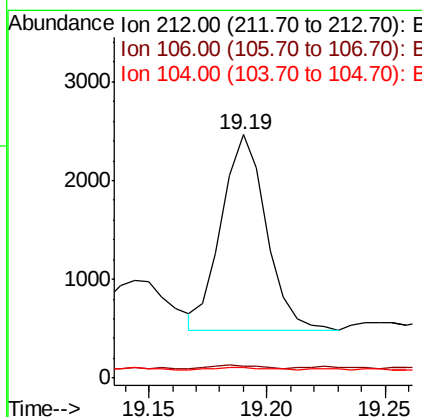
RT: 19.19 min Scan# 1379

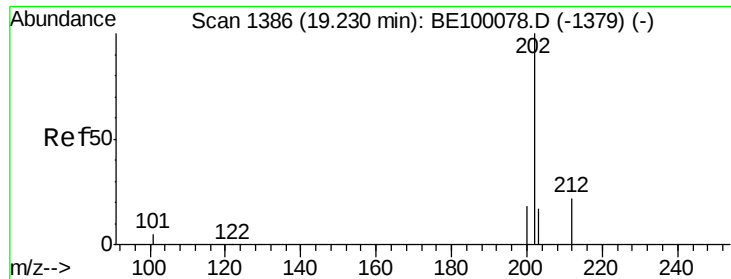
Delta R.T. -0.01 min

Lab File: BE100148.D

Acq: 22 Jun 2019 00:23

Tgt Ion:	212	Resp:	2608
Ion Ratio	Lower	Upper	
212	100		
106	1.6	1.4	2.0
104	1.3	0.8	1.2#





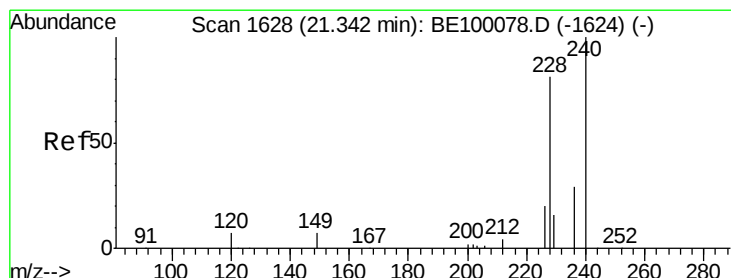
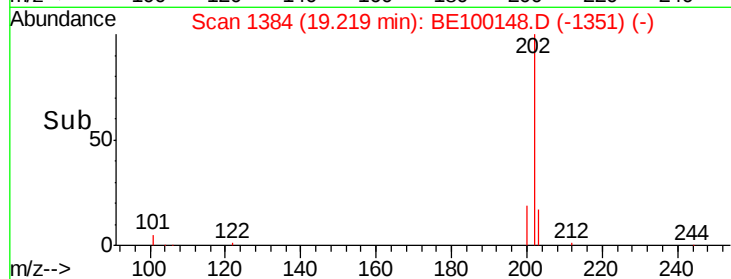
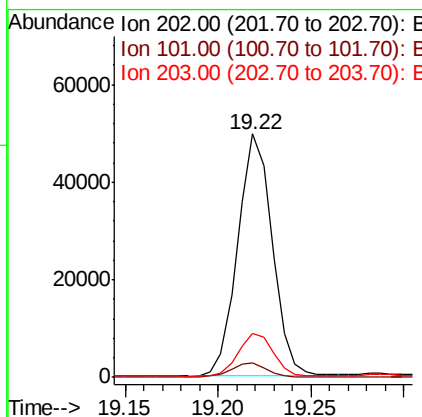
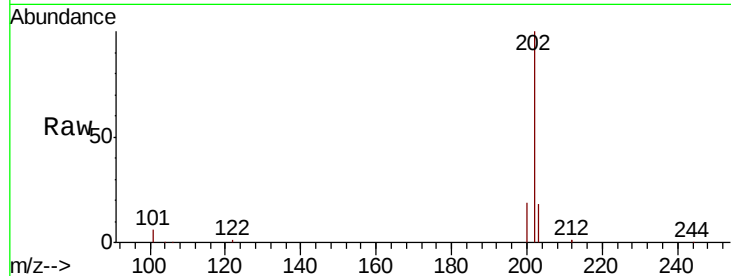
#26
Fluoranthene
Concen: 2.293 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.8	5.0	7.4
203	17.8	13.7	20.5

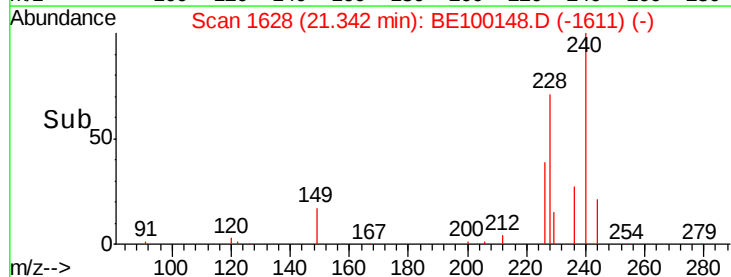
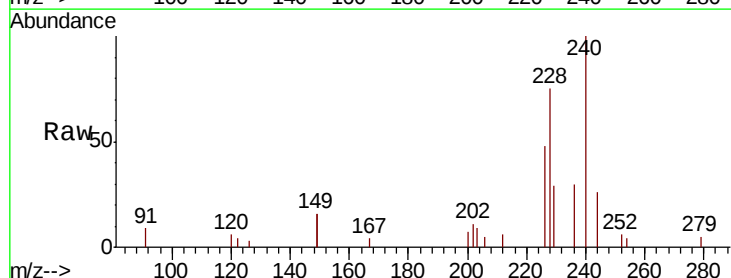
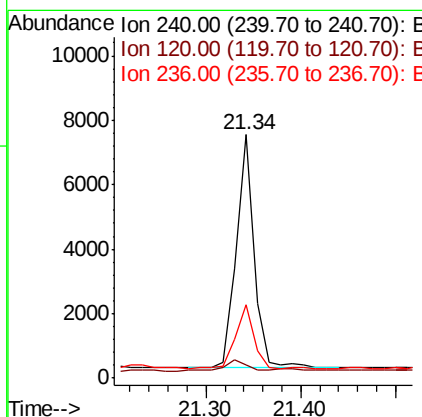
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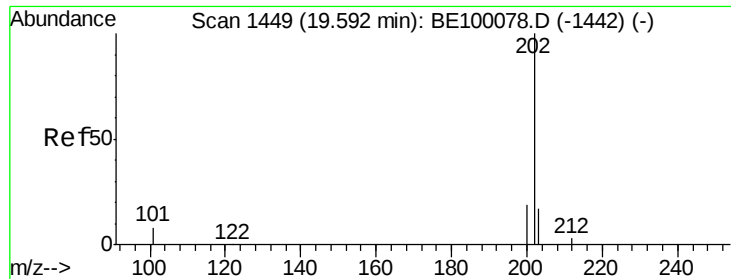
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.6	6.6	10.0#
236	30.0	23.8	35.6





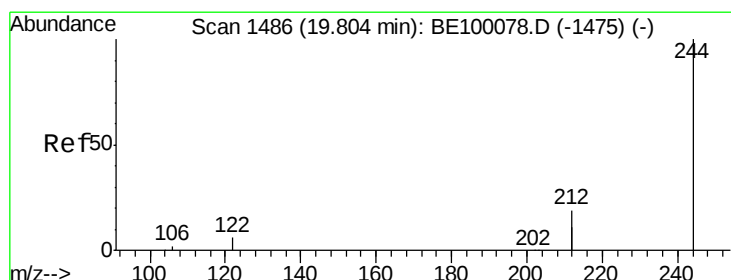
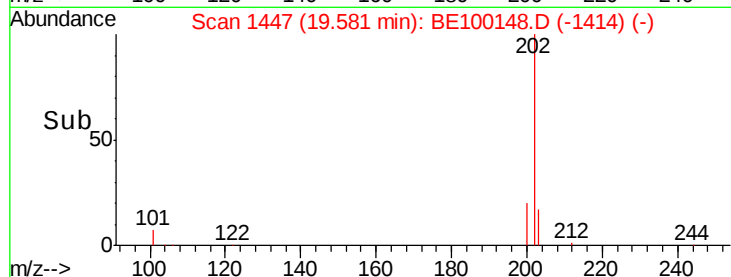
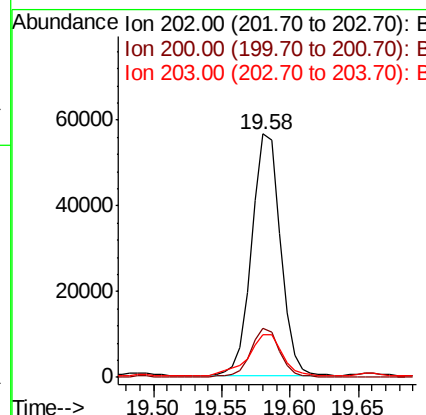
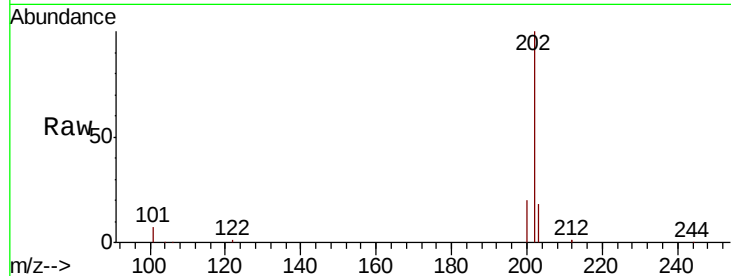
#28
Pvrene
Concen: 3.345 ng
RT: 19.58 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.6	23.4
203	21.0	13.9	20.9

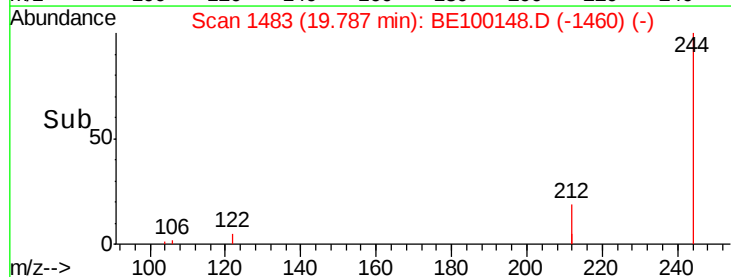
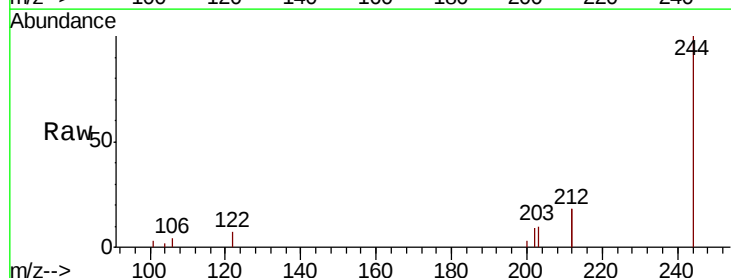
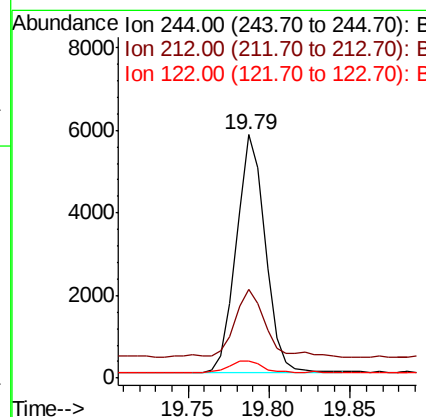
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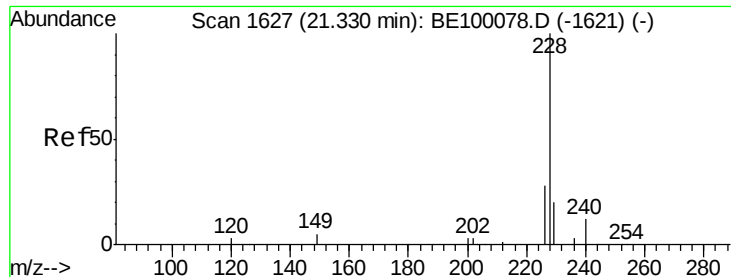
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#29
Terphenyl-d14
Concen: 0.375 ng
RT: 19.79 min Scan# 1483
Delta R.T. -0.02 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	36.7	29.8	44.8
122	7.1	6.1	9.1





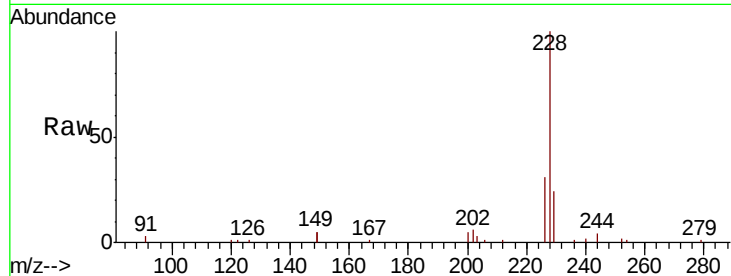
#30
Benzo(a)anthracene
Concen: 1.478 ng
RT: 21.32 min Scan# 1626
Delta R.T. -0.01 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.0	34.4
229	23.6	16.4	24.6

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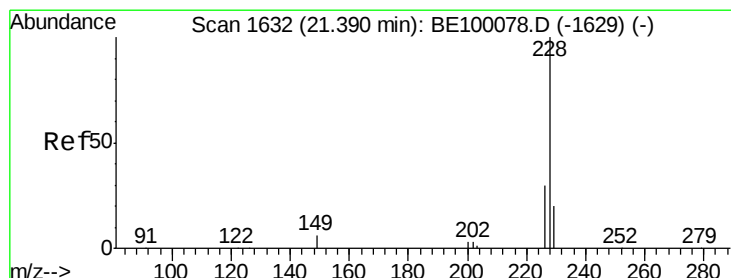
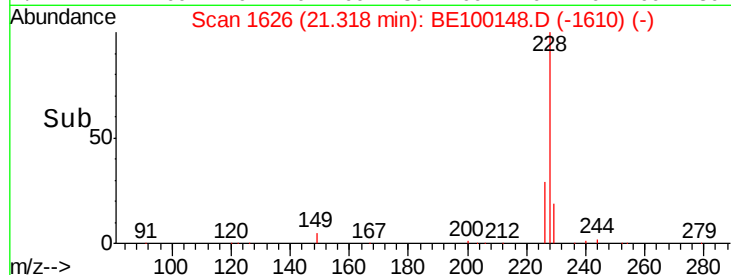
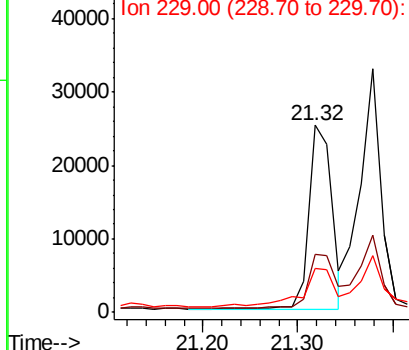


Abundance

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: 1.506 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

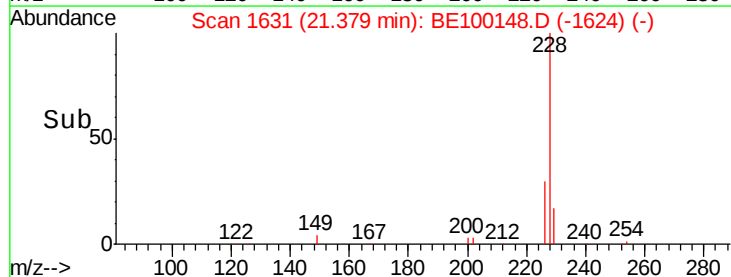
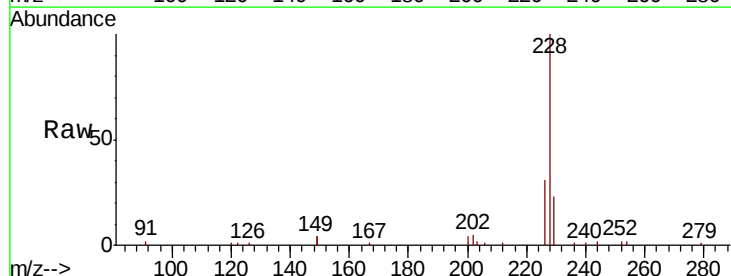
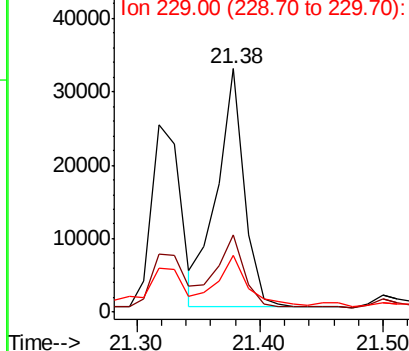
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.8	35.8
229	23.2	16.3	24.5

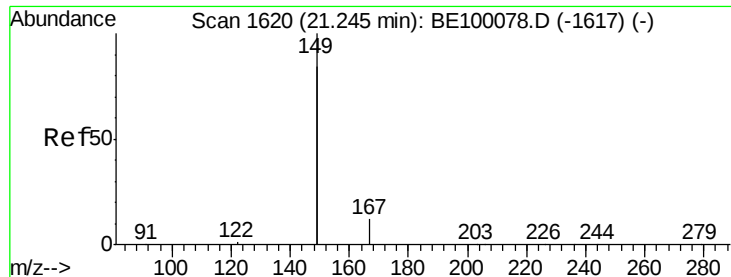
Abundance

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





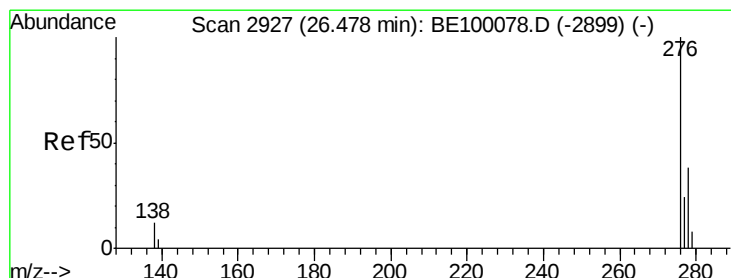
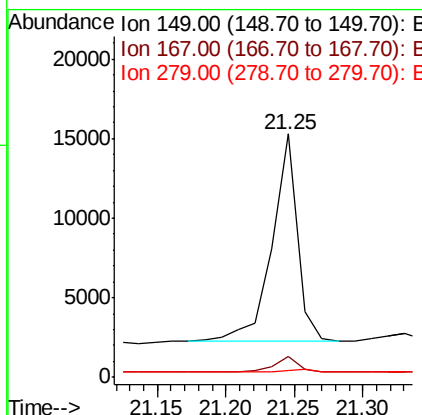
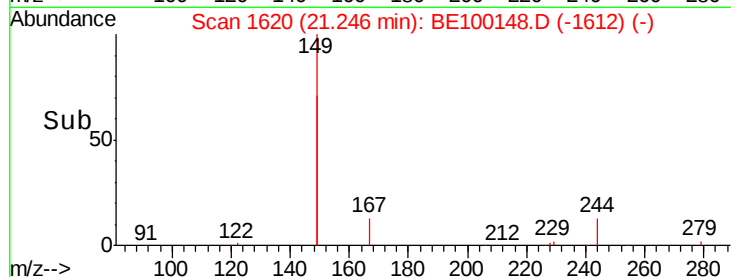
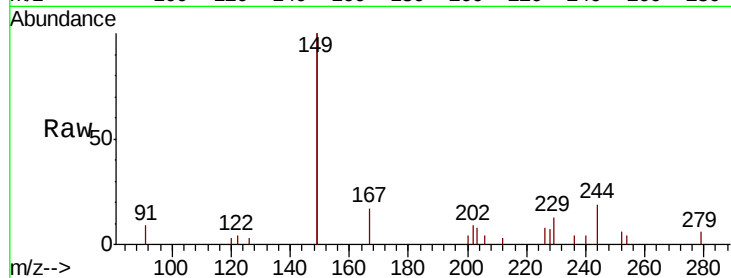
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.627 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.8	8.6
279	1.6	1.1	1.7

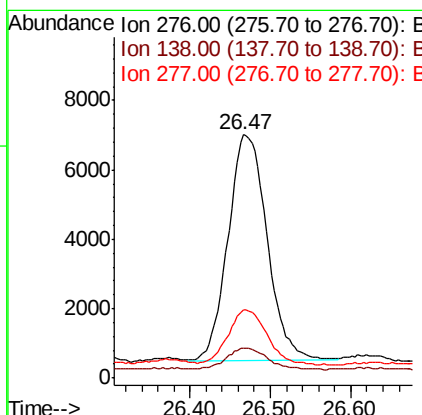
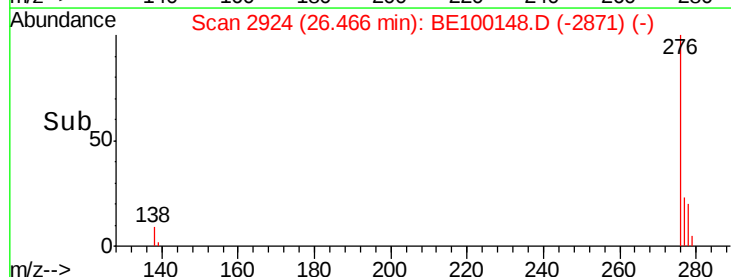
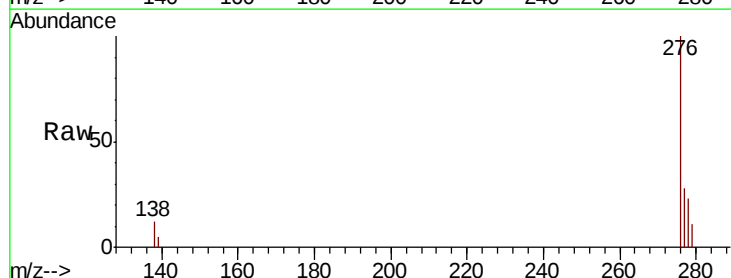
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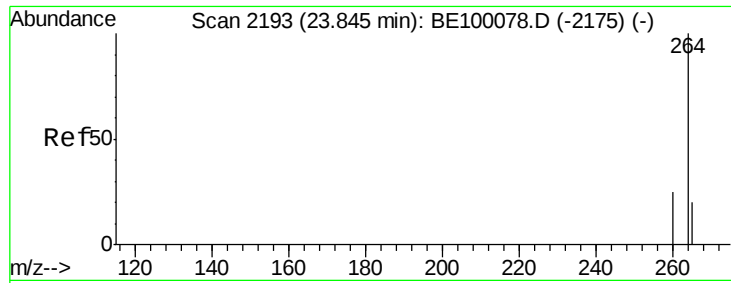
mohammad
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#33
Indeno(1,2,3-cd)pyrene
Concen: 0.592 ng
RT: 26.47 min Scan# 2924
Delta R.T. -0.01 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.2	4.3	6.5#
277	24.2	19.4	29.0





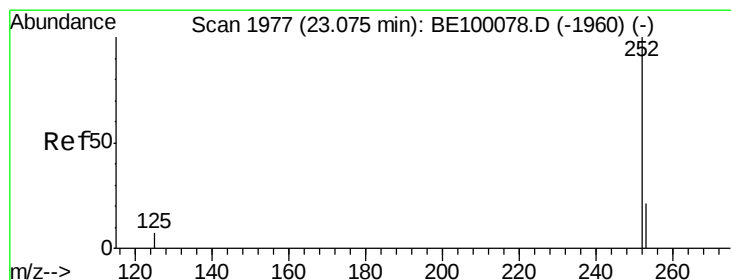
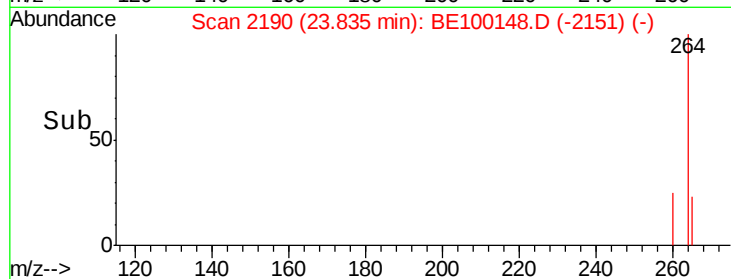
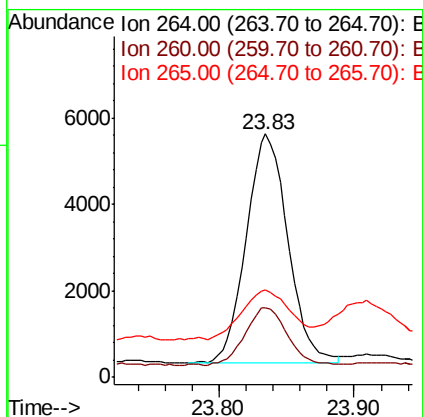
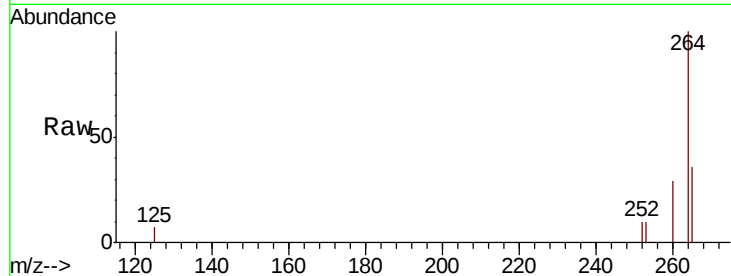
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.83 min Scan# 2190
 Delta R.T. -0.01 min
 Lab File: BE100148.D
 Acq: 22 Jun 2019 00:23

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.5	20.8	31.2
265	35.7	23.2	34.8

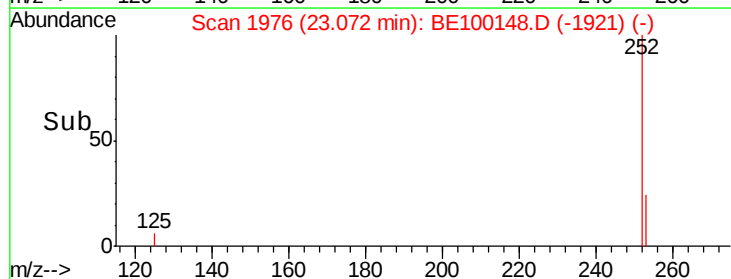
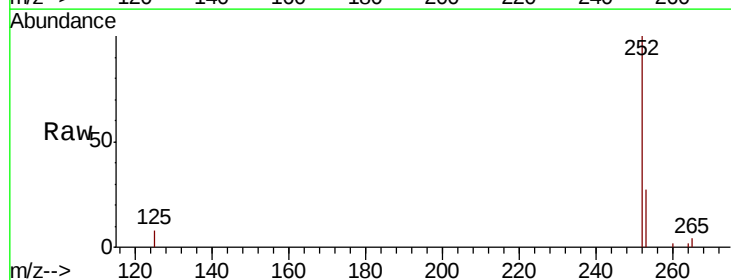
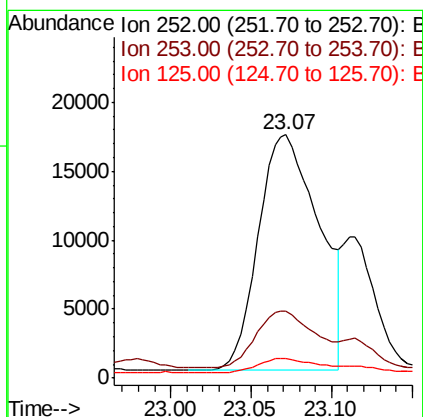
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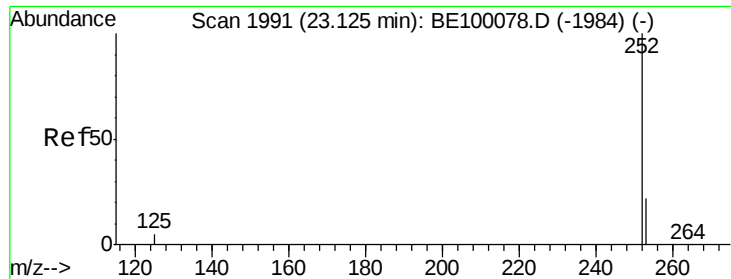
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 1.346 ng
 RT: 23.07 min Scan# 1976
 Delta R.T. -0.00 min
 Lab File: BE100148.D
 Acq: 22 Jun 2019 00:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	18.4	27.6
125	7.9	6.4	9.6





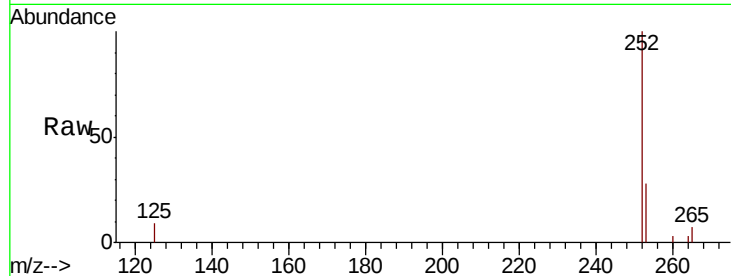
#36
Benzo(k)fluoranthene
Concen: 0.369 ng m
RT: 23.11 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

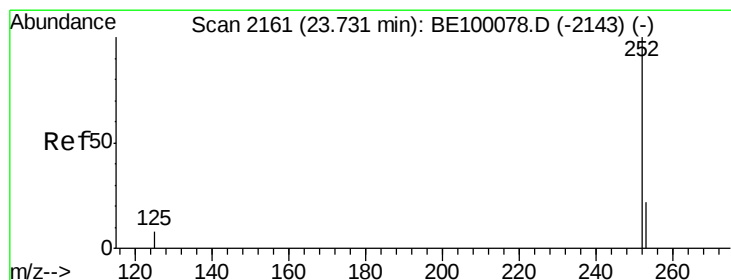
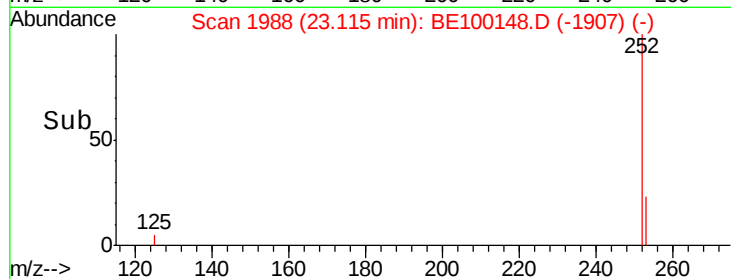
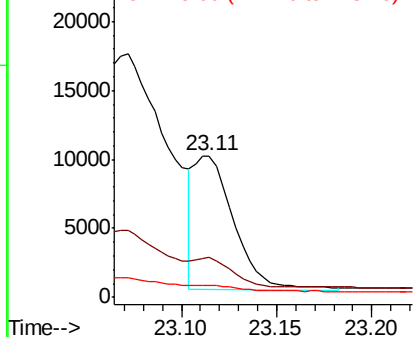
Tot Ion	Ratio	Lower	Upper
252	100		
253	28.3	18.9	28.3
125	8.8	5.3	7.9

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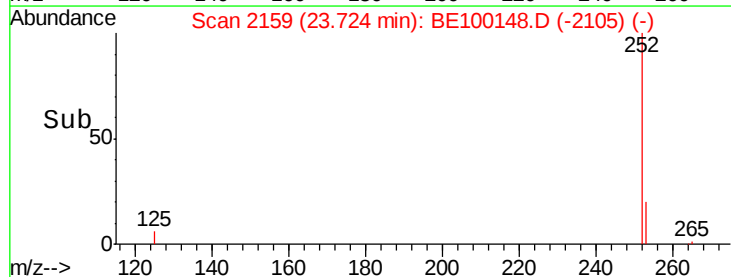
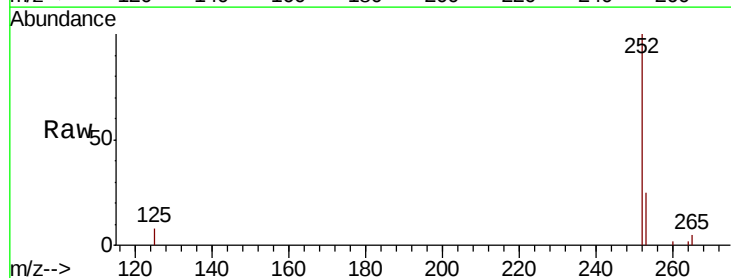
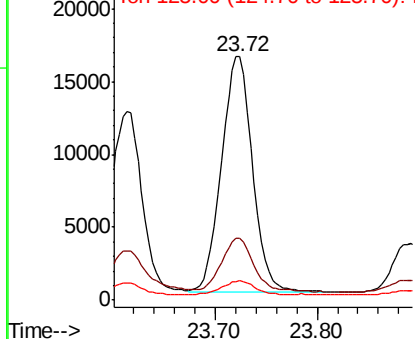
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

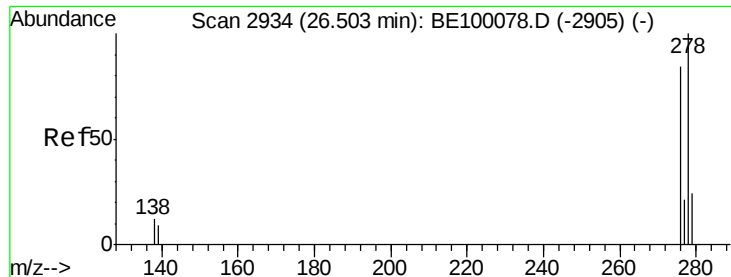


#37
Benzo(a)pyrene
Concen: 1.053 ng
RT: 23.72 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	19.4	29.2
125	8.1	8.0	12.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





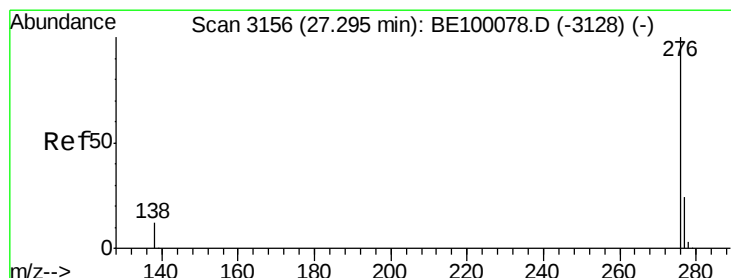
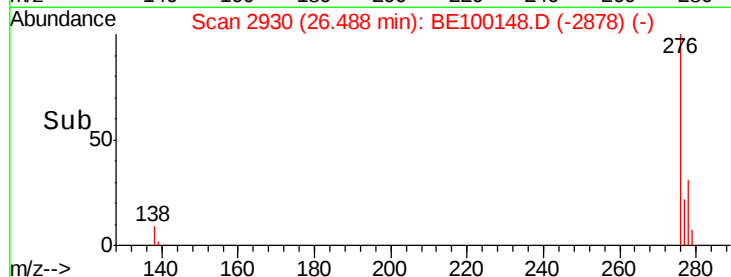
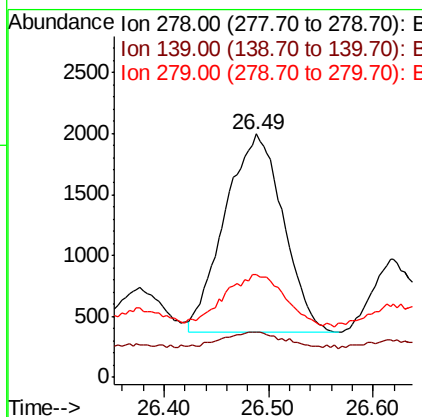
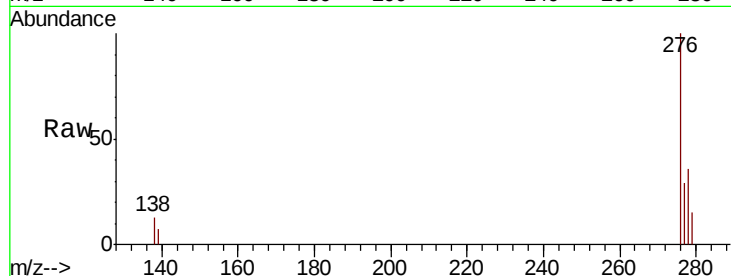
#38
Dibenzo(a,h)anthracene
Concen: 0.191 ng
RT: 26.49 min Scan# 2930
Delta R.T. -0.02 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW159-061319

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.8	9.0	13.6#
279	42.1	21.4	32.0#

Manual Integrations
APPROVED

mohammad
6/25/2019 3:21:32 PM



#39
Benzo(g,h,i)perylene
Concen: 0.701 ng
RT: 27.29 min Scan# 3154
Delta R.T. -0.01 min
Lab File: BE100148.D
Acq: 22 Jun 2019 00:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.0	20.3	30.5
138	11.6	11.3	16.9

