

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
 Data File : BE100247.D
 Acq On : 28 Jun 2019 22:38
 Operator : JU/SJ
 Sample : K3445-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-007-SW124-061819

Manual Integrations
 APPROVED

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 7/1/2019 3:07:12 PM

Quant Time: Jun 29 01:02:13 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	766	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	2743	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2250	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6465	0.40	ng	0.00
27) Chrysene-d12	21.24	240	8427	0.40	ng	0.00
34) Perylene-d12	23.67	264	10042	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.21	112	563	0.29	ng	0.00
5) Phenol-d6	6.83	99	775	0.30	ng	-0.01
8) Nitrobenzene-d5	8.81	82	822	0.30	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	2058	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	488	0.31	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	2508	0.29	ng	0.00
25) Fluoranthene-d10	19.10	212	34520	0.37	ng	0.00
29) Terphenyl-d14	19.70	244	4920	0.28	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	4522	0.149	ng	98
12) 2-Methylnaphthalene	12.12	142	554	0.104	ng	92
16) Acenaphthylene	14.04	152	2892	0.268	ng	98
17) Acenaphthene	14.38	154	2086	0.341	ng	98
18) Fluorene	15.35	166	3327	0.368	ng	# 94
23) Phenanthrene	17.09	178	81558	5.205	ng	100
24) Anthracene	17.19	178	15765	1.117	ng	# 92
26) Fluoranthene	19.13	202	145067	5.812	ng	99
28) Pyrene	19.49	202	125178	5.611	ng	# 95
30) Benzo(a)anthracene	21.23	228	88673	3.200	ng	98
31) Chrysene	21.28	228	70268	2.526	ng	98
32) Bis(2-ethylhexyl)phthalate	21.15	149	6835	0.117	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.22	276	43402	1.179	ng	# 97
35) Benzo(b)fluoranthene	22.93	252	91560	3.363	ng	# 97
36) Benzo(k)fluoranthene	22.97	252	29654m	0.976	ng	
37) Benzo(a)pyrene	23.56	252	65704	2.408	ng	# 96
38) Dibenzo(a,h)anthracene	26.24	278	11522	0.404	ng	# 90
39) Benzo(a,h,i)perylene	27.02	276	40567	1.386	ng	98

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

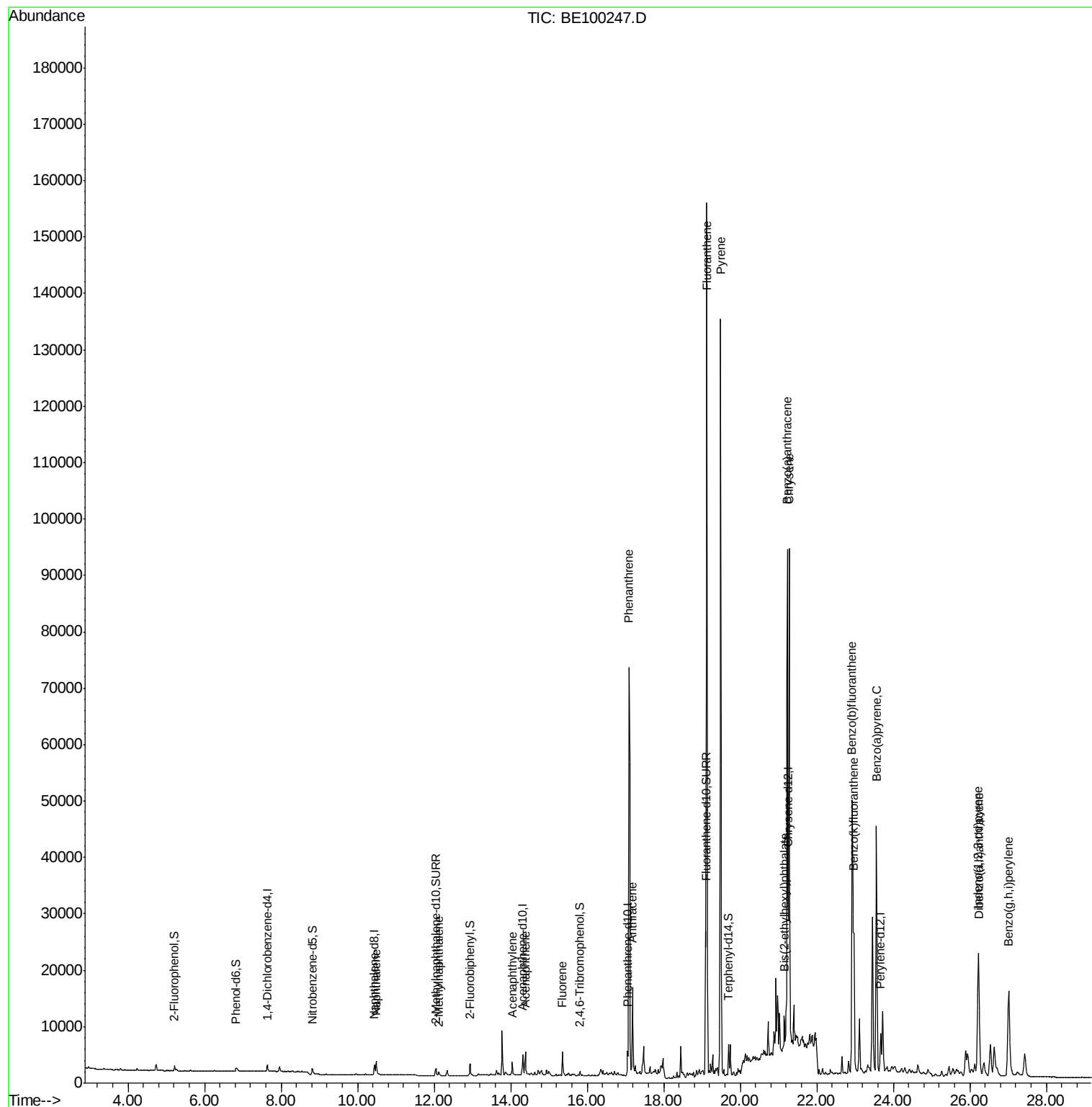
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
Data File : BE100247.D
Acq On : 28 Jun 2019 22:38
Operator : JU/SJ
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#1

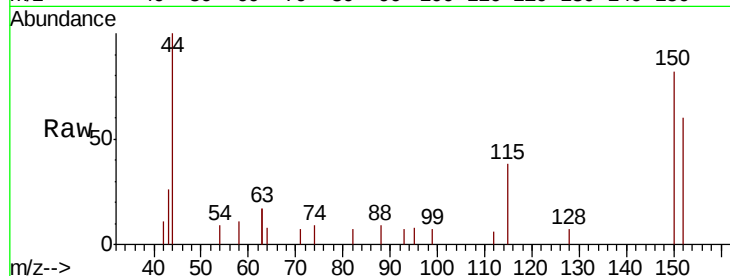
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

Instrument :
BNA_E
ClientSampleId :
EXT-007-SW124-061819

Tot Ion	Ratio	Lower	Upper
152	100		
150	135.4	114.5	171.7
115	62.6	57.1	85.7

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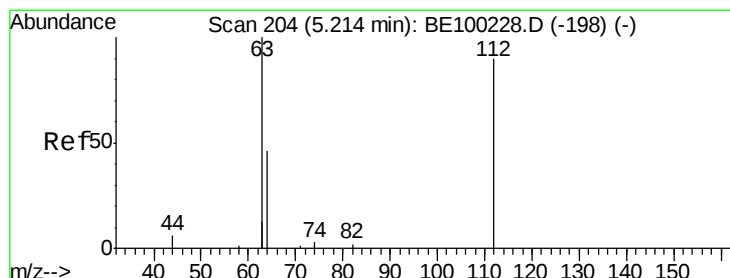
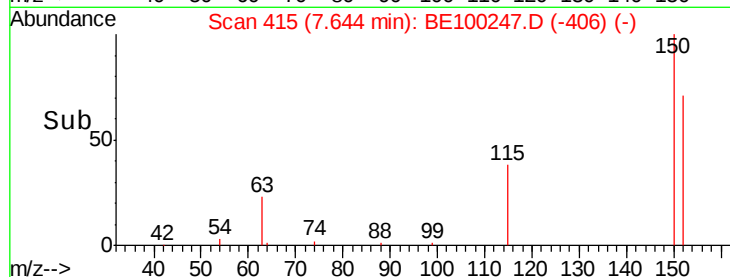
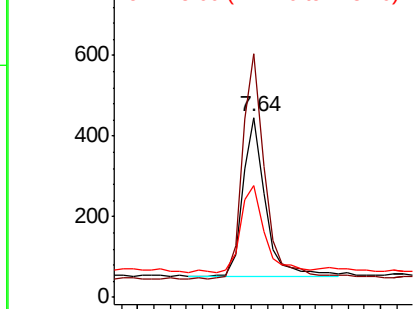


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

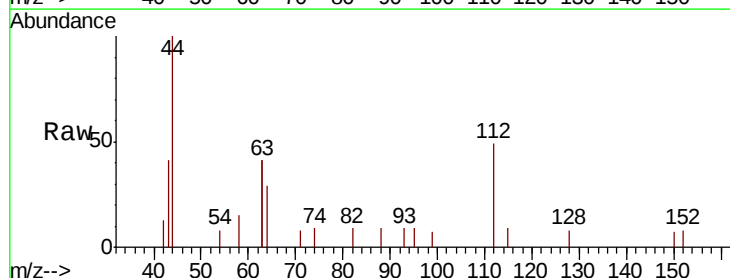
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.288 ng
RT: 5.21 min Scan# 204
Delta R.T. -0.00 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	39.4	59.0#
63	117.4	104.5	156.7

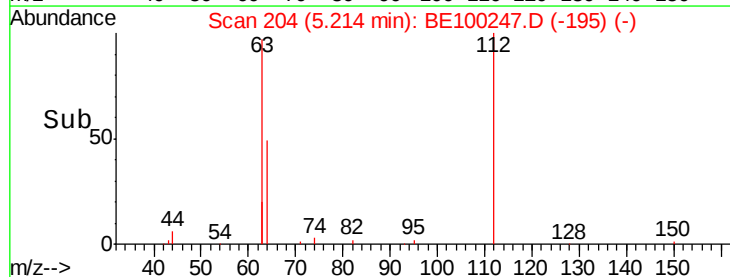
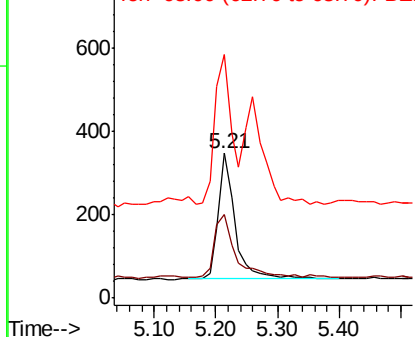


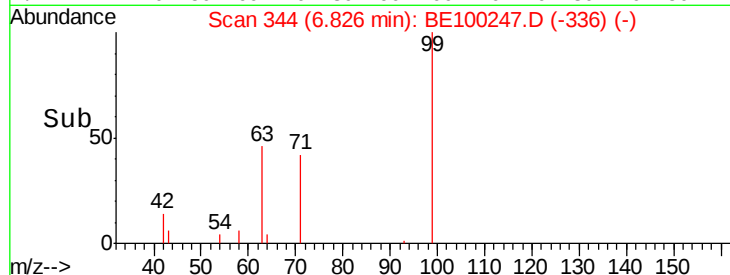
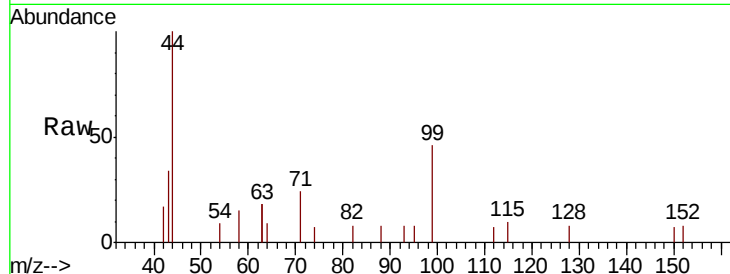
Abundance

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





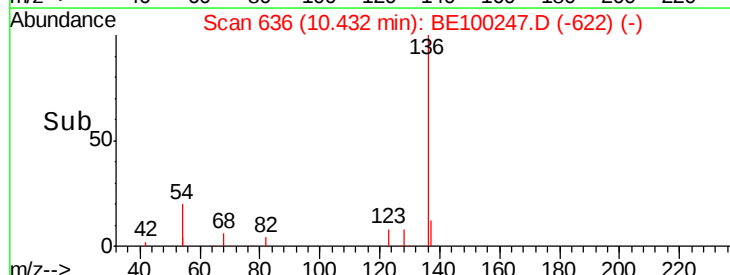
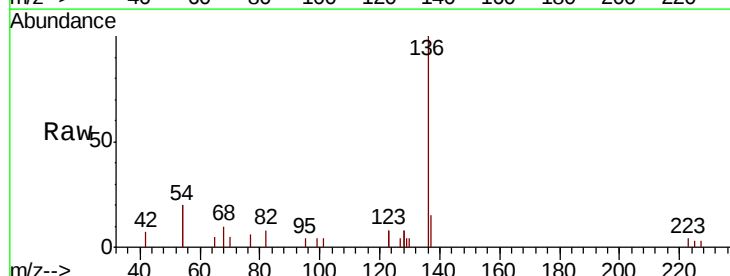
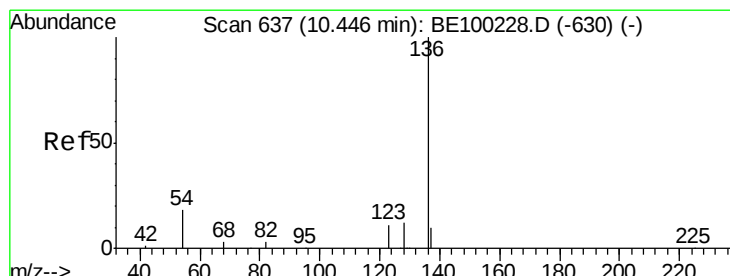
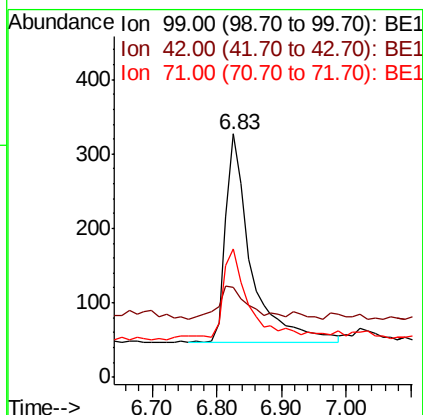
#5
Phenol-d6
Concen: 0.302 ng
RT: 6.83 min Scan# 344
Delta R.T. -0.01 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

Tot Ion:	99	Resp:	775
Ion	Ratio	Lower	Upper
99	100		
42	18.6	11.2	16.8#
71	40.5	37.2	55.8

Instrument :
BNA_E
ClientSampleId :
EXT-007-SW124-061819

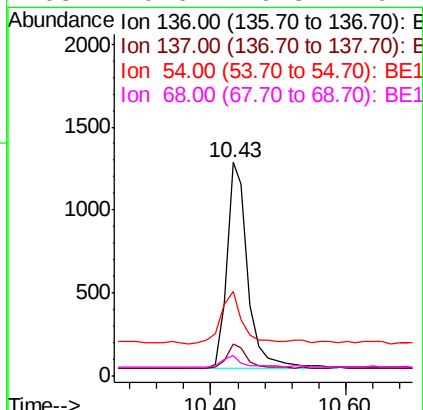
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.43 min Scan# 636
Delta R.T. -0.01 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

Tgt Ion:	136	Resp:	2743
Ion	Ratio	Lower	Upper
136	100		
137	15.1	11.8	17.8
54	39.3	27.7	41.5
68	9.6	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.302 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100247.D

Acq: 28 Jun 2019 22:38

Instrument :

BNA_E

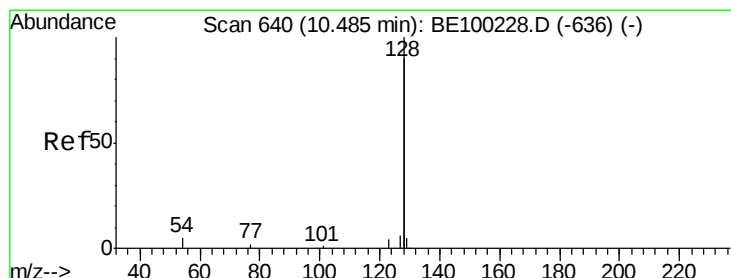
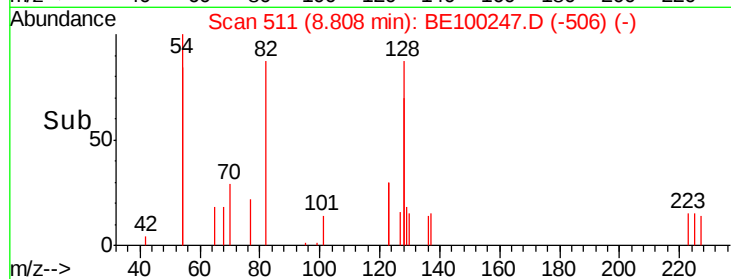
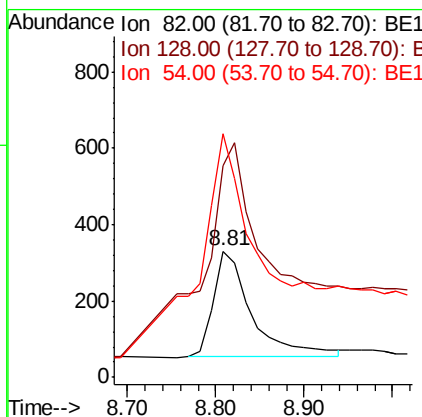
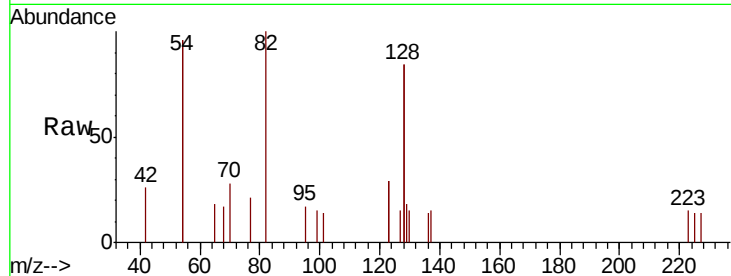
ClientSampleId :

EXT-007-SW124-061819

Tot Ion:	82	Resp:	822
Ion	Ratio	Lower	Upper
82	100		
128	167.4	140.9	211.3
54	192.7	146.2	219.2

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#9

Naphthalene

Concen: 0.149 ng

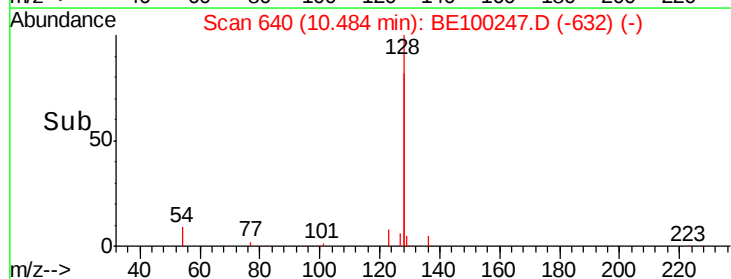
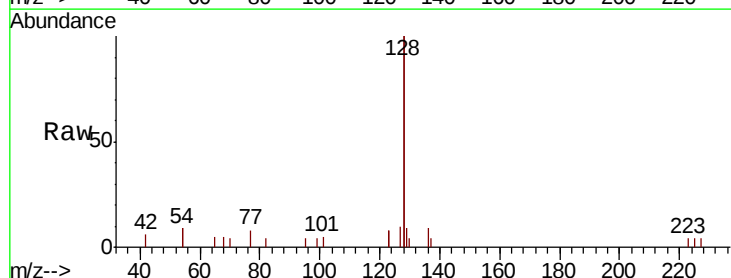
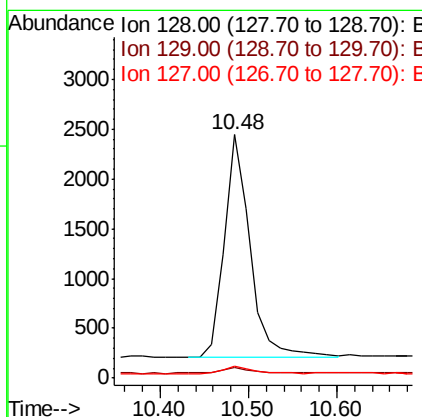
RT: 10.48 min Scan# 640

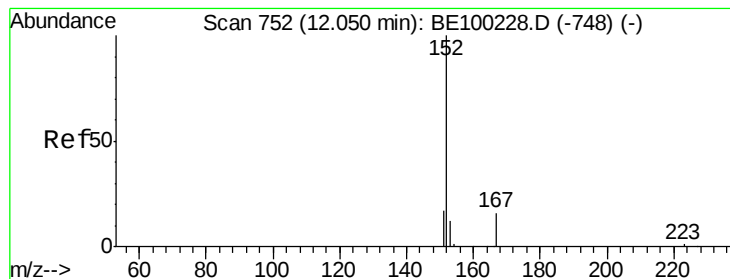
Delta R.T. -0.00 min

Lab File: BE100247.D

Acq: 28 Jun 2019 22:38

Tgt Ion:	128	Resp:	4522
Ion	Ratio	Lower	Upper
128	100		
129	4.5	3.0	4.6
127	5.2	3.5	5.3





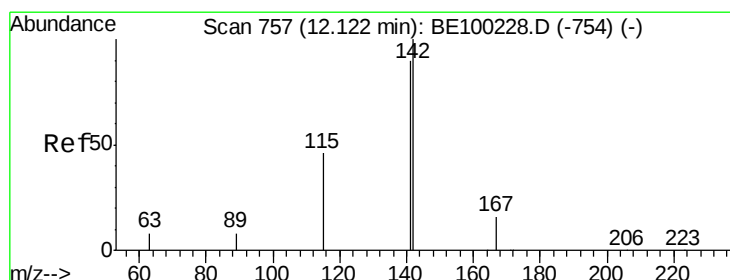
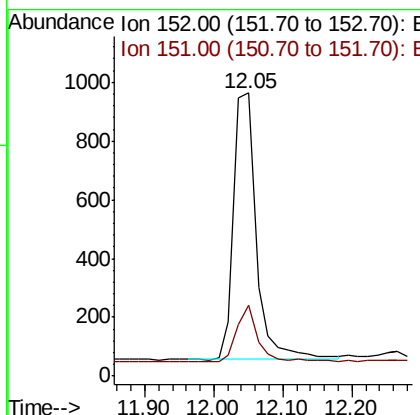
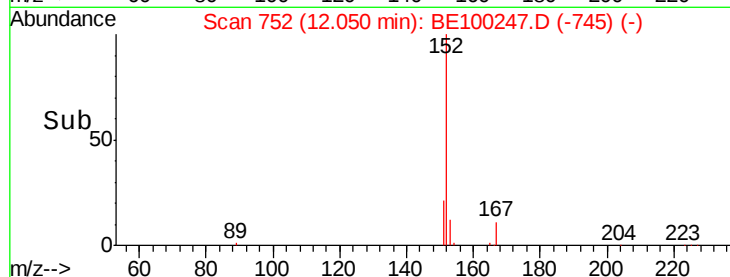
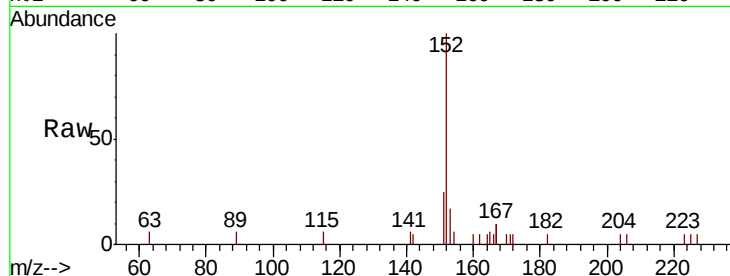
#11
2-Methylnaphthalene-d10
Concen: 0.399 ng
RT: 12.05 min Scan# 752
Delta R.T. -0.00 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

Instrument :
BNA_E
ClientSampleId :
EXT-007-SW124-061819

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.1	22.7

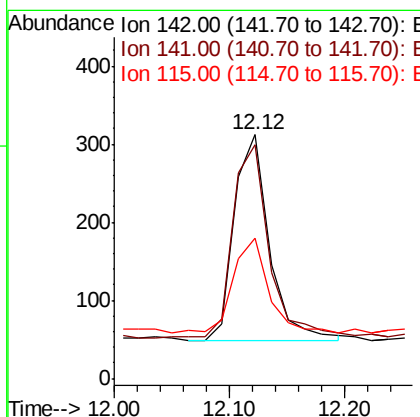
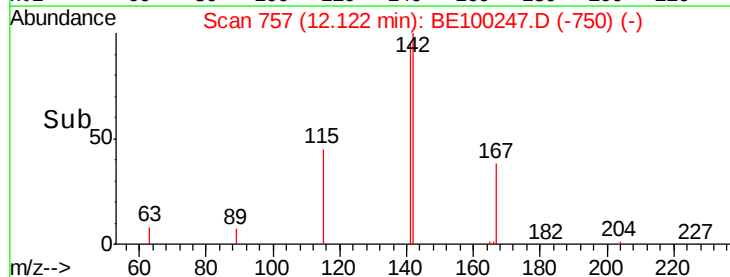
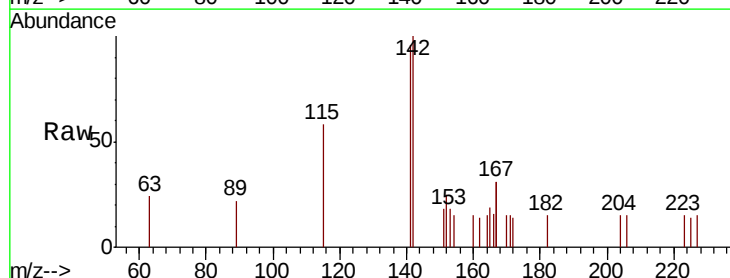
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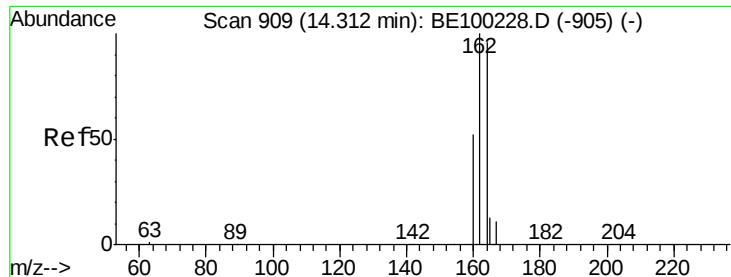
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#12
2-Methylnaphthalene
Concen: 0.104 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.00 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.2	72.4	108.6
115	57.7	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: BE100247.D

Acq: 28 Jun 2019 22:38

Instrument :

BNA_E

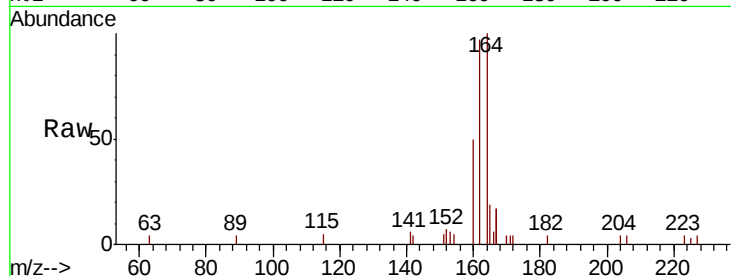
ClientSampleId :

EXT-007-SW124-061819

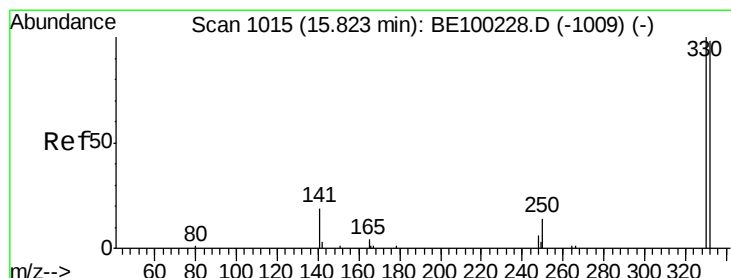
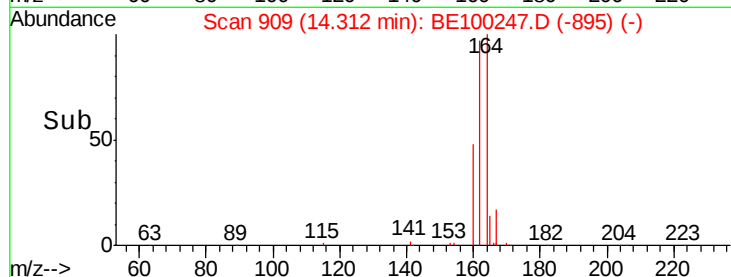
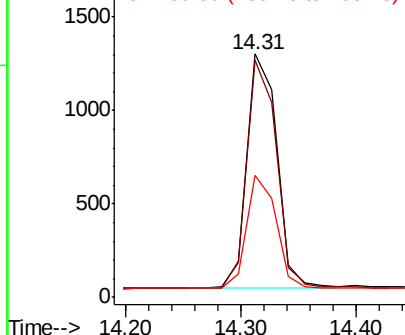
Tot Ion:	164	Resp:	2250
Ion	Ratio	Lower	Upper
164	100		
162	97.3	83.4	125.0
160	50.0	45.0	67.6

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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: 0.310 ng

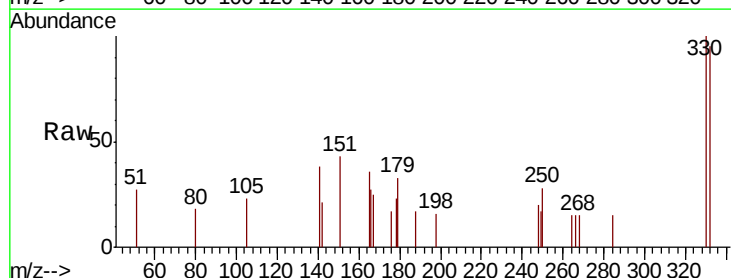
RT: 15.81 min Scan# 1014

Delta R.T. -0.01 min

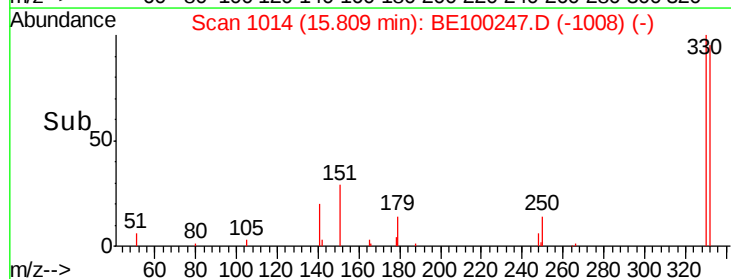
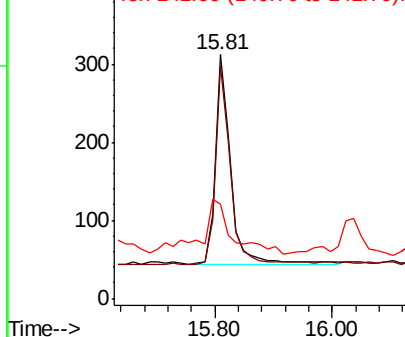
Lab File: BE100247.D

Acq: 28 Jun 2019 22:38

Tgt Ion:	330	Resp:	488
Ion	Ratio	Lower	Upper
330	100		
332	93.2	77.0	115.4
141	40.6	22.0	33.0#



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





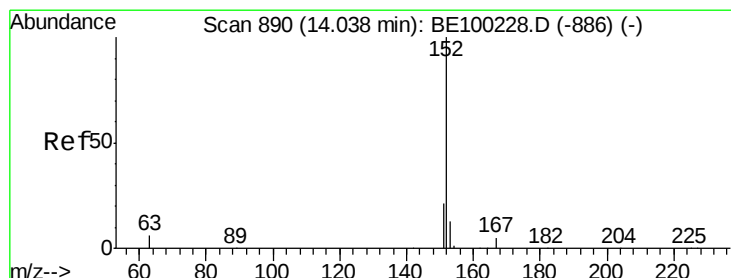
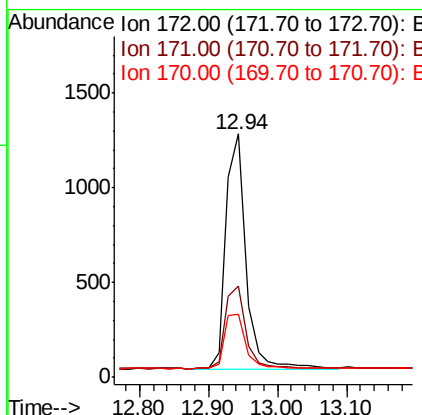
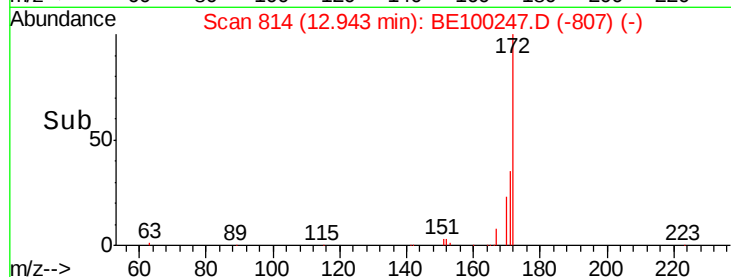
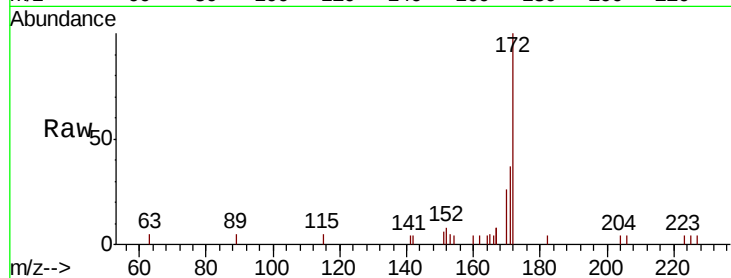
#15
2-Fluorobiphenyl
Concen: 0.286 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.00 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

Instrument :
BNA_E
ClientSampleId :
EXT-007-SW124-061819

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	31.9	47.9
170	26.1	22.2	33.2

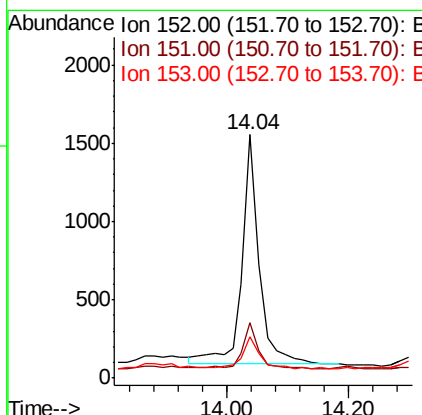
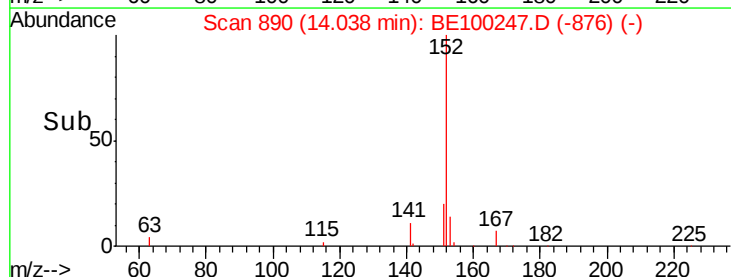
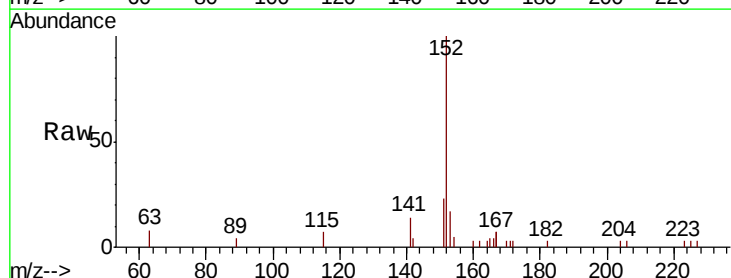
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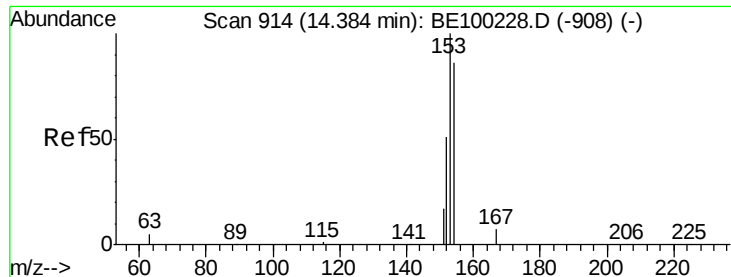
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#16
Acenaphthylene
Concen: 0.268 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.6	25.0
153	13.8	10.5	15.7





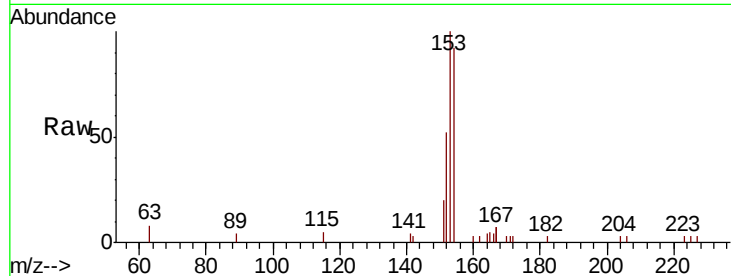
#17
Acenaphthene
Concen: 0.341 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

Instrument :
BNA_E
ClientSampleId :
EXT-007-SW124-061819

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.8	93.4	140.2
152	59.8	49.4	74.2

Manual Integrations
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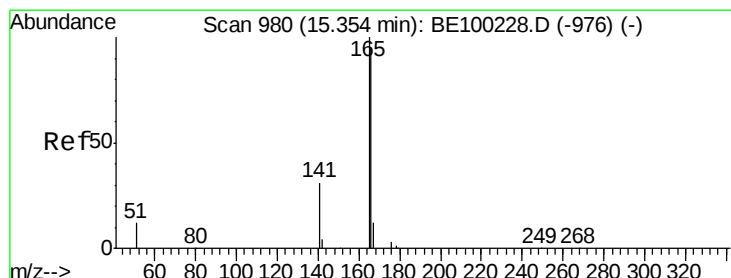
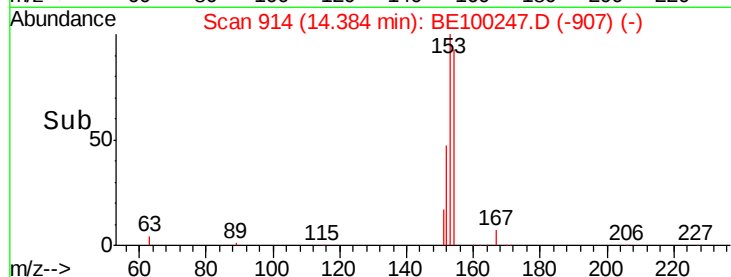
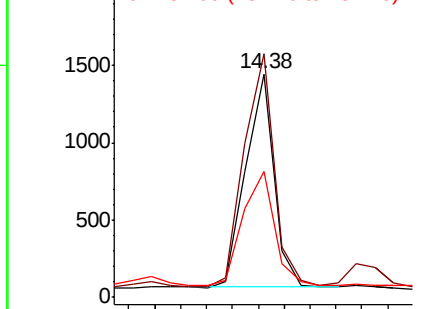


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.368 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

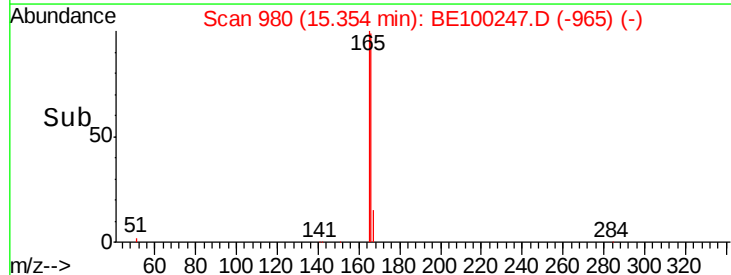
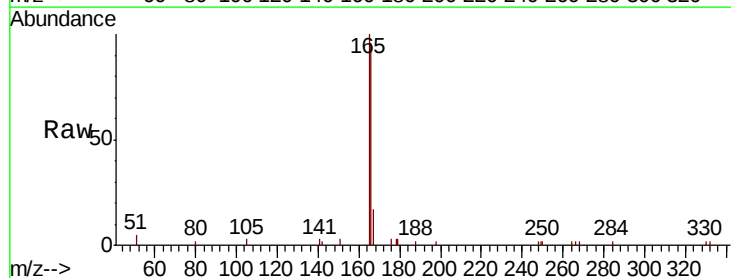
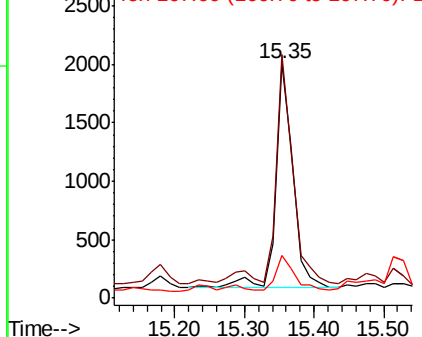
Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.2	81.1	121.7
167	16.5	10.7	16.1#

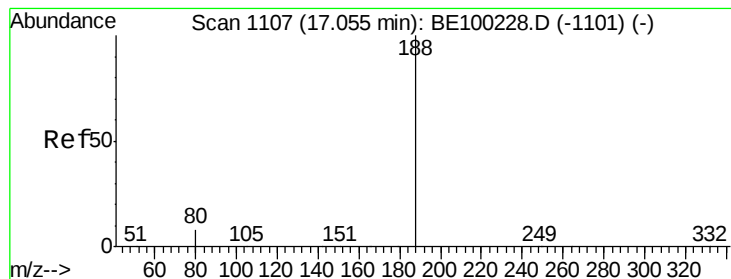
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE100247.D

Acq: 28 Jun 2019 22:38

Instrument :

BNA_E

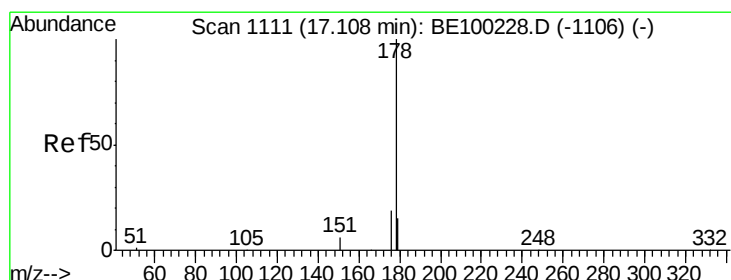
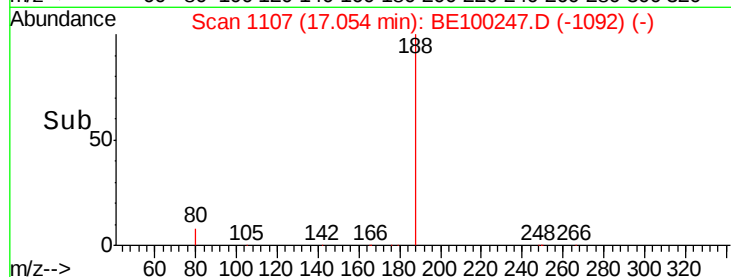
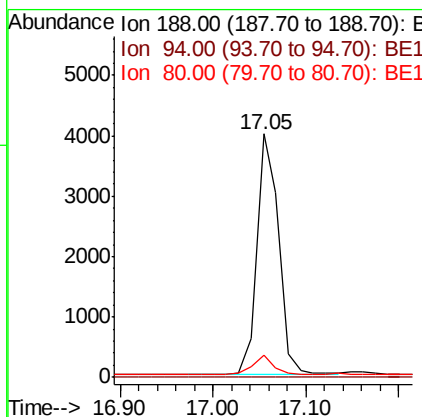
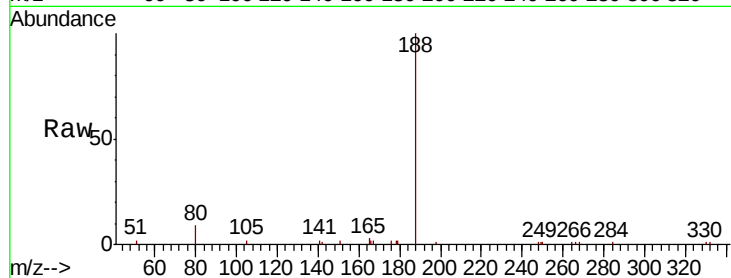
ClientSampleId :

EXT-007-SW124-061819

Tot Ion:	188	Resp:	6465
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.9	7.6	11.4

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#23

Phenanthrene

Concen: 5.205 ng

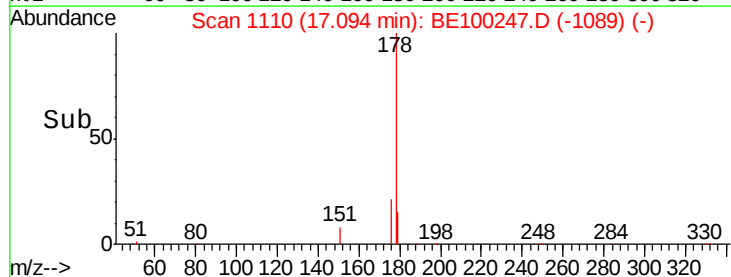
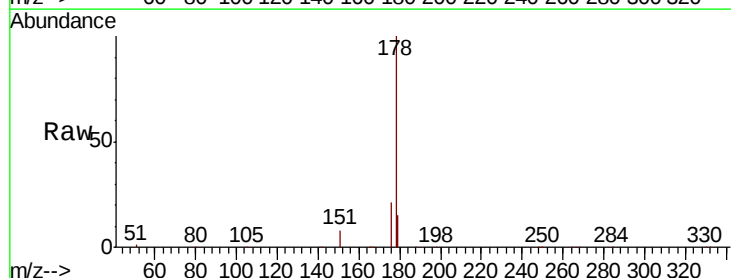
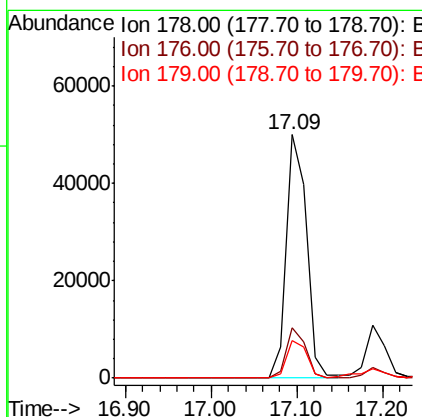
RT: 17.09 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100247.D

Acq: 28 Jun 2019 22:38

Tgt Ion:	178	Resp:	81558
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.9	23.9
179	15.4	12.2	18.2





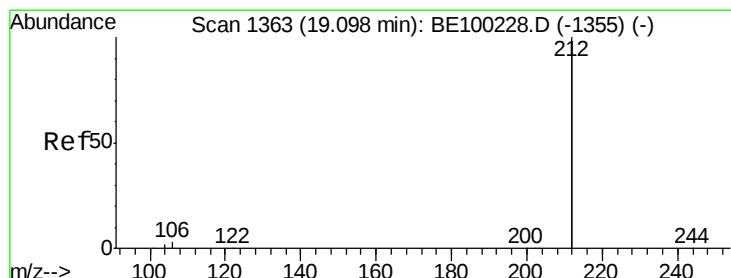
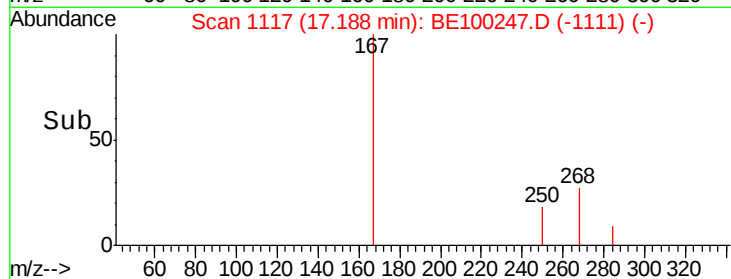
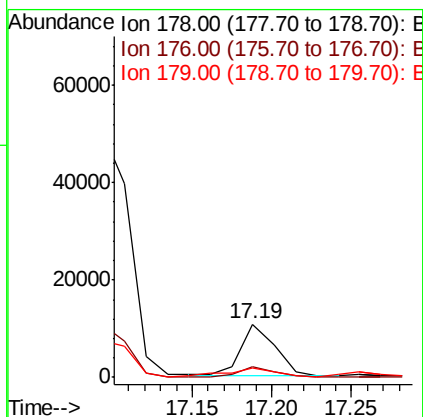
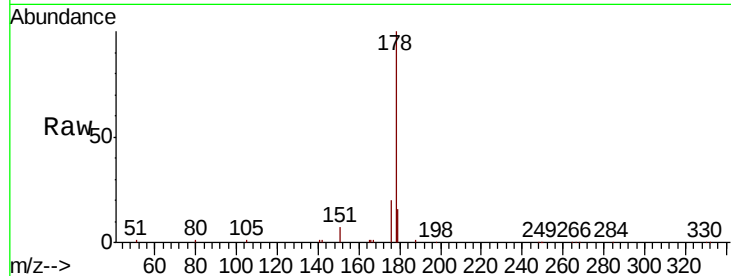
#24
 Anthracene
 Concen: 1.117 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100247.D
 Acq: 28 Jun 2019 22:38

Instrument :
 BNA_E
 ClientSampleId :
 EXT-007-SW124-061819

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.3	22.9
179	21.4	12.2	18.2

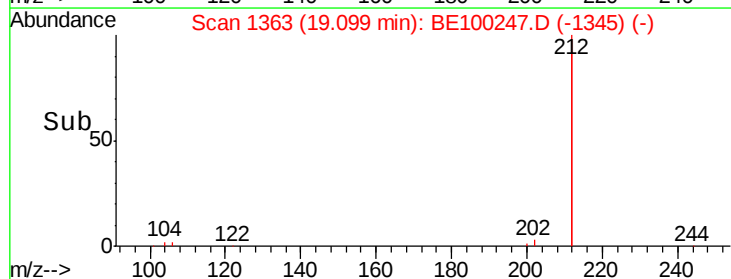
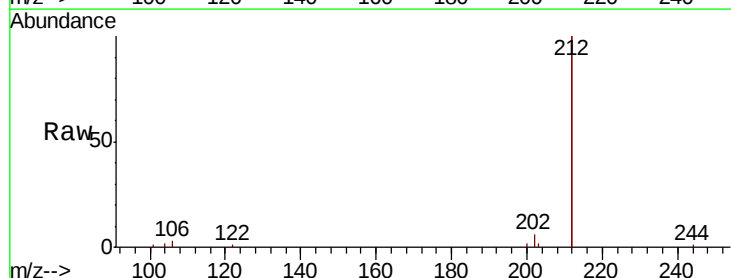
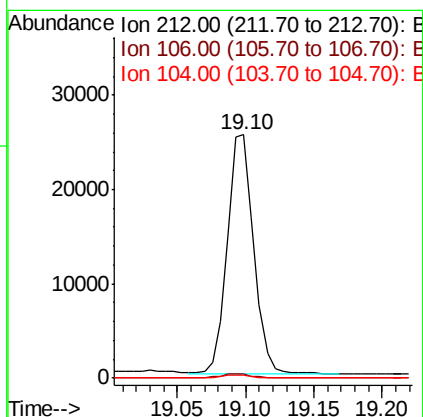
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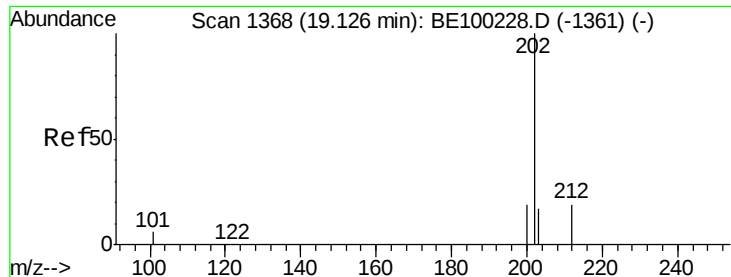
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.368 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: BE100247.D
 Acq: 28 Jun 2019 22:38

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.5	1.3	1.9
104	1.0	0.8	1.2





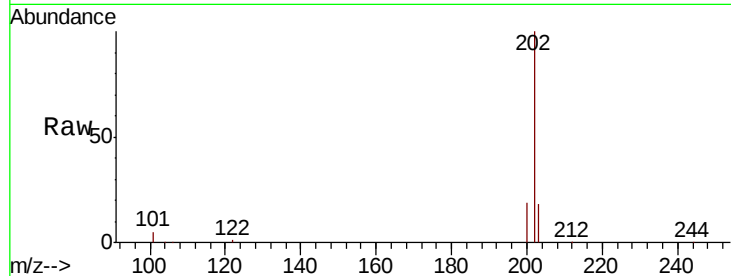
#26
Fluoranthene
Concen: 5.812 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

Instrument :
BNA_E
ClientSampleId :
EXT-007-SW124-061819

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.6	4.6	7.0
203	17.5	13.7	20.5

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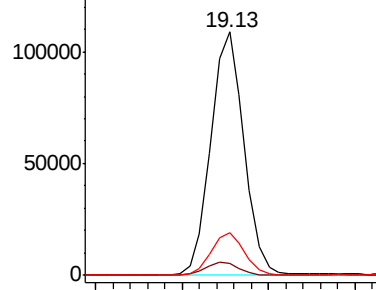


Abundance

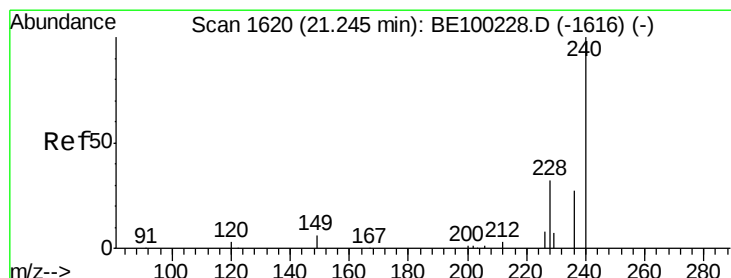
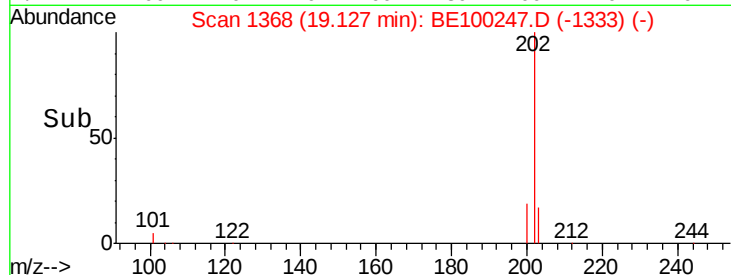
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.05 19.10 19.15 19.20



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

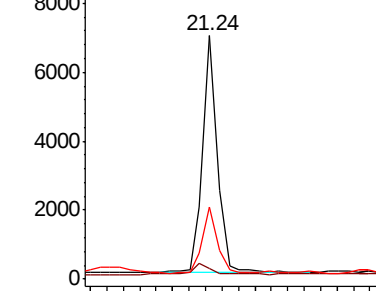
Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.6	3.3	4.9
236	29.4	22.6	34.0

Abundance

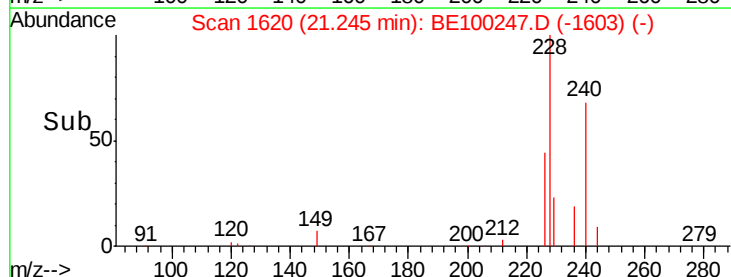
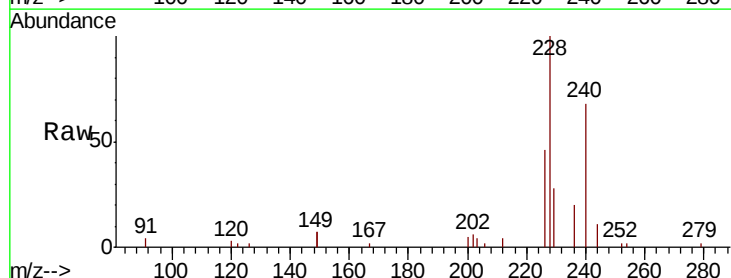
Ion 240.00 (239.70 to 240.70): E

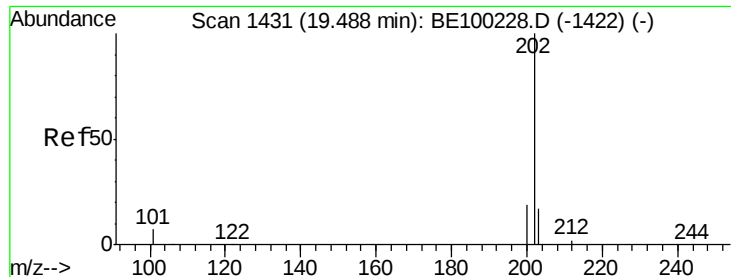
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.10 21.20 21.30 21.40





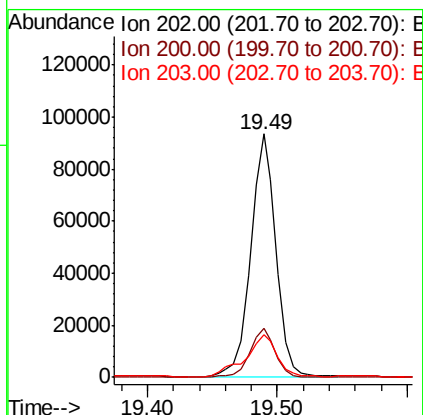
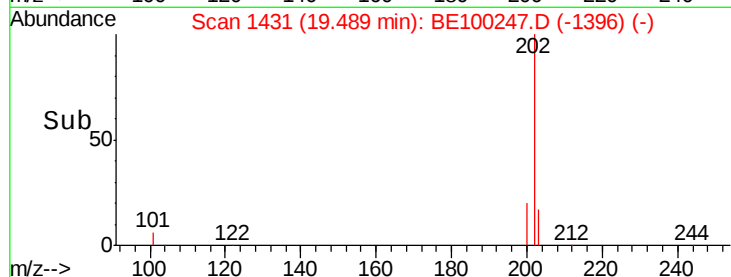
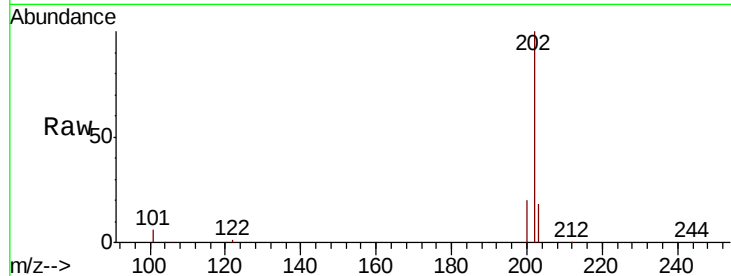
#28
Pvrene
Concen: 5.611 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

Instrument :
BNA_E
ClientSampleId :
EXT-007-SW124-061819

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.8	15.6	23.4
203	21.8	14.0	21.0

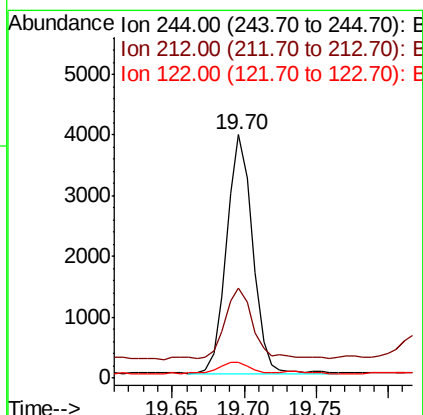
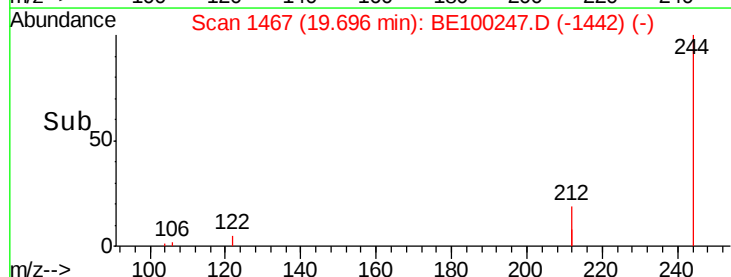
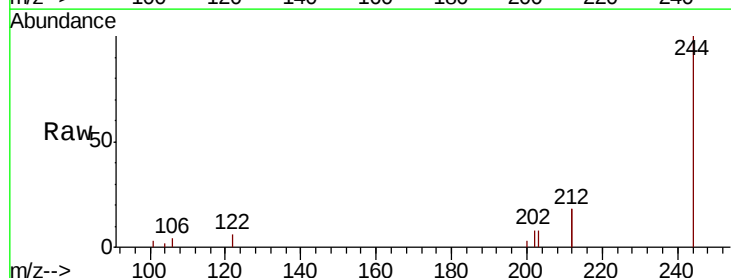
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#29
Terphenyl-d14
Concen: 0.282 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	36.9	27.3	40.9
122	6.5	4.7	7.1





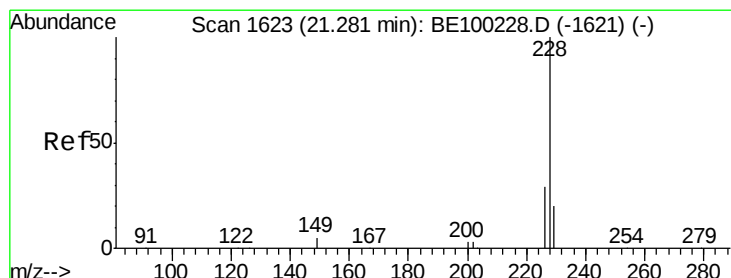
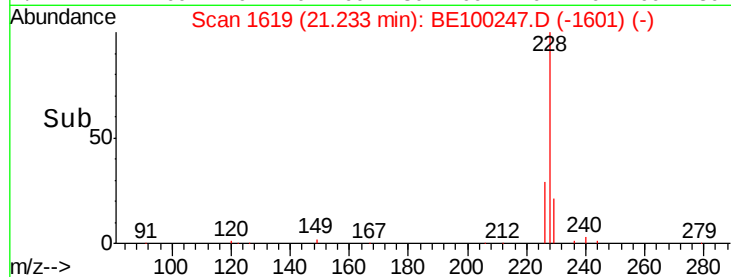
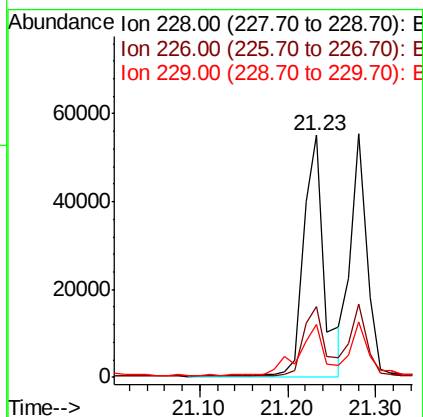
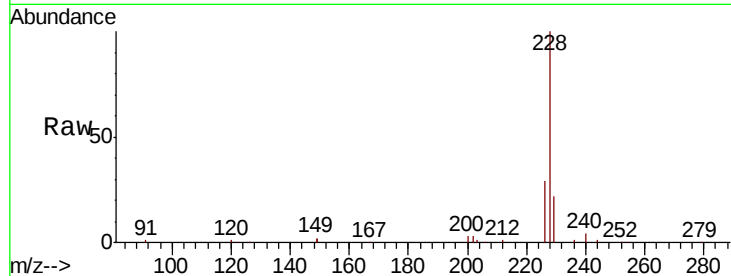
#30
Benzo(a)anthracene
Concen: 3.200 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

Instrument :
BNA_E
ClientSampleId :
EXT-007-SW124-061819

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.2	34.8
229	21.8	15.7	23.5

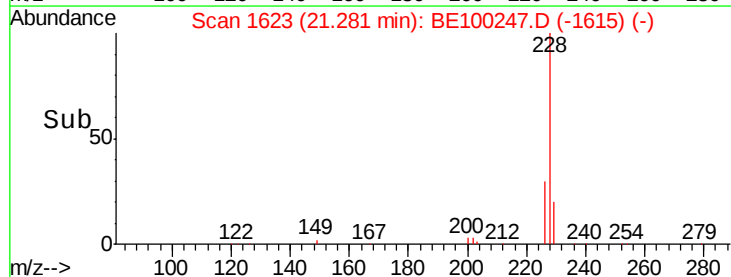
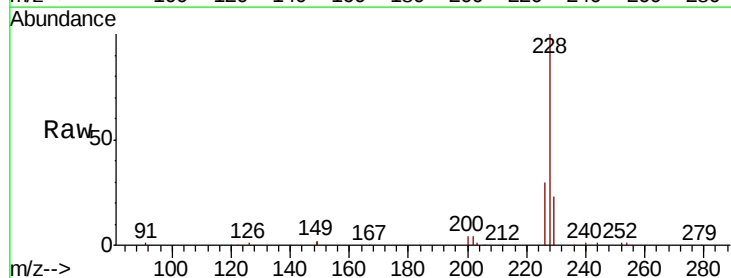
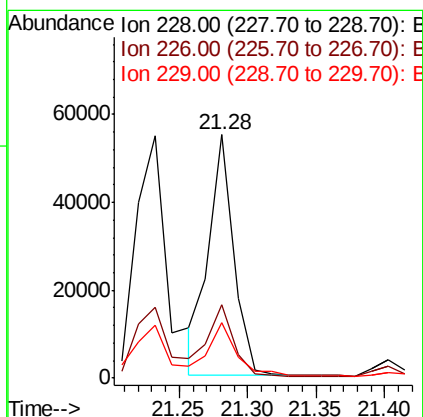
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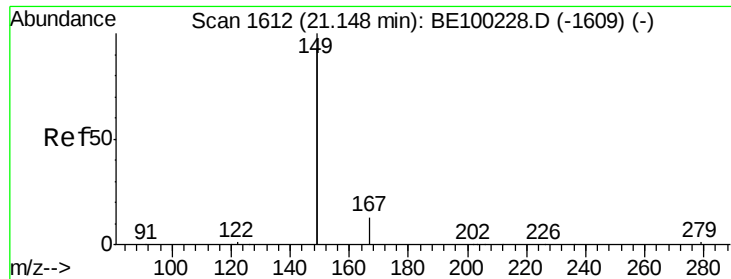
mohammad
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#31
Chrysene
Concen: 2.526 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	22.7	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.117 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100247.D

Acq: 28 Jun 2019 22:38

Instrument :

BNA_E

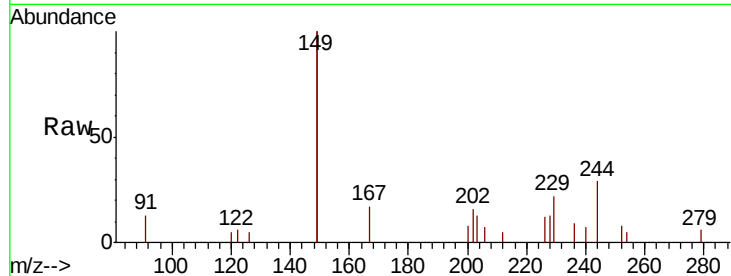
ClientSampleId :

EXT-007-SW124-061819

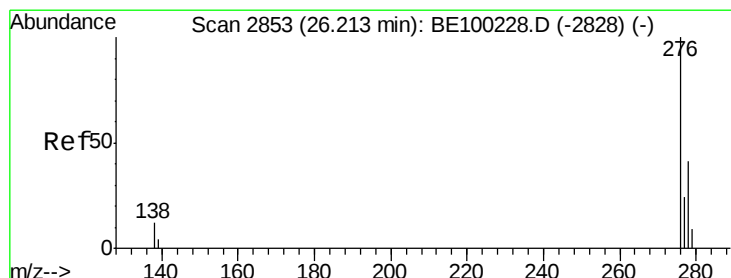
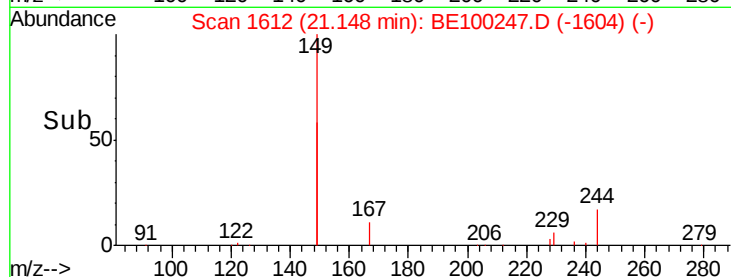
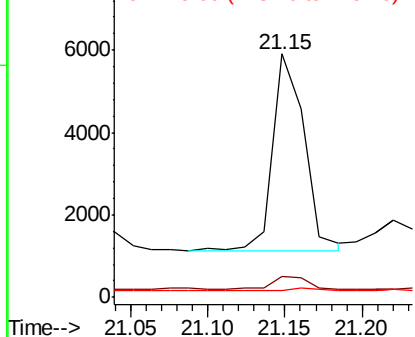
Tot Ion:	149	Resp:	6835
Ion Ratio	Lower	Upper	
149	100		
167	7.1	5.8	8.8
279	2.1	1.1	1.7#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 1.179 ng

RT: 26.22 min Scan# 2856

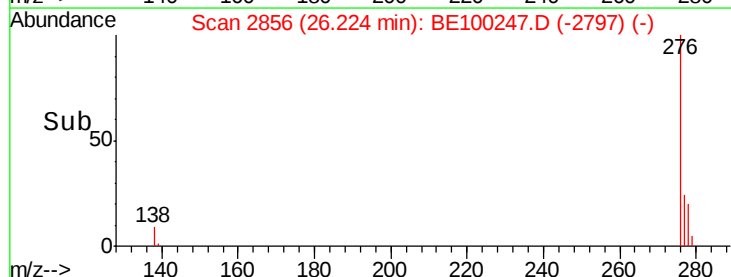
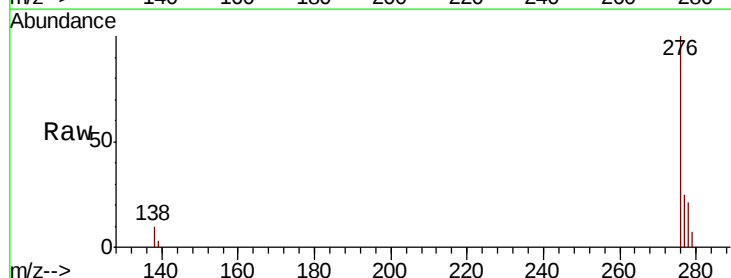
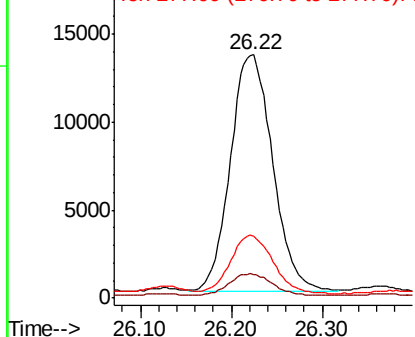
Delta R.T. 0.01 min

Lab File: BE100247.D

Acq: 28 Jun 2019 22:38

Tgt Ion:	276	Resp:	43402
Ion Ratio	Lower	Upper	
276	100		
138	9.2	9.4	14.0#
277	24.7	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





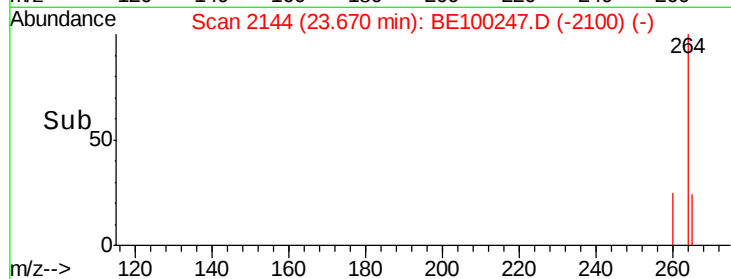
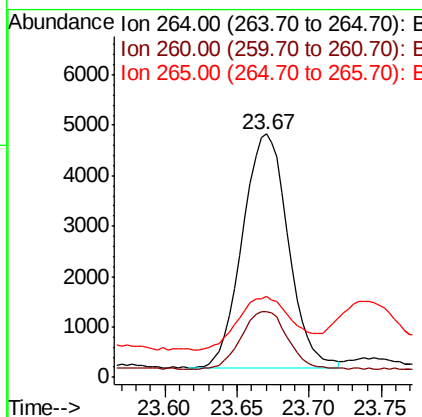
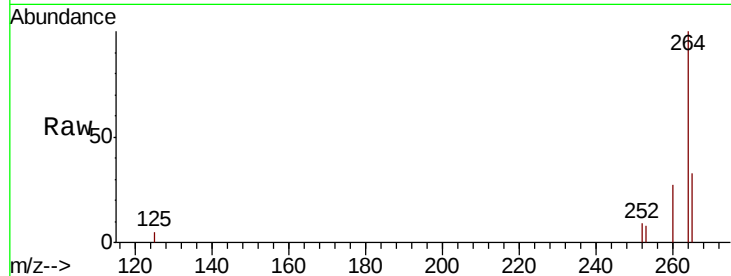
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.67 min Scan# 2144
 Delta R.T. 0.01 min
 Lab File: BE100247.D
 Acq: 28 Jun 2019 22:38

Instrument :
 BNA_E
 ClientSampleId :
 EXT-007-SW124-061819

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.2	20.8	31.2
265	33.2	21.8	32.6

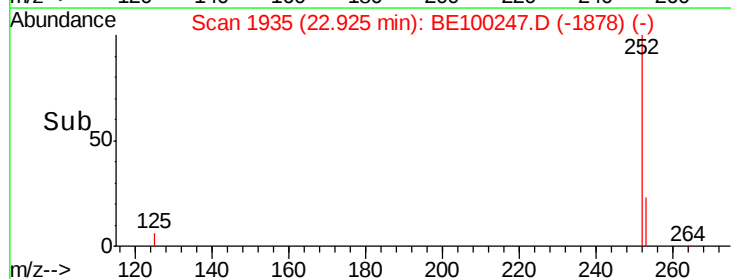
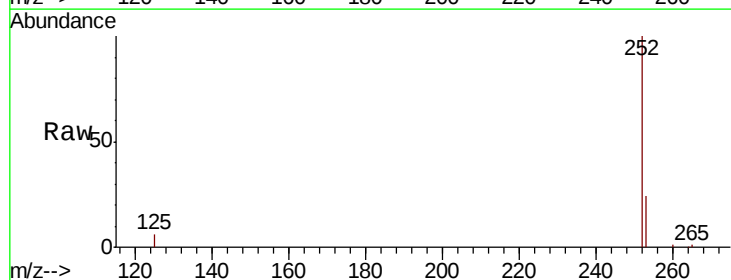
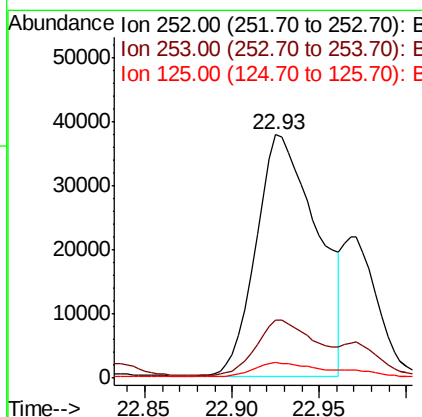
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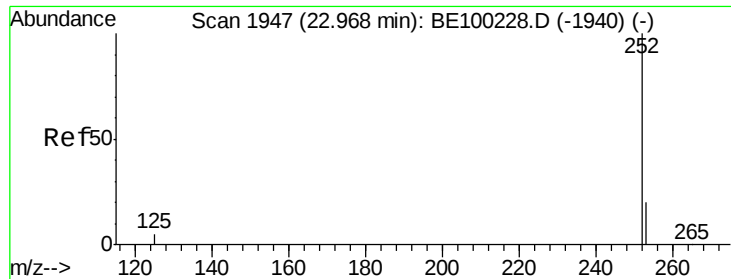
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#35
 Benzo(b)fluoranthene
 Concen: 3.363 ng
 RT: 22.93 min Scan# 1935
 Delta R.T. 0.00 min
 Lab File: BE100247.D
 Acq: 28 Jun 2019 22:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.2	28.8
125	6.4	7.4	11.0





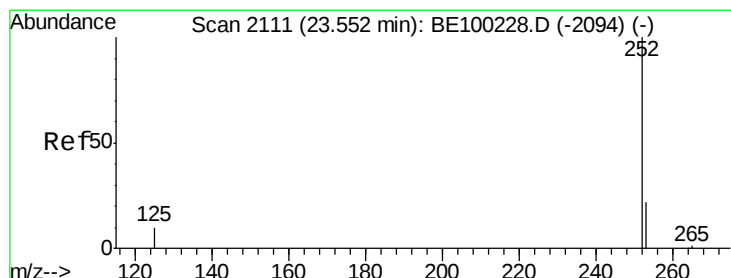
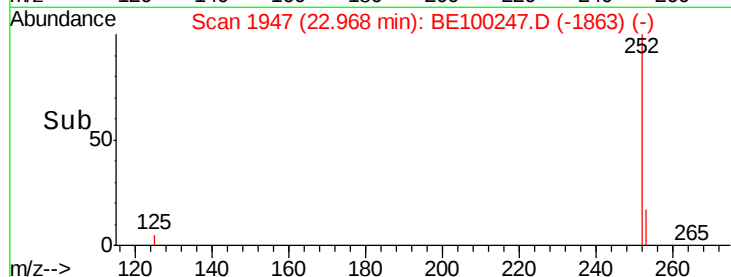
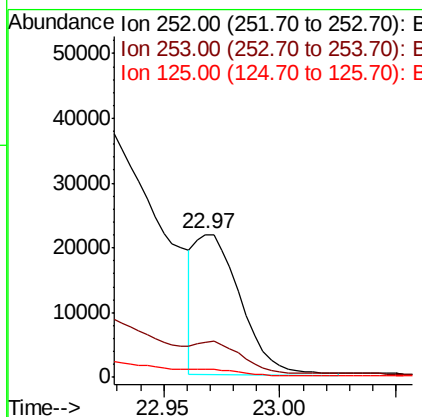
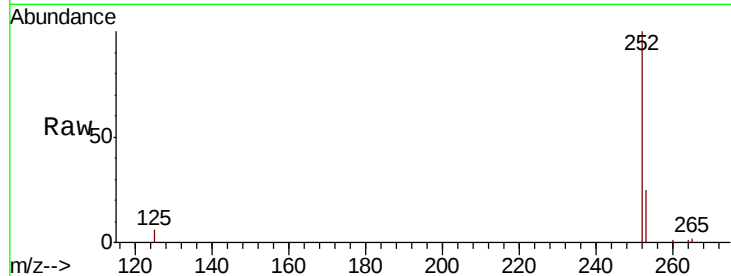
#36
Benzo(k)fluoranthene
Concen: 0.976 ng m
RT: 22.97 min Scan# 1947
Delta R.T. 0.00 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

Instrument :
BNA_E
ClientSampleId :
EXT-007-SW124-061819

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	5.8	5.0	7.4

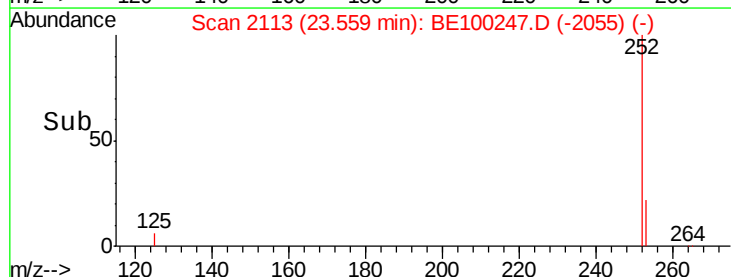
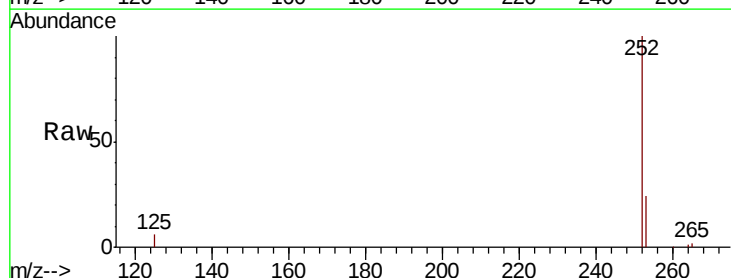
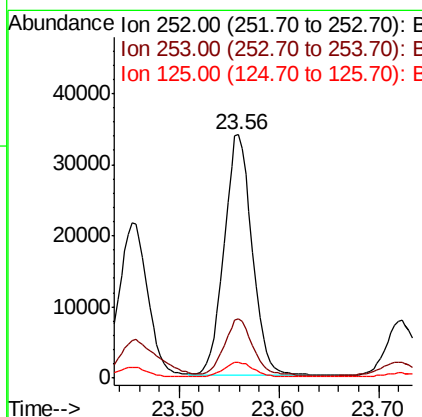
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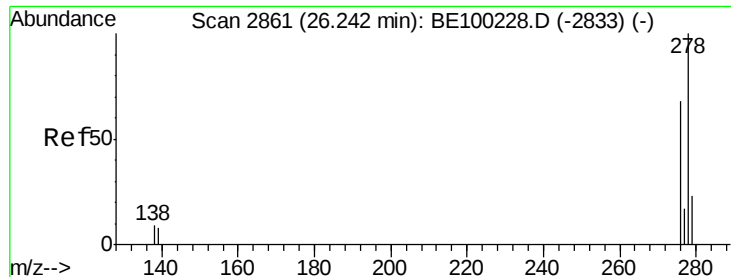
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#37
Benzo(a)pyrene
Concen: 2.408 ng
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.6	29.4
125	6.4	9.0	13.6





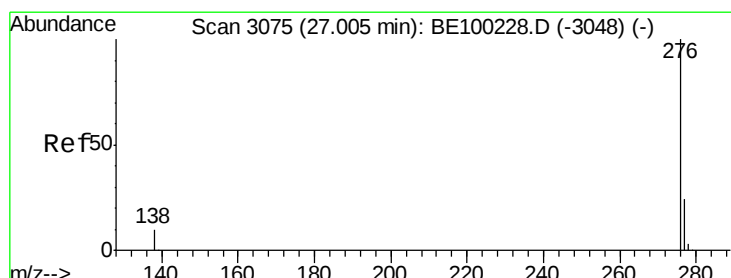
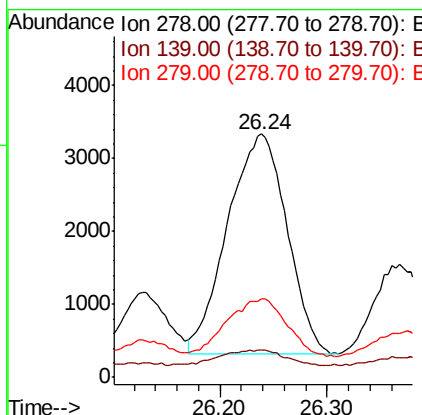
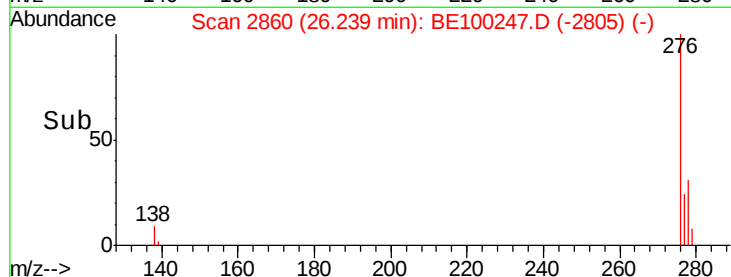
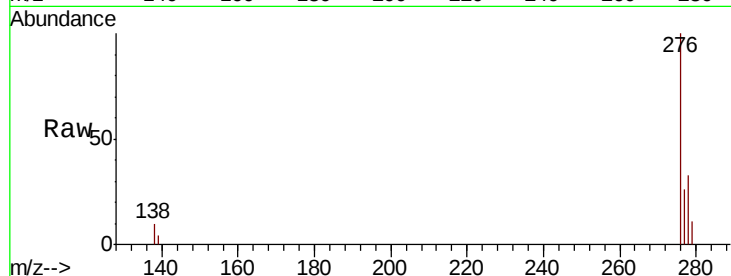
#38
Dibenzo(a,h)anthracene
Concen: 0.404 ng
RT: 26.24 min Scan# 2860
Delta R.T. -0.00 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

Instrument :
BNA_E
ClientSampleId :
EXT-007-SW124-061819

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.1	8.2	12.2
279	32.3	20.3	30.5

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:12 PM



#39
Benzo(g,h,i)perylene
Concen: 1.386 ng
RT: 27.02 min Scan# 3078
Delta R.T. 0.01 min
Lab File: BE100247.D
Acq: 28 Jun 2019 22:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	20.2	30.2
138	10.3	9.0	13.6

