

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
 Data File : BE100241.D
 Acq On : 28 Jun 2019 19:01
 Operator : JU/SJ
 Sample : K3428-18
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW167-061319

Manual Integrations
 APPROVED

mohammad
 7/1/2019 3:06:59 PM

Quant Time: Jun 29 00:36:46 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	635	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	2211	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2391	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	5888	0.40	ng	0.00
27) Chrysene-d12	21.26	240	8710m	0.40	ng	0.01
34) Perylene-d12	23.69	264	18897	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.21	112	478	0.30	ng	0.00
5) Phenol-d6	6.83	99	643	0.30	ng	-0.01
8) Nitrobenzene-d5	8.81	82	652	0.30	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1661	0.40	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	466	0.28	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	2179	0.23	ng	-0.01
25) Fluoranthene-d10	19.10	212	34713	0.41	ng	0.00
29) Terphenyl-d14	19.70	244	8936	0.49	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	81573	3.345	ng	# 97
12) 2-Methylnaphthalene	12.11	142	18076	4.224	ng	# 98
16) Acenaphthylene	14.04	152	230329	20.074	ng	# 99
17) Acenaphthene	14.38	154	13553	2.084	ng	# 90
18) Fluorene	15.35	166	69366	7.214	ng	# 85
23) Phenanthrene	17.11	178	1241534	86.999	ng	# 98
24) Anthracene	17.19	178	175553	13.661	ng	# 93
26) Fluoranthene	19.14	202	1884303	82.897	ng	# 96
28) Pyrene	19.51	202	3117316	135.183	ng	# 93
30) Benzo(a)anthracene	21.23	228	1600460	55.885	ng	# 91
31) Chrysene	21.29	228	1972767	68.600	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.16	149	16612	0.353	ng	# 91
33) Indeno(1,2,3-cd)pyrene	26.27	276	905573	23.808	ng	# 95
35) Benzo(b)fluoranthene	22.95	252	1525357	29.772	ng	# 95
36) Benzo(k)fluoranthene	22.99	252	509123m	8.902	ng	# 92
37) Benzo(a)pyrene	23.59	252	1389929	27.068	ng	# 92
38) Dibenzo(a,h)anthracene	26.28	278	278208	5.188	ng	# 87
39) Benzo(a,h,i)perylene	27.08	276	1080298	19.609	ng	# 97

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

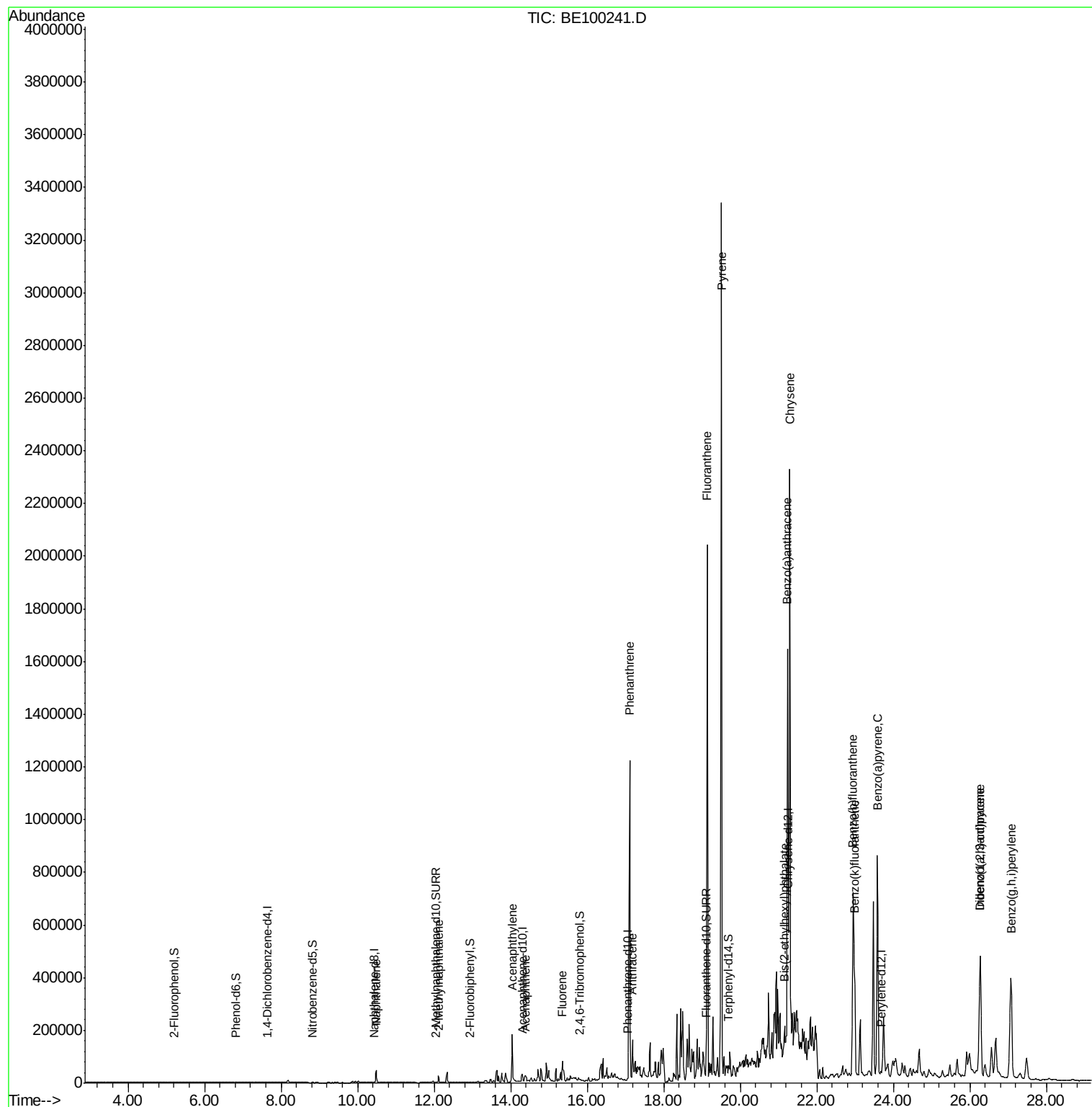
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
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ALS Vial : 3 Sample Multiplier: 1

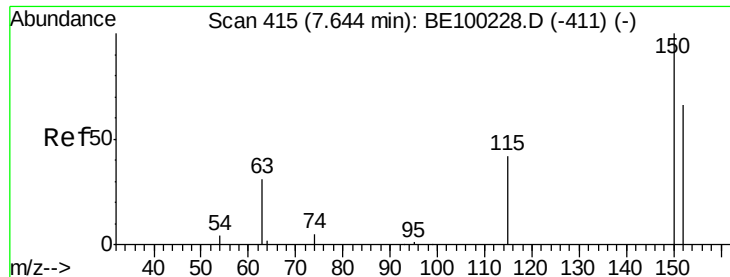
Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

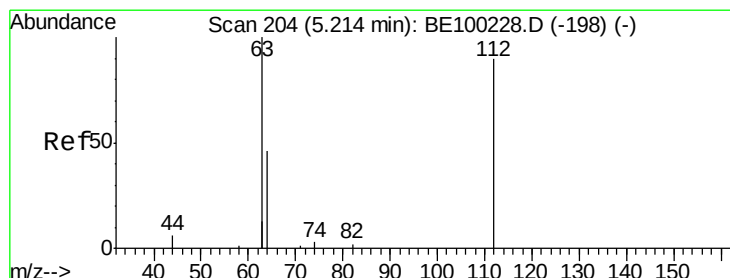
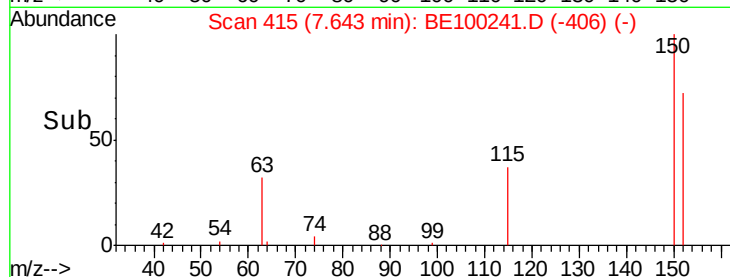
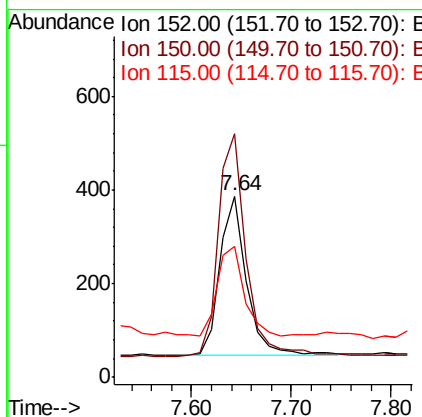
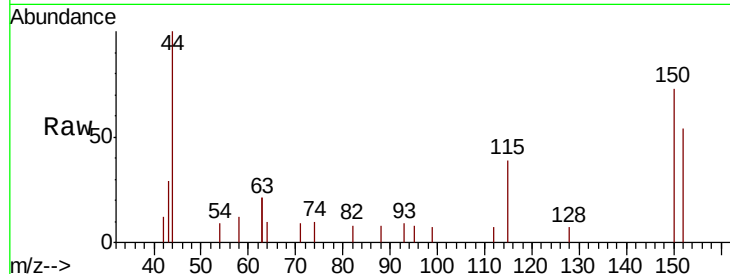
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tot Ion	Ratio	Lower	Upper
152	100		
150	134.4	114.5	171.7
115	72.4	57.1	85.7

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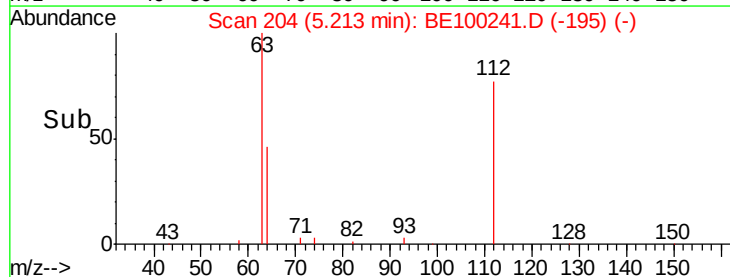
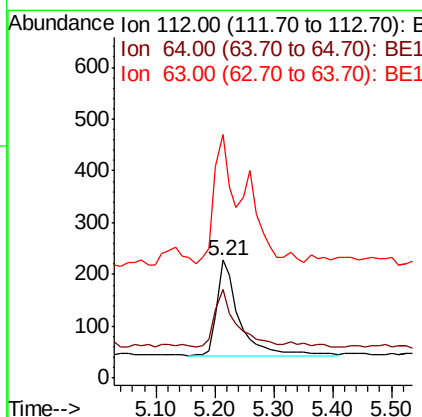
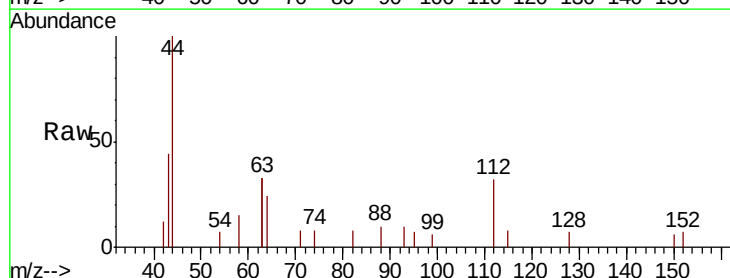
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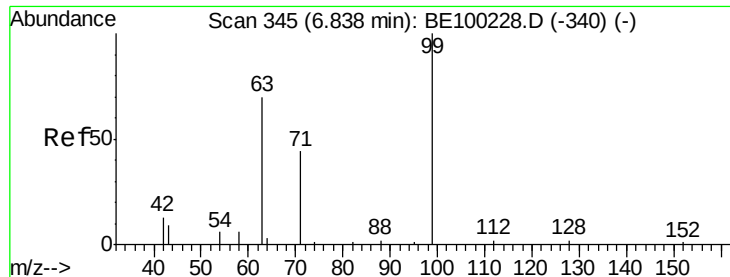


#4

2-Fluorophenol
Concen: 0.295 ng
RT: 5.21 min Scan# 204
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	39.4	59.0#
63	105.2	104.5	156.7





#5

Phenol-d6

Concen: 0.302 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

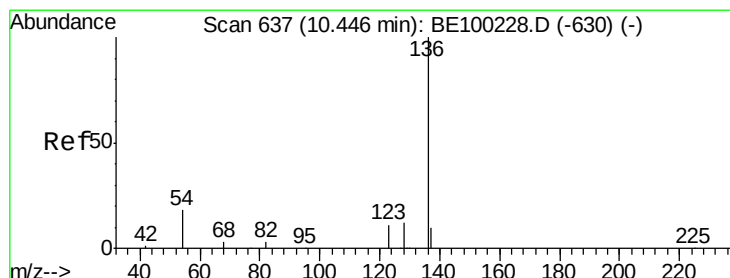
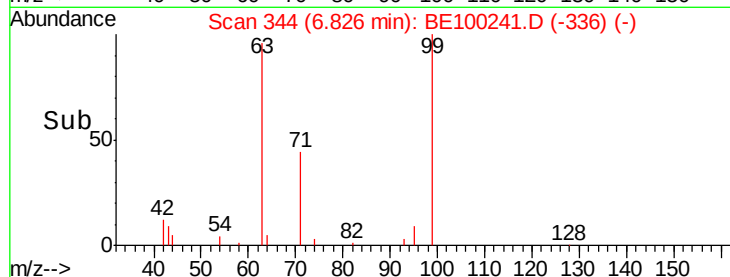
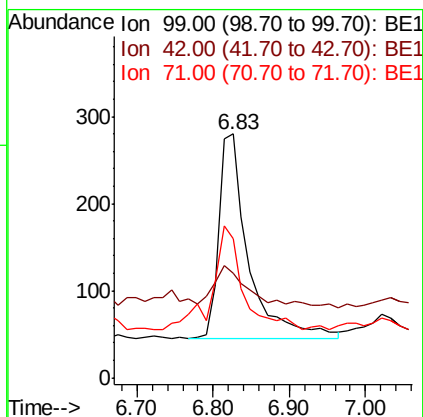
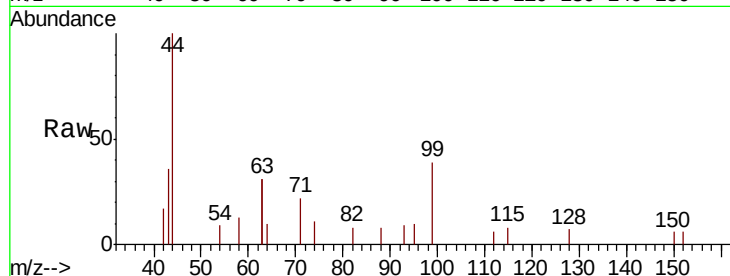
ClientSampleId :

EXT-084-SW167-061319

Tot Ion:	99	Resp:	643
Ion	Ratio	Lower	Upper
99	100		
42	23.8	11.2	16.8#
71	46.3	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

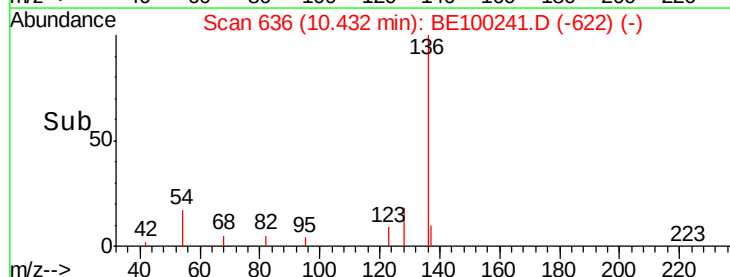
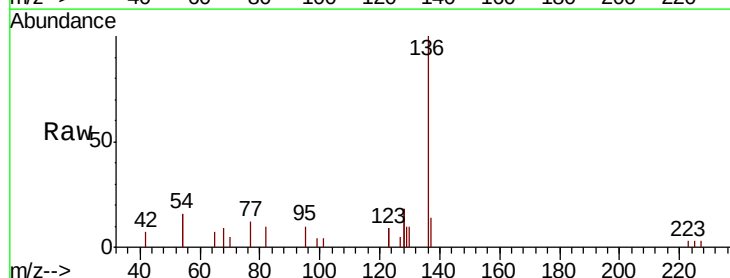
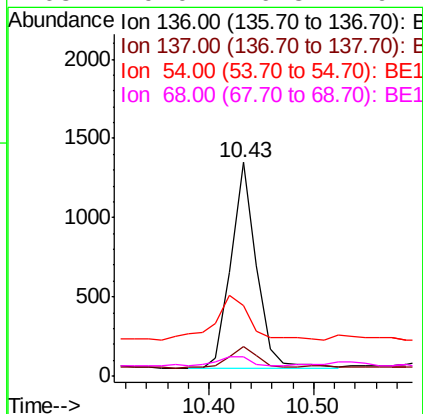
RT: 10.43 min Scan# 636

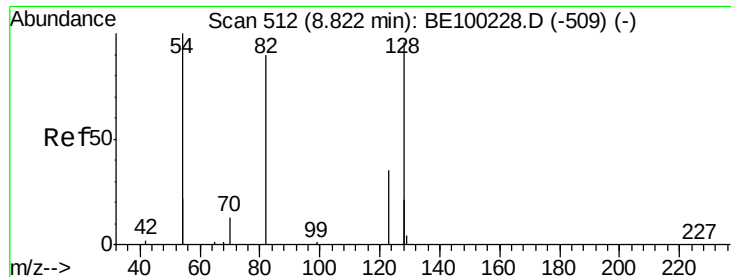
Delta R.T. -0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Tgt Ion:	136	Resp:	2211
Ion	Ratio	Lower	Upper
136	100		
137	13.8	11.8	17.8
54	32.9	27.7	41.5
68	9.0	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.297 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

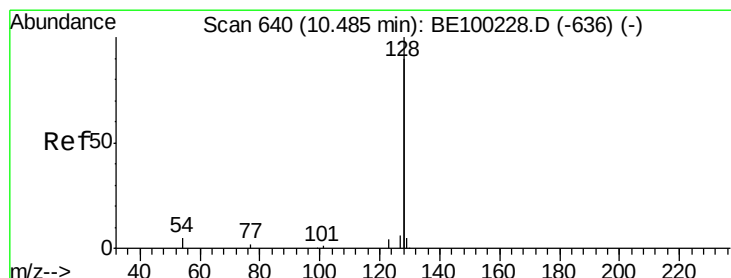
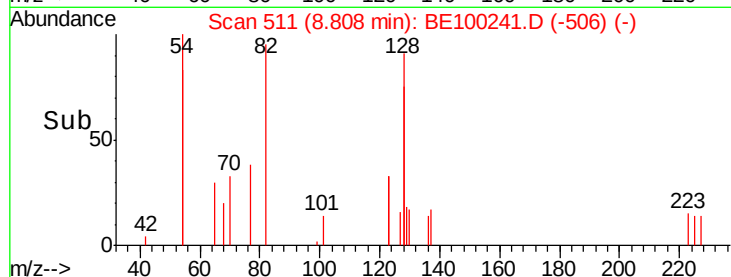
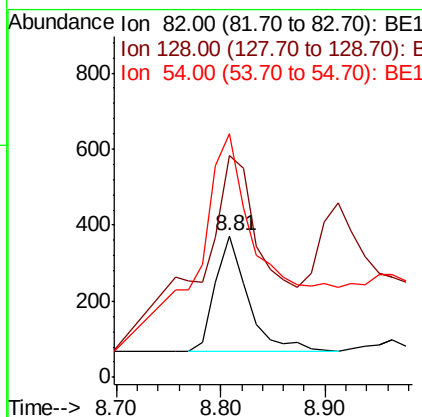
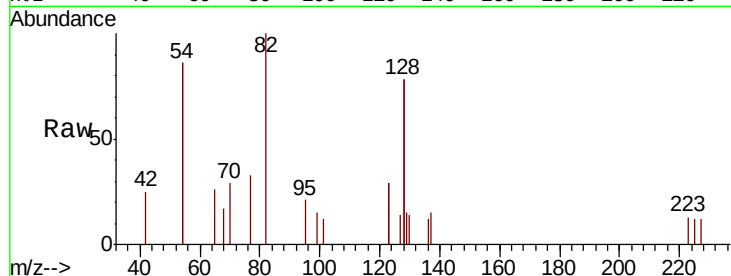
ClientSampleId :

EXT-084-SW167-061319

Tot Ion:	82	Resp:	652
Ion	Ratio	Lower	Upper
82	100		
128	157.0	140.9	211.3
54	172.0	146.2	219.2

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#9

Naphthalene

Concen: 3.345 ng

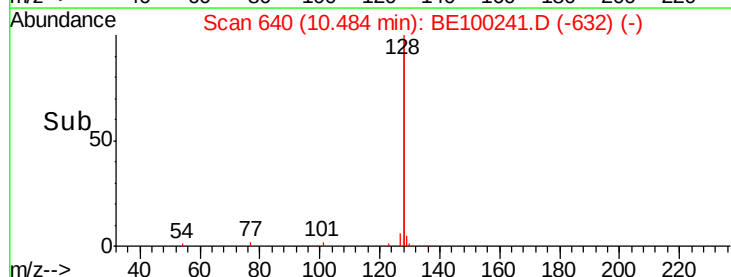
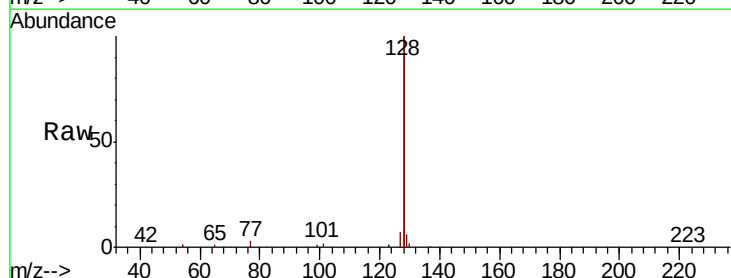
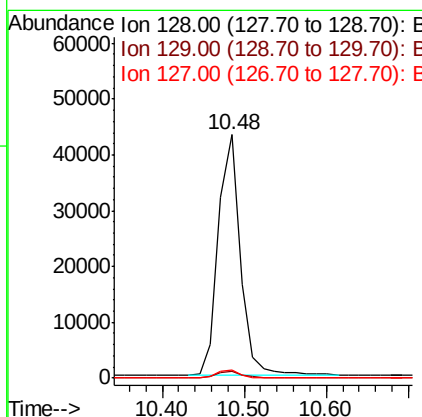
RT: 10.48 min Scan# 640

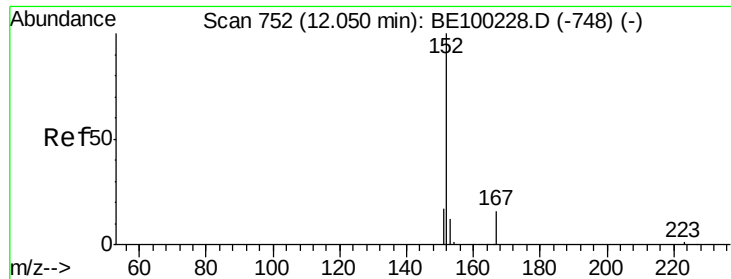
Delta R.T. -0.00 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Tgt Ion:	128	Resp:	81573
Ion	Ratio	Lower	Upper
128	100		
129	3.1	3.0	4.6
127	3.3	3.5	5.3#





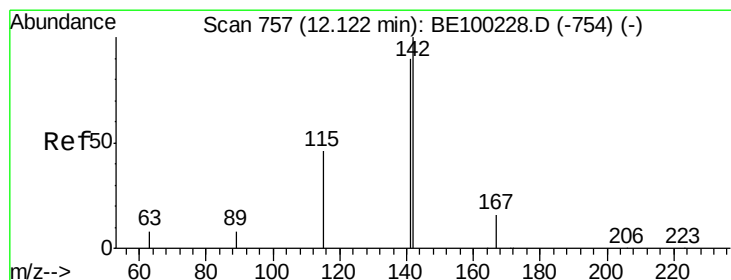
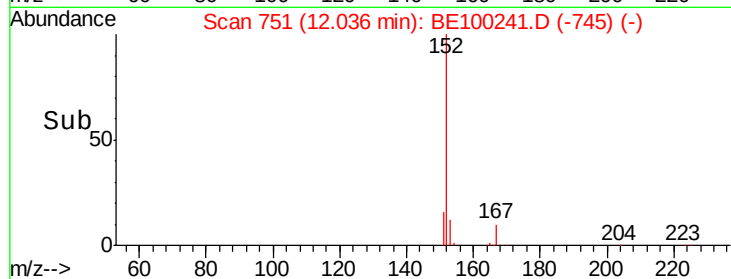
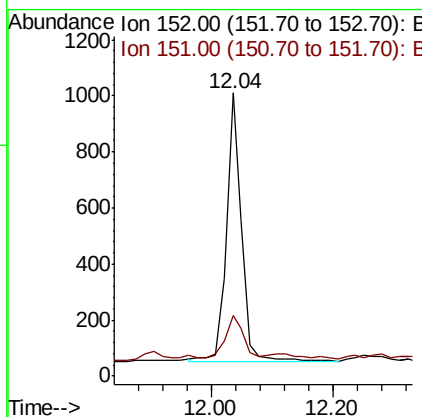
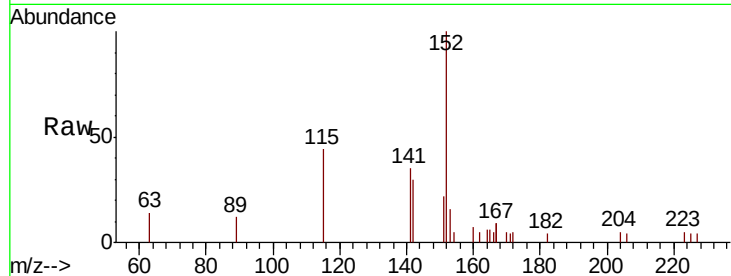
#11
2-Methylnaphthalene-d10
Concen: 0.399 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.4	15.1	22.7

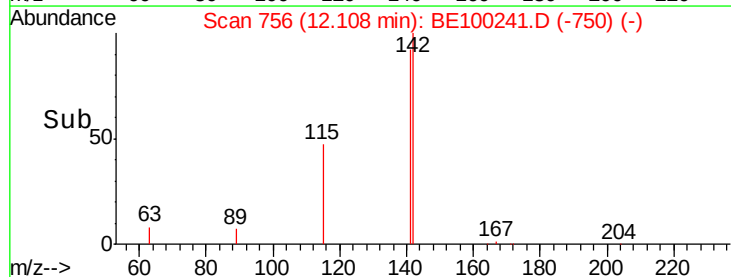
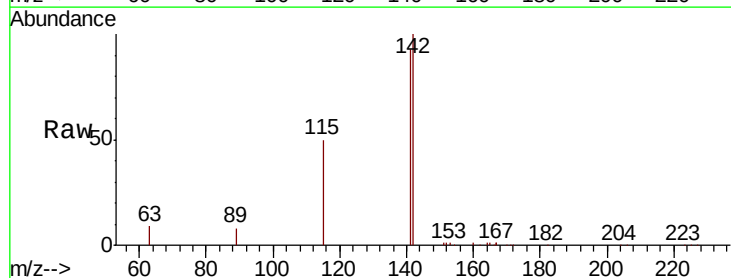
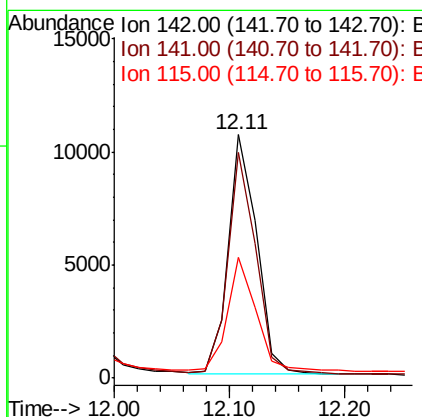
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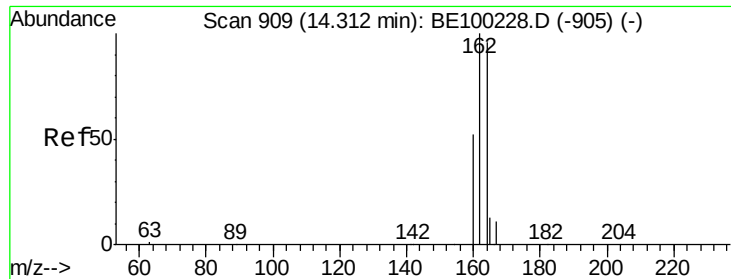
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#12
2-Methylnaphthalene
Concen: 4.224 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	72.4	108.6
115	49.6	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: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

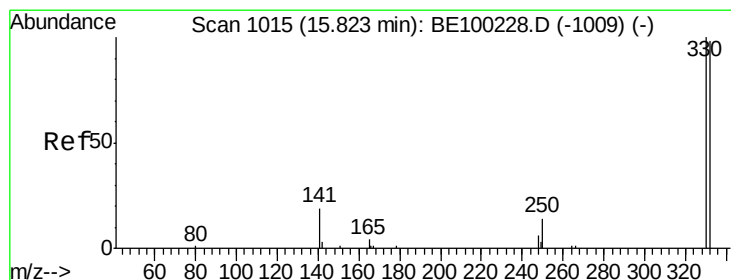
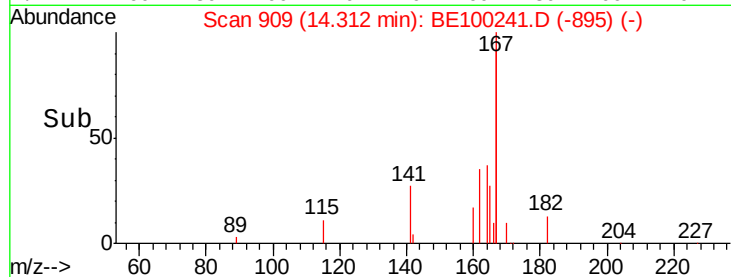
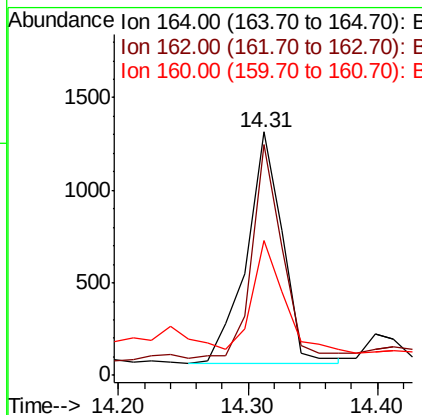
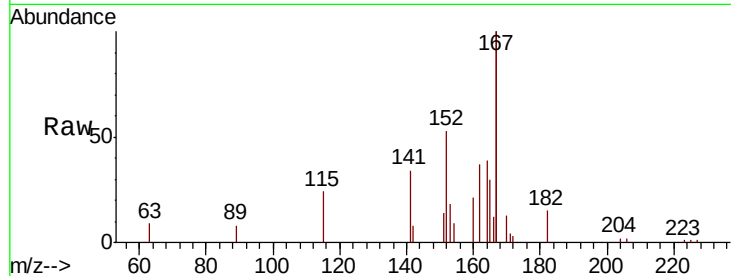
ClientSampleId :

EXT-084-SW167-061319

Tot Ion:	164	Resp:	2391
Ion	Ratio	Lower	Upper
164	100		
162	95.0	83.4	125.0
160	55.2	45.0	67.6

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#14

2,4,6-Tribromophenol

Concen: 0.279 ng

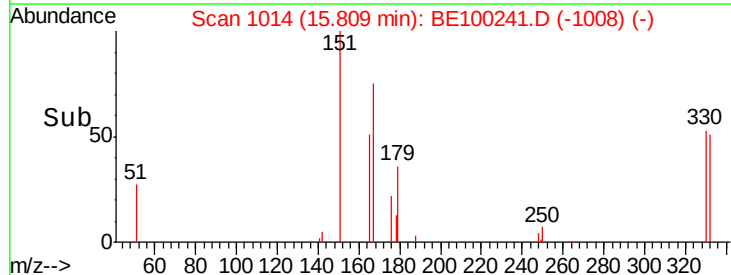
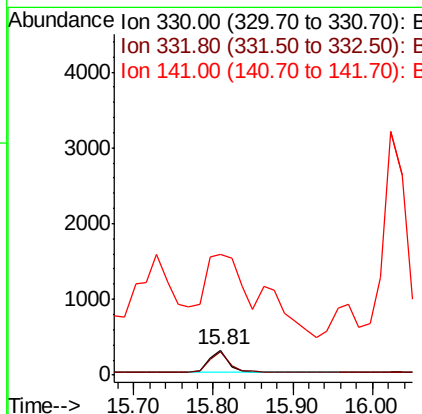
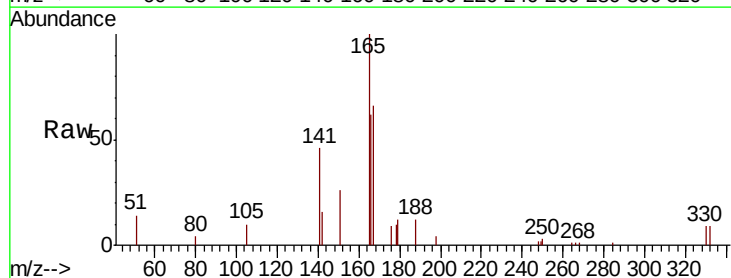
RT: 15.81 min Scan# 1014

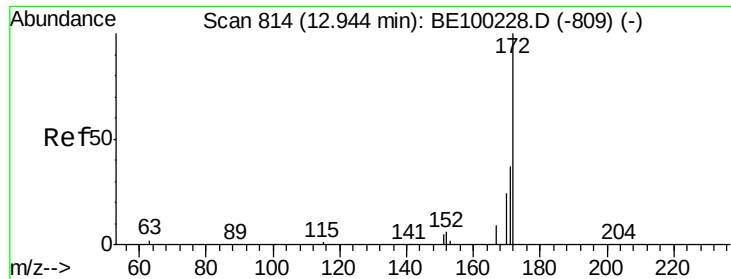
Delta R.T. -0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Tgt Ion:	330	Resp:	466
Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.4
141	424.7	22.0	33.0#





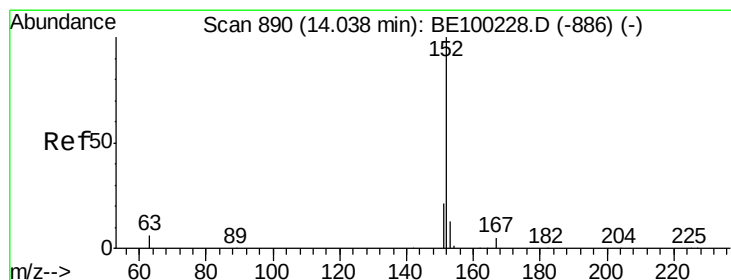
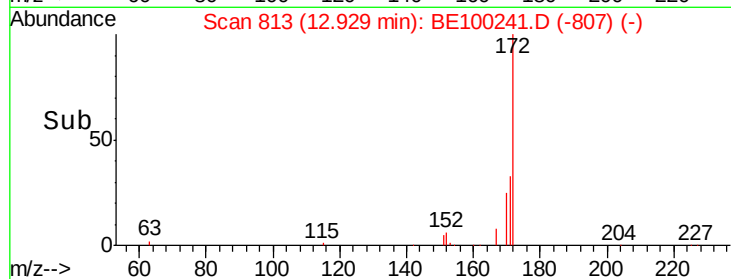
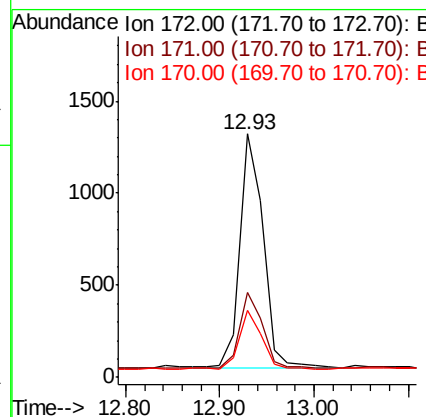
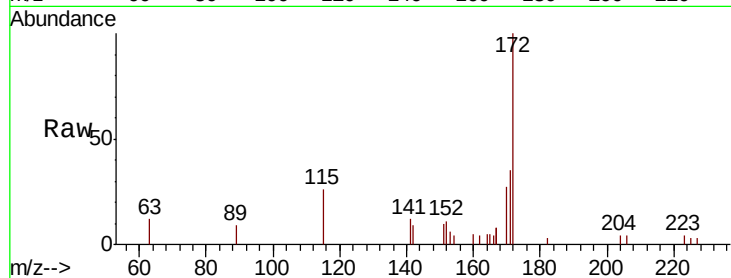
#15
2-Fluorobiphenyl
Concen: 0.234 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	31.9	47.9
170	27.2	22.2	33.2

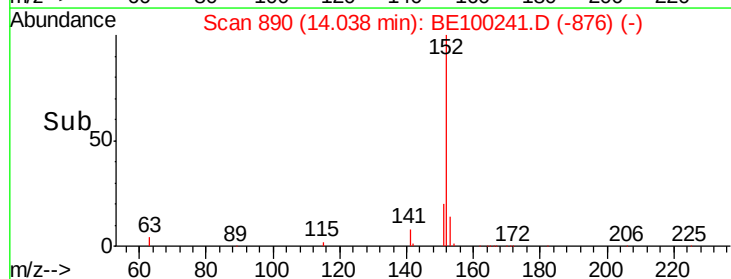
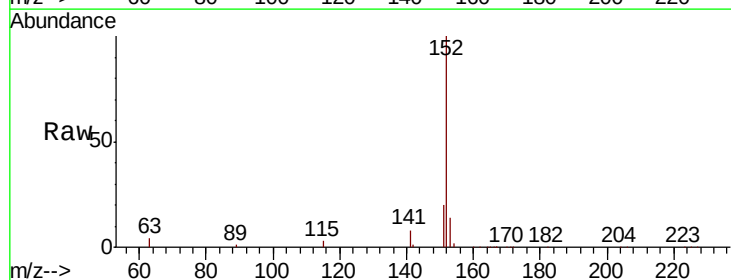
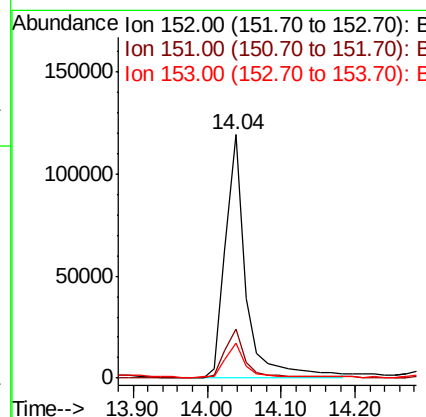
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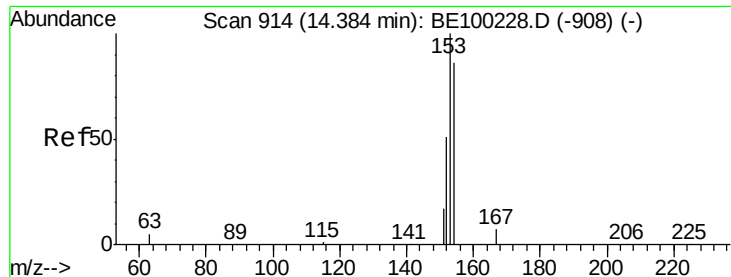
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#16
Acenaphthylene
Concen: 20.074 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.6	25.0
153	13.7	10.5	15.7





#17

Acenaphthene

Concen: 2.084 ng

RT: 14.38 min Scan# 914

Delta R.T. -0.00 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

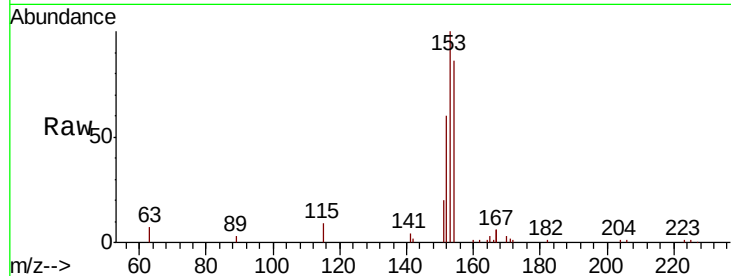
ClientSampleId :

EXT-084-SW167-061319

Tot Ion:	154	Resp:	13553
Ion Ratio	Lower	Upper	
154	100		
153	126.1	93.4	140.2
152	72.6	49.4	74.2

Manual Integrations
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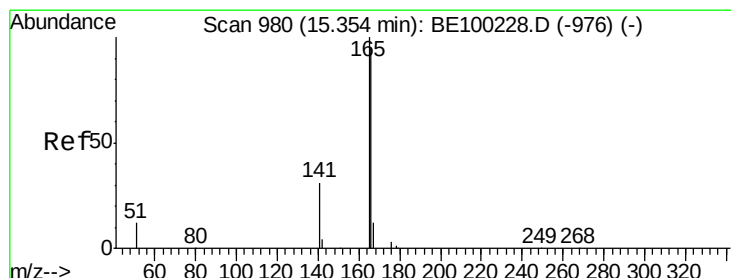
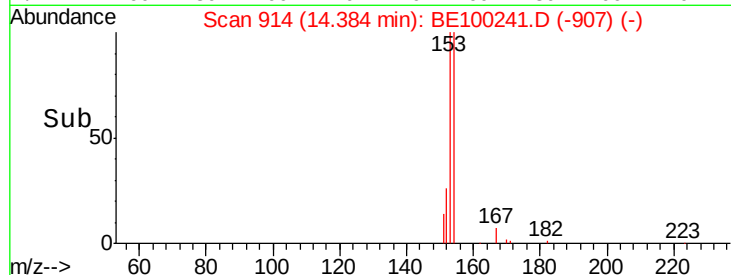
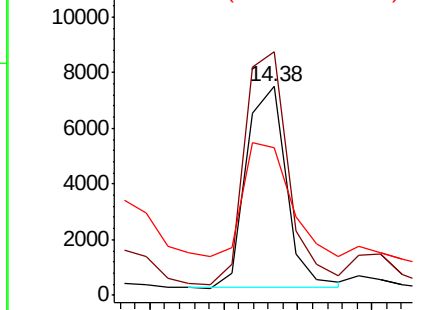


Abundance

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: 7.214 ng

RT: 15.35 min Scan# 980

Delta R.T. -0.00 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

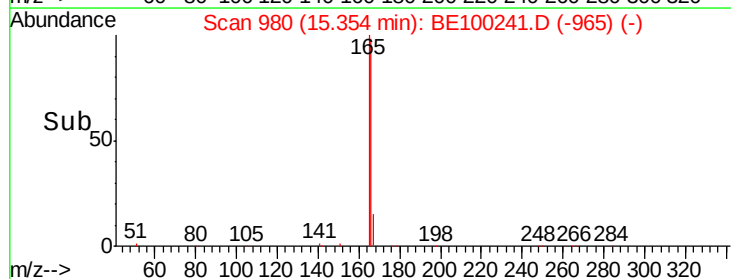
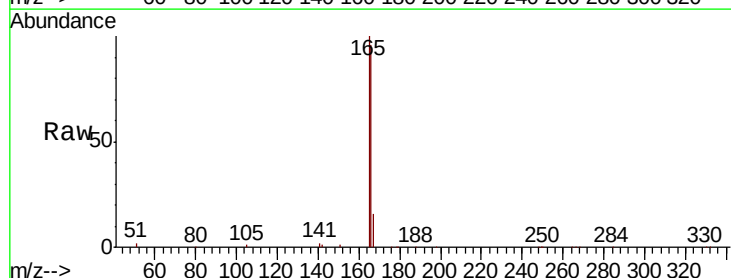
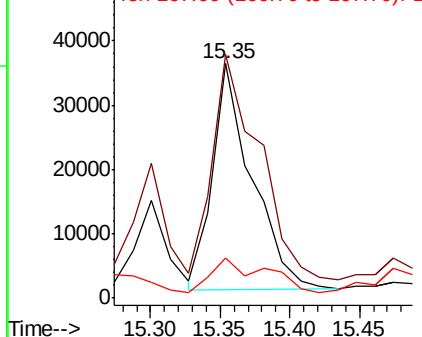
Tgt Ion:	166	Resp:	69366
Ion Ratio	Lower	Upper	
166	100		
165	116.6	81.1	121.7
167	20.8	10.7	16.1#

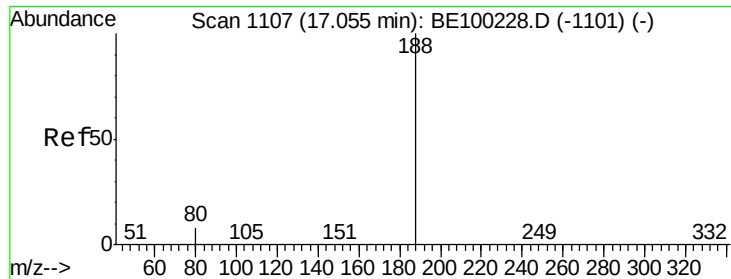
Abundance

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





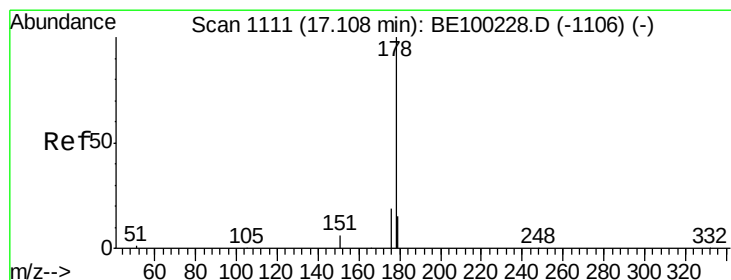
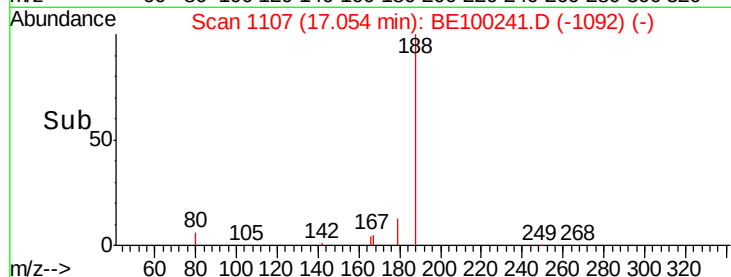
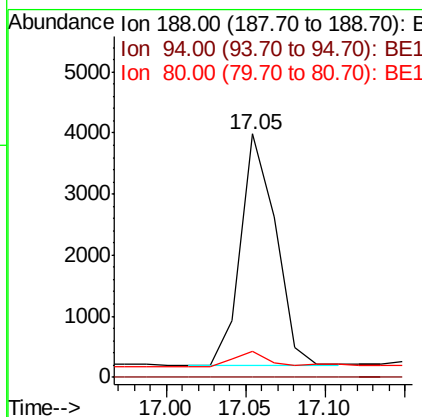
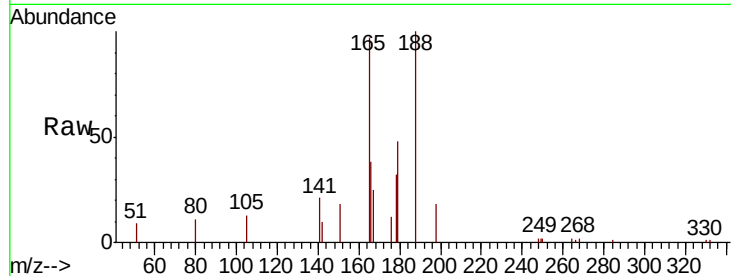
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tot Ion	Ratio	Resp	Lower	Upper
188	100	5888		
94	0.0	0.0	0.0	0.0
80	10.8	7.6	11.4	

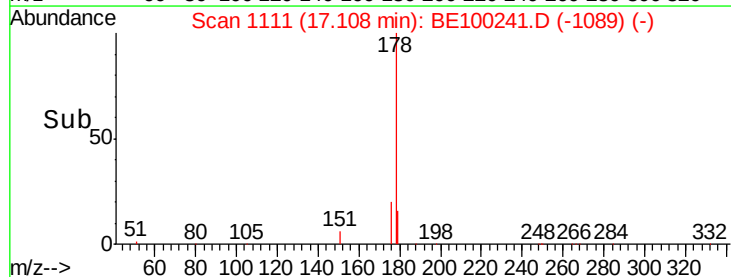
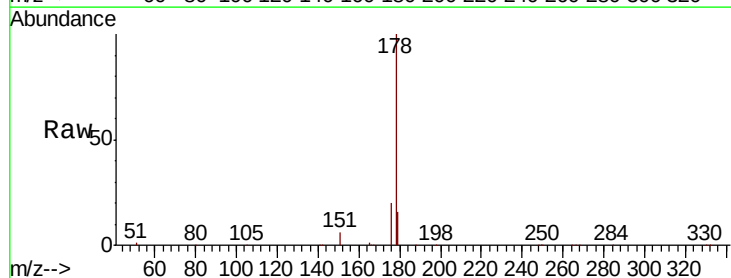
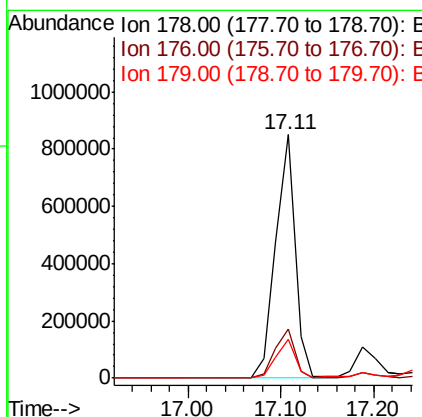
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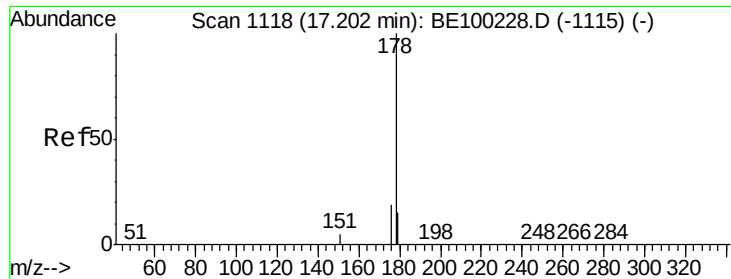
mohammad
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#23
Phenanthrene
Concen: 86.999 ng
RT: 17.11 min Scan# 1111
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1241534		
176	20.5	15.9	23.9	
179	16.1	12.2	18.2	





#24

Anthracene

Concen: 13.661 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

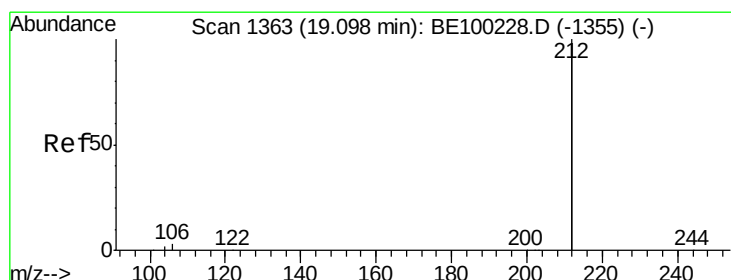
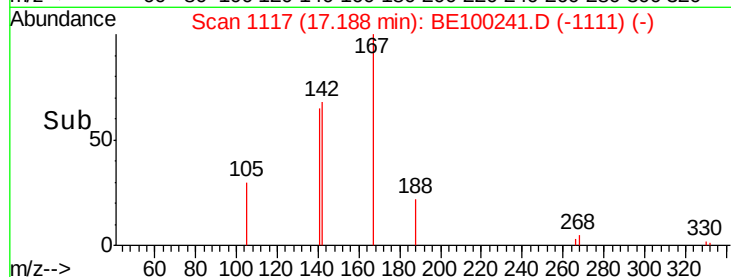
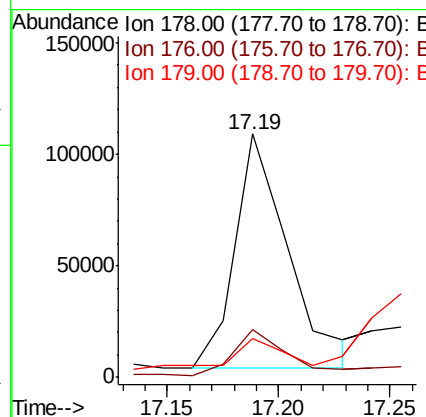
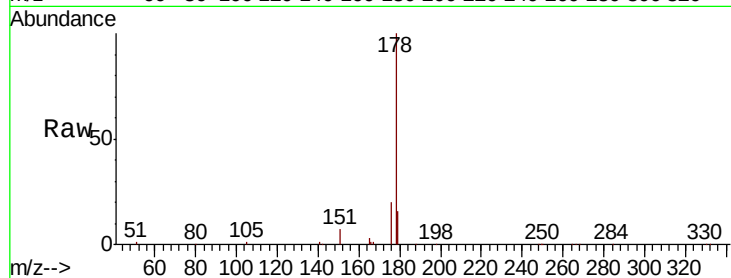
ClientSampleId :

EXT-084-SW167-061319

Tot Ion:178	Resp:	175553
Ion Ratio	Lower	Upper
178	100	
176	19.4	15.3 22.9
179	8.9	12.2 18.2#

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#25

Fluoranthene-d10

Concen: 0.406 ng

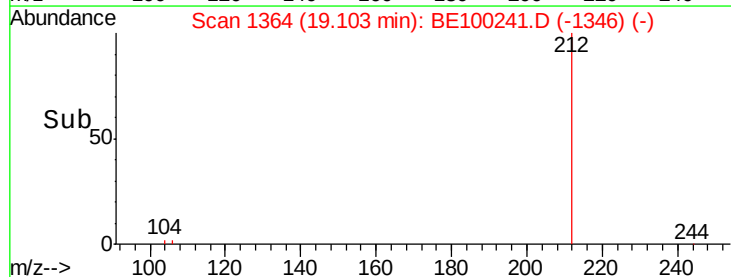
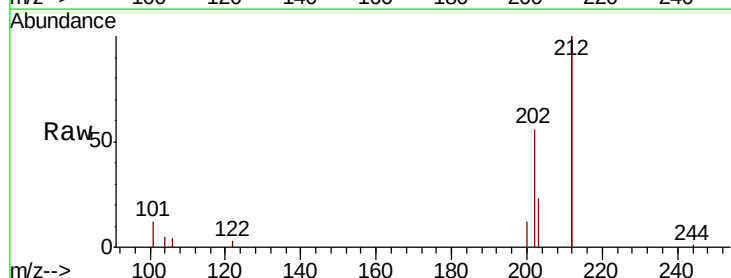
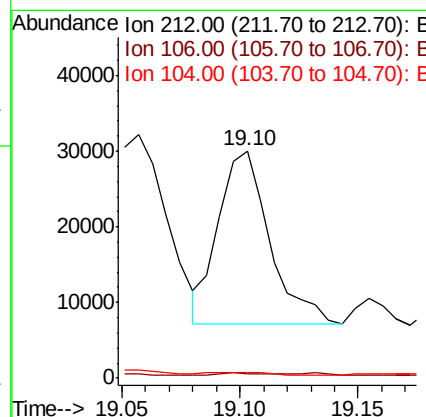
RT: 19.10 min Scan# 1364

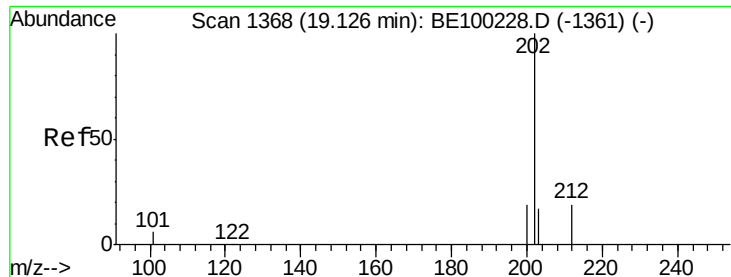
Delta R.T. 0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Tgt Ion:212	Resp:	34713
Ion Ratio	Lower	Upper
212	100	
106	1.3	1.3 1.9#
104	1.9	0.8 1.2#





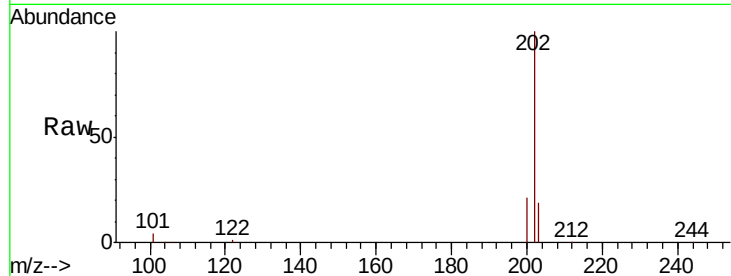
#26
Fluoranthene
Concen: 82.897 ng
RT: 19.14 min Scan# 1370
Delta R.T. 0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

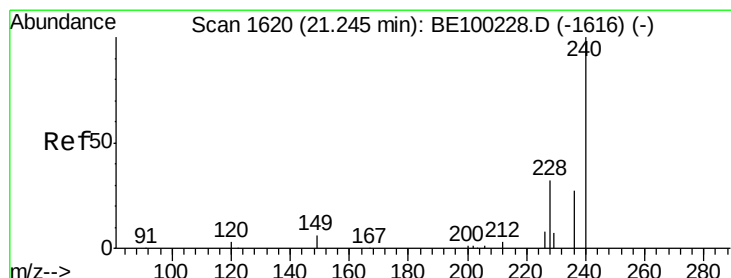
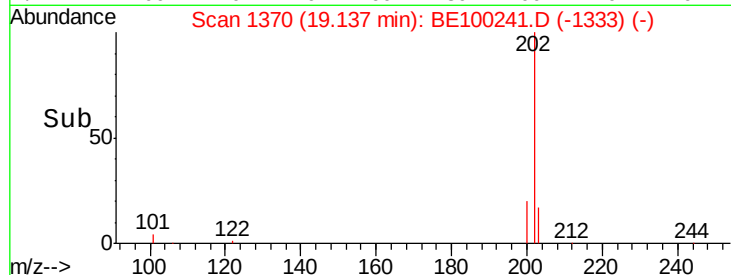
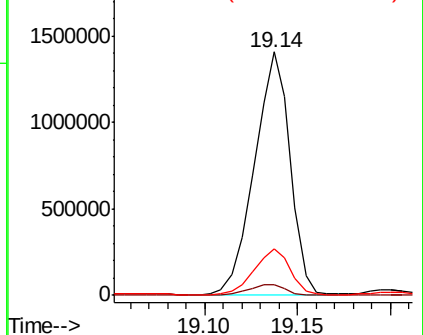
Tot Ion:202 Resp: 1884303
Ion Ratio Lower Upper
202 100
101 4.6 4.6 7.0#
203 19.0 13.7 20.5

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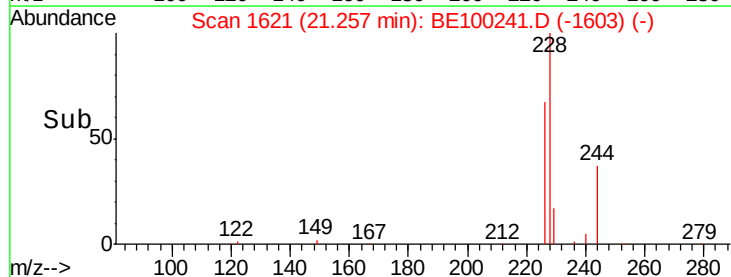
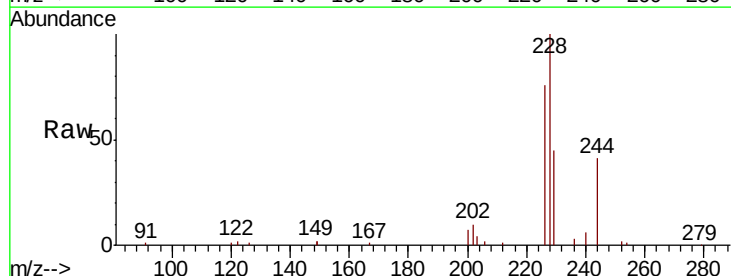
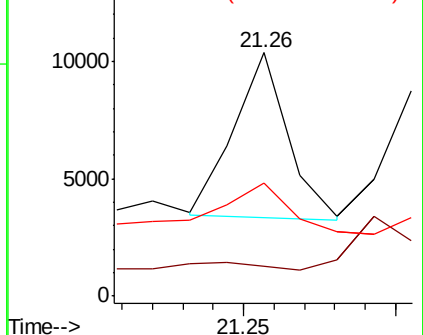
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

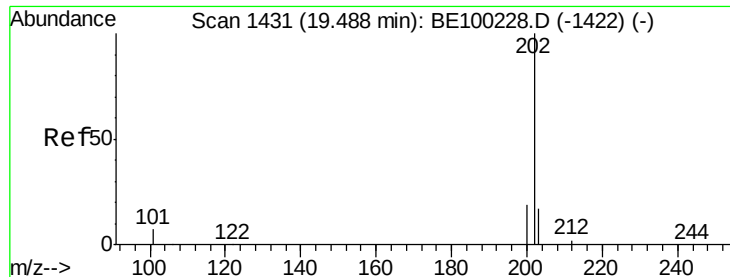


#27
Chrysene-d12
Concen: 0.400 ng m
RT: 21.26 min Scan# 1621
Delta R.T. 0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion:240 Resp: 8710
Ion Ratio Lower Upper
240 100
120 12.2 3.3 4.9#
236 46.5 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





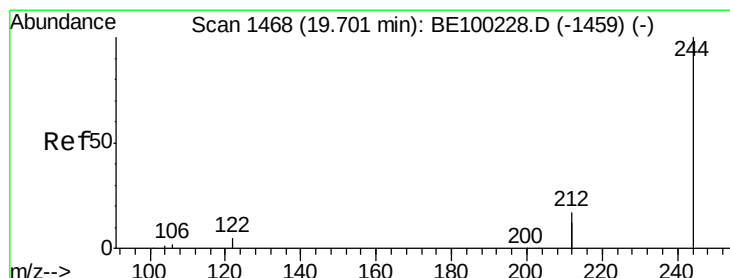
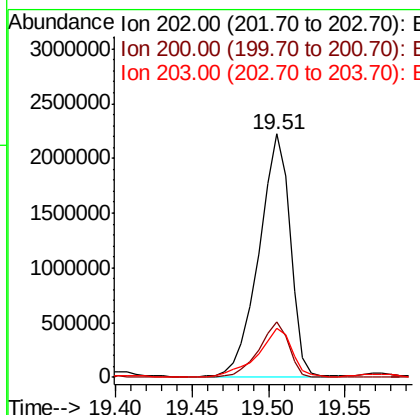
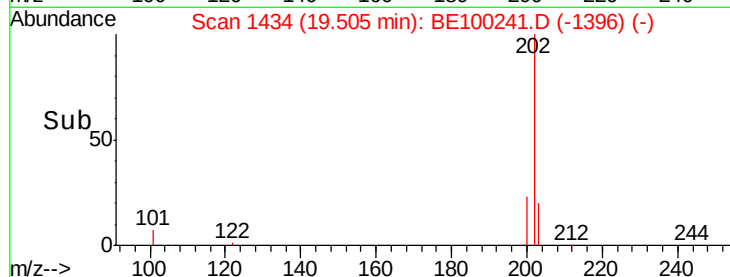
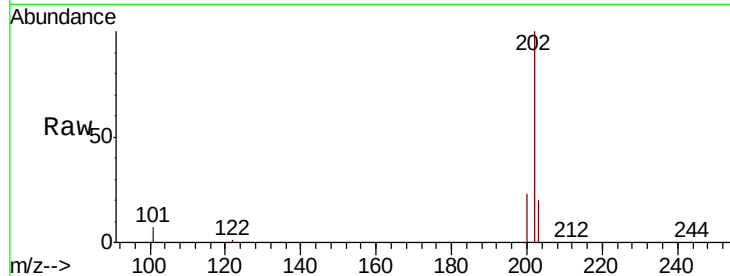
#28
Pvrene
Concen: 135.183 ng
RT: 19.51 min Scan# 1434
Delta R.T. 0.02 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	15.6	23.4
203	21.7	14.0	21.0#

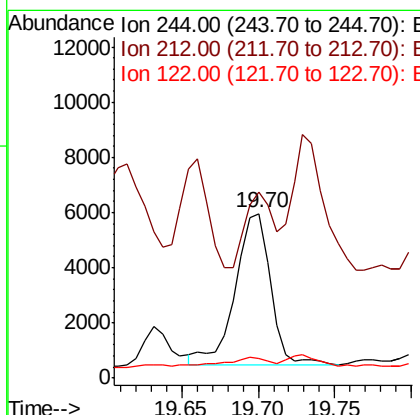
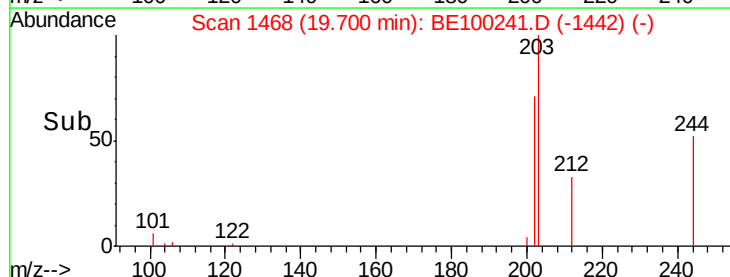
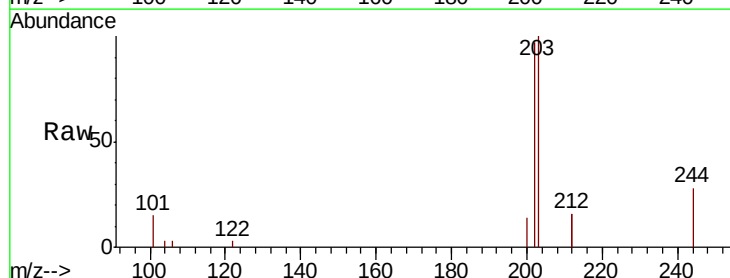
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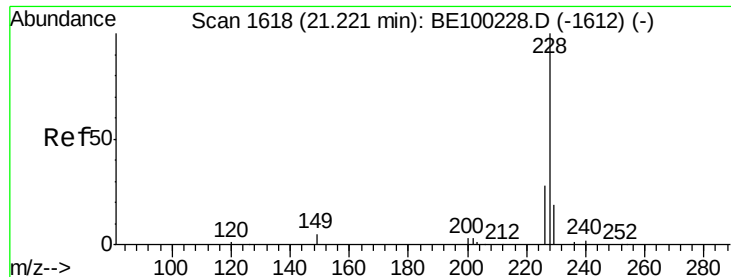
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#29
Terphenyl-d14
Concen: 0.495 ng
RT: 19.70 min Scan# 1468
Delta R.T. -0.00 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	113.3	27.3	40.9#
122	11.6	4.7	7.1#





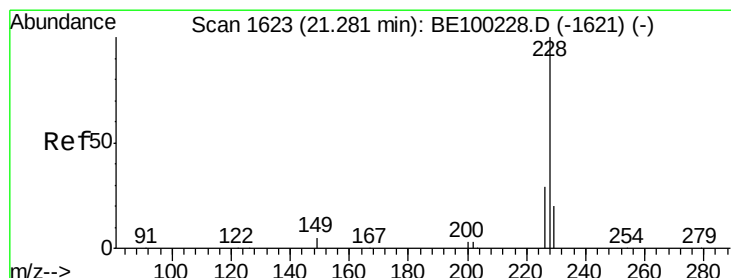
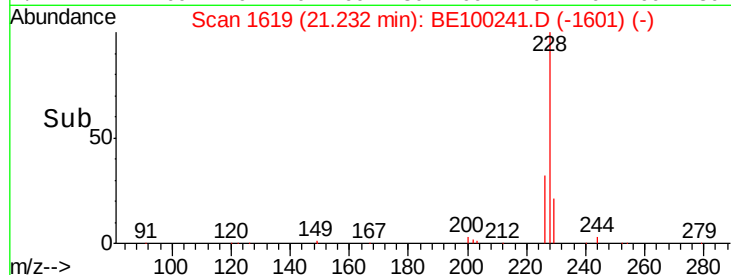
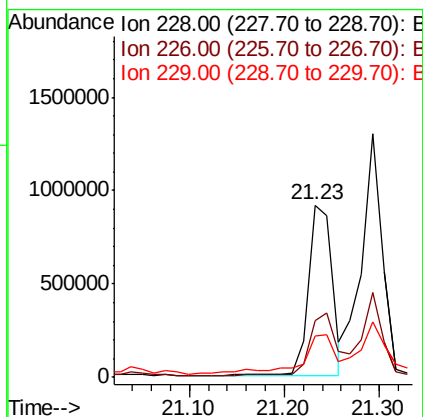
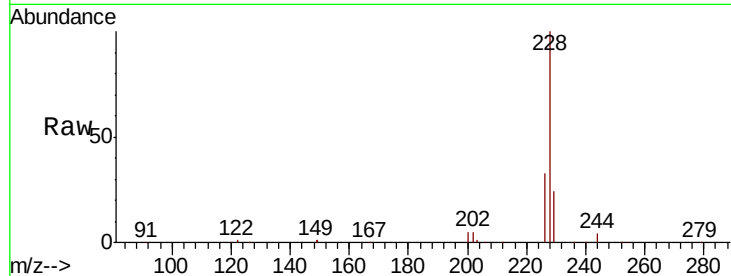
#30
Benzo(a)anthracene
Concen: 55.885 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.2	23.2	34.8
229	24.2	15.7	23.5

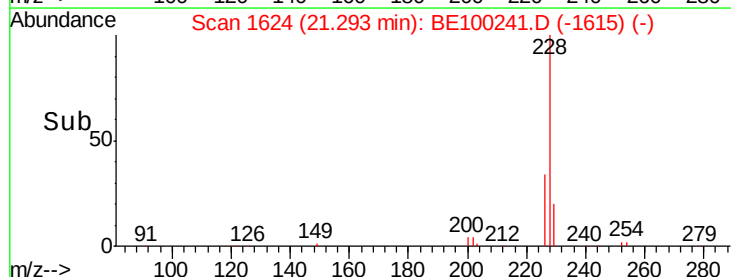
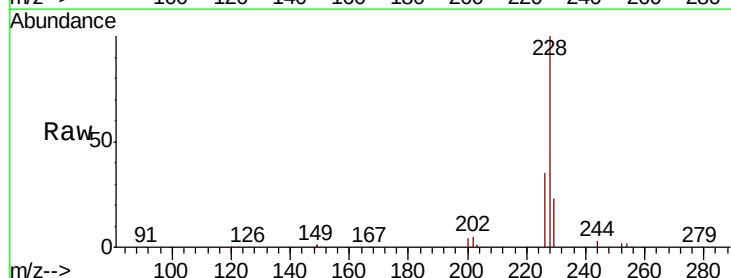
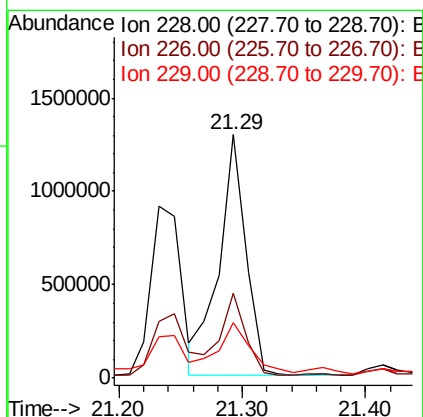
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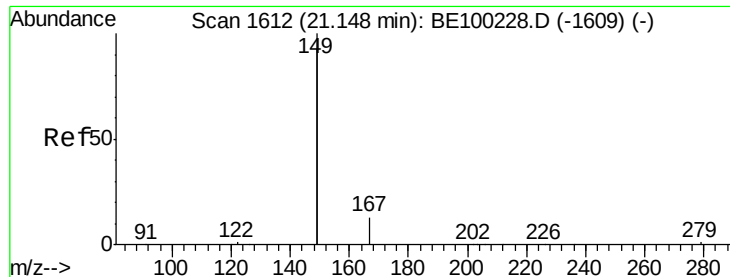
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#31
Chrysene
Concen: 68.600 ng
RT: 21.29 min Scan# 1624
Delta R.T. 0.01 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.0	23.9	35.9
229	22.9	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.353 ng

RT: 21.16 min Scan# 1613

Delta R.T. 0.01 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Instrument :

BNA_E

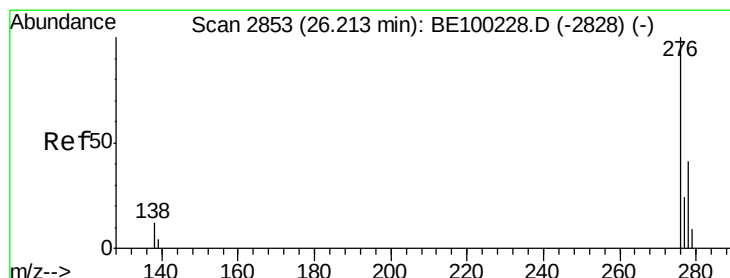
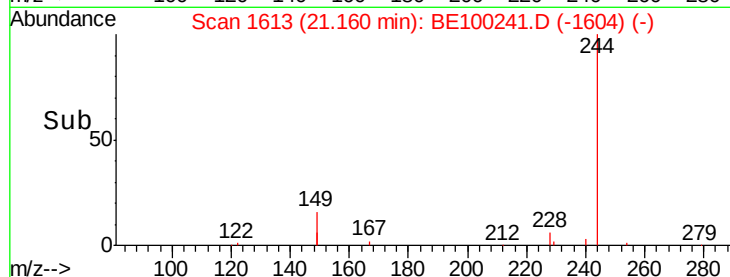
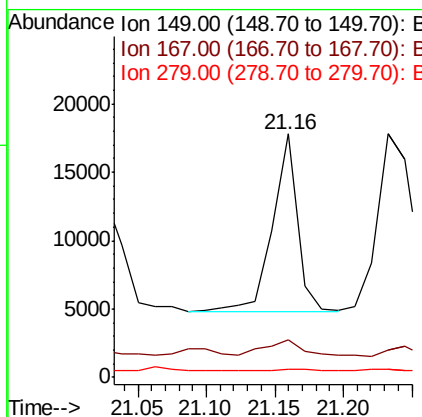
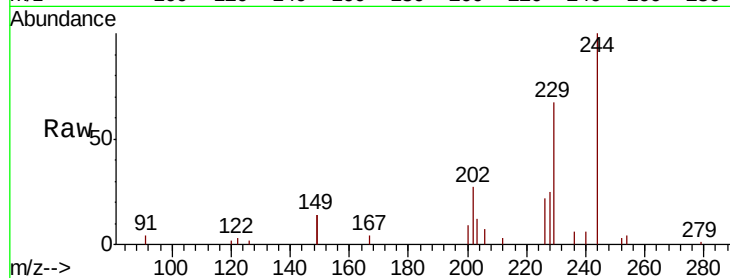
ClientSampleId :

EXT-084-SW167-061319

Tot Ion:	149	Resp:	16612
Ion Ratio	Lower	Upper	
149	100		
167	11.0	5.8	8.8#
279	1.4	1.1	1.7

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#33

Indeno(1,2,3-cd)pyrene

Concen: 23.808 ng

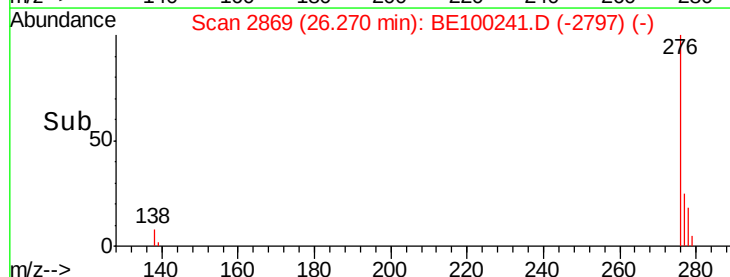
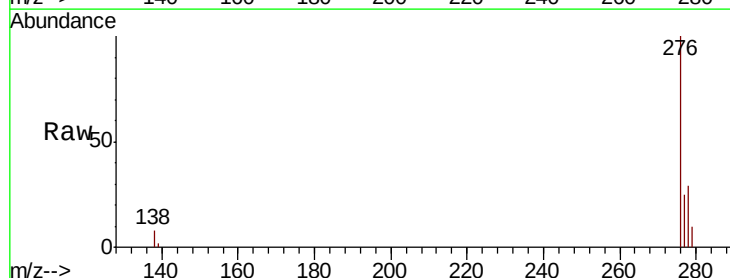
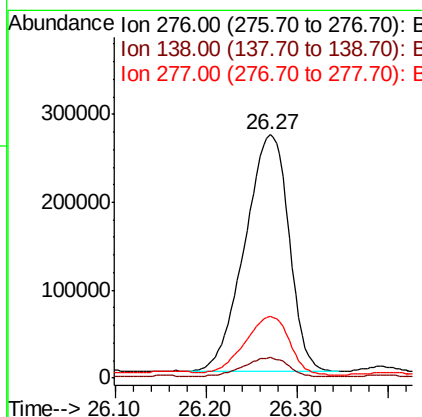
RT: 26.27 min Scan# 2869

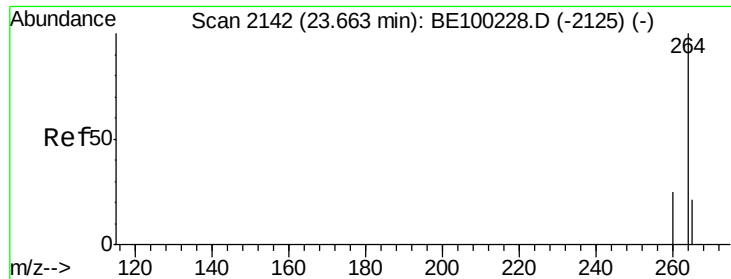
Delta R.T. 0.06 min

Lab File: BE100241.D

Acq: 28 Jun 2019 19:01

Tgt Ion:	276	Resp:	905573
Ion Ratio	Lower	Upper	
276	100		
138	8.2	9.4	14.0#
277	25.3	19.2	28.8





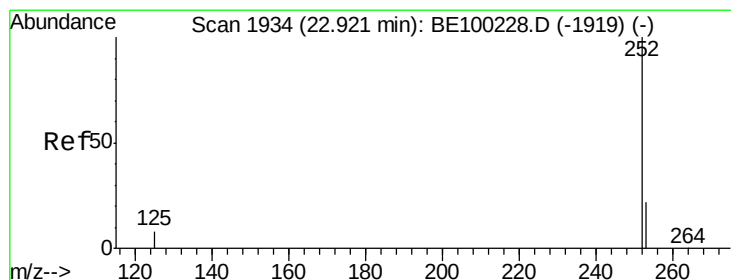
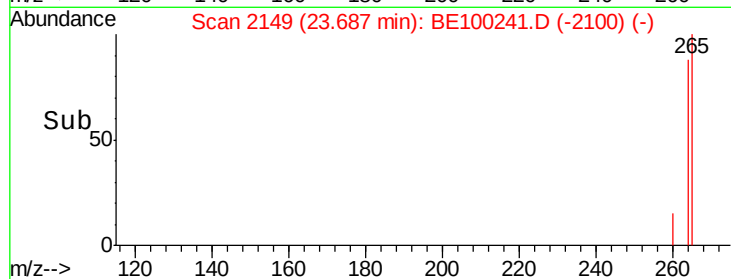
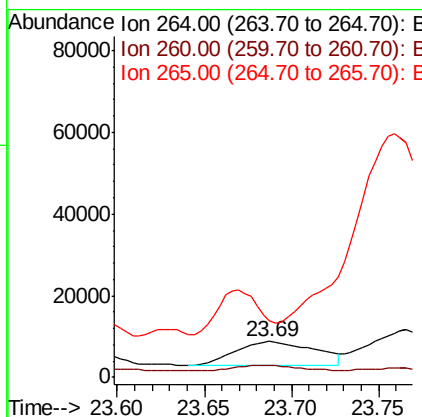
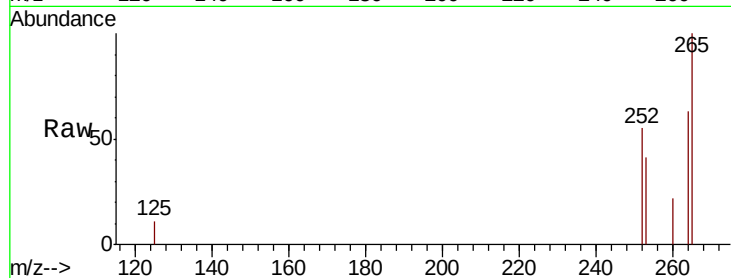
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.69 min Scan# 2149
 Delta R.T. 0.02 min
 Lab File: BE100241.D
 Acq: 28 Jun 2019 19:01

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW167-061319

Tot Ion	Ratio	Lower	Upper
264	100		
260	34.5	20.8	31.2#
265	158.2	21.8	32.6#

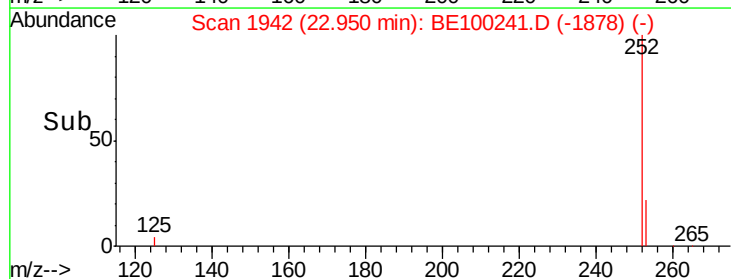
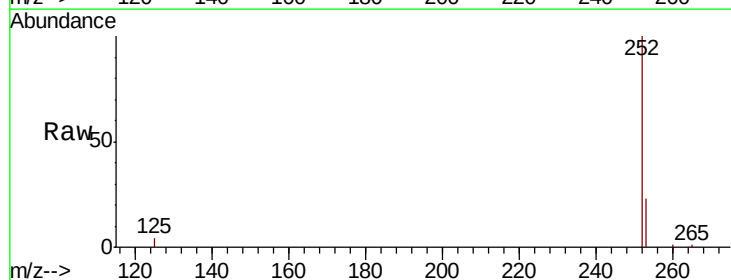
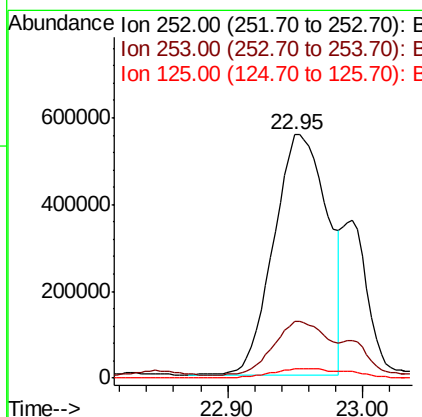
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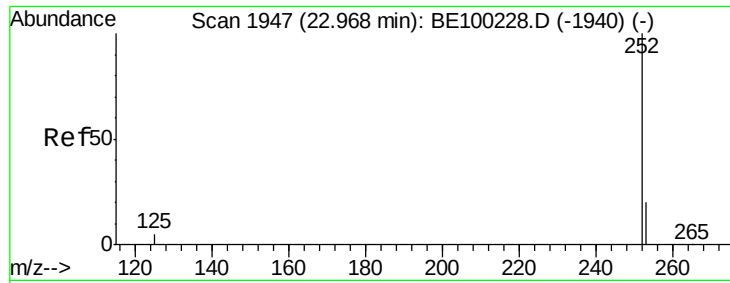
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#35
 Benzo(b)fluoranthene
 Concen: 29.772 ng
 RT: 22.95 min Scan# 1942
 Delta R.T. 0.03 min
 Lab File: BE100241.D
 Acq: 28 Jun 2019 19:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.2	28.8
125	3.9	7.4	11.0#





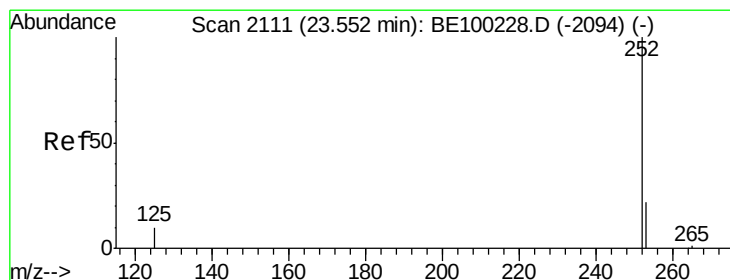
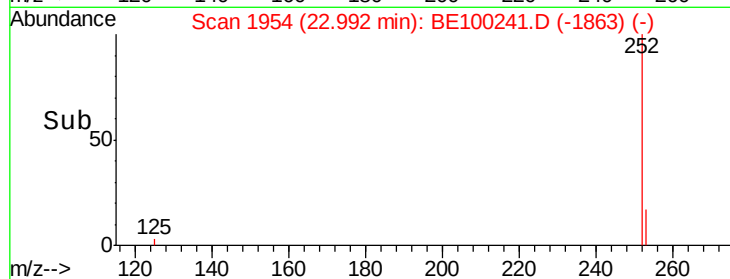
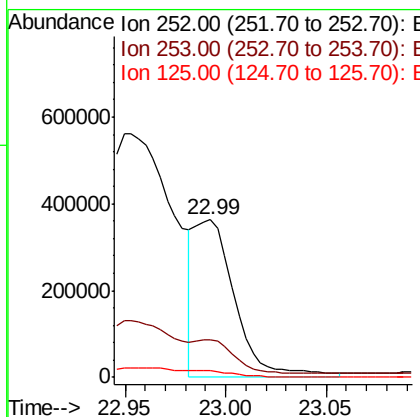
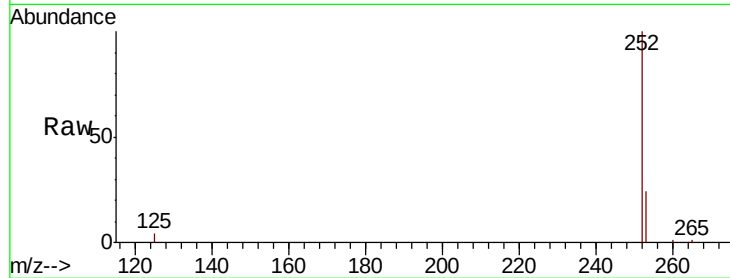
#36
Benzo(k)fluoranthene
Concen: 8.902 ng m
RT: 22.99 min Scan# 1954
Delta R.T. 0.02 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	4.0	5.0	7.4

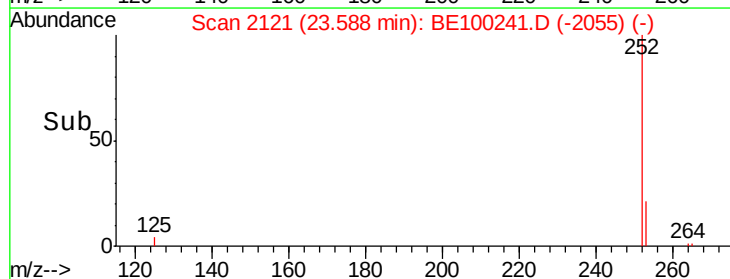
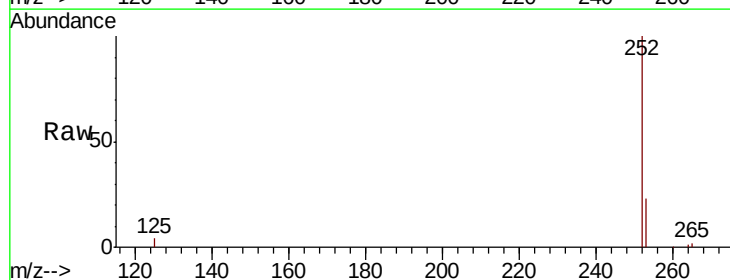
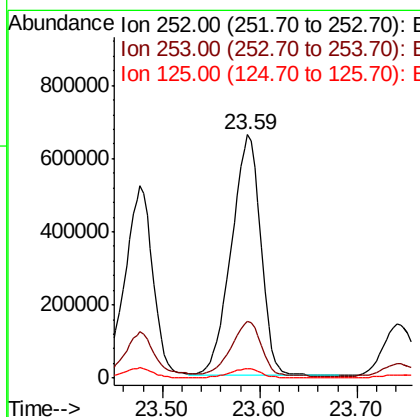
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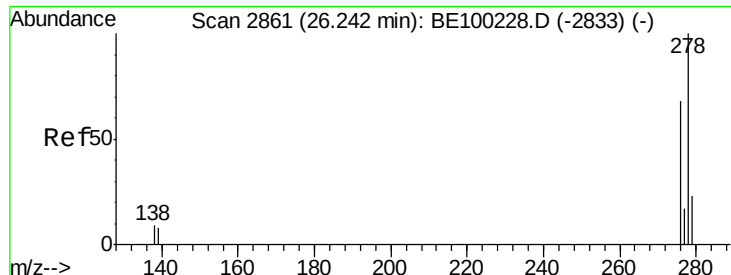
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#37
Benzo(a)pyrene
Concen: 27.068 ng
RT: 23.59 min Scan# 2121
Delta R.T. 0.04 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.6	29.4
125	3.8	9.0	13.6





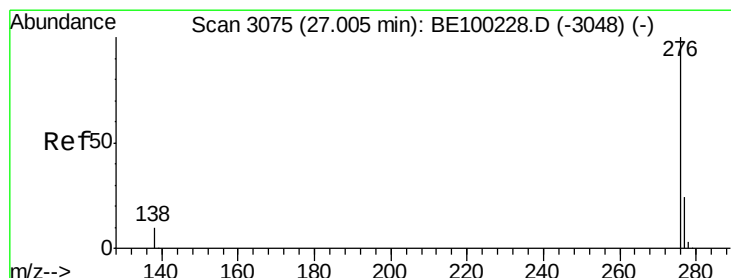
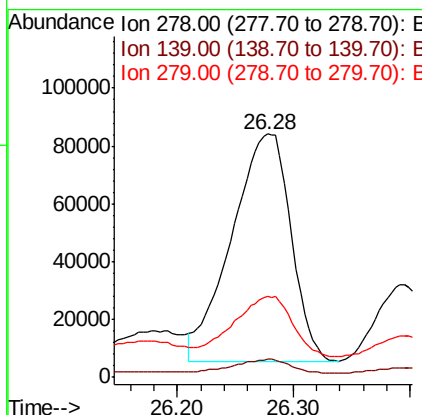
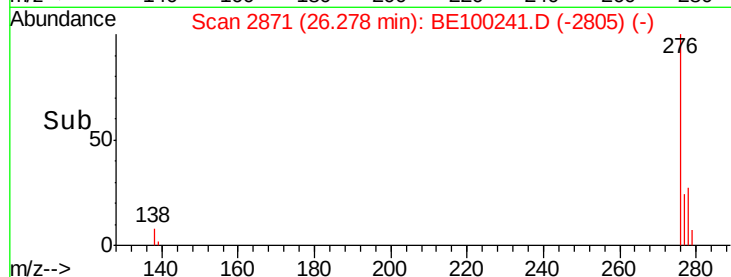
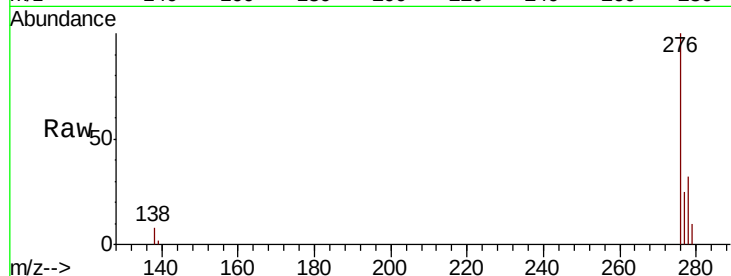
#38
Dibenzo(a,h)anthracene
Concen: 5.188 ng
RT: 26.28 min Scan# 2871
Delta R.T. 0.04 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW167-061319

Tot Ion	Ratio	Lower	Upper
278	100		
139	7.3	8.2	12.2#
279	33.0	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/1/2019 3:06:59 PM



#39
Benzo(g,h,i)perylene
Concen: 19.609 ng
RT: 27.08 min Scan# 3095
Delta R.T. 0.07 min
Lab File: BE100241.D
Acq: 28 Jun 2019 19:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.2	30.2
138	8.3	9.0	13.6#

