

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
 Data File : BE100388.D
 Acq On : 5 Jul 2019 19:10
 Operator : JU/SJ
 Sample : K3560-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW142-062419

Manual Integrations
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 7/8/2019 2:14:03 PM

Quant Time: Jul 06 00:51:34 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	7.62	152	663	0.40	ng	-0.02
7) Naphthalene-d8	10.42	136	2264	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	1771	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	5225	0.40	ng	-0.01
27) Chrysene-d12	21.23	240	6868	0.40	ng	-0.01
34) Perylene-d12	23.66	264	8439	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	539	0.32	ng	-0.02
5) Phenol-d6	6.82	99	661	0.30	ng	-0.02
8) Nitrobenzene-d5	8.79	82	475	0.21	ng	-0.03
11) 2-Methylnaphthalene-d10	12.02	152	1316	0.31	ng	-0.03
14) 2,4,6-Tribromophenol	15.80	330	459	0.37	ng	-0.03
15) 2-Fluorobiphenyl	12.93	172	2009	0.29	ng	-0.01
25) Fluoranthene-d10	19.08	212	20591	0.27	ng	-0.02
29) Terphenyl-d14	19.68	244	4399	0.31	ng	-0.02
Target Compounds						
9) Naphthalene	10.47	128	1057	0.042	ng	# 83
12) 2-Methylnaphthalene	12.11	142	276	0.063	ng	# 92
16) Acenaphthylene	14.02	152	753	0.089	ng	# 95
18) Fluorene	15.34	166	218	0.031	ng	# 10
23) Phenanthrene	17.08	178	4873	0.385	ng	97
24) Anthracene	17.18	178	525	0.046	ng	# 91
26) Fluoranthene	19.12	202	9904	0.491	ng	99
28) Pyrene	19.48	202	13284	0.731	ng	97
30) Benzo(a)anthracene	21.22	228	6496	0.288	ng	# 79
31) Chrysene	21.27	228	9835	0.434	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.14	149	15101	0.416	ng	97
33) Indeno(1,2,3-cd)pyrene	26.20	276	5309	0.177	ng	# 95
35) Benzo(b)fluoranthene	22.91	252	10296	0.450	ng	# 75
36) Benzo(k)fluoranthene	22.95	252	2920m	0.114	ng	
37) Benzo(a)pyrene	23.55	252	6533	0.285	ng	# 73
38) Dibenzo(a,h)anthracene	26.21	278	1333	0.056	ng	# 8
39) Benzo(a,h,i)perylene	26.99	276	6263	0.255	ng	# 84

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

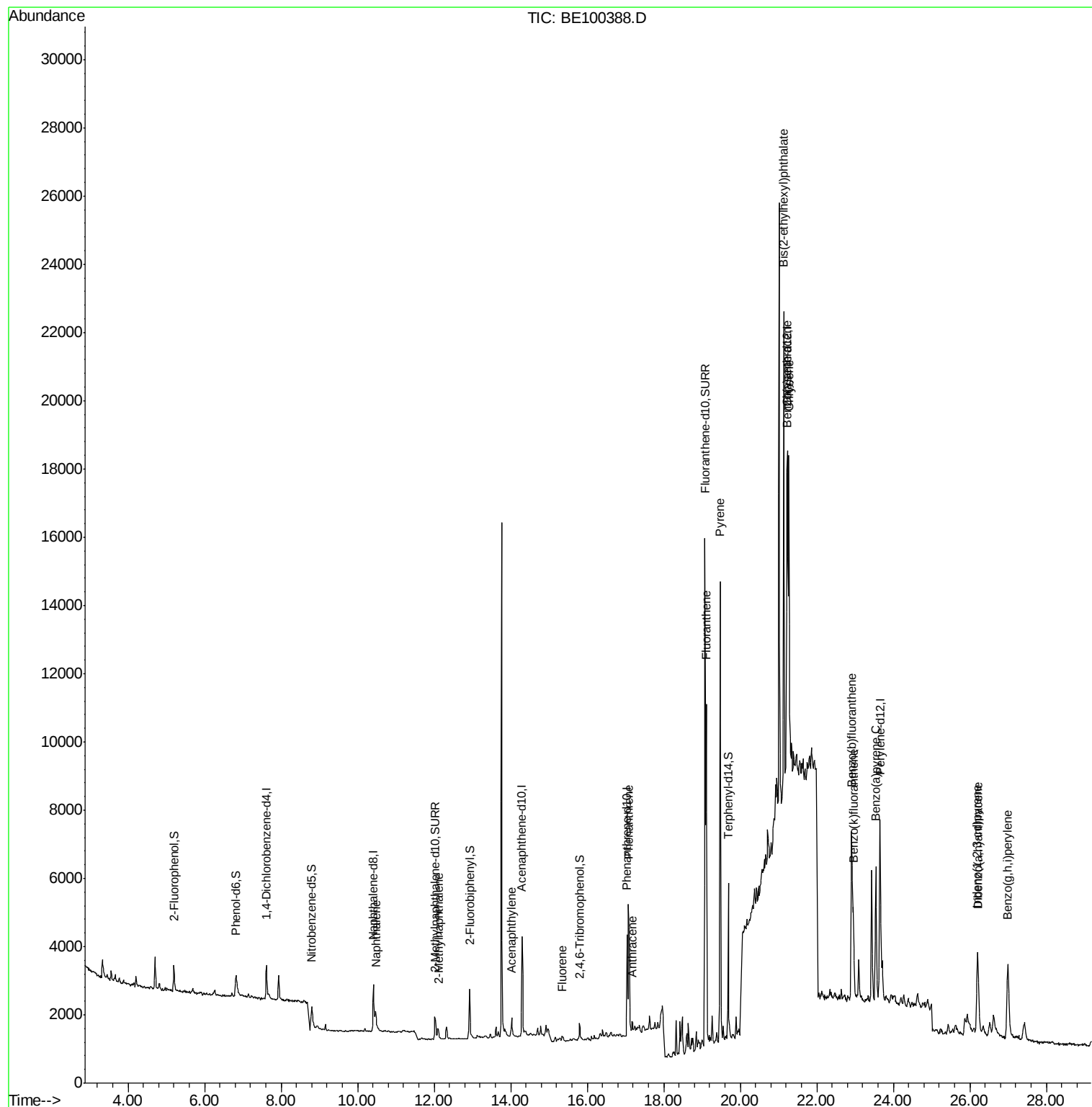
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
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#1

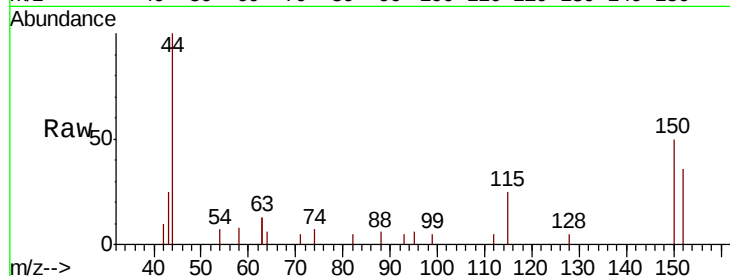
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 413
Delta R.T. -0.02 min
Lab File: BE100388.D
Acq: 5 Jul 2019 19:10

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW142-062419

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.6	114.5	171.7
115	70.4	57.1	85.7

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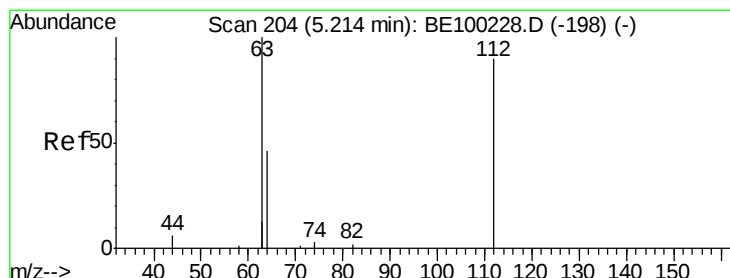
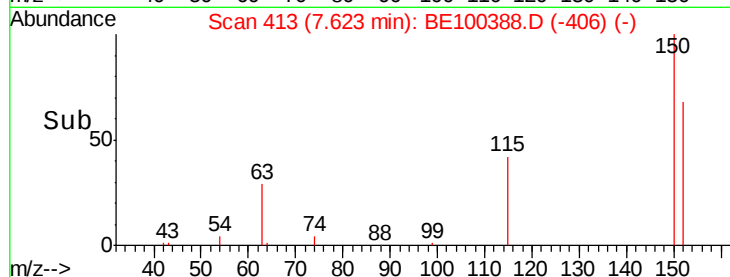
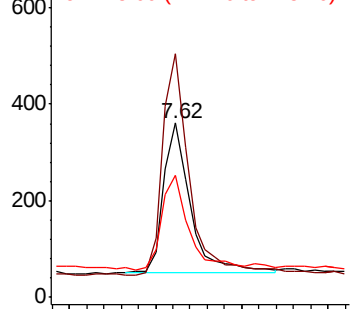


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

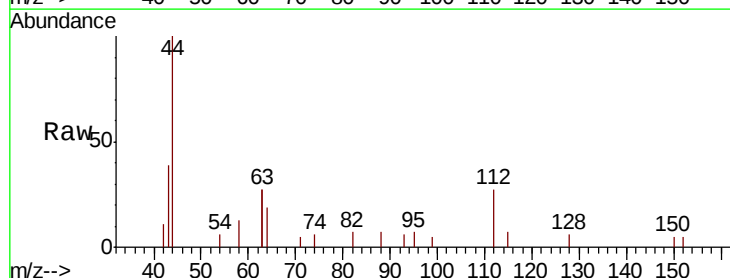
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.319 ng
RT: 5.19 min Scan# 202
Delta R.T. -0.02 min
Lab File: BE100388.D
Acq: 5 Jul 2019 19:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	39.4	59.0
63	142.3	104.5	156.7

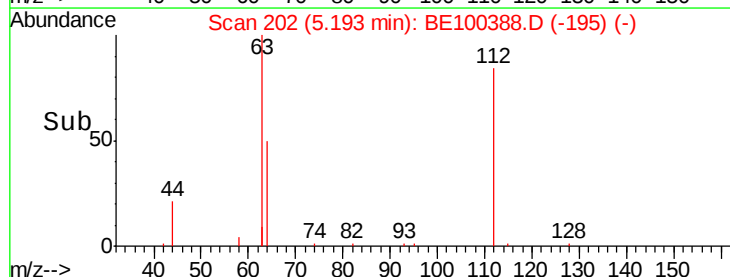
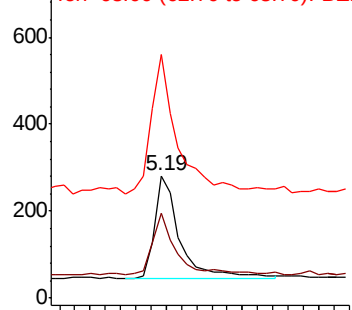


Abundance

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: 0.297 ng

RT: 6.82 min Scan# 343

Delta R.T. -0.02 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Instrument :

BNA_E

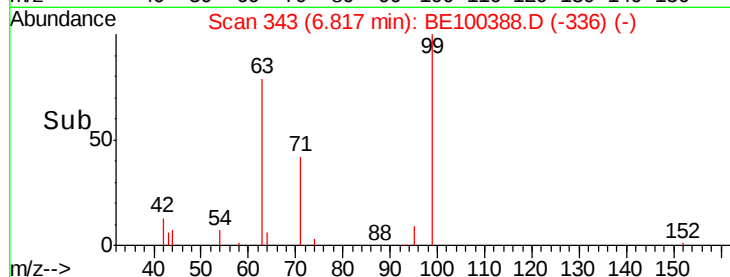
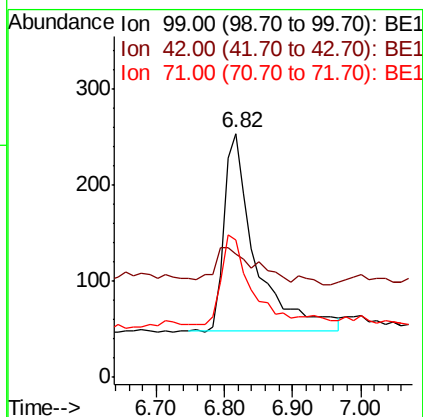
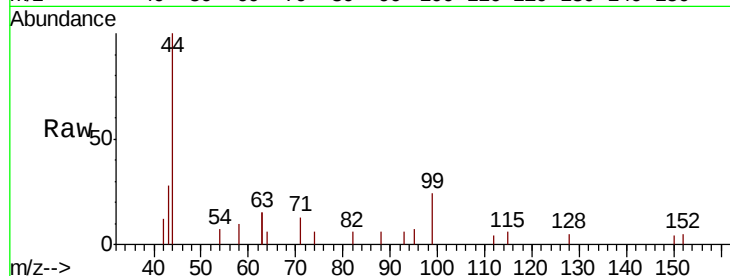
ClientSampleId :

EXT-009-SW142-062419

Tot Ion:	99	Resp:	661
Ion	Ratio	Lower	Upper
99	100		
42	20.9	11.2	16.8#
71	43.1	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

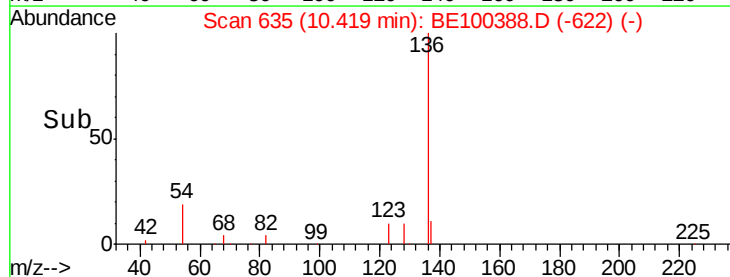
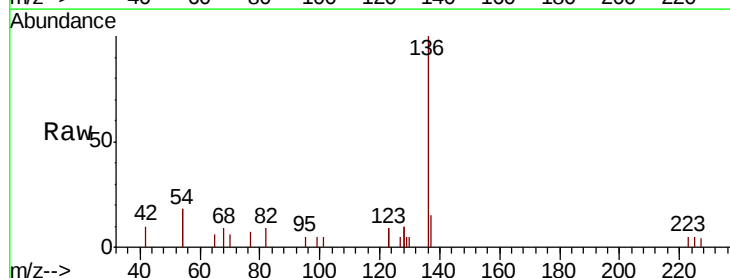
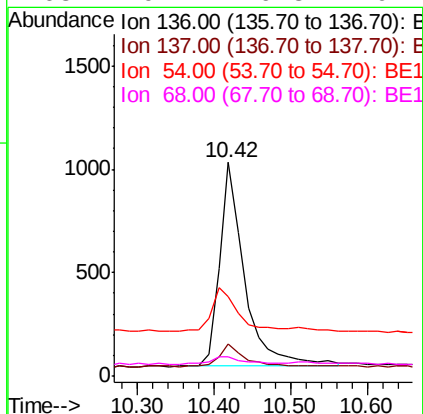
RT: 10.42 min Scan# 635

Delta R.T. -0.03 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Tgt Ion:	136	Resp:	2264
Ion	Ratio	Lower	Upper
136	100		
137	15.2	11.8	17.8
54	37.0	27.7	41.5
68	9.2	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.211 ng

RT: 8.79 min Scan# 510

Delta R.T. -0.03 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Instrument :

BNA_E

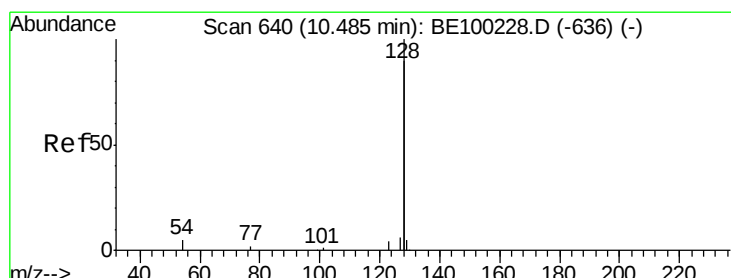
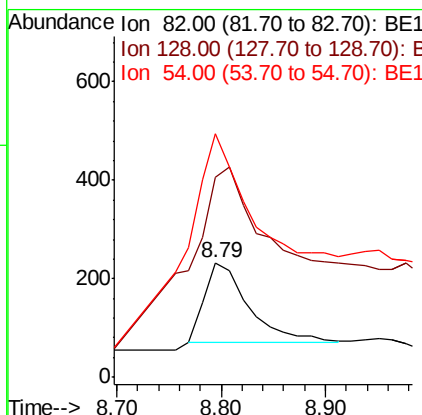
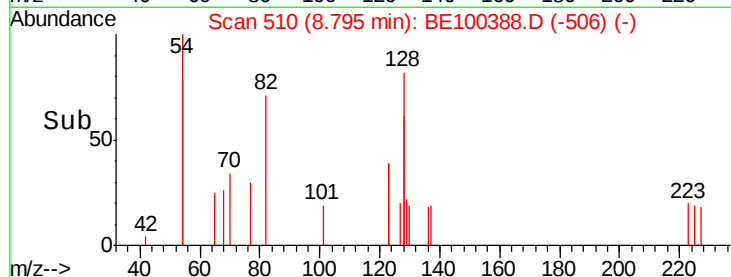
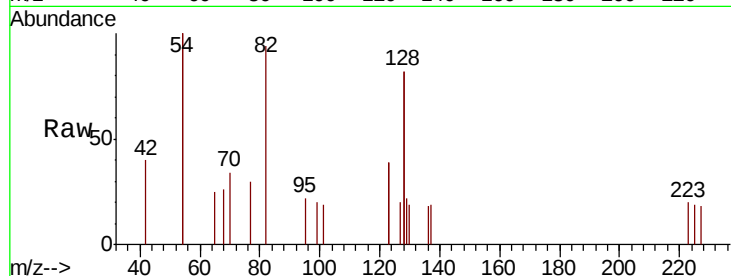
ClientSampleId :

EXT-009-SW142-062419

Tot Ion:	82	Resp:	475
Ion Ratio	Lower	Upper	
82	100		
128	174.2	140.9	211.3
54	212.0	146.2	219.2

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#9

Naphthalene

Concen: 0.042 ng

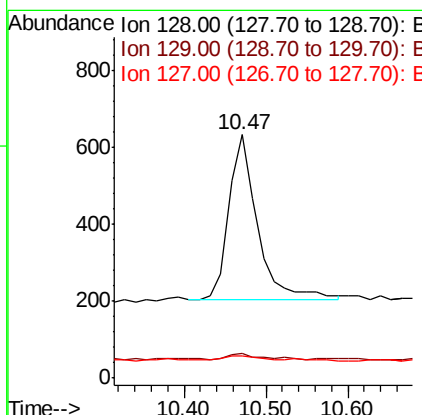
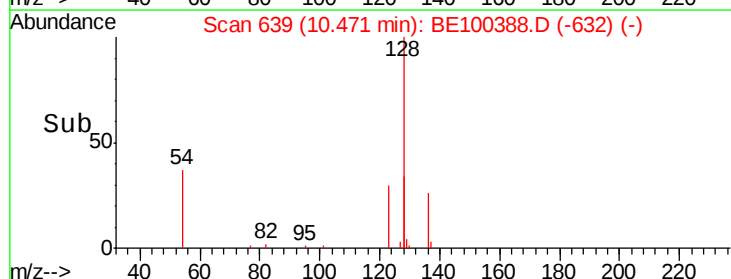
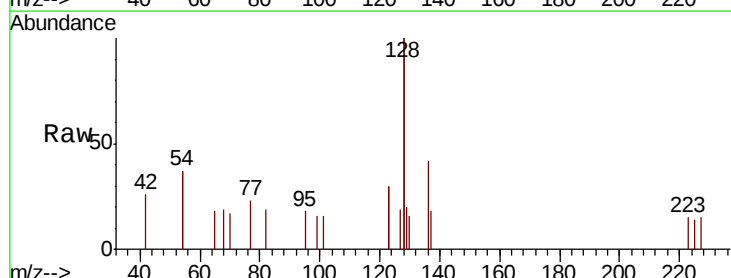
RT: 10.47 min Scan# 639

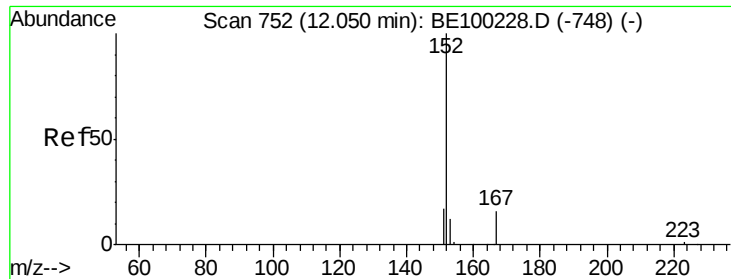
Delta R.T. -0.01 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Tgt Ion:	128	Resp:	1057
Ion Ratio	Lower	Upper	
128	100		
129	10.1	3.0	4.6#
127	9.3	3.5	5.3#





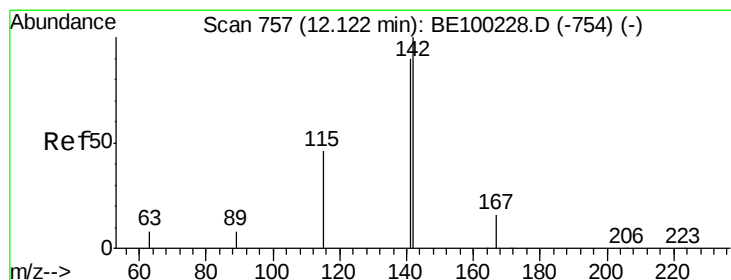
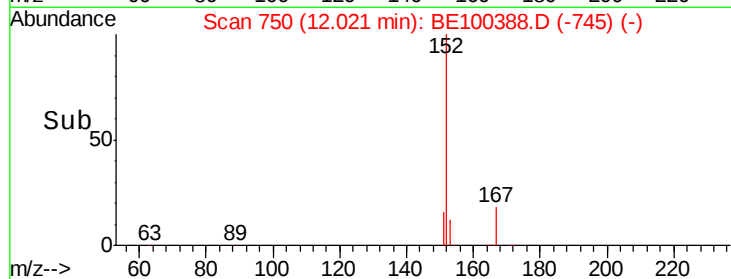
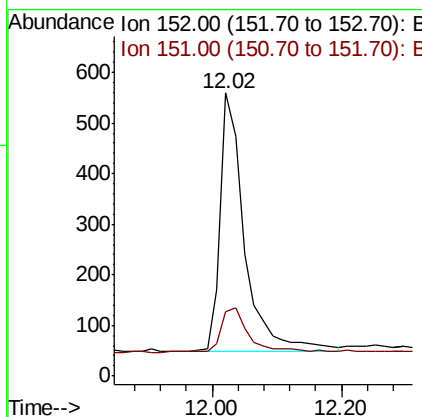
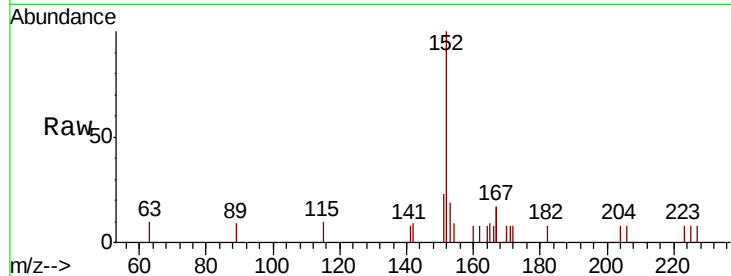
#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 12.02 min Scan# 750
Delta R.T. -0.03 min
Lab File: BE100388.D
Acq: 5 Jul 2019 19:10

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW142-062419

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.1	22.7

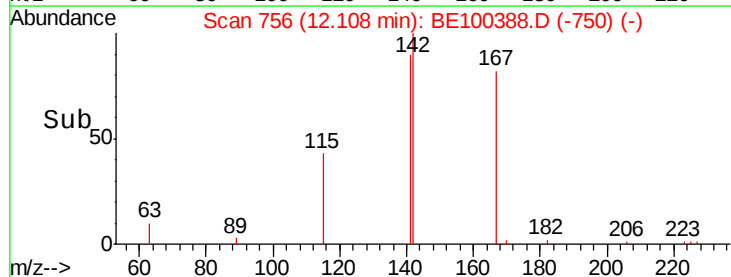
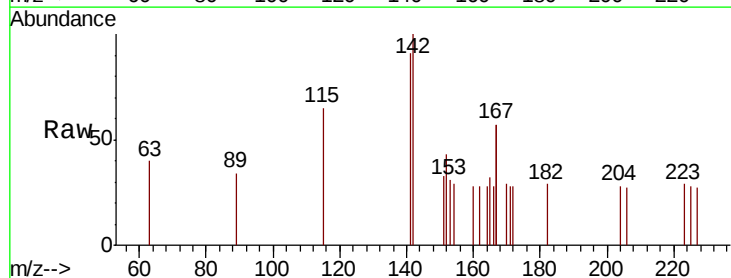
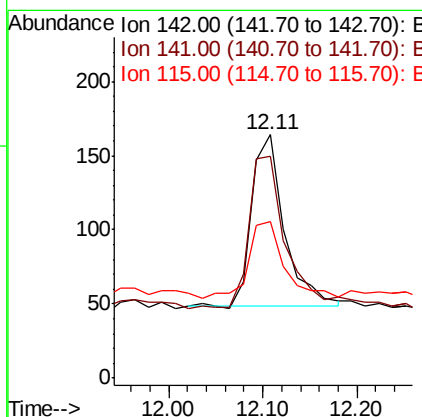
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#12
2-Methylnaphthalene
Concen: 0.063 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100388.D
Acq: 5 Jul 2019 19:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	72.4	108.6
115	64.6	40.4	60.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 908

Delta R.T. -0.01 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Instrument :

BNA_E

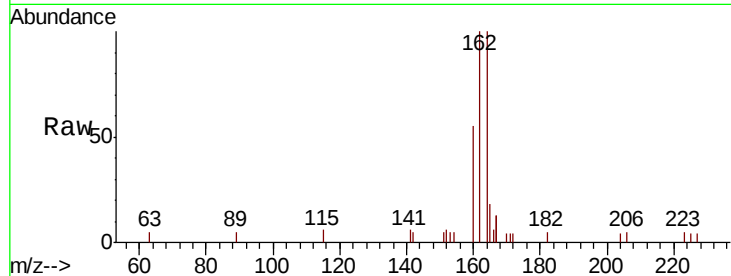
ClientSampleId :

EXT-009-SW142-062419

Tot Ion:	164	Resp:	1771
Ion	Ratio	Lower	Upper
164	100		
162	99.8	83.4	125.0
160	54.9	45.0	67.6

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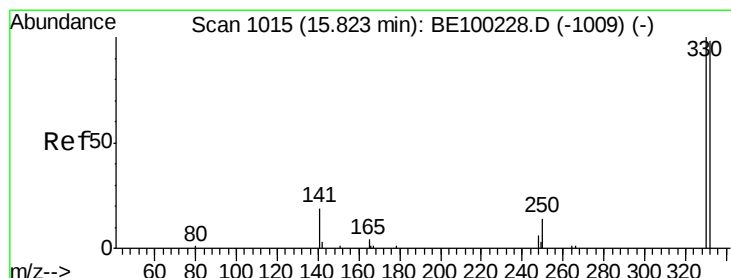
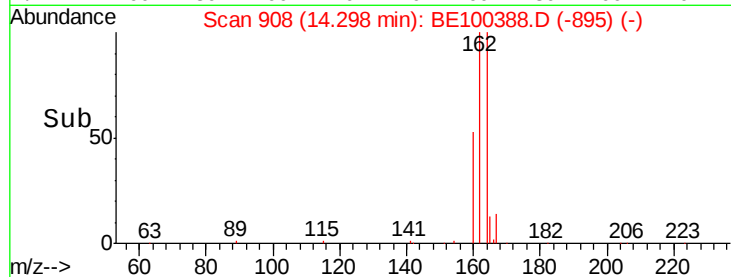
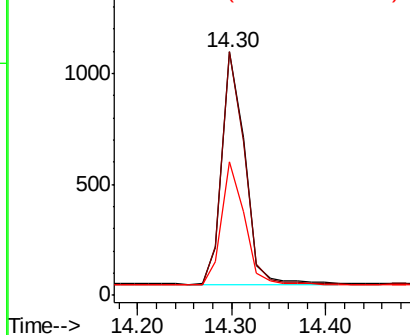


Abundance

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: 0.371 ng

RT: 15.80 min Scan# 1013

Delta R.T. -0.03 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

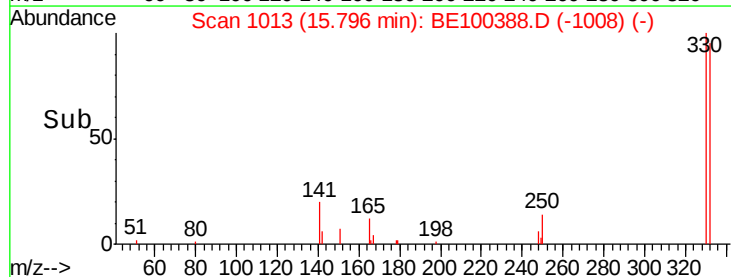
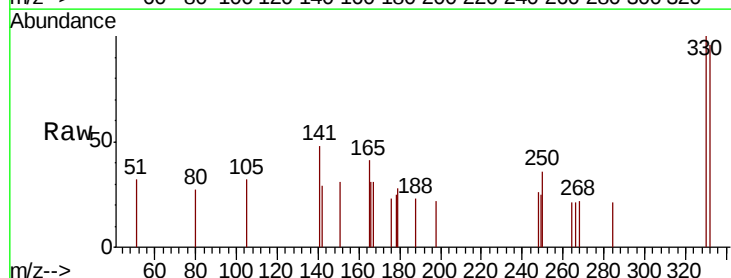
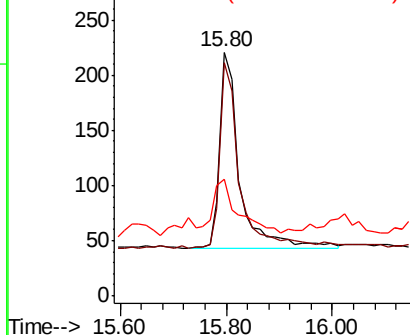
Tgt Ion:	330	Resp:	459
Ion	Ratio	Lower	Upper
330	100		
332	93.5	77.0	115.4
141	33.3	22.0	33.0#

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





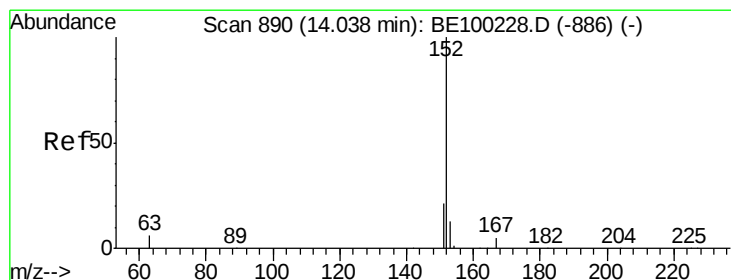
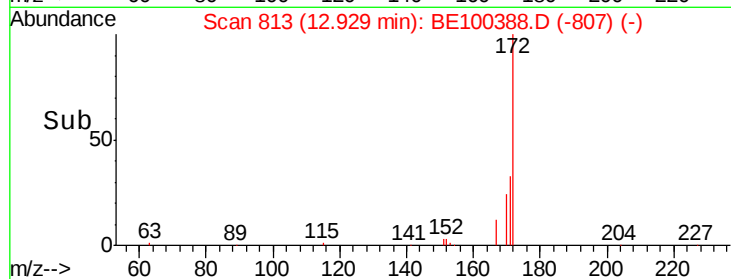
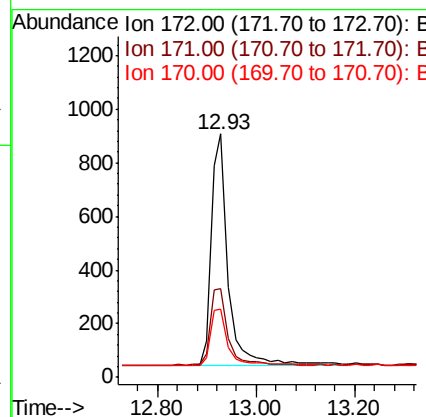
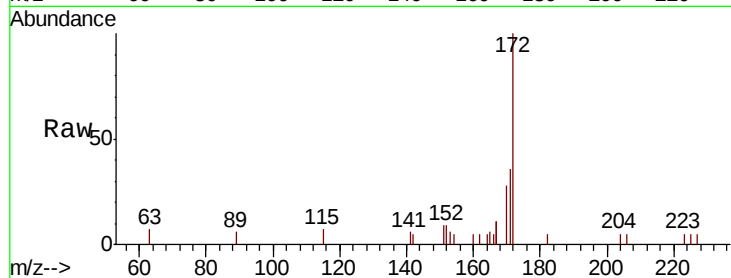
#15
2-Fluorobiphenyl
Concen: 0.291 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100388.D
Acq: 5 Jul 2019 19:10

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW142-062419

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	31.9	47.9
170	28.0	22.2	33.2

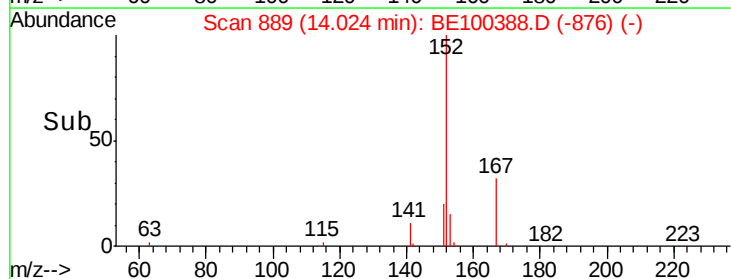
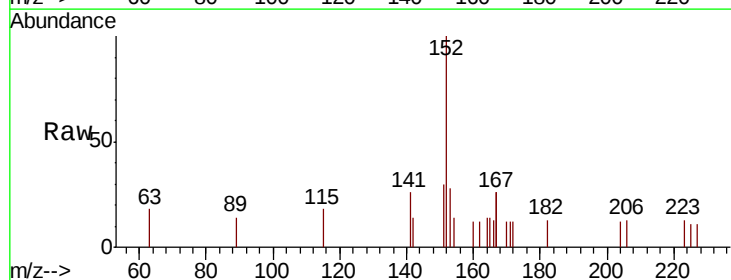
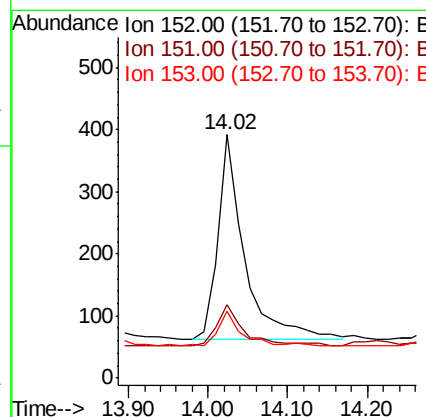
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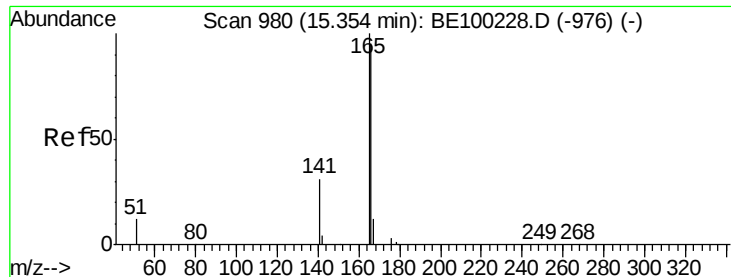
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#16
Acenaphthylene
Concen: 0.089 ng
RT: 14.02 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100388.D
Acq: 5 Jul 2019 19:10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.6	25.0
153	18.1	10.5	15.7





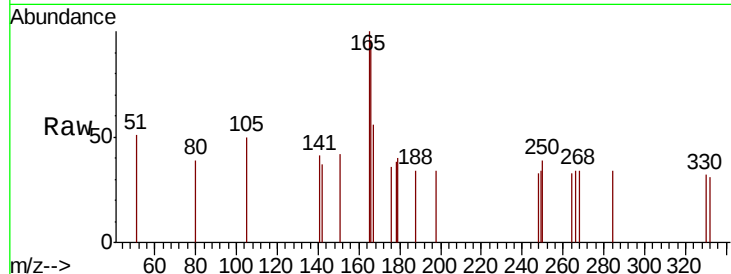
#18
Fluorene
Concen: 0.031 ng
RT: 15.34 min Scan# 979
Delta R.T. -0.01 min
Lab File: BE100388.D
Acq: 5 Jul 2019 19:10

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW142-062419

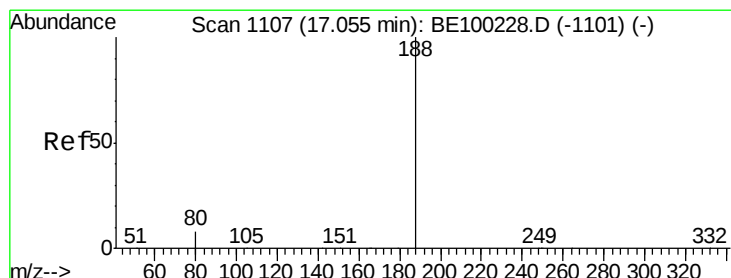
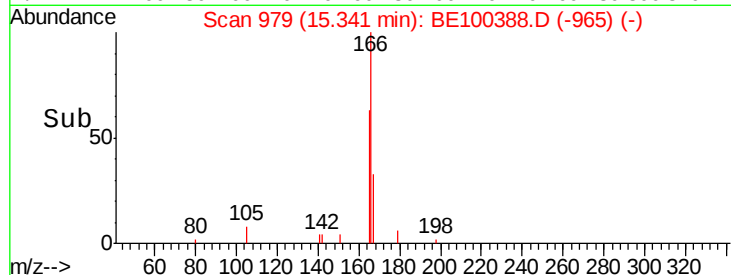
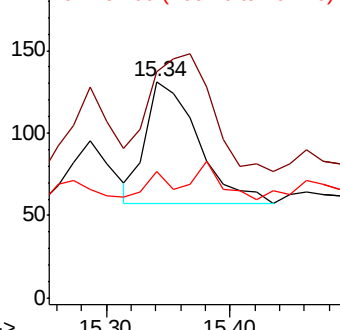
Tot Ion	Ratio	Lower	Upper
166	100		
165	0.0	81.1	121.7#
167	9.6	10.7	16.1#

Manual Integrations
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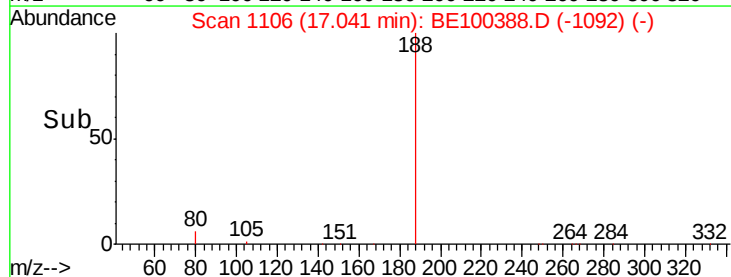
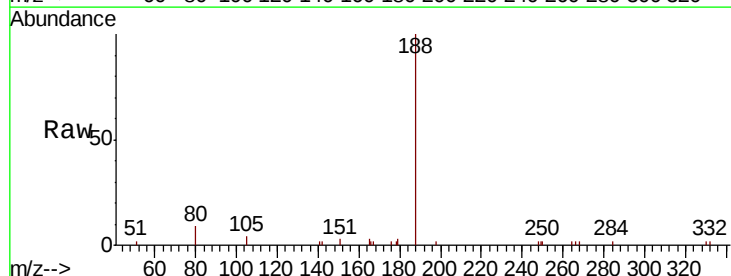
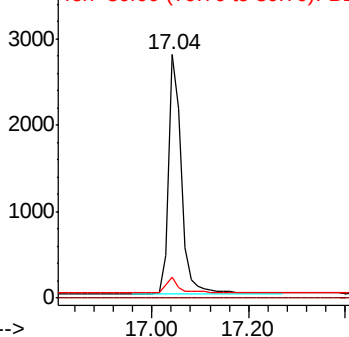
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

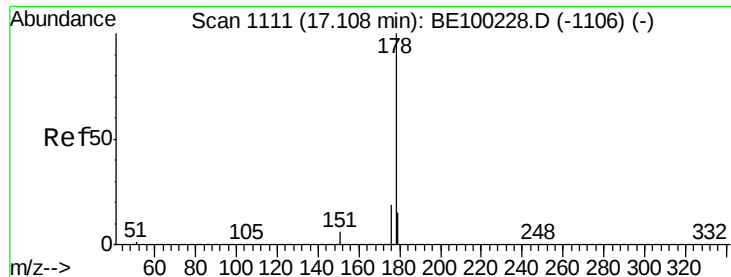


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BE100388.D
Acq: 5 Jul 2019 19:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.6	7.6	11.4

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE1
Ion 80.00 (79.70 to 80.70): BE1





#23

Phenanthrene

Concen: 0.385 ng

RT: 17.08 min Scan# 1109

Delta R.T. -0.03 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Instrument :

BNA_E

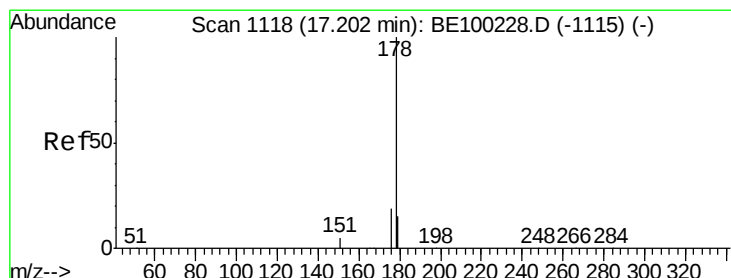
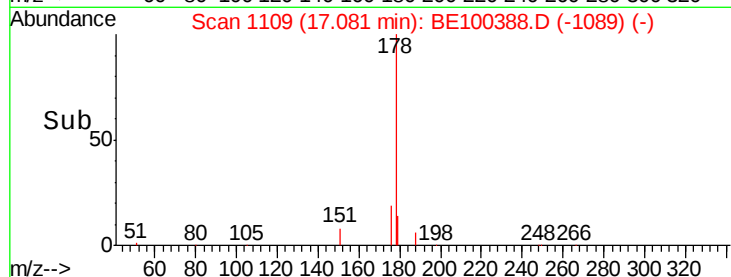
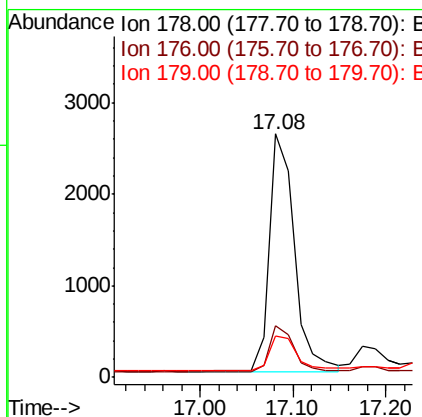
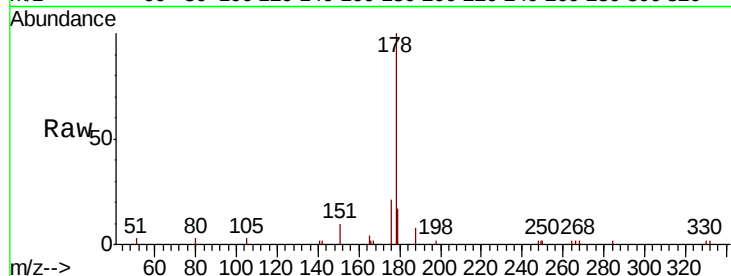
ClientSampleId :

EXT-009-SW142-062419

Tot Ion:178	Resp:	4873
Ion Ratio	Lower	Upper
178	100	
176	19.6	15.9 23.9
179	17.5	12.2 18.2

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#24

Anthracene

Concen: 0.046 ng

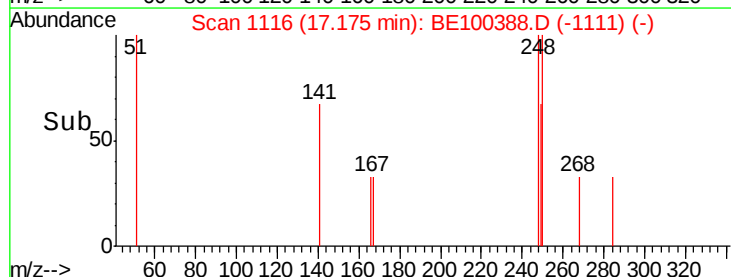
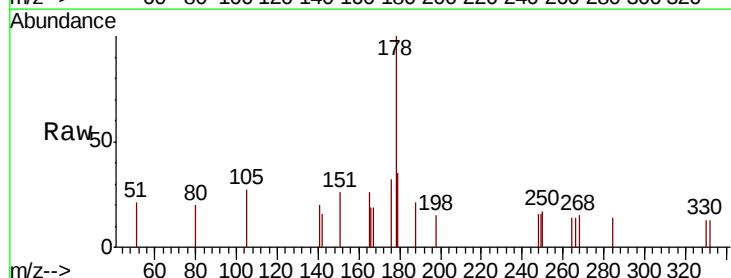
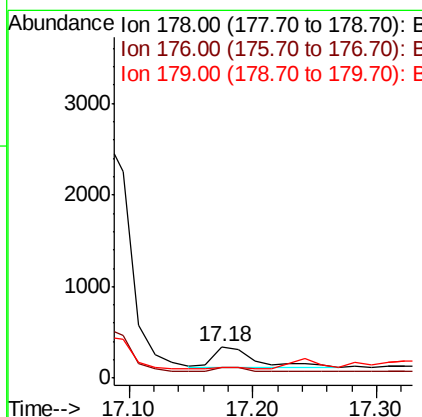
RT: 17.18 min Scan# 1116

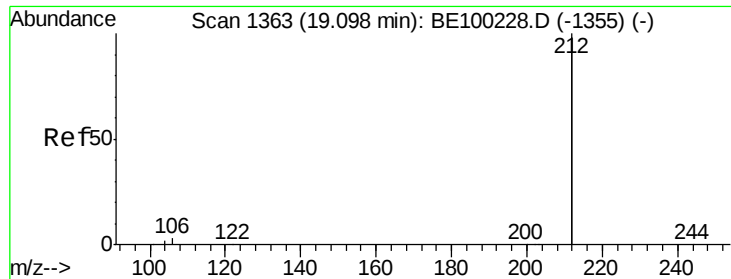
Delta R.T. -0.03 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Tgt Ion:178	Resp:	525
Ion Ratio	Lower	Upper
178	100	
176	19.0	15.3 22.9
179	7.0	12.2 18.2#





#25

Fluoranthene-d10

Concen: 0.272 ng

RT: 19.08 min Scan# 1360

Delta R.T. -0.02 min

Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Instrument :

BNA_E

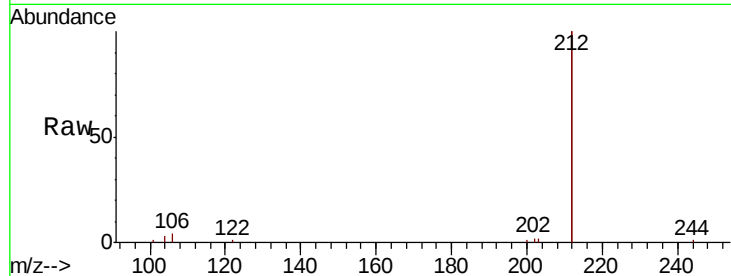
ClientSampleId :

EXT-009-SW142-062419

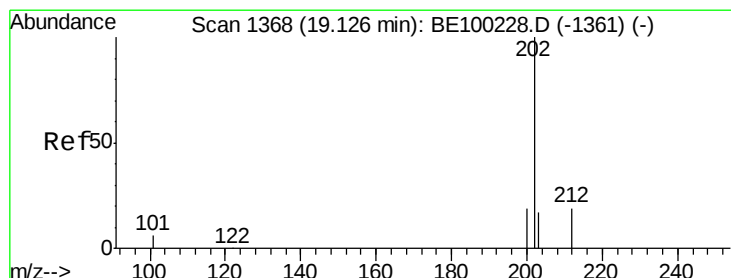
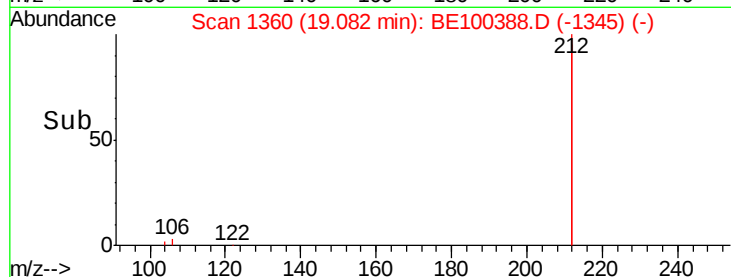
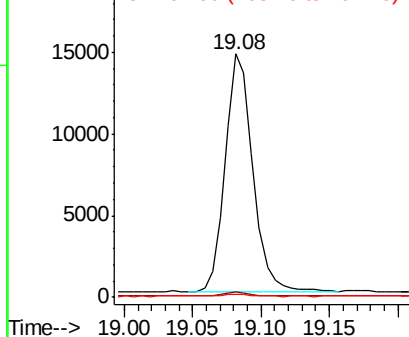
Tot Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	0.9	0.8	1.2

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.491 ng

RT: 19.12 min Scan# 1366

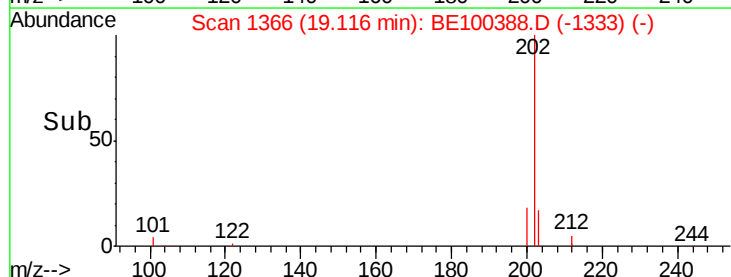
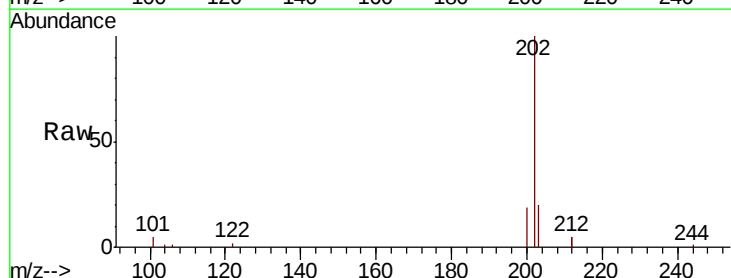
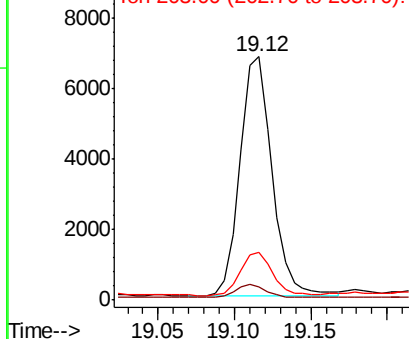
Delta R.T. -0.01 min

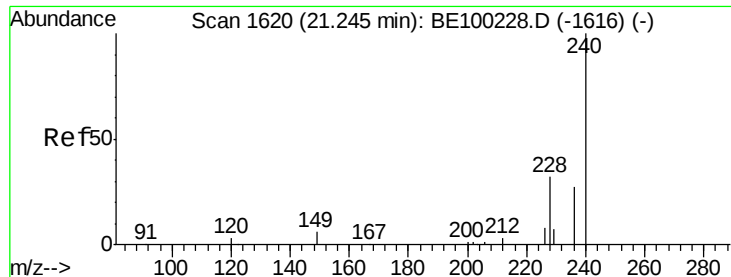
Lab File: BE100388.D

Acq: 5 Jul 2019 19:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.5	4.6	7.0
203	17.8	13.7	20.5

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





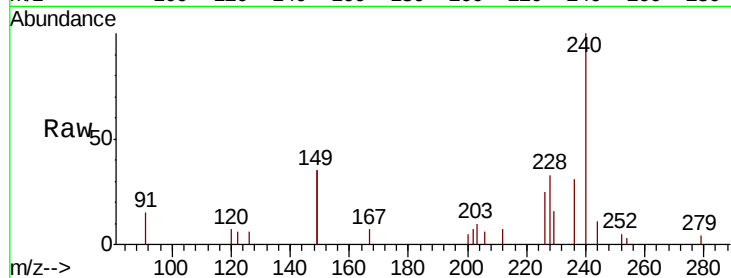
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.23 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BE100388.D
Acq: 5 Jul 2019 19:10

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW142-062419

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.5	3.3	4.9#
236	30.6	22.6	34.0

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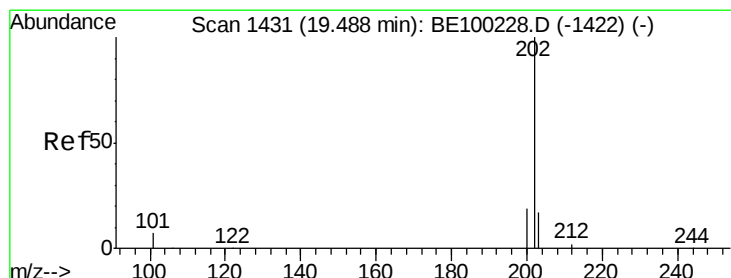
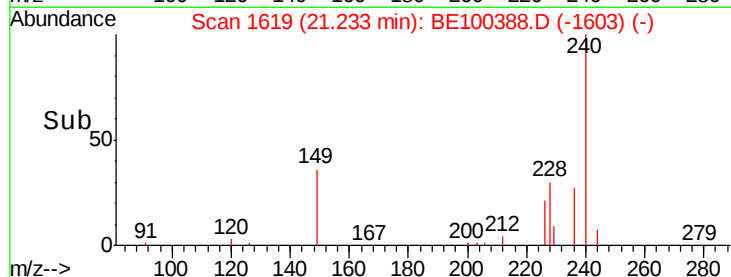
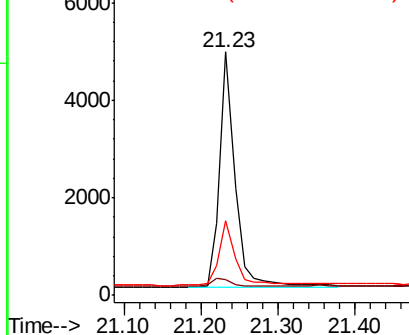


Abundance

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
Pyrene
Concen: 0.731 ng
RT: 19.48 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE100388.D
Acq: 5 Jul 2019 19:10

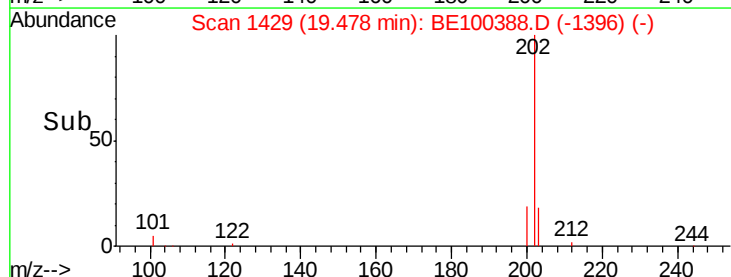
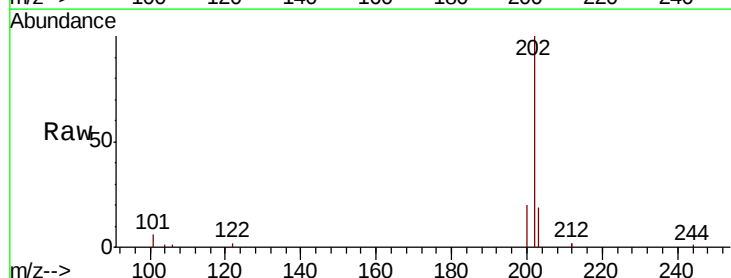
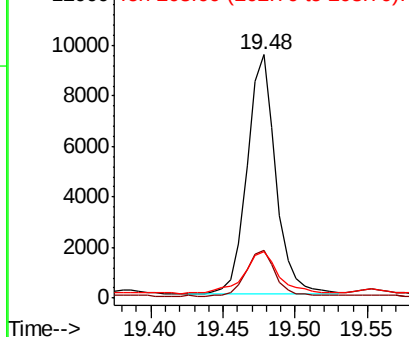
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.6	23.4
203	20.5	14.0	21.0

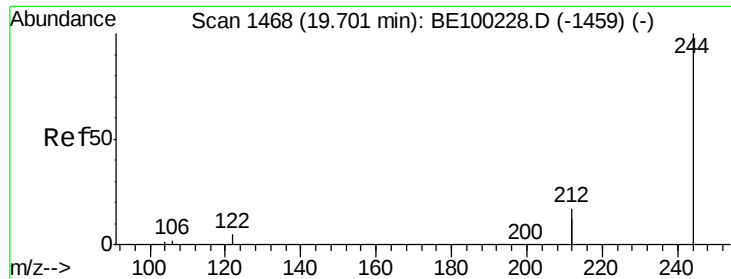
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





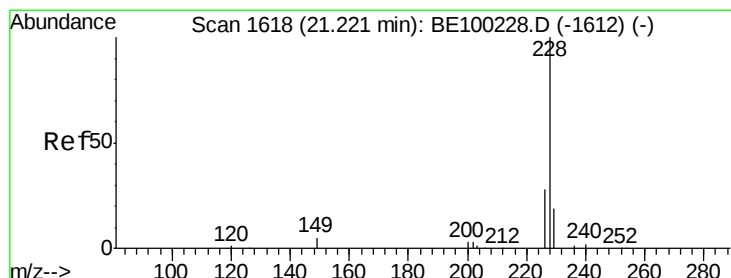
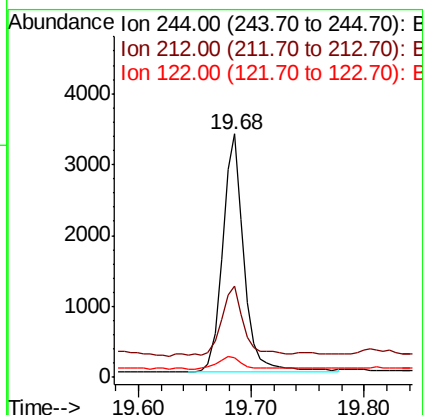
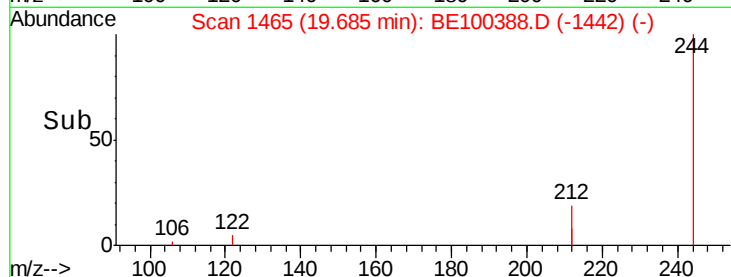
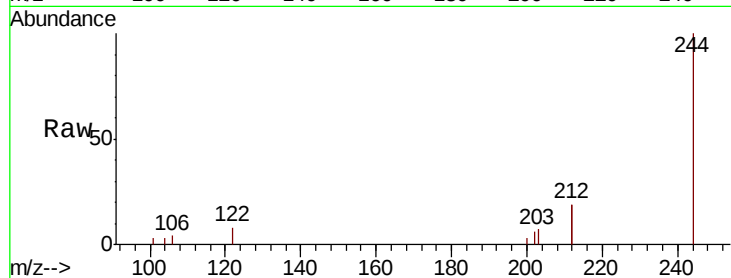
#29
 Terphenyl-d14
 Concen: 0.309 ng
 RT: 19.68 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BE100388.D
 Acq: 5 Jul 2019 19:10

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW142-062419

Tot Ion	Ratio	Lower	Upper
244	100		
212	37.5	27.3	40.9
122	8.0	4.7	7.1

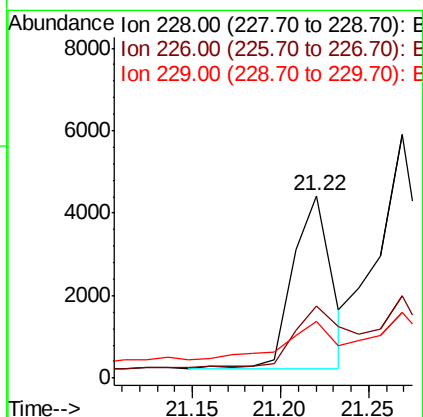
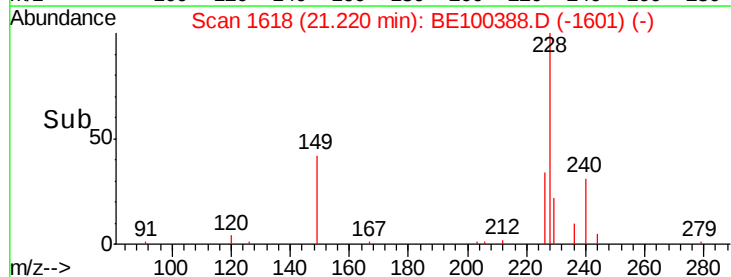
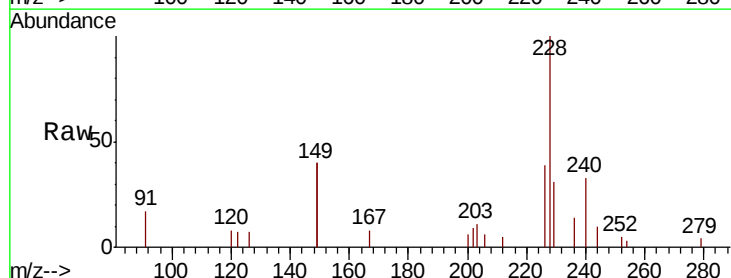
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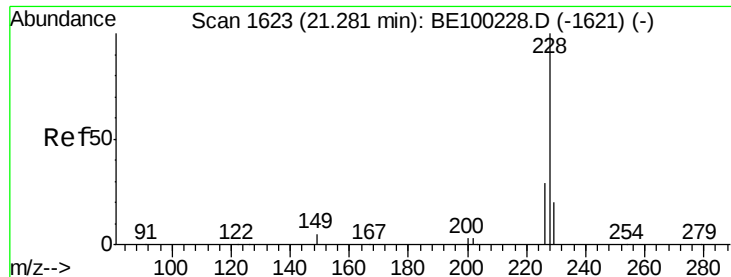
mohammad
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#30
 Benzo(a)anthracene
 Concen: 0.288 ng
 RT: 21.22 min Scan# 1618
 Delta R.T. -0.00 min
 Lab File: BE100388.D
 Acq: 5 Jul 2019 19:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.2	23.2	34.8
229	30.9	15.7	23.5





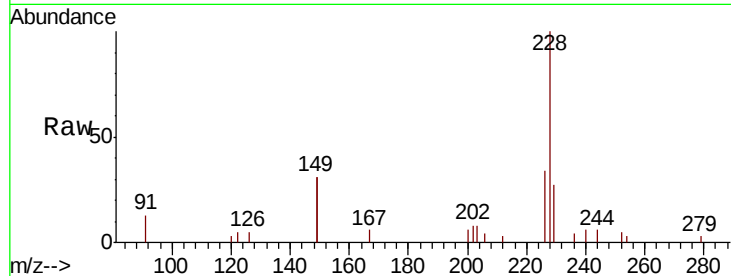
#31
 Chrysene
 Concen: 0.434 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BE100388.D
 Acq: 5 Jul 2019 19:10

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW142-062419

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.0	23.9	35.9
229	27.2	16.5	24.7

Manual Integrations
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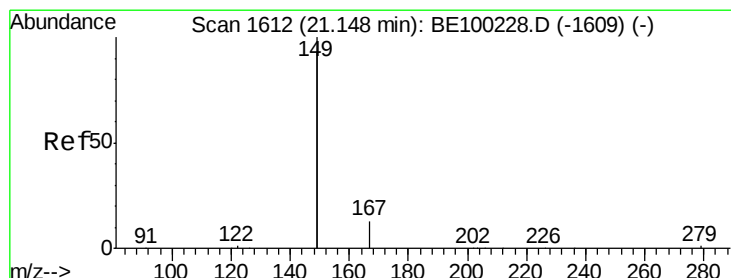
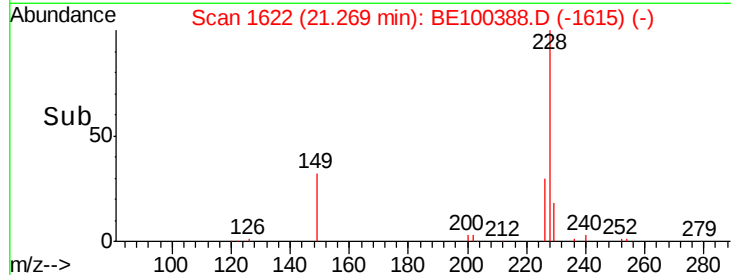
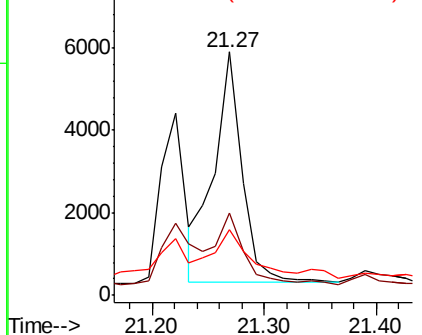


Abundance

Ion 228.00 (227.70 to 228.70): E

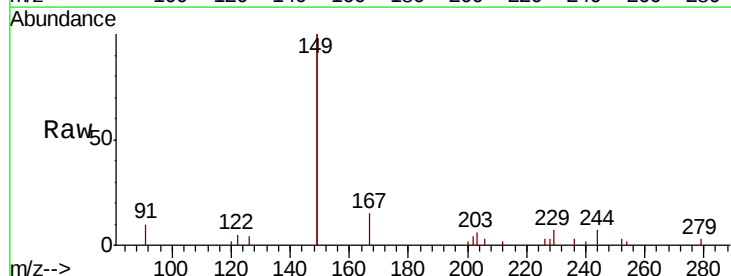
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.416 ng
 RT: 21.14 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BE100388.D
 Acq: 5 Jul 2019 19:10

Tgt Ion	Ratio	Lower	Upper
149	100		
167	8.5	5.8	8.8
279	1.5	1.1	1.7

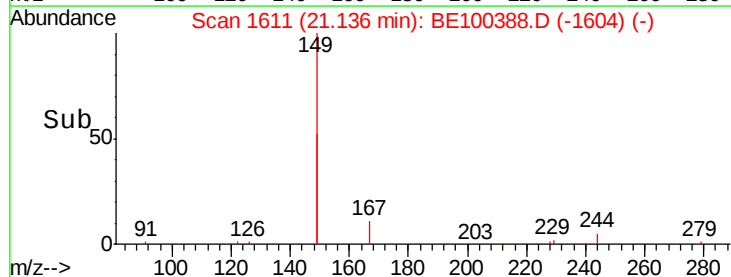
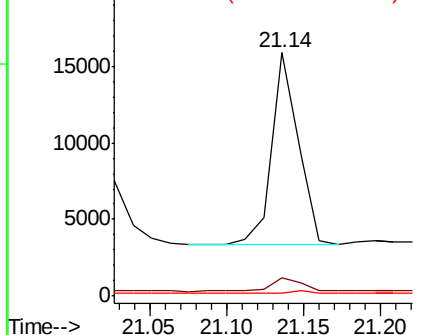


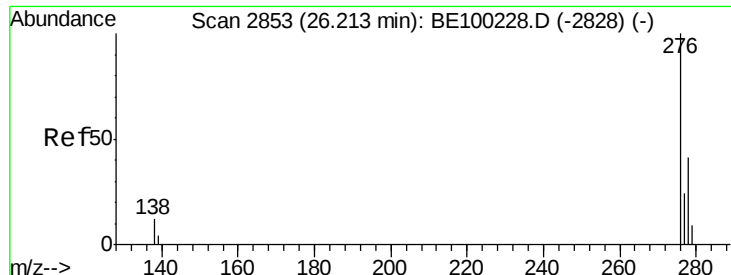
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





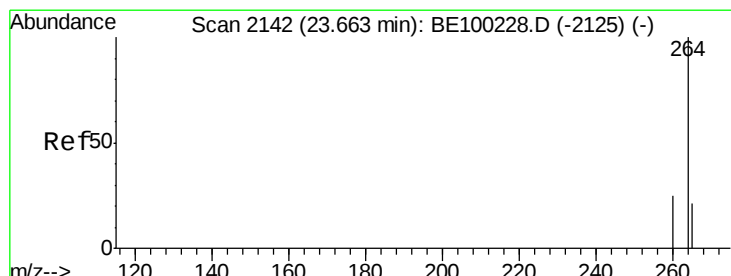
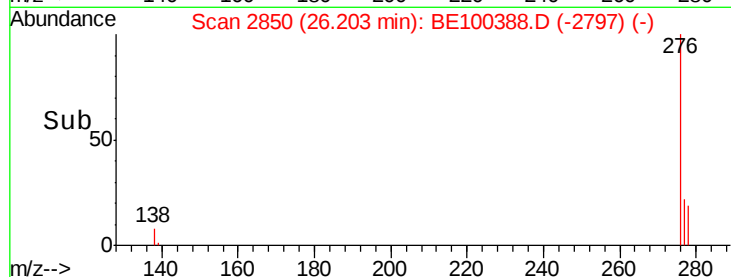
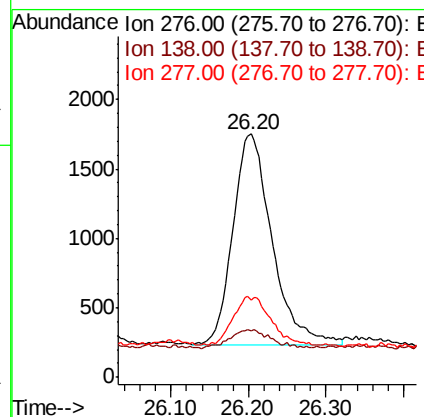
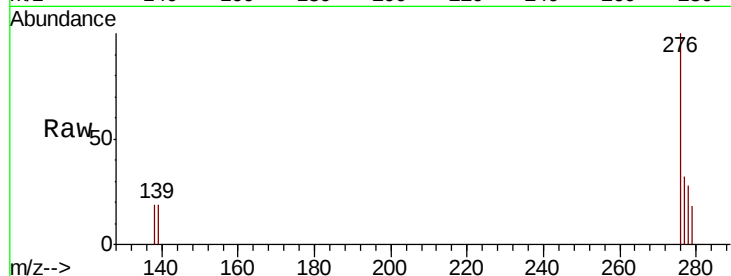
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.177 ng
RT: 26.20 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BE100388.D
Acq: 5 Jul 2019 19:10

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW142-062419

Tot Ion	Ratio	Lower	Upper
276	100		
138	8.7	9.4	14.0#
277	22.6	19.2	28.8

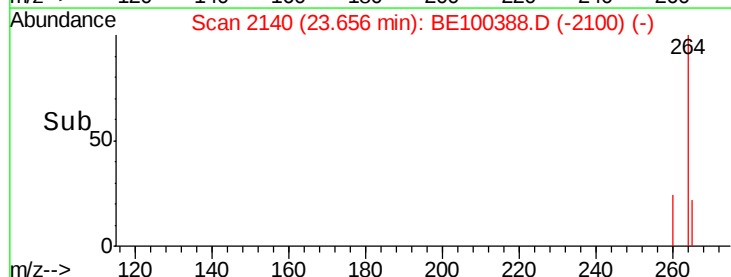
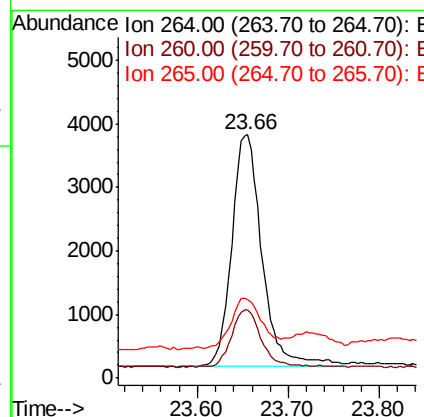
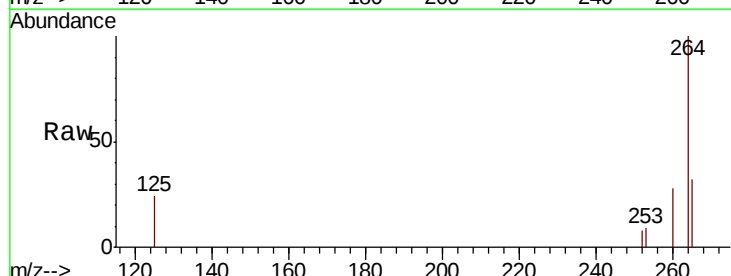
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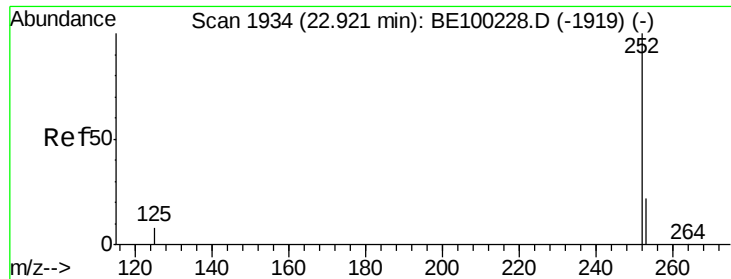
mohammad
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.66 min Scan# 2140
Delta R.T. -0.01 min
Lab File: BE100388.D
Acq: 5 Jul 2019 19:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	28.1	20.8	31.2
265	32.3	21.8	32.6





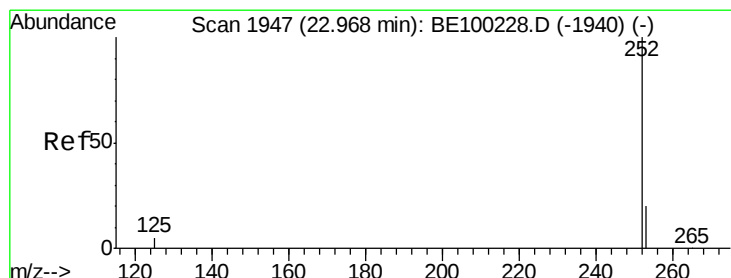
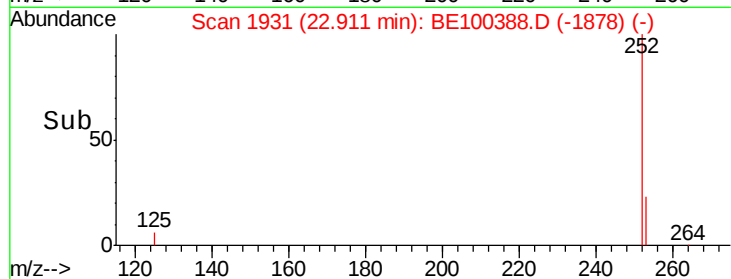
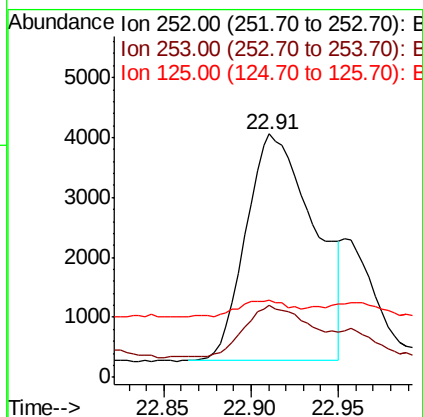
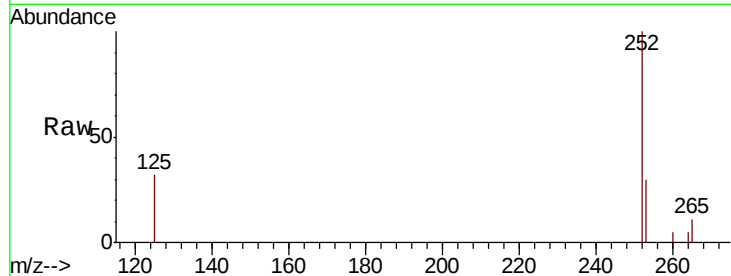
#35
Benzo(b)fluoranthene
Concen: 0.450 ng
RT: 22.91 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BE100388.D
Acq: 5 Jul 2019 19:10

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW142-062419

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.6	19.2	28.8#
125	31.6	7.4	11.0#

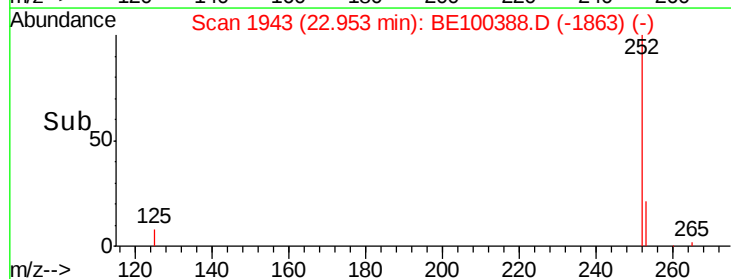
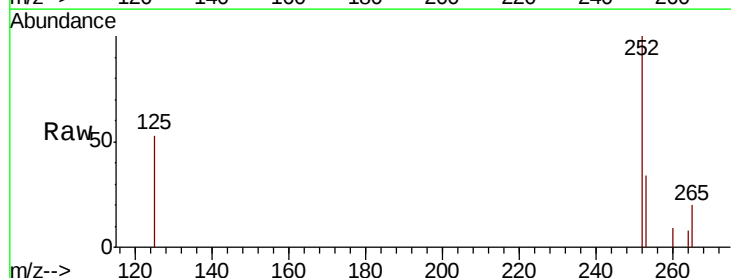
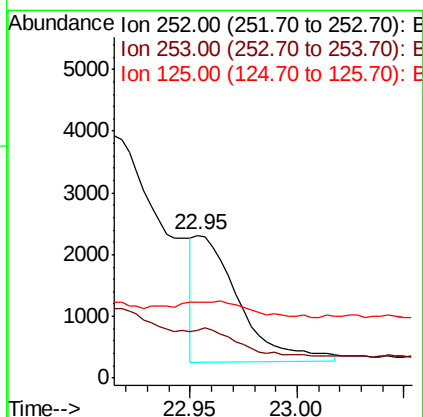
Manual Integrations
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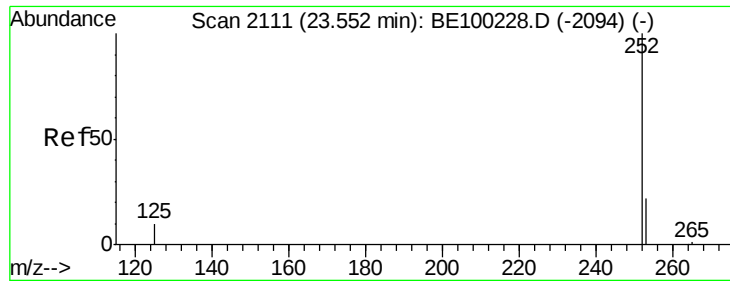
mohammad
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#36
Benzo(k)fluoranthene
Concen: 0.114 ng m
RT: 22.95 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BE100388.D
Acq: 5 Jul 2019 19:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.6	17.9	26.9#
125	53.0	5.0	7.4#





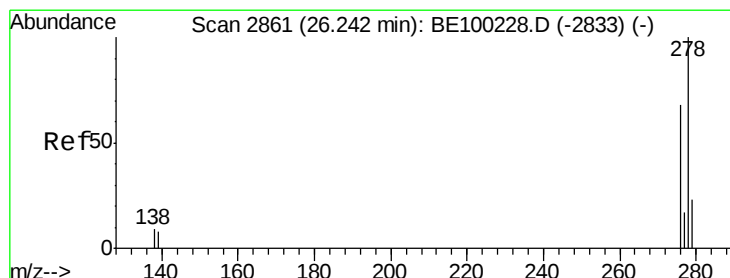
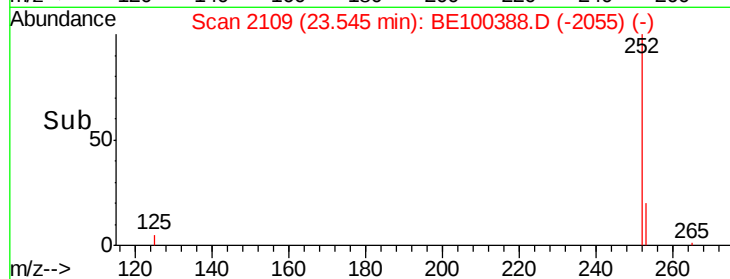
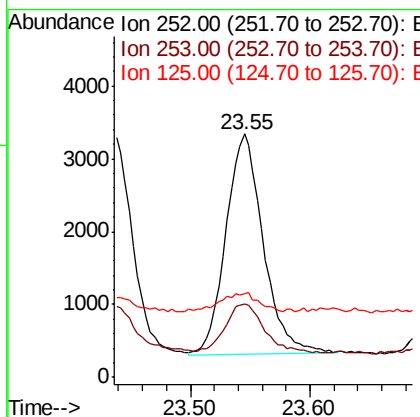
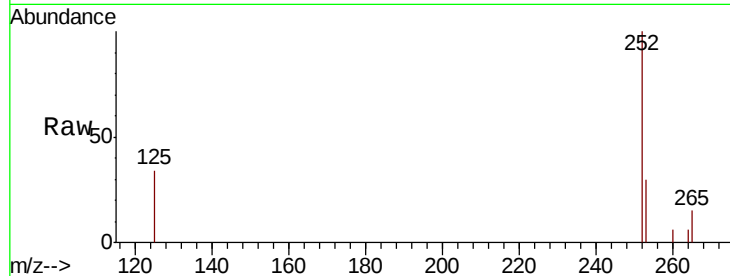
#37
Benzo(a)pyrene
Concen: 0.285 ng
RT: 23.55 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BE100388.D
Acq: 5 Jul 2019 19:10

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW142-062419

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.3	19.6	29.4#
125	34.4	9.0	13.6#

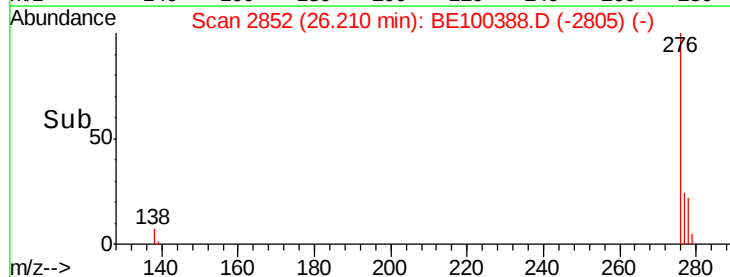
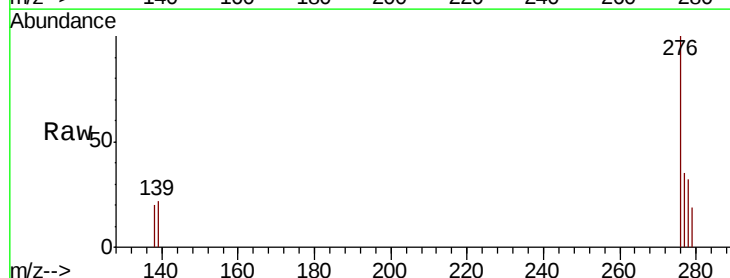
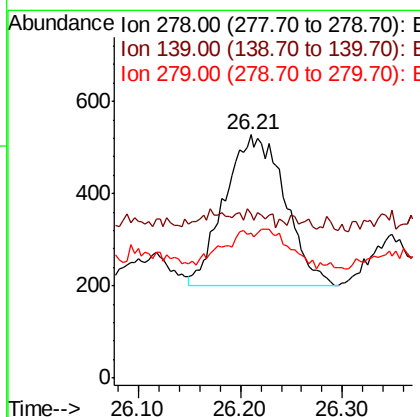
Manual Integrations
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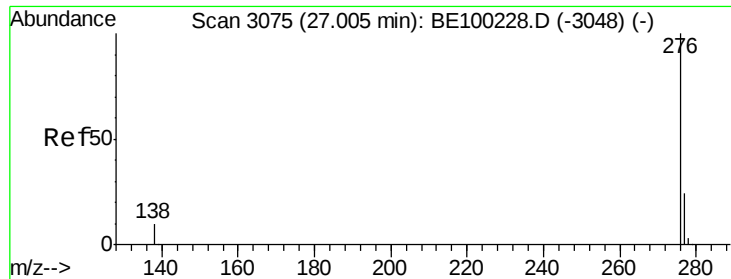
mohammad
7/8/2019 2:14:03 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.056 ng
RT: 26.21 min Scan# 2852
Delta R.T. -0.03 min
Lab File: BE100388.D
Acq: 5 Jul 2019 19:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	67.6	8.2	12.2#
279	59.5	20.3	30.5#





#39
 Benzo(a,h,i)perylene
 Concen: 0.255 ng
 RT: 26.99 min Scan# 3072
 Delta R.T. -0.01 min
 Lab File: BE100388.D
 Acq: 5 Jul 2019 19:10

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW142-062419

Tot Ion	Ratio	Lower	Upper
276	100		
277	32.4	20.2	30.2#
138	19.4	9.0	13.6#

Manual Integrations
 APPROVED

mohammad
 7/8/2019 2:14:03 PM

