

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
 Data File : BE100378.D
 Acq On : 5 Jul 2019 13:09
 Operator : JU/SJ
 Sample : K3560-14
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW133-062419

Manual Integrations
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mohammad
 7/8/2019 2:13:35 PM

Quant Time: Jul 08 05:45:19 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	630	0.40	ng	-0.02
7) Naphthalene-d8	10.42	136	1964	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	1670	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	5236	0.40	ng	-0.01
27) Chrysene-d12	21.23	240	8783	0.40	ng	-0.01
34) Perylene-d12	23.65	264	8816	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.20	112	625	0.39	ng	-0.01
5) Phenol-d6	6.81	99	767	0.36	ng	-0.02
8) Nitrobenzene-d5	8.80	82	711m	0.36	ng	-0.03
11) 2-Methylnaphthalene-d10	12.02	152	1370	0.37	ng	-0.03
14) 2,4,6-Tribromophenol	15.79	330	588	0.50	ng	-0.03
15) 2-Fluorobiphenyl	12.92	172	2069	0.32	ng	-0.03
25) Fluoranthene-d10	19.08	212	22633	0.30	ng	-0.02
29) Terphenyl-d14	19.68	244	4633	0.25	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.47	128	2133	0.098	ng	# 92
12) 2-Methylnaphthalene	12.09	142	462	0.122	ng	# 87
16) Acenaphthylene	14.03	152	3160	0.394	ng	97
17) Acenaphthene	14.36	154	407	0.090	ng	92
18) Fluorene	15.34	166	1450	0.216	ng	# 85
23) Phenanthrene	17.08	178	39905	3.144	ng	99
24) Anthracene	17.17	178	1916	0.168	ng	98
26) Fluoranthene	19.11	202	53971	2.670	ng	98
28) Pyrene	19.47	202	87684	3.771	ng	97
30) Benzo(a)anthracene	21.22	228	37855m	1.311	ng	
31) Chrysene	21.27	228	54468	1.878	ng	97
32) Bis(2-ethylhexyl)phthalate	21.14	149	11135	0.215	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.20	276	19657	0.513	ng	# 97
35) Benzo(b)fluoranthene	22.91	252	37970	1.589	ng	# 97
36) Benzo(k)fluoranthene	22.95	252	13469m	0.505	ng	
37) Benzo(a)pyrene	23.54	252	31260	1.305	ng	# 96
38) Dibenzo(a,h)anthracene	26.21	278	5479	0.219	ng	# 73
39) Benzo(a,h,i)perylene	26.99	276	24238	0.943	ng	99

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

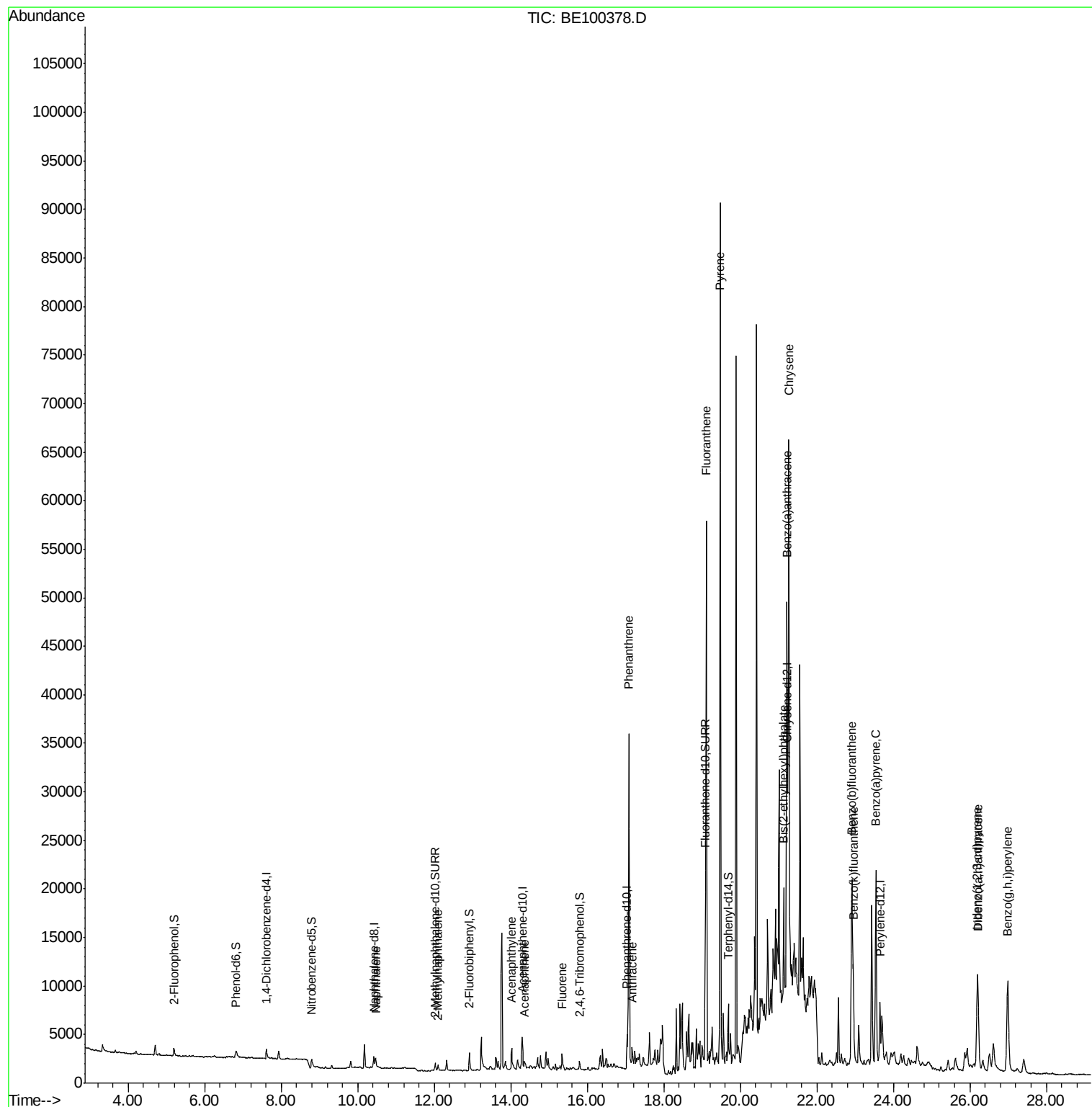
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
Data File : BE100378.D
Acq On : 5 Jul 2019 13:09
Operator : JU/SJ
Sample : K3560-14
Misc :
ALS Vial : 5 Sample Multiplier: 1

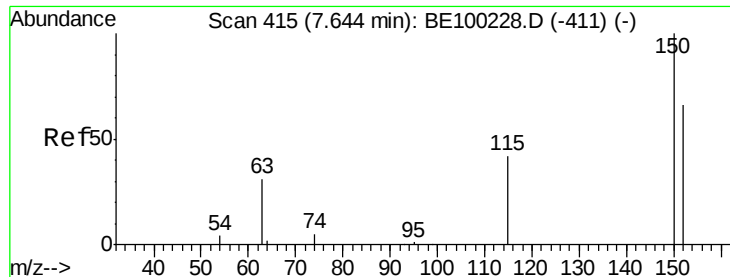
Instrument :
BNA_E
ClientSampleId :
EXT-009-SW133-062419

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Quant Time: Jul 08 05:45:19 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
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#1

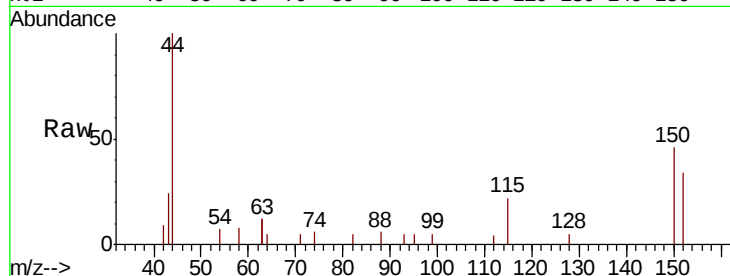
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 413
Delta R.T. -0.02 min
Lab File: BE100378.D
Acq: 5 Jul 2019 13:09

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW133-062419

Tot Ion	Ratio	Lower	Upper
152	100		
150	136.1	114.5	171.7
115	66.6	57.1	85.7

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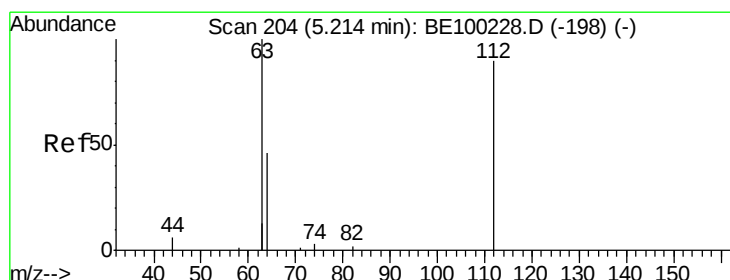
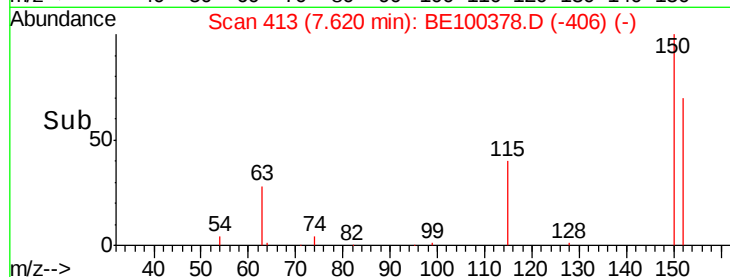
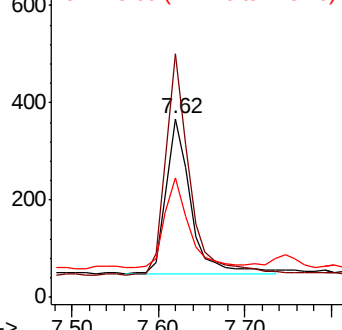


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

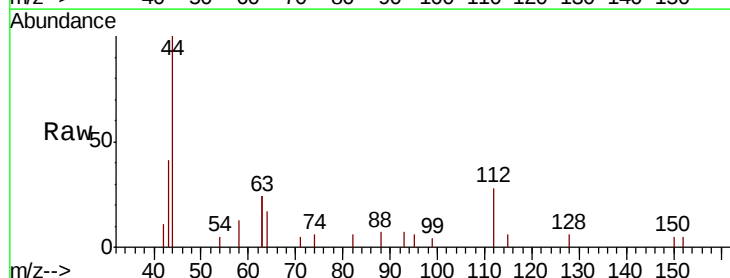
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.389 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100378.D
Acq: 5 Jul 2019 13:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	39.4	59.0#
63	139.4	104.5	156.7

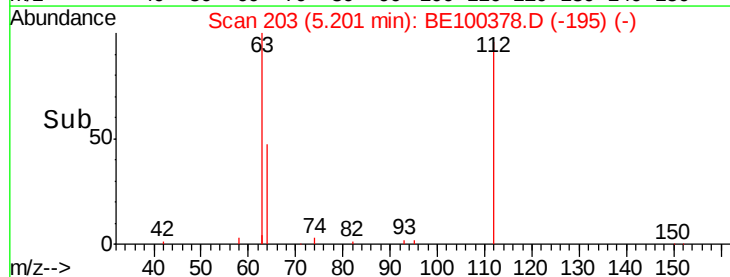
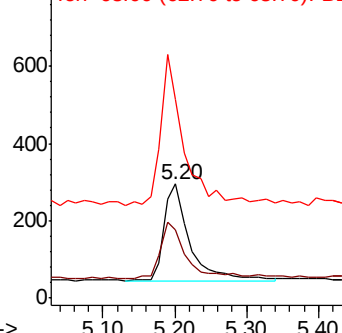


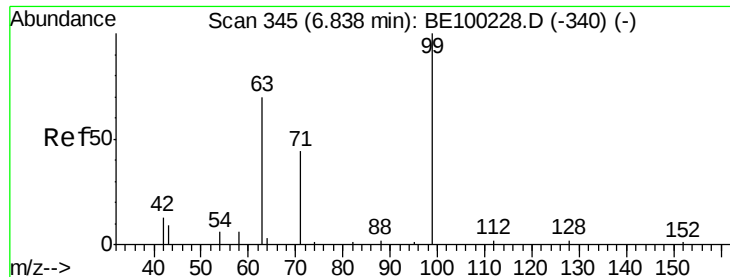
Abundance

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: 0.363 ng

RT: 6.81 min Scan# 343

Delta R.T. -0.02 min

Lab File: BE100378.D

Acq: 5 Jul 2019 13:09

Instrument :

BNA_E

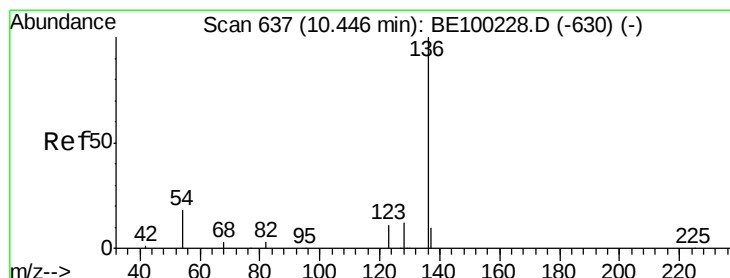
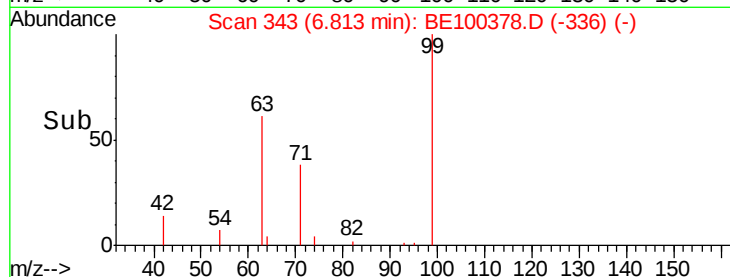
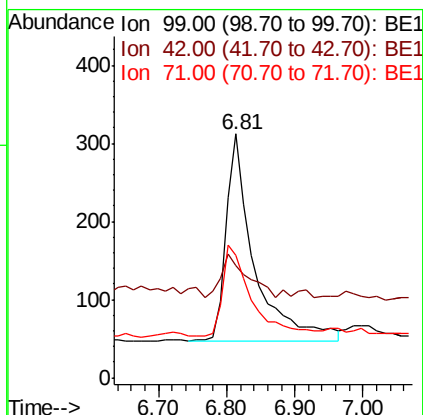
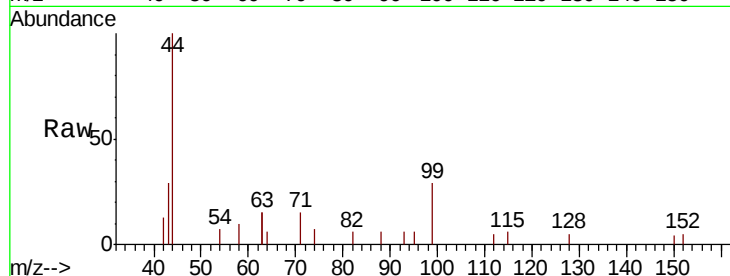
ClientSampleId :

EXT-009-SW133-062419

Tot Ion:	99	Resp:	767
Ion	Ratio	Lower	Upper
99	100		
42	19.0	11.2	16.8#
71	45.4	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

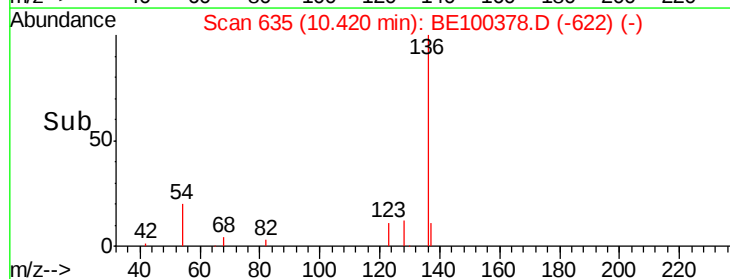
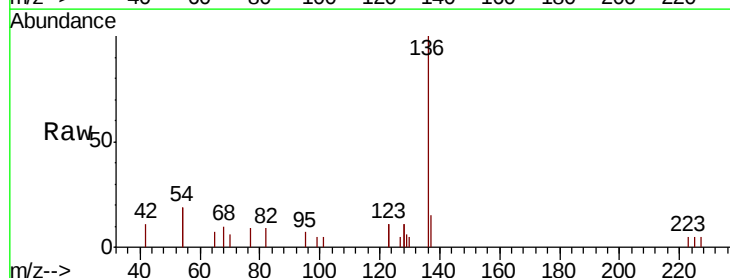
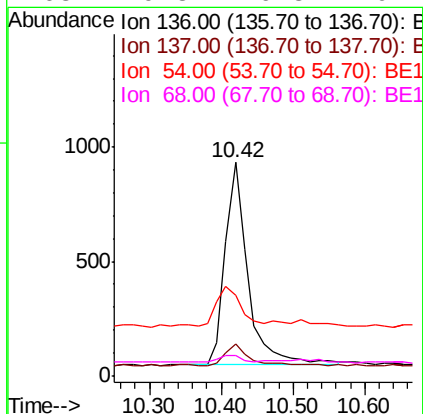
RT: 10.42 min Scan# 635

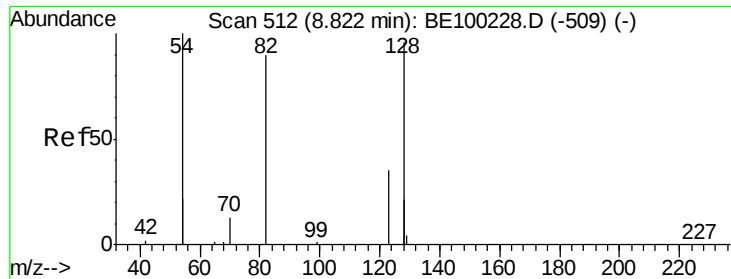
Delta R.T. -0.03 min

Lab File: BE100378.D

Acq: 5 Jul 2019 13:09

Tgt Ion:	136	Resp:	1964
Ion	Ratio	Lower	Upper
136	100		
137	15.2	11.8	17.8
54	37.5	27.7	41.5
68	9.8	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.364 ng/mL

RT: 8.80 min Scan# 510

Delta R.T. -0.03 min

Lab File: BE100378.D

Acq: 5 Jul 2019 13:09

Instrument :

BNA_E

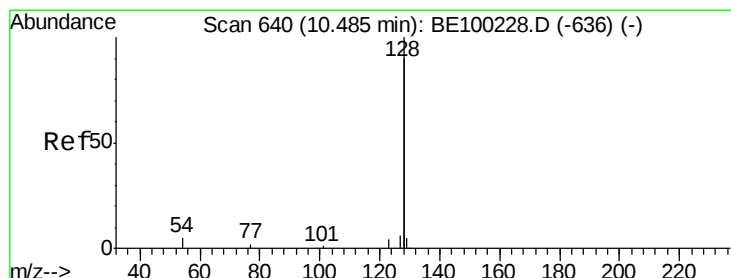
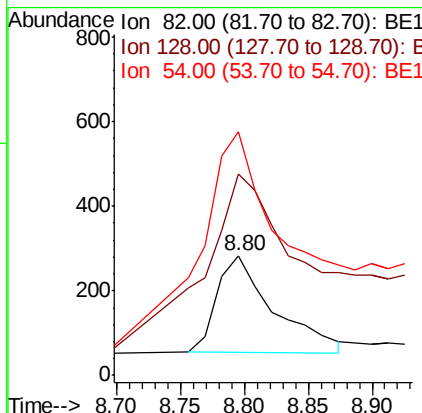
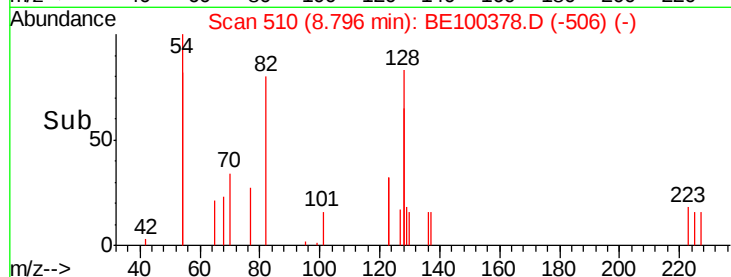
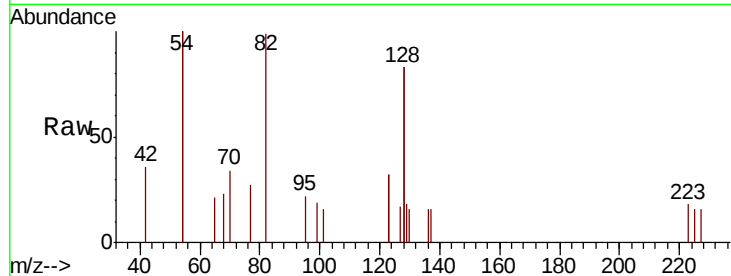
ClientSampleId :

EXT-009-SW133-062419

Tot Ion:	82	Resp:	711
Ion Ratio	Lower	Upper	
82	100		
128	83.8	140.9	211.3#
54	101.4	146.2	219.2#

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#9

Naphthalene

Concen: 0.098 ng/mL

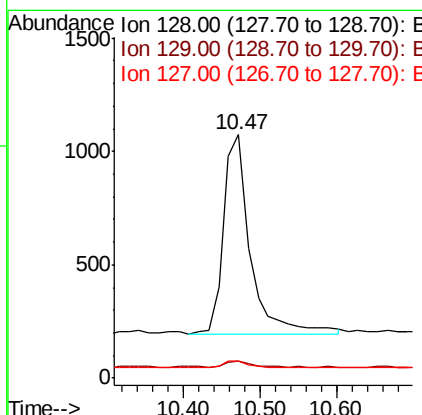
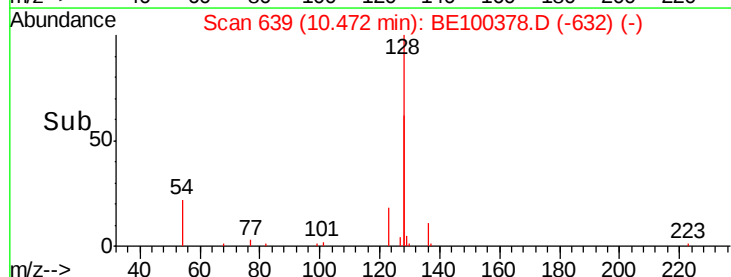
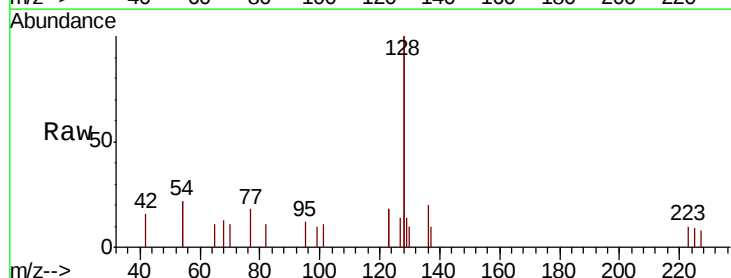
RT: 10.47 min Scan# 639

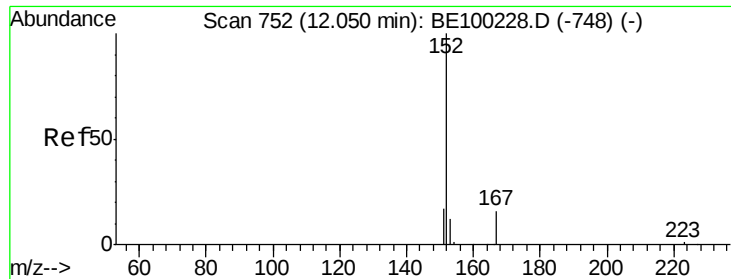
Delta R.T. -0.01 min

Lab File: BE100378.D

Acq: 5 Jul 2019 13:09

Tgt Ion:	128	Resp:	2133
Ion Ratio	Lower	Upper	
128	100		
129	7.0	3.0	4.6#
127	6.8	3.5	5.3#





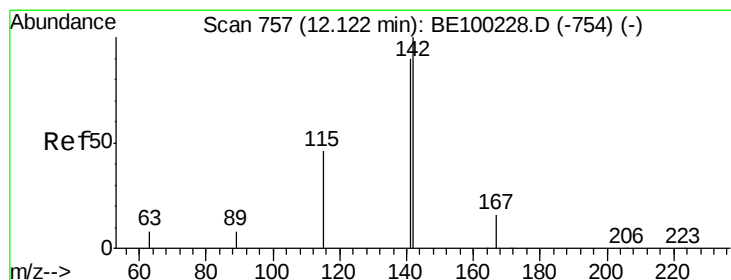
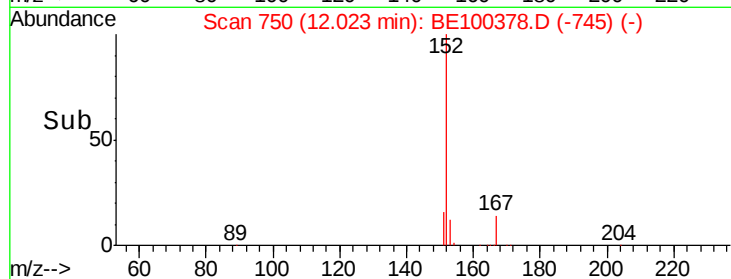
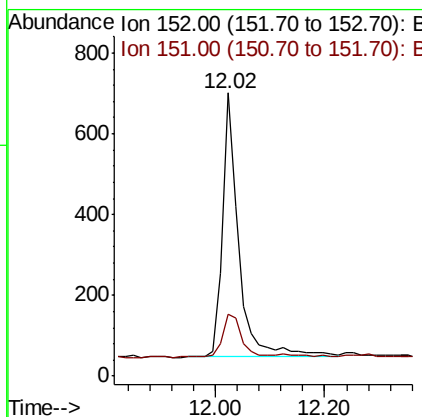
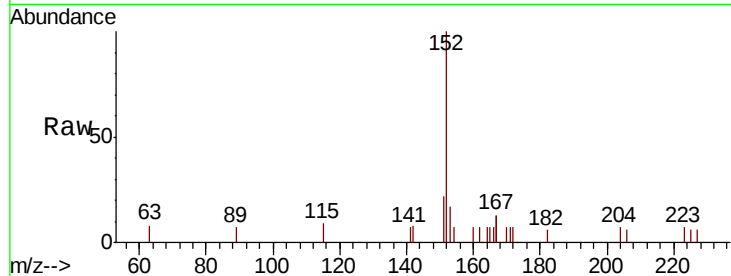
#11
2-Methylnaphthalene-d10
Concen: 0.371 ng
RT: 12.02 min Scan# 750
Delta R.T. -0.03 min
Lab File: BE100378.D
Acq: 5 Jul 2019 13:09

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW133-062419

Tot Ion:152 Resp: 1370
Ion Ratio Lower Upper
152 100
151 18.5 15.1 22.7

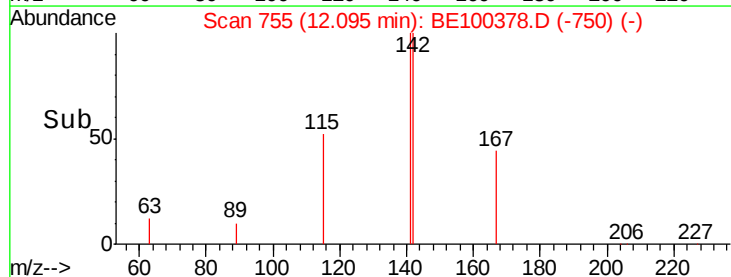
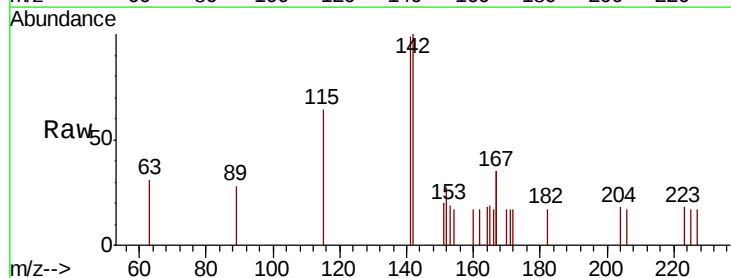
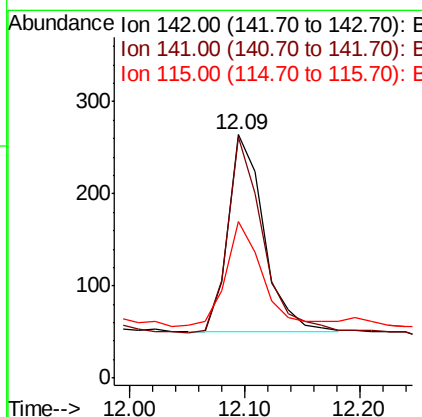
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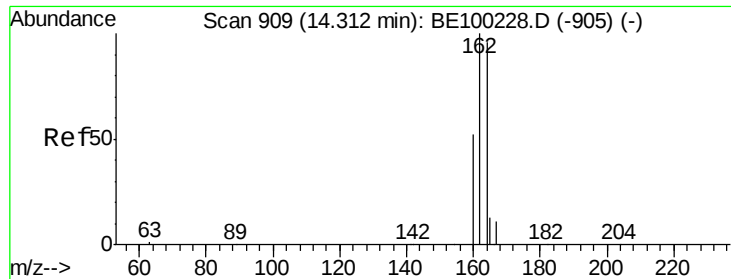
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#12
2-Methylnaphthalene
Concen: 0.122 ng
RT: 12.09 min Scan# 755
Delta R.T. -0.03 min
Lab File: BE100378.D
Acq: 5 Jul 2019 13:09

Tgt Ion:142 Resp: 462
Ion Ratio Lower Upper
142 100
141 98.9 72.4 108.6
115 64.4 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: BE100378.D

Acq: 5 Jul 2019 13:09

Instrument :

BNA_E

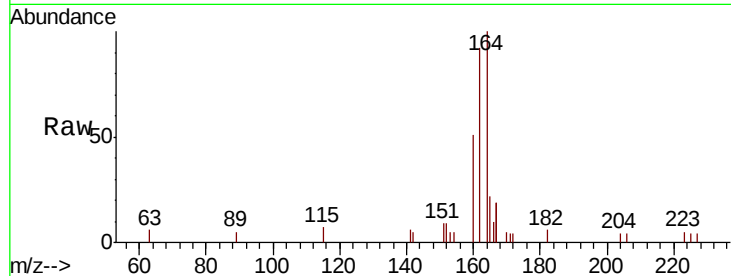
ClientSampleId :

EXT-009-SW133-062419

Tot Ion:	164	Resp:	1670
Ion	Ratio	Lower	Upper
164	100		
162	92.3	83.4	125.0
160	50.7	45.0	67.6

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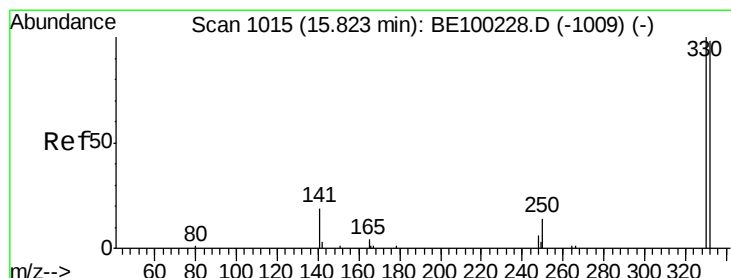
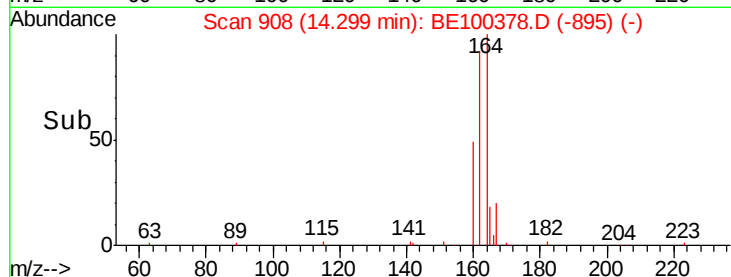
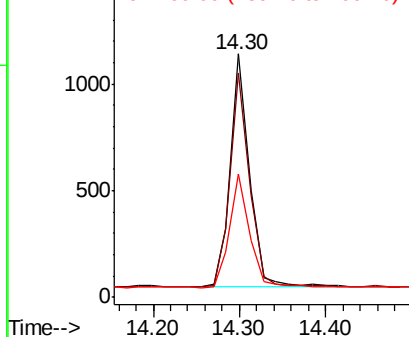


Abundance

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: 0.503 ng

RT: 15.79 min Scan# 1013

Delta R.T. -0.03 min

Lab File: BE100378.D

Acq: 5 Jul 2019 13:09

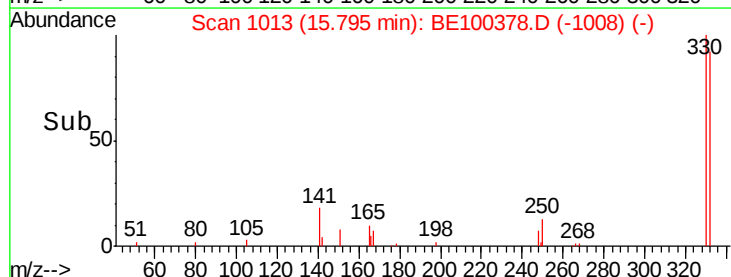
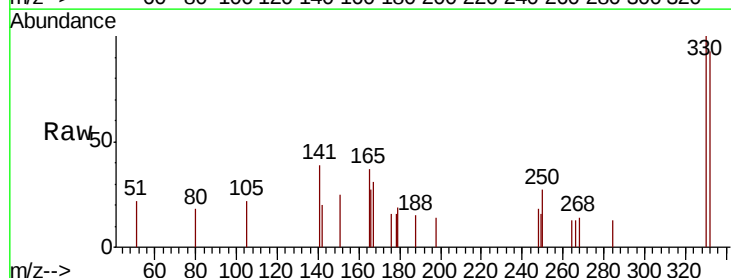
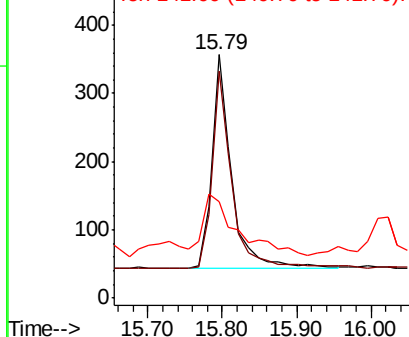
Tgt Ion:	330	Resp:	588
Ion	Ratio	Lower	Upper
330	100		
332	94.0	77.0	115.4
141	47.3	22.0	33.0#

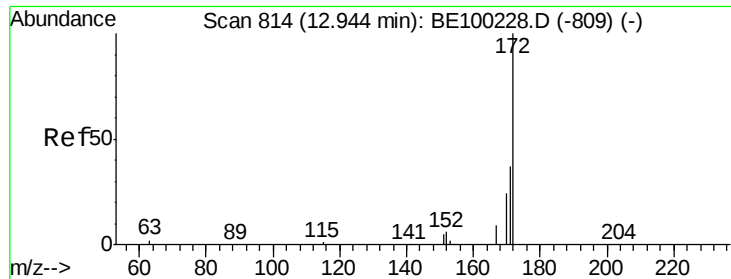
Abundance

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





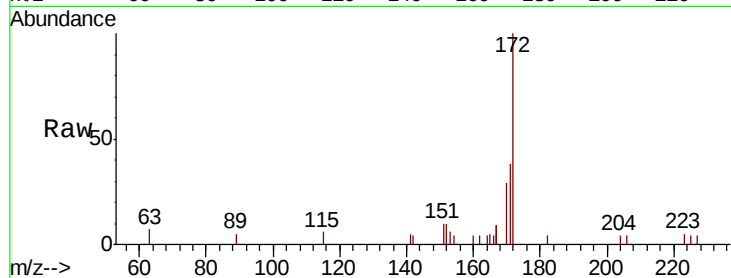
#15
2-Fluorobiphenyl
Concen: 0.318 ng
RT: 12.92 min Scan# 812
Delta R.T. -0.03 min
Lab File: BE100378.D
Acq: 5 Jul 2019 13:09

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW133-062419

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.9	47.9
170	29.3	22.2	33.2

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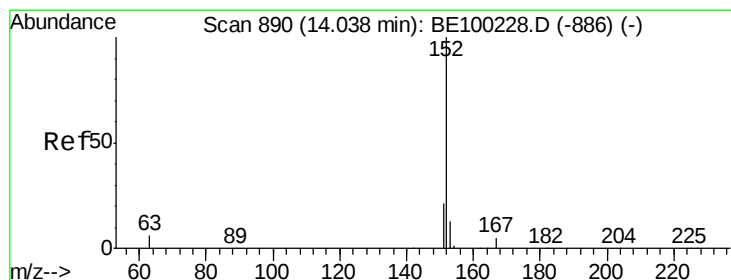
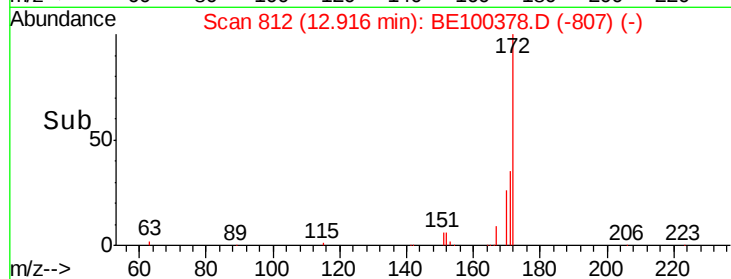
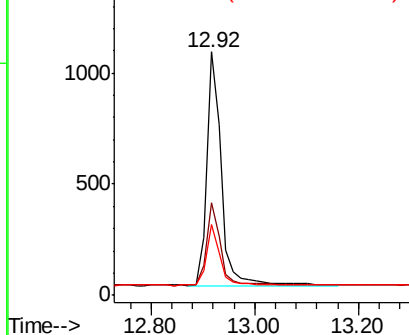


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.394 ng
RT: 14.03 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100378.D
Acq: 5 Jul 2019 13:09

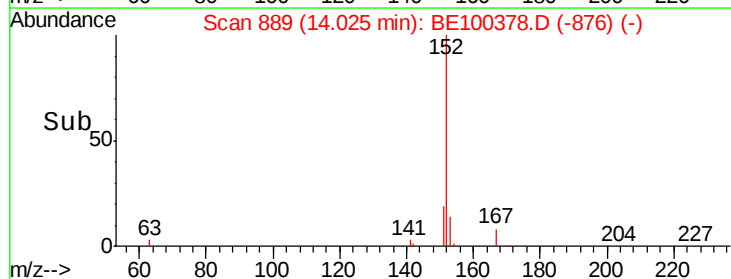
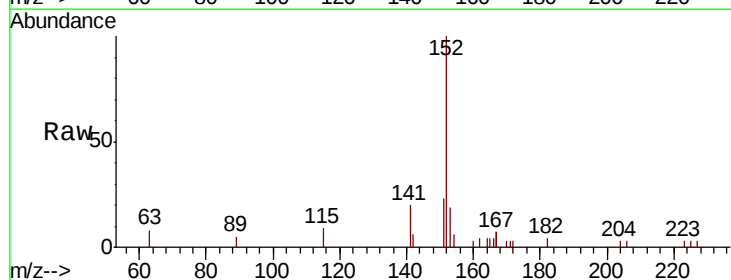
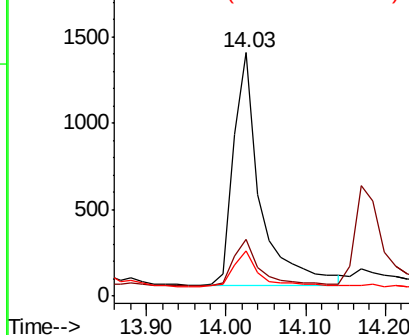
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.6	25.0
153	15.2	10.5	15.7

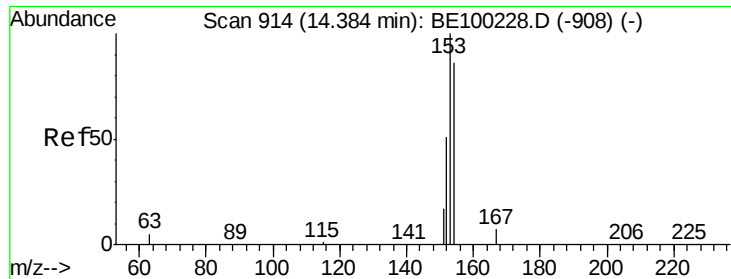
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





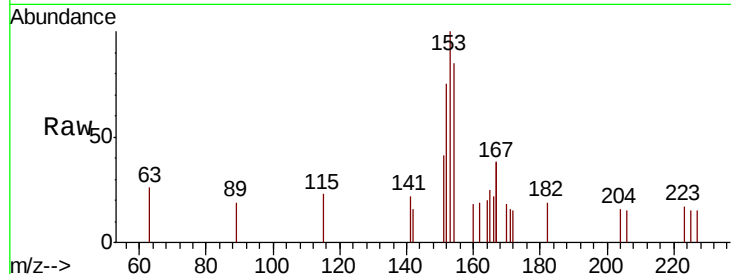
#17
Acenaphthene
Concen: 0.090 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.03 min
Lab File: BE100378.D
Acq: 5 Jul 2019 13:09

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW133-062419

Tot Ion	Ratio	Lower	Upper
154	100		
153	122.9	93.4	140.2
152	71.3	49.4	74.2

Manual Integrations
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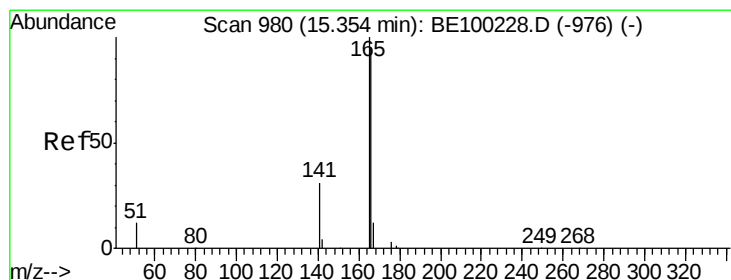
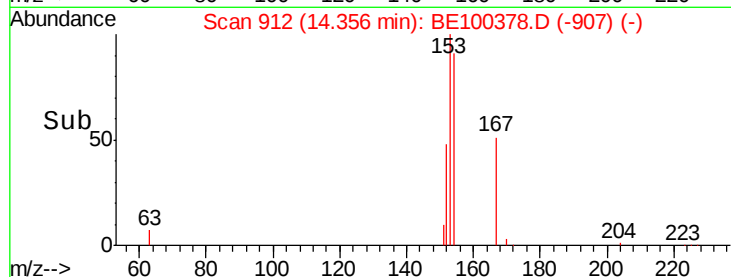
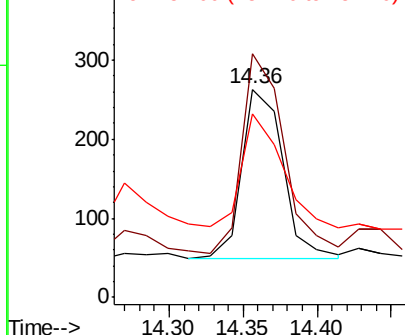


Abundance

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: 0.216 ng
RT: 15.34 min Scan# 979
Delta R.T. -0.01 min
Lab File: BE100378.D
Acq: 5 Jul 2019 13:09

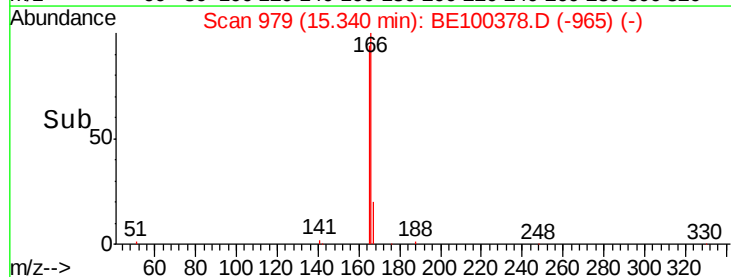
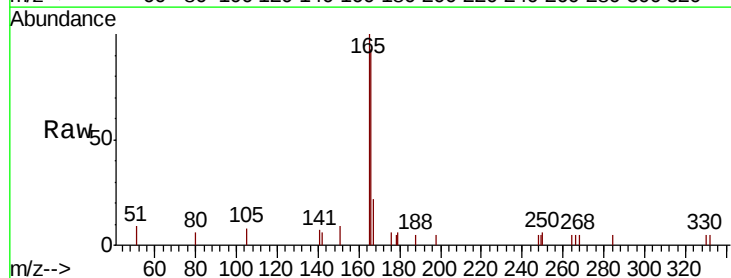
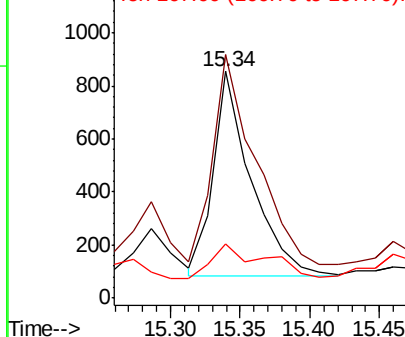
Tgt Ion	Ratio	Lower	Upper
166	100		
165	114.6	81.1	121.7
167	23.8	10.7	16.1#

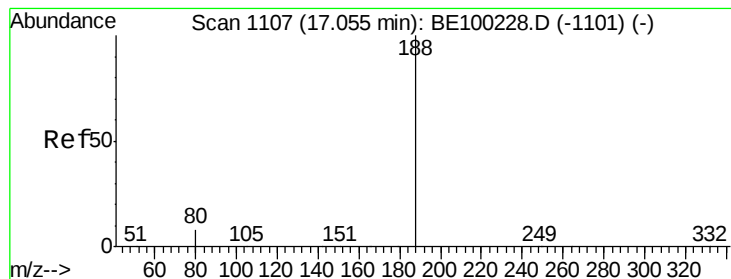
Abundance

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: 17.04 min Scan# 1106

Delta R.T. -0.01 min

Lab File: BE100378.D

Acq: 5 Jul 2019 13:09

Instrument :

BNA_E

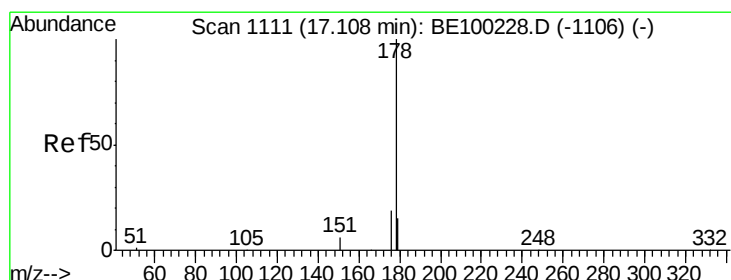
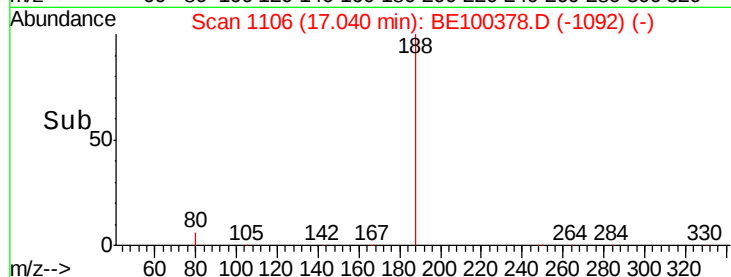
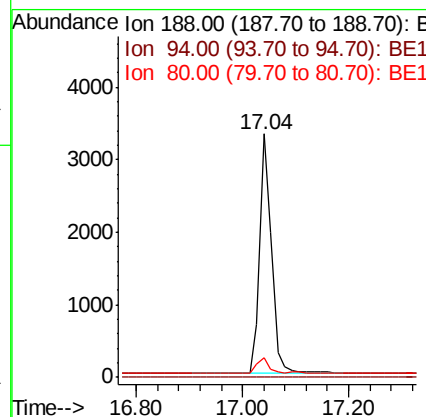
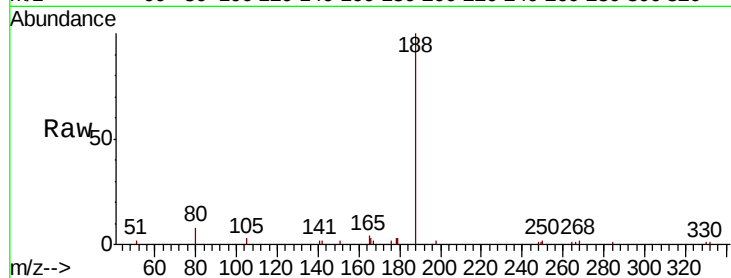
ClientSampleId :

EXT-009-SW133-062419

Tot Ion:	188	Resp:	5236
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	7.9	7.6	11.4

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#23

Phenanthrene

Concen: 3.144 ng

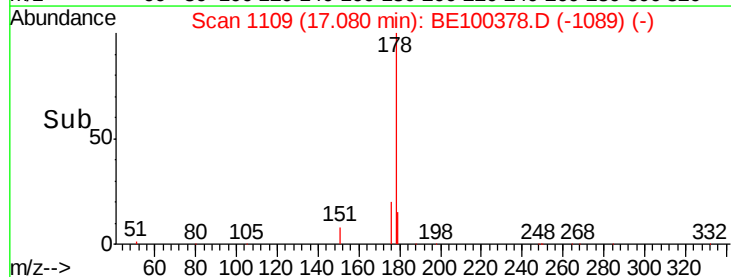
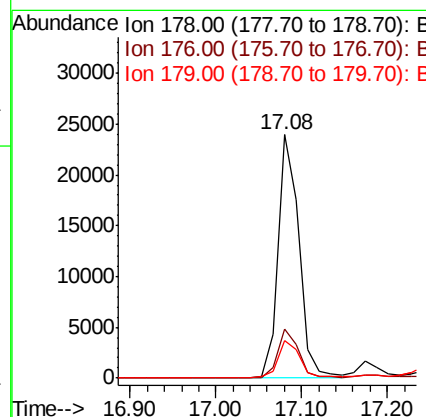
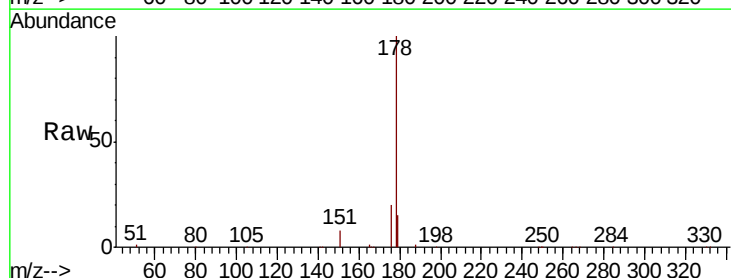
RT: 17.08 min Scan# 1109

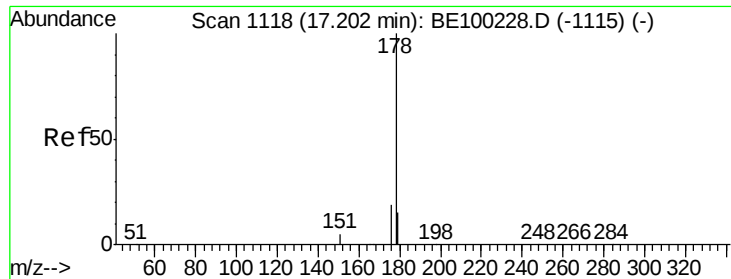
Delta R.T. -0.03 min

Lab File: BE100378.D

Acq: 5 Jul 2019 13:09

Tgt Ion:	178	Resp:	39905
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.9	23.9
179	15.5	12.2	18.2





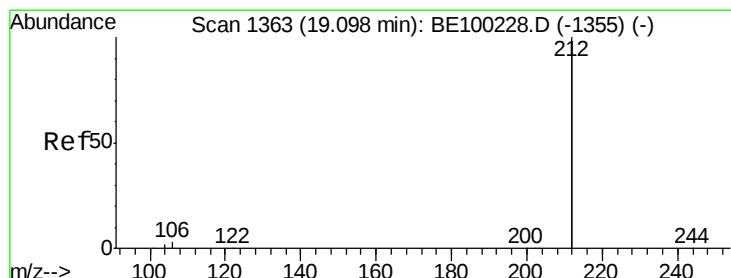
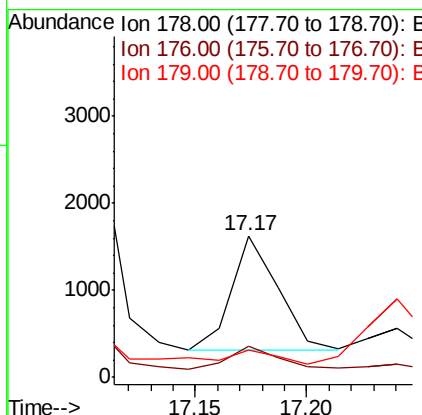
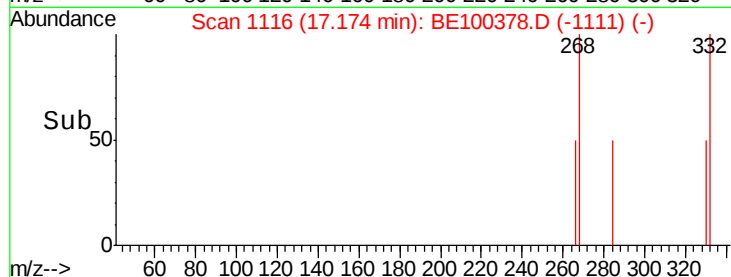
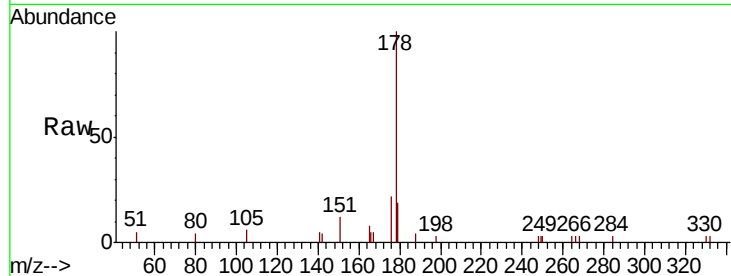
#24
 Anthracene
 Concen: 0.168 ng
 RT: 17.17 min Scan# 1116
 Delta R.T. -0.03 min
 Lab File: BE100378.D
 Acq: 5 Jul 2019 13:09

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW133-062419

Tot Ion:178	Resp:	1916
Ion Ratio	Lower	Upper
178	100	
176	20.2	15.3 22.9
179	14.6	12.2 18.2

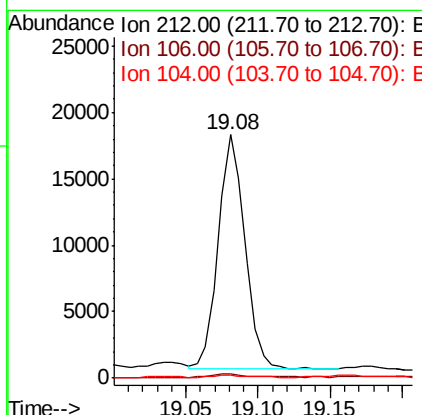
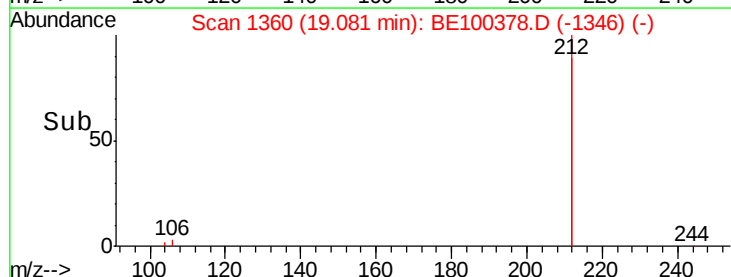
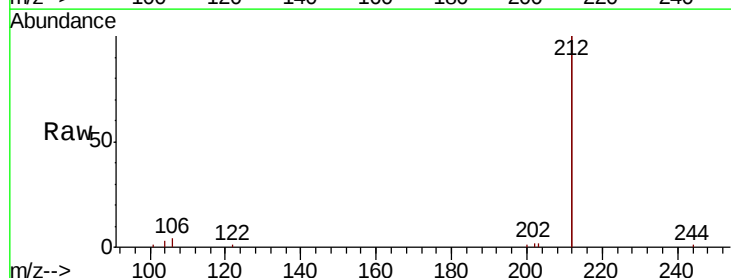
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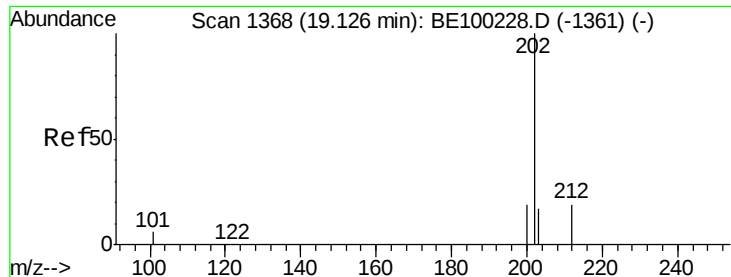
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.298 ng
 RT: 19.08 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: BE100378.D
 Acq: 5 Jul 2019 13:09

Tgt Ion:212	Resp:	22633
Ion Ratio	Lower	Upper
212	100	
106	1.6	1.3 1.9
104	0.9	0.8 1.2





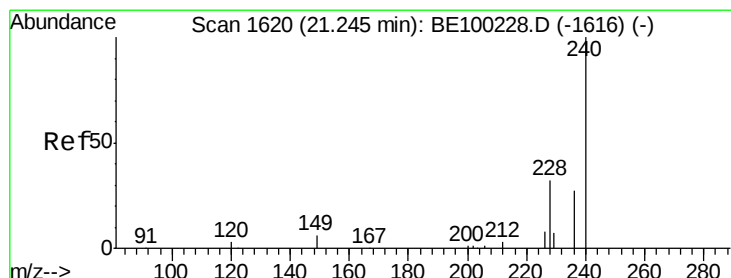
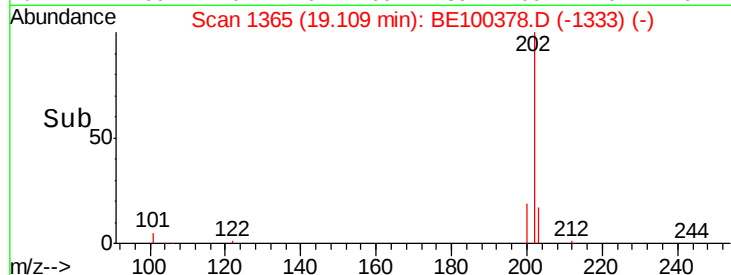
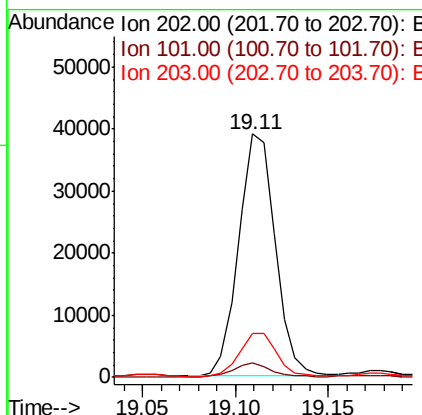
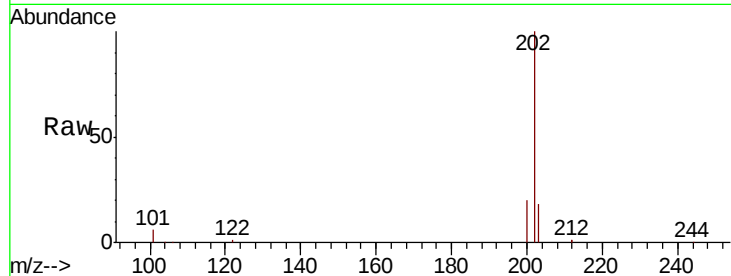
#26
 Fluoranthene
 Concen: 2.670 ng
 RT: 19.11 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: BE100378.D
 Acq: 5 Jul 2019 13:09

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW133-062419

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.5	4.6	7.0
203	18.1	13.7	20.5

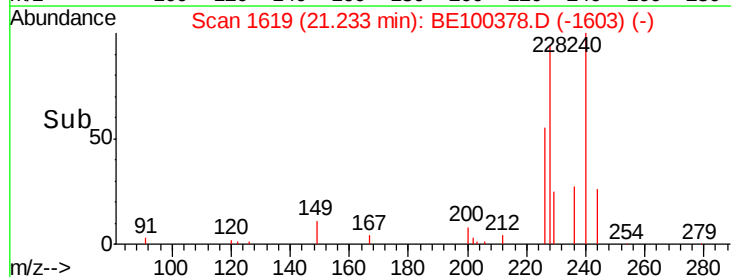
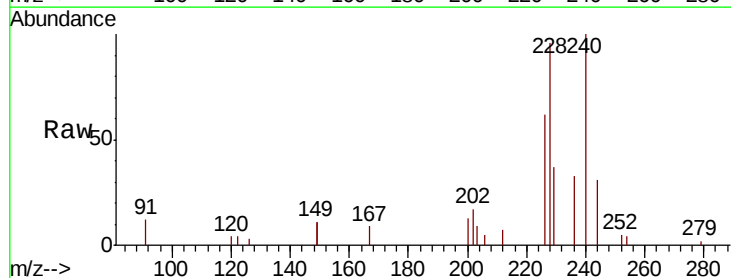
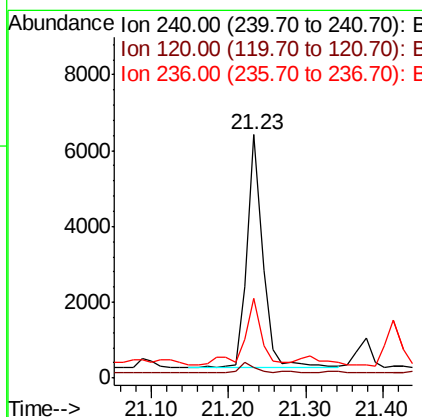
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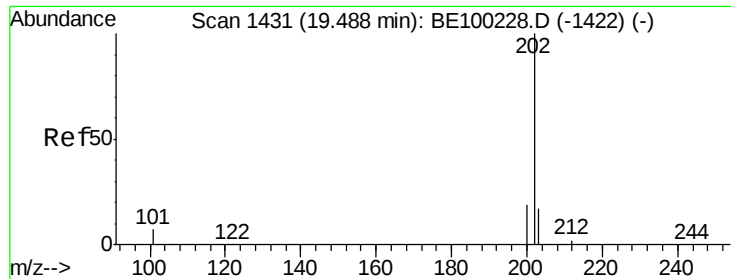
mohammad
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.23 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BE100378.D
 Acq: 5 Jul 2019 13:09

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.3	3.3	4.9
236	32.7	22.6	34.0





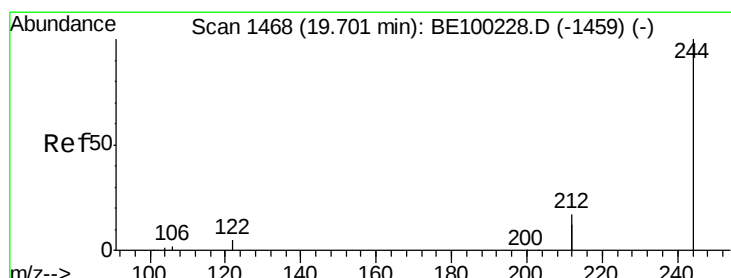
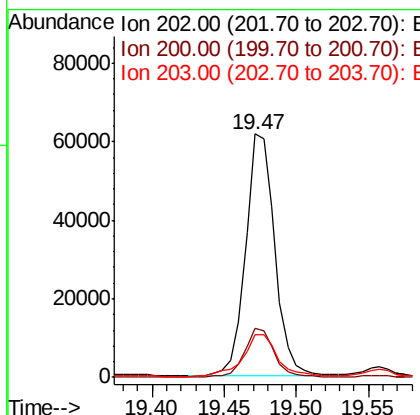
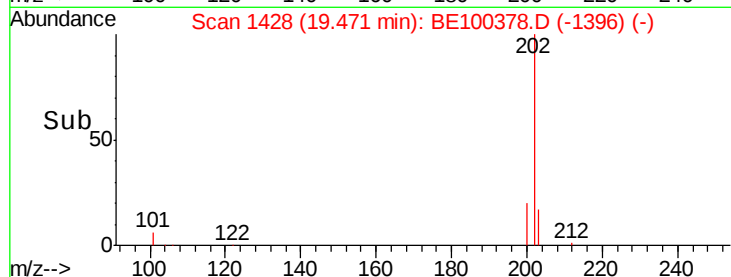
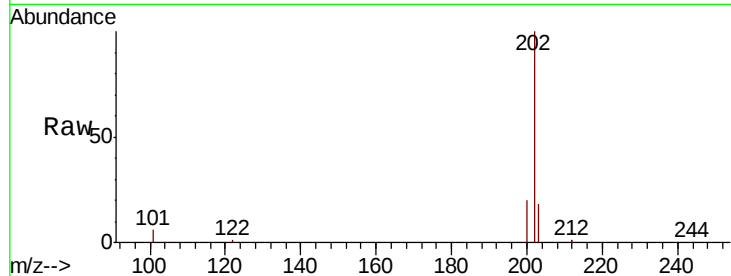
#28
Pvrene
Concen: 3.771 ng
RT: 19.47 min Scan# 1428
Delta R.T. -0.02 min
Lab File: BE100378.D
Acq: 5 Jul 2019 13:09

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW133-062419

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.6	23.4
203	20.4	14.0	21.0

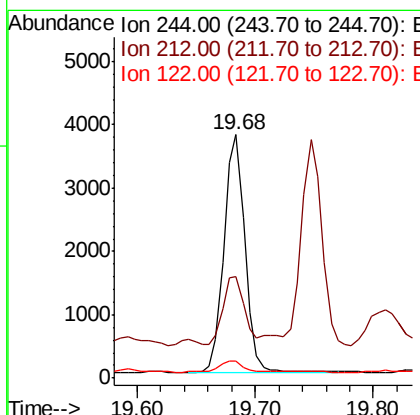
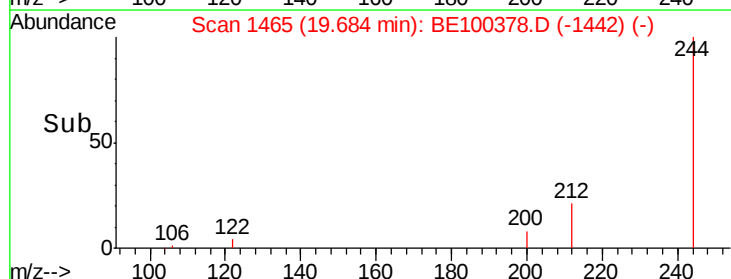
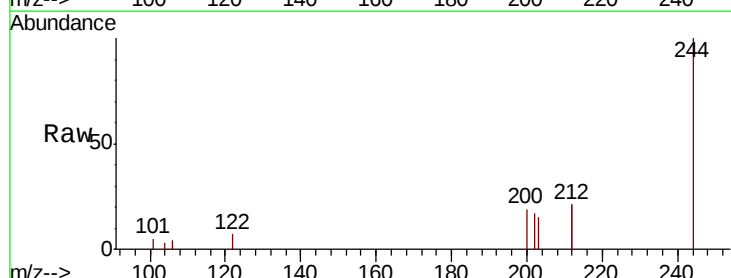
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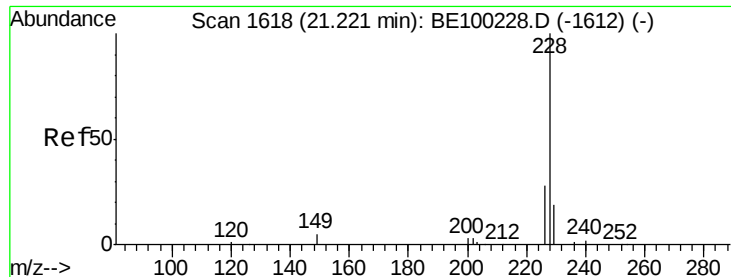
mohammad
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#29
Terphenyl-d14
Concen: 0.255 ng
RT: 19.68 min Scan# 1465
Delta R.T. -0.02 min
Lab File: BE100378.D
Acq: 5 Jul 2019 13:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	42.0	27.3	40.9#
122	6.8	4.7	7.1





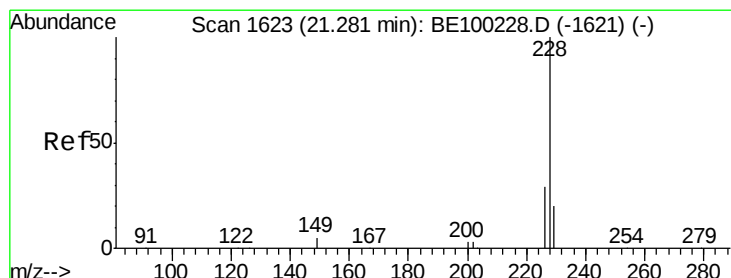
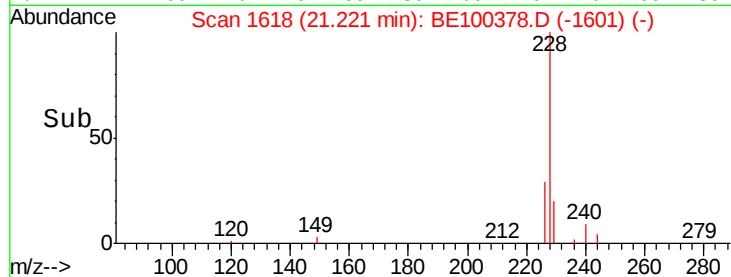
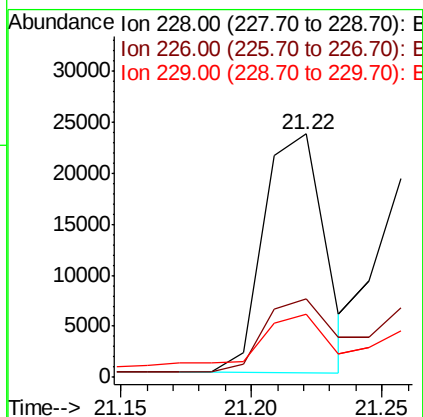
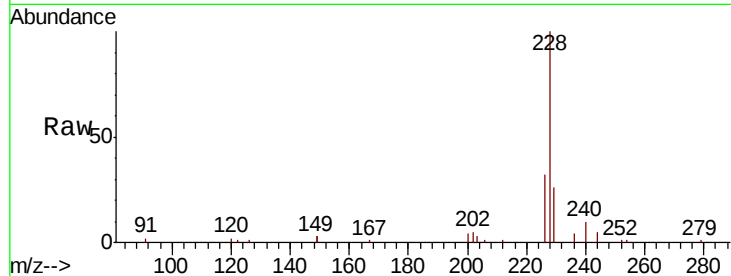
#30
Benzo(a)anthracene
Concen: 1.311 ng m
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100378.D
Acq: 5 Jul 2019 13:09

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW133-062419

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	23.2	34.8
229	25.7	15.7	23.5

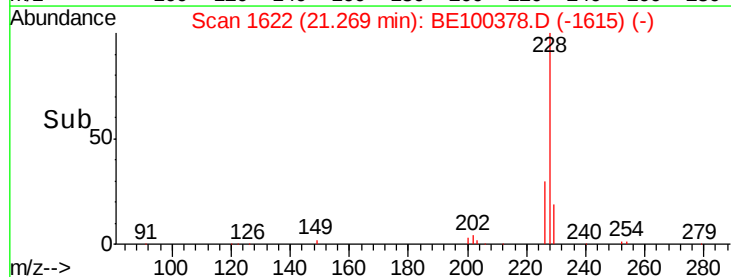
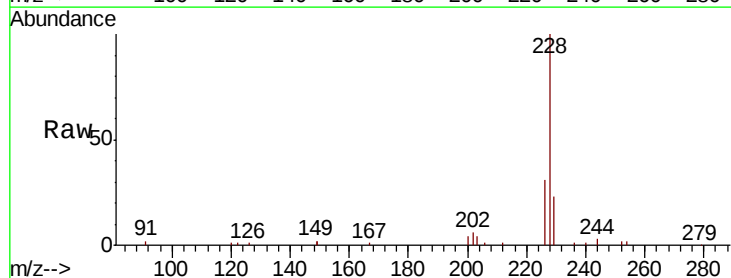
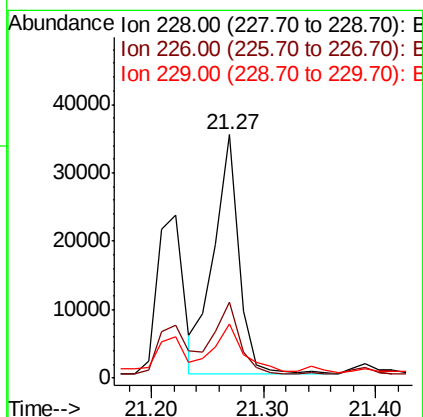
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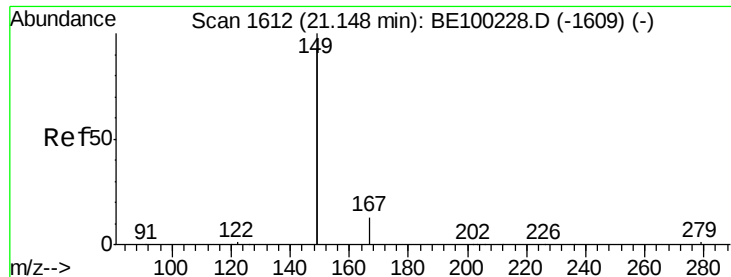
mohammad
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#31
Chrysene
Concen: 1.878 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100378.D
Acq: 5 Jul 2019 13:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.9	35.9
229	22.5	16.5	24.7





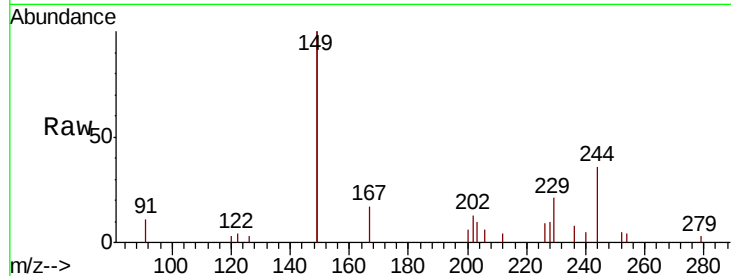
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.215 ng
 RT: 21.14 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BE100378.D
 Acq: 5 Jul 2019 13:09

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW133-062419

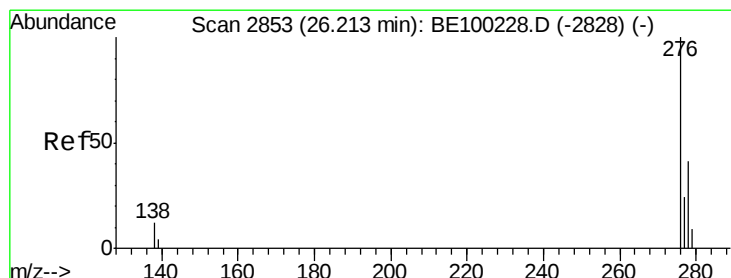
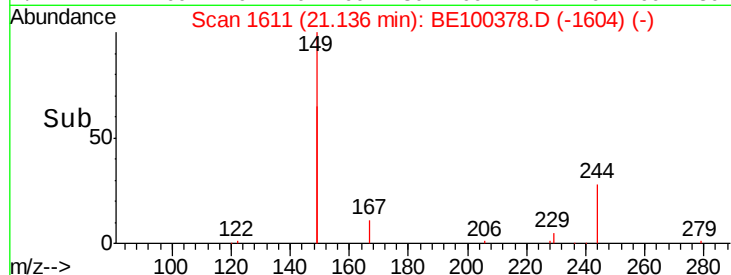
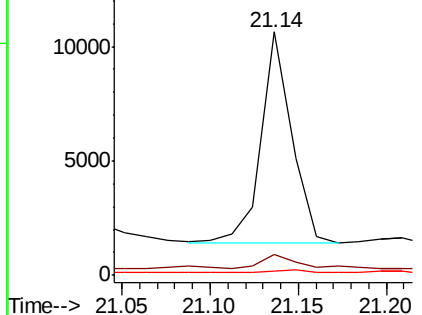
Tot Ion	Ratio	Lower	Upper
149	100		
167	8.4	5.8	8.8
279	2.2	1.1	1.7#

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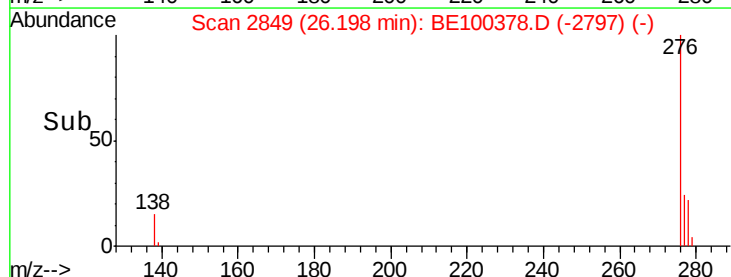
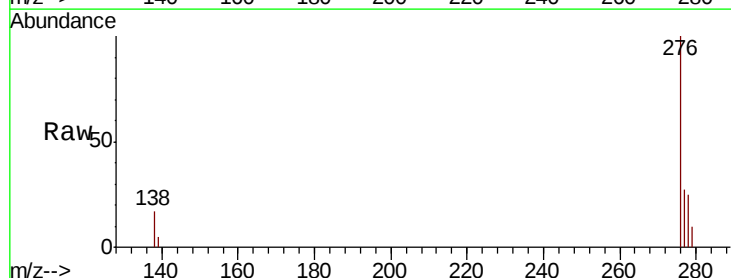
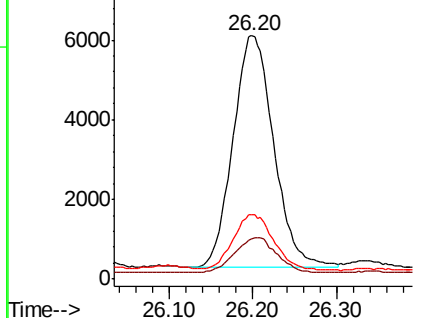
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

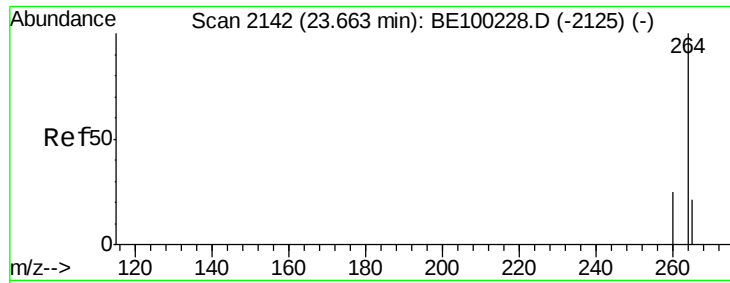


#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.513 ng
 RT: 26.20 min Scan# 2849
 Delta R.T. -0.02 min
 Lab File: BE100378.D
 Acq: 5 Jul 2019 13:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.4	9.4	14.0#
277	23.8	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





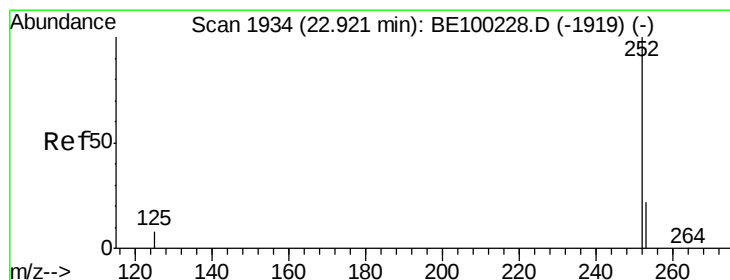
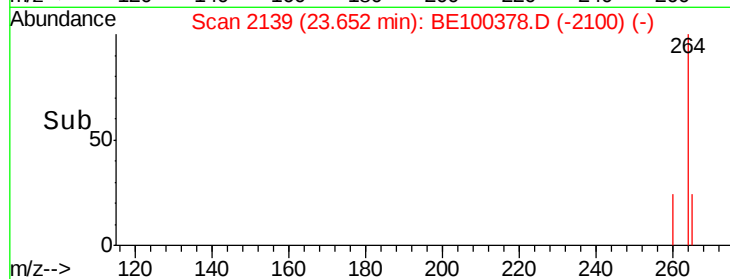
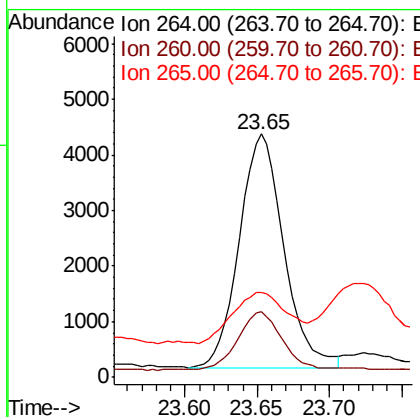
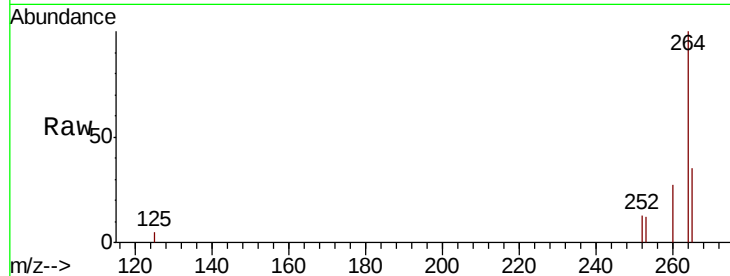
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.65 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: BE100378.D
 Acq: 5 Jul 2019 13:09

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW133-062419

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.1	20.8	31.2
265	34.7	21.8	32.6

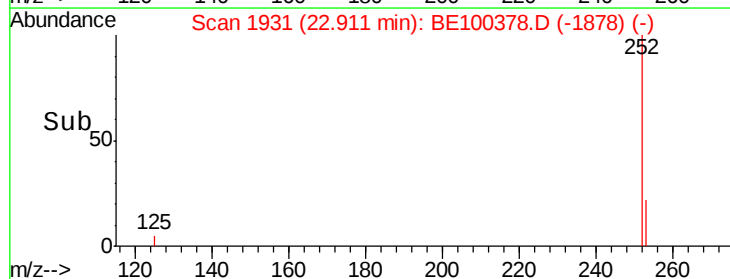
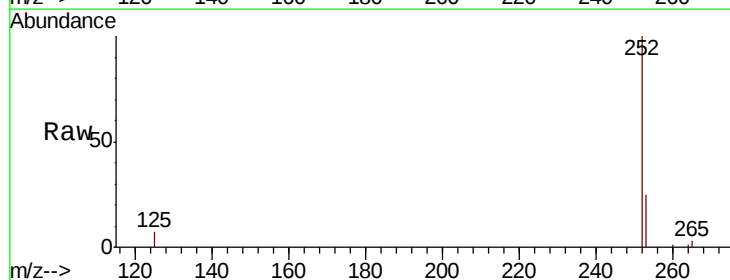
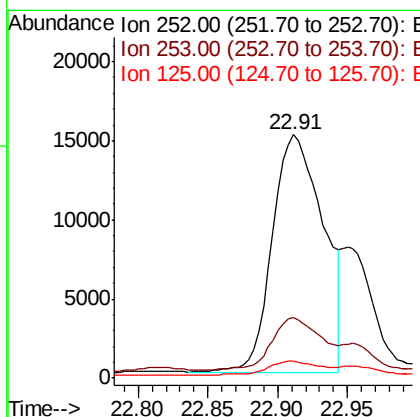
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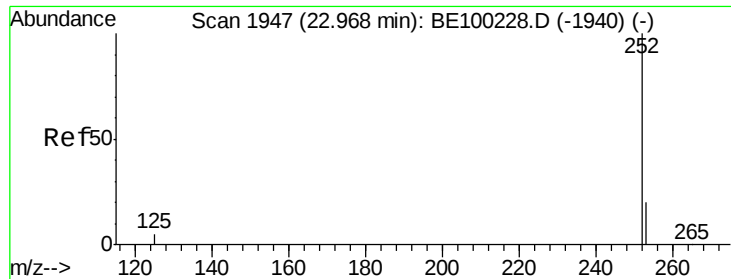
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 1.589 ng
 RT: 22.91 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: BE100378.D
 Acq: 5 Jul 2019 13:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.2	28.8
125	6.8	7.4	11.0





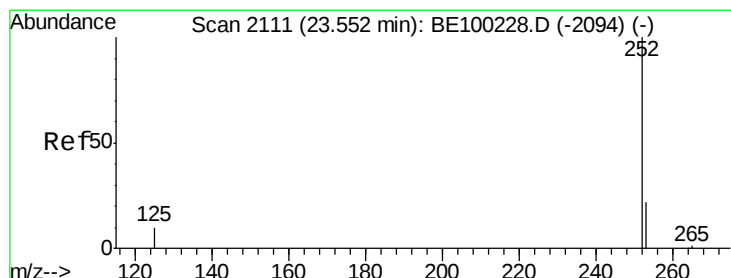
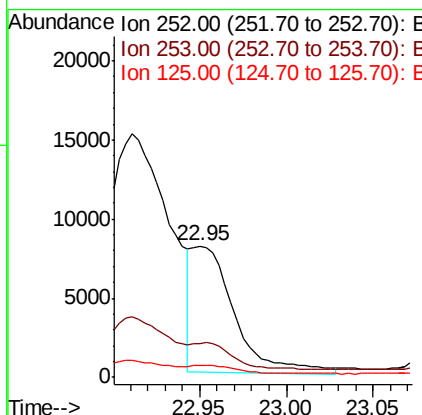
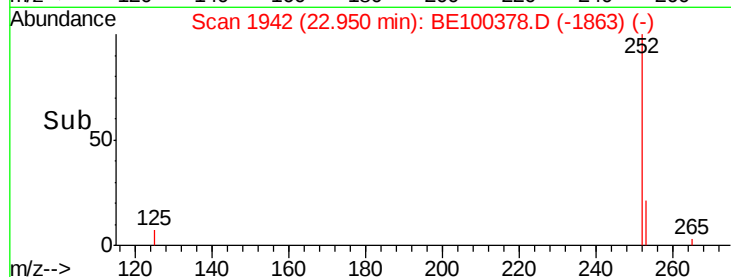
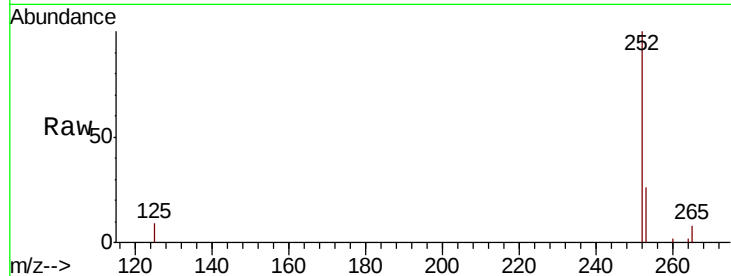
#36
Benzo(k)fluoranthene
Concen: 0.505 ng m
RT: 22.95 min Scan# 1942
Delta R.T. -0.02 min
Lab File: BE100378.D
Acq: 5 Jul 2019 13:09

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW133-062419

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.9	26.9
125	9.1	5.0	7.4

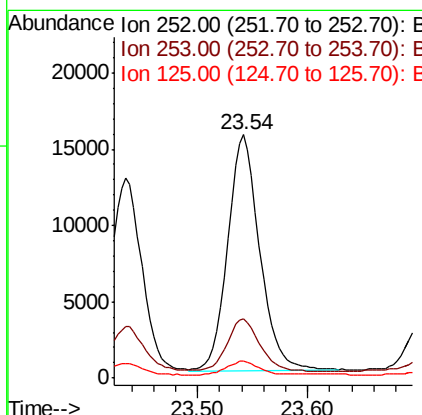
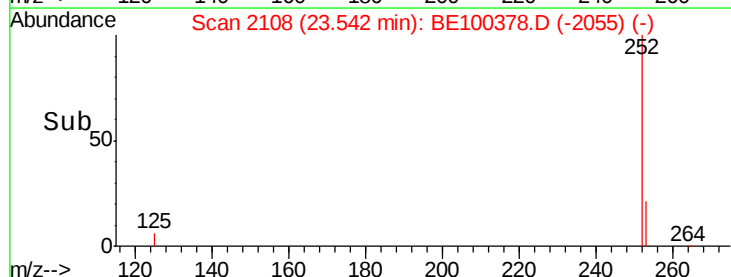
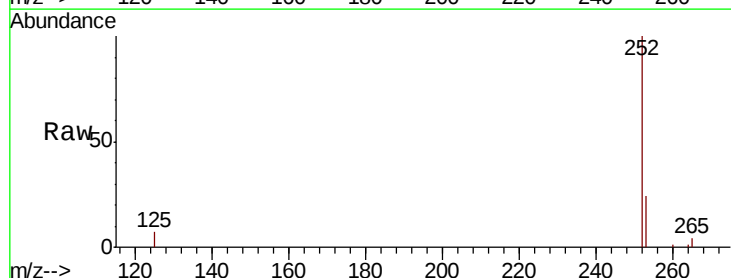
Manual Integrations
APPROVED

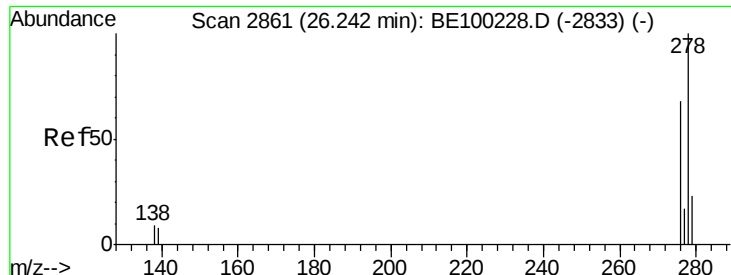
mohammad
7/8/2019 2:13:35 PM



#37
Benzo(a)pyrene
Concen: 1.305 ng
RT: 23.54 min Scan# 2108
Delta R.T. -0.01 min
Lab File: BE100378.D
Acq: 5 Jul 2019 13:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.6	29.4
125	6.9	9.0	13.6





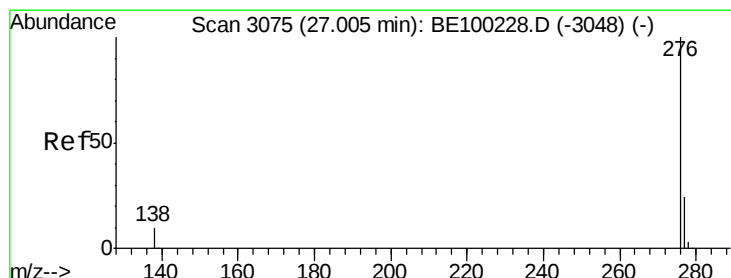
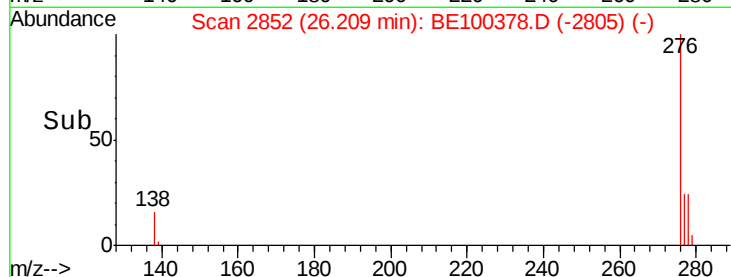
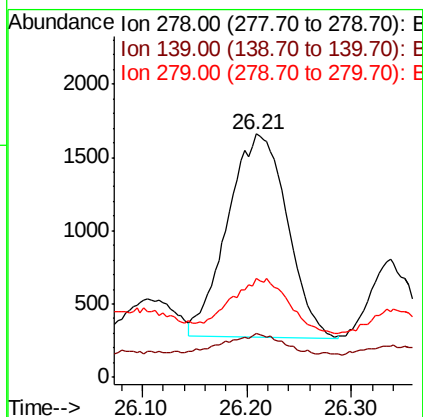
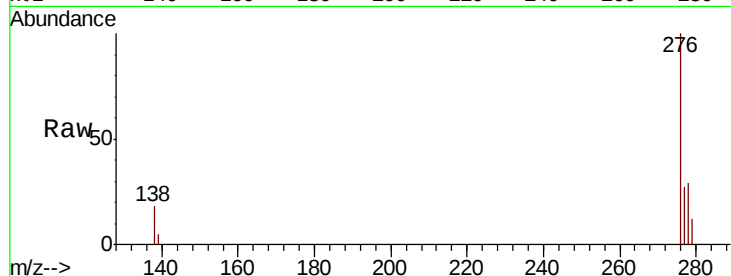
#38
Dibenzo(a,h)anthracene
Concen: 0.219 ng
RT: 26.21 min Scan# 2852
Delta R.T. -0.03 min
Lab File: BE100378.D
Acq: 5 Jul 2019 13:09

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW133-062419

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.9	8.2	12.2#
279	40.5	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/8/2019 2:13:35 PM



#39
Benzo(g,h,i)perylene
Concen: 0.943 ng
RT: 26.99 min Scan# 3070
Delta R.T. -0.02 min
Lab File: BE100378.D
Acq: 5 Jul 2019 13:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	20.2	30.2
138	10.9	9.0	13.6

