

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100275.D
 Acq On : 1 Jul 2019 20:54
 Operator : JU/SJ
 Sample : K3428-05DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW161-061319DL

Manual Integrations
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mohammad
 7/3/2019 9:48:13 AM

Quant Time: Jul 02 03:49:51 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	887	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3140	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2506	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6791	0.40	ng	0.00
27) Chrysene-d12	21.24	240	9028	0.40	ng	0.00
34) Perylene-d12	23.67	264	10322	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	318	0.14	ng	0.00
5) Phenol-d6	6.82	99	464	0.16	ng	-0.01
8) Nitrobenzene-d5	8.82	82	459	0.15	ng	0.00
11) 2-Methylnaphthalene-d10	12.04	152	1033	0.17	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	233	0.13	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	1351	0.14	ng	0.00
25) Fluoranthene-d10	19.10	212	15288	0.16	ng	0.00
29) Terphenyl-d14	19.70	244	3058	0.16	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.48	128	4628	0.134	ng	# 97
12) 2-Methylnaphthalene	12.12	142	1130	0.186	ng	96
16) Acenaphthylene	14.04	152	5244	0.436	ng	97
17) Acenaphthene	14.38	154	755	0.111	ng	91
18) Fluorene	15.35	166	2940	0.292	ng	# 88
23) Phenanthrene	17.09	178	55245	3.356	ng	99
24) Anthracene	17.19	178	4505	0.304	ng	98
26) Fluoranthene	19.13	202	81431	3.106	ng	99
28) Pyrene	19.49	202	103919	4.348	ng	97
30) Benzo(a)anthracene	21.23	228	66768	2.249	ng	95
31) Chrysene	21.28	228	63252	2.122	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	17857	0.368	ng	99
33) Indeno(1,2,3-cd)pyrene	26.23	276	35104	0.890	ng	97
35) Benzo(b)fluoranthene	22.93	252	64799	2.315	ng	# 97
36) Benzo(k)fluoranthene	22.97	252	24610m	0.788	ng	
37) Benzo(a)pyrene	23.56	252	49450m	1.763	ng	
38) Dibenzo(a,h)anthracene	26.23	278	9965m	0.340	ng	
39) Benzo(a,h,i)perylene	27.02	276	37431	1.244	ng	99

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

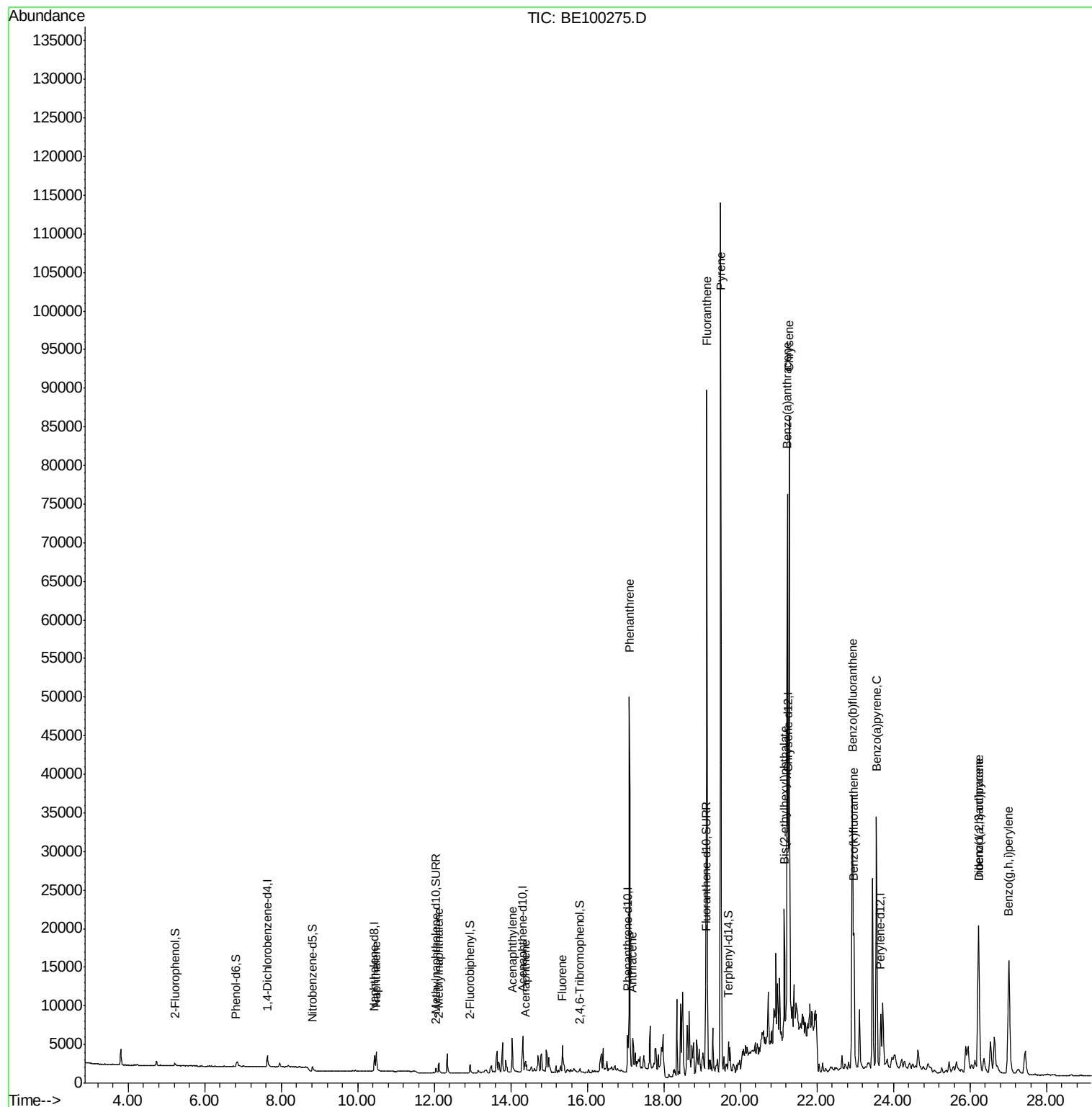
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
Data File : BE100275.D
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Operator : JU/SJ
Sample : K3428-05DL 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

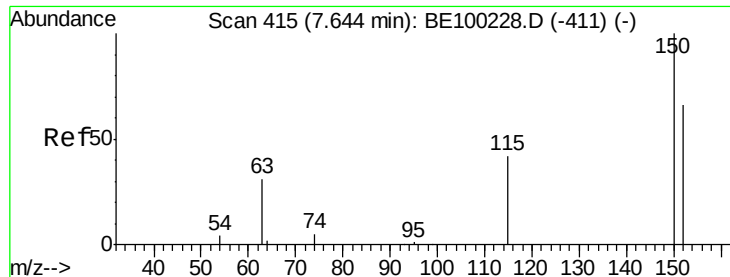
Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319DL

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7/3/2019 9:48:13 AM

Quant Time: Jul 02 03:49:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

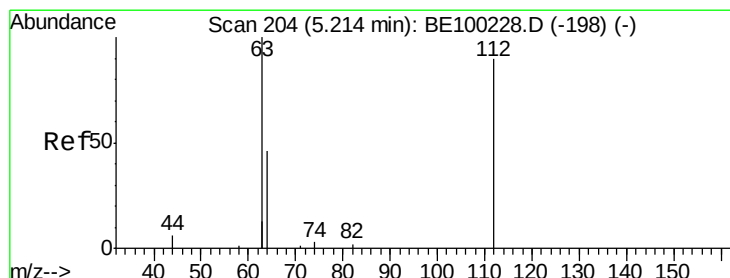
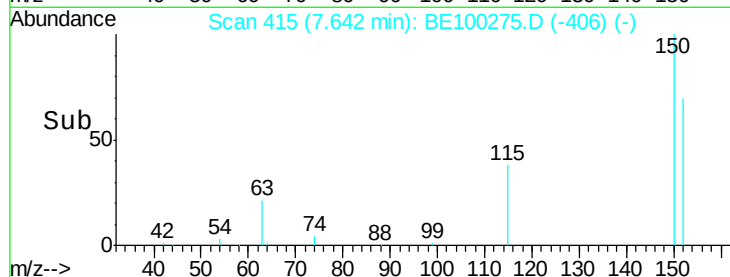
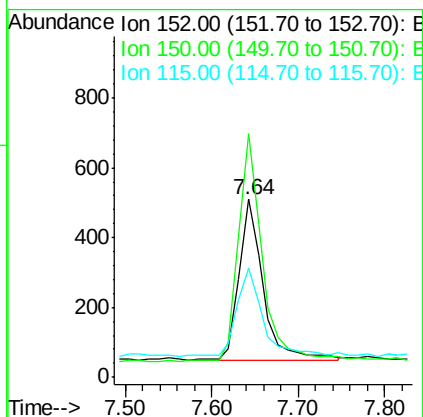
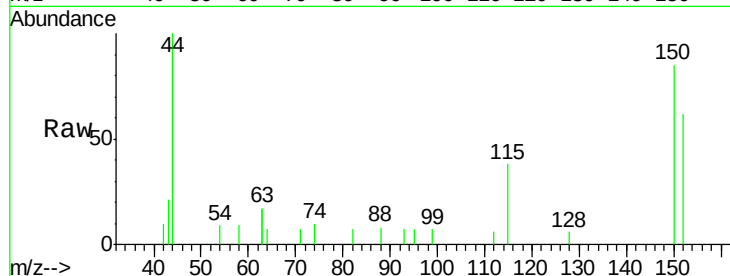
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100275.D
Acq: 1 Jul 2019 20:54

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	136.7	114.5	171.7
115	61.4	57.1	85.7

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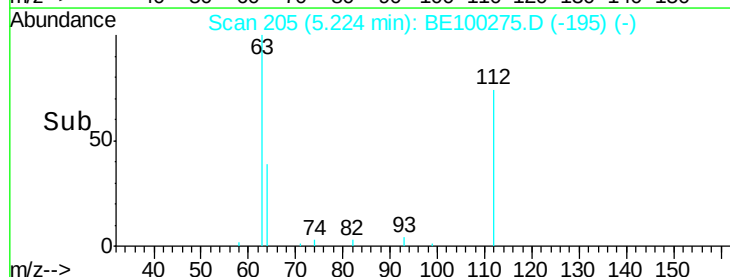
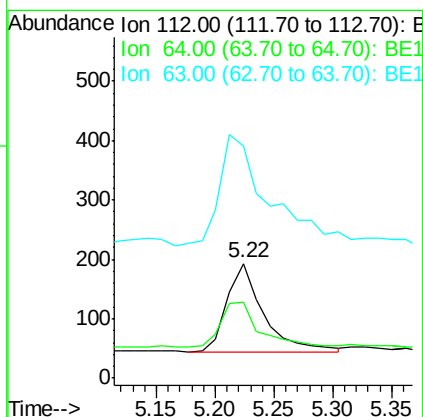
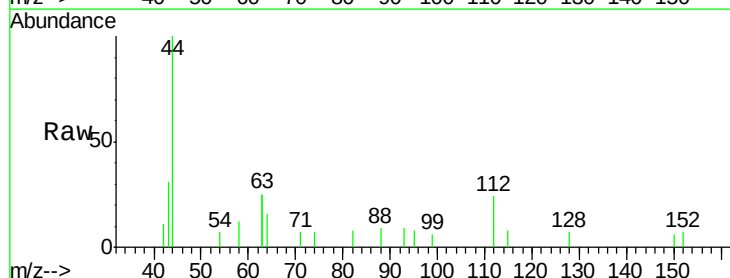
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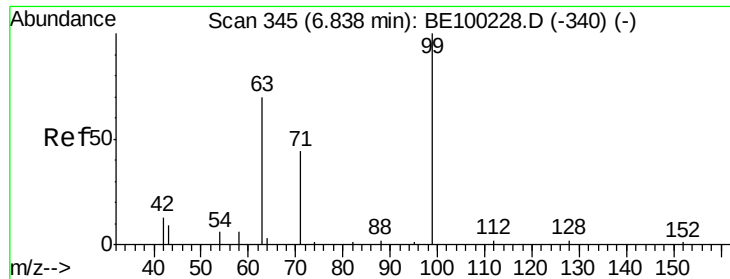


#4

2-Fluorophenol
Concen: 0.141 ng
RT: 5.22 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100275.D
Acq: 1 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	39.4	59.0
63	188.1	104.5	156.7





#5

Phenol-d6

Concen: 0.156 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100275.D

Acq: 1 Jul 2019 20:54

Instrument :

BNA_E

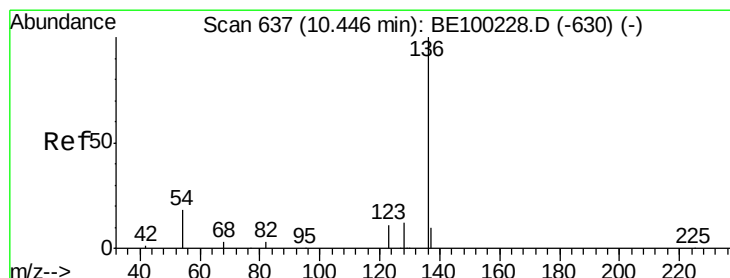
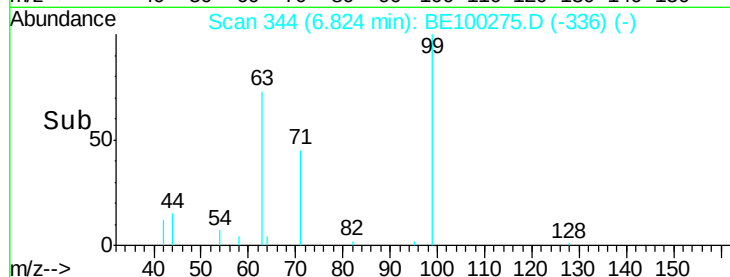
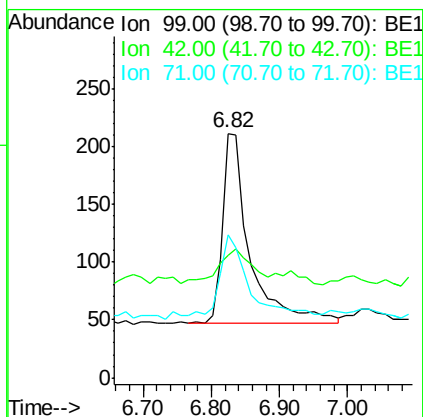
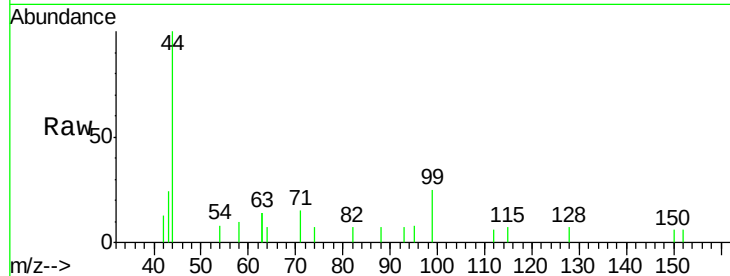
ClientSampleId :

EXT-013-SW161-061319DL

Tot Ion:	99	Resp:	464
Ion	Ratio	Lower	Upper
99	100		
42	22.2	11.2	16.8#
71	42.2	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

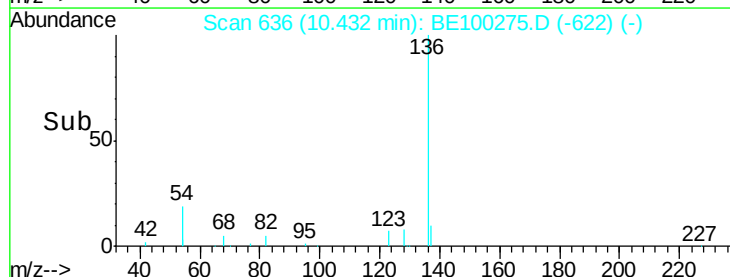
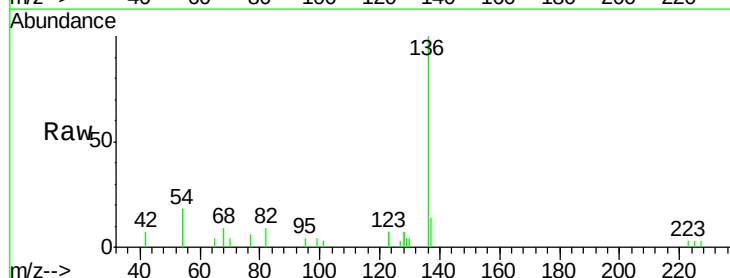
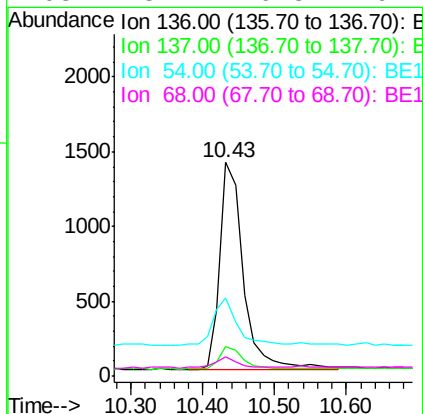
RT: 10.43 min Scan# 636

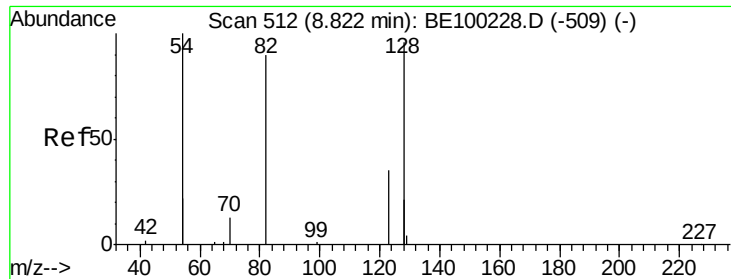
Delta R.T. -0.01 min

Lab File: BE100275.D

Acq: 1 Jul 2019 20:54

Tgt Ion:	136	Resp:	3140
Ion	Ratio	Lower	Upper
136	100		
137	13.5	11.8	17.8
54	36.4	27.7	41.5
68	8.7	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.147 ng

RT: 8.82 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE100275.D

Acq: 1 Jul 2019 20:54

Instrument :

BNA_E

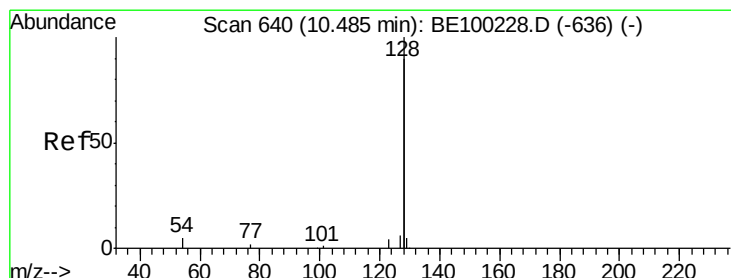
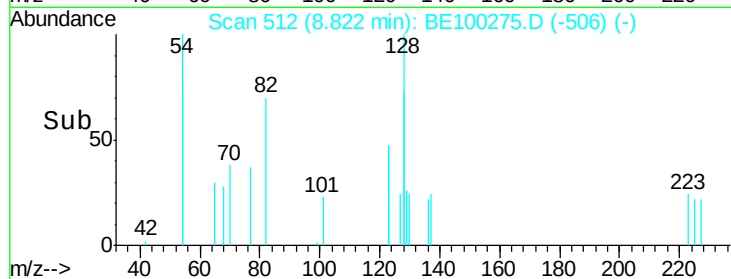
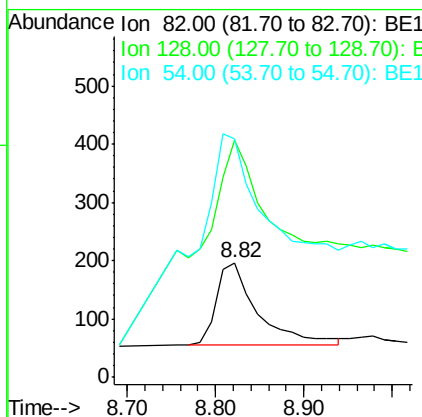
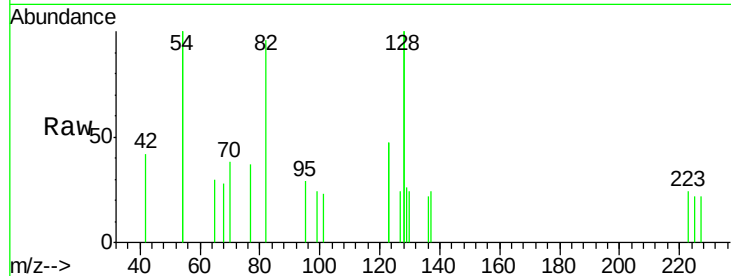
ClientSampleId :

EXT-013-SW161-061319DL

Tot Ion:	82	Resp:	459
Ion	Ratio	Lower	Upper
82	100		
128	207.1	140.9	211.3
54	208.1	146.2	219.2

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#9

Naphthalene

Concen: 0.134 ng

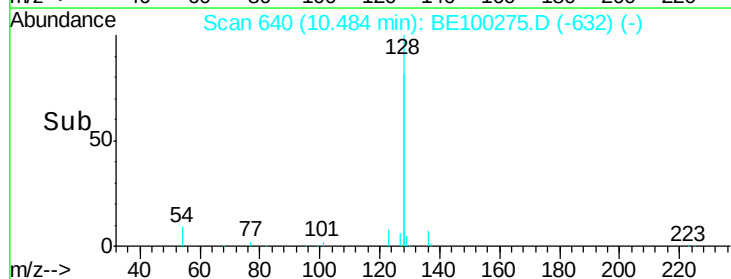
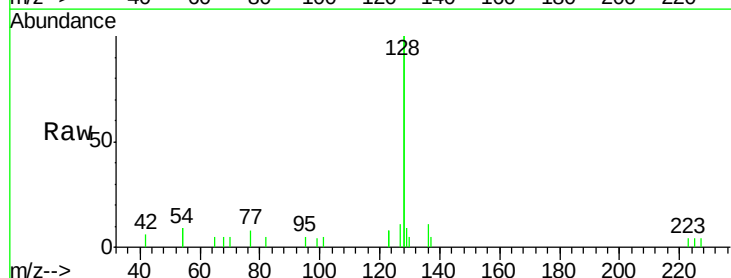
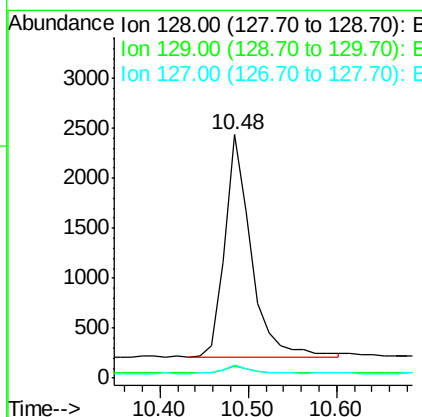
RT: 10.48 min Scan# 640

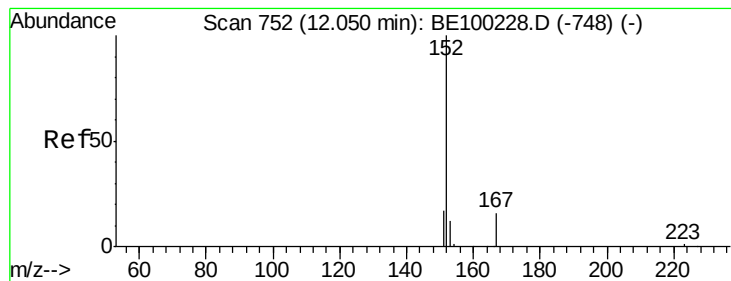
Delta R.T. -0.00 min

Lab File: BE100275.D

Acq: 1 Jul 2019 20:54

Tgt Ion:	128	Resp:	4628
Ion	Ratio	Lower	Upper
128	100		
129	4.7	3.0	4.6#
127	5.3	3.5	5.3





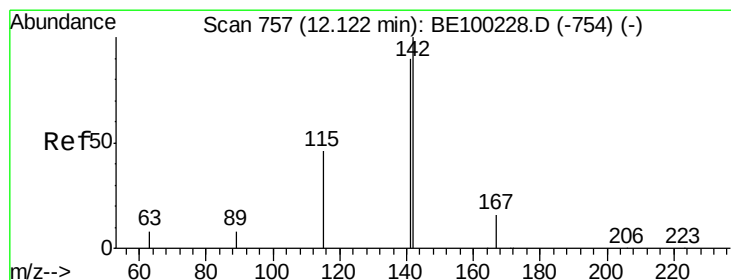
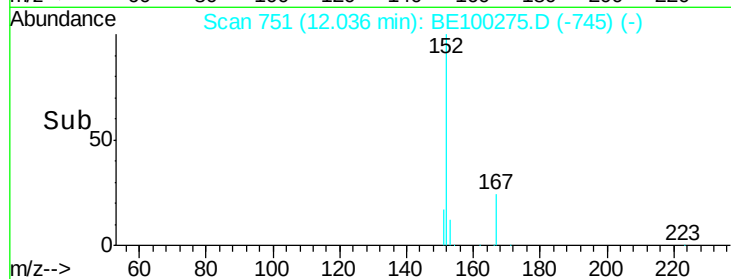
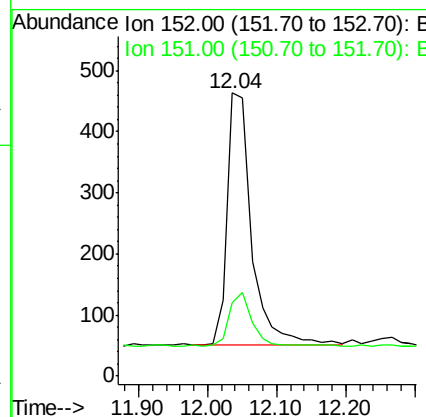
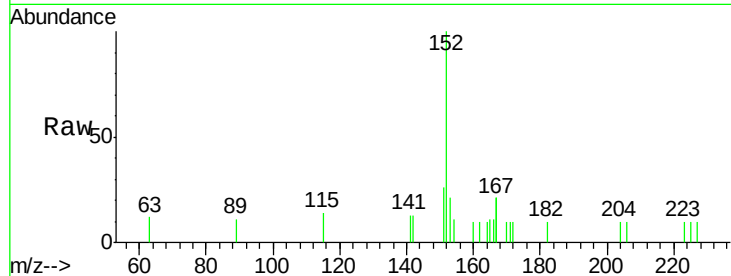
#11
2-Methylnaphthalene-d10
Concen: 0.175 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100275.D
Acq: 1 Jul 2019 20:54

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319DL

Tot Ion:152 Resp: 1033
Ion Ratio Lower Upper
152 100
151 21.7 15.1 22.7

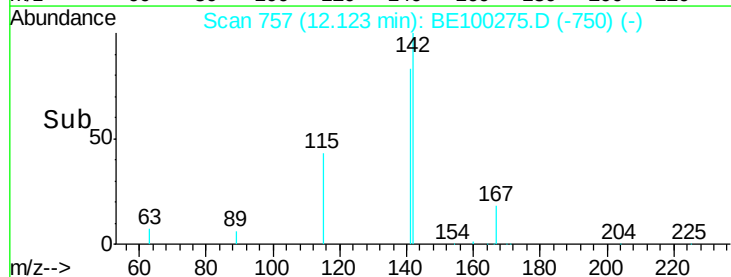
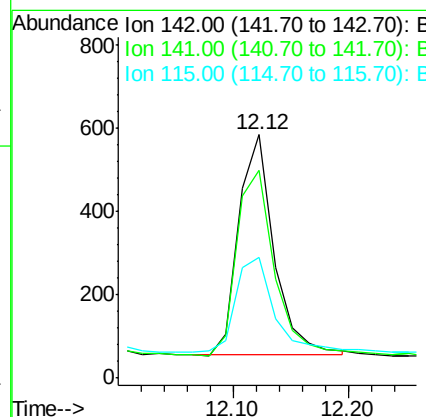
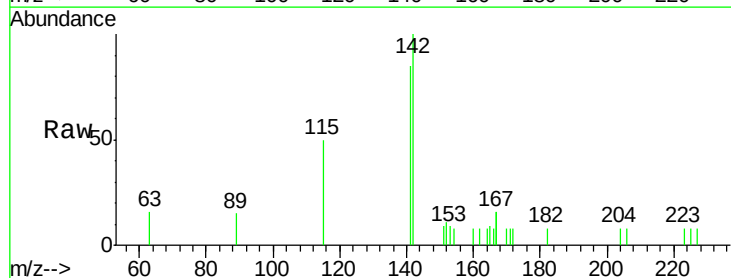
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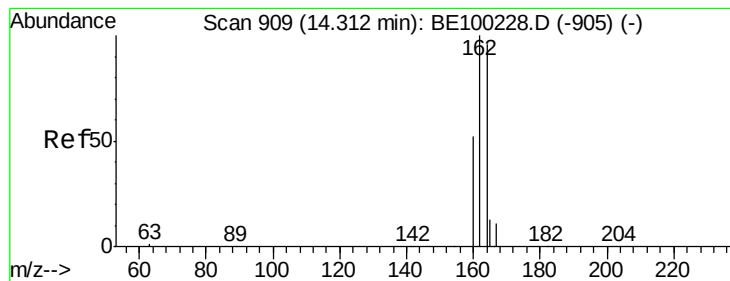
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#12
2-Methylnaphthalene
Concen: 0.186 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100275.D
Acq: 1 Jul 2019 20:54

Tgt Ion:142 Resp: 1130
Ion Ratio Lower Upper
142 100
141 85.1 72.4 108.6
115 49.7 40.4 60.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 909

Delta R.T. 0.00 min

Lab File: BE100275.D

Acq: 1 Jul 2019 20:54

Instrument :

BNA_E

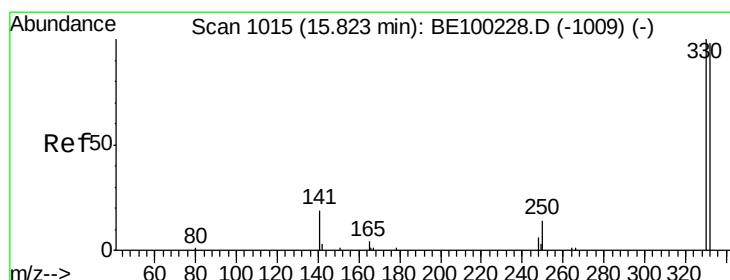
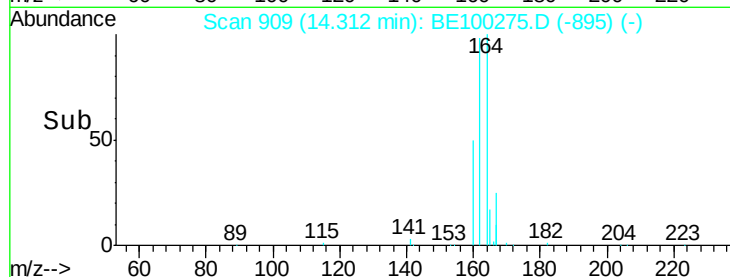
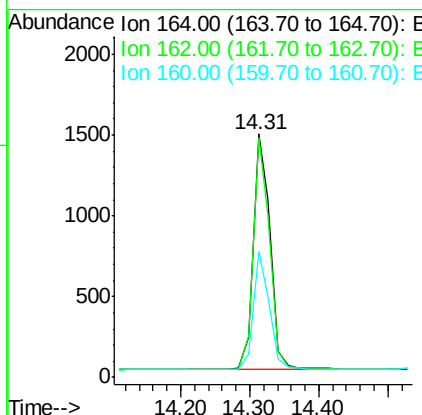
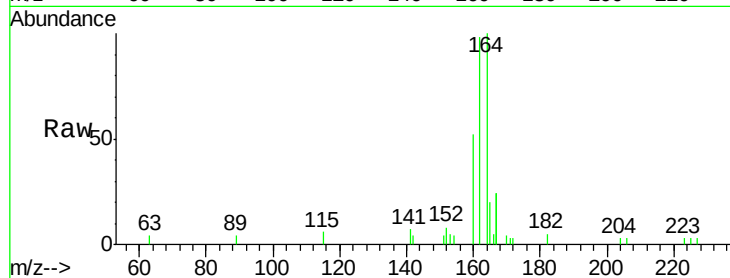
ClientSampleId :

EXT-013-SW161-061319DL

Tot Ion:	164	Resp:	2506
Ion Ratio	Lower	Upper	
164	100		
162	98.4	83.4	125.0
160	51.9	45.0	67.6

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#14

2,4,6-Tribromophenol

Concen: 0.133 ng

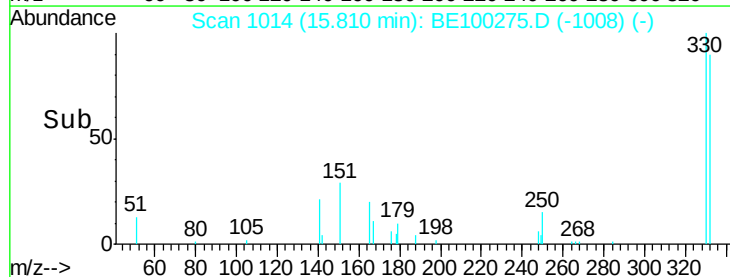
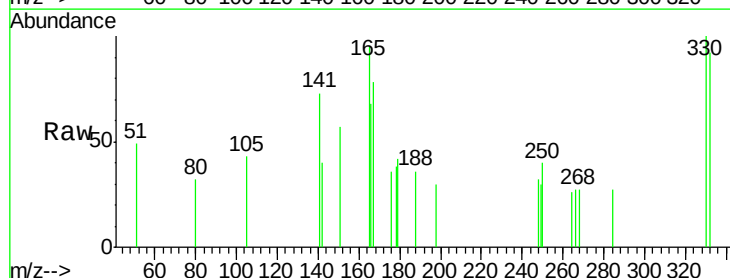
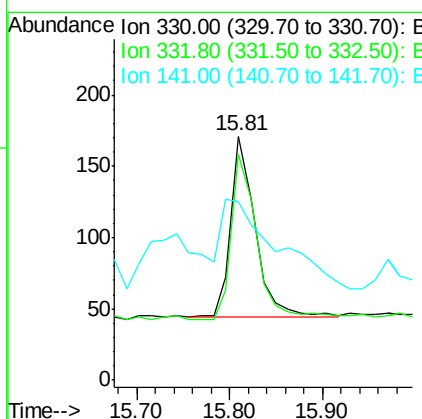
RT: 15.81 min Scan# 1014

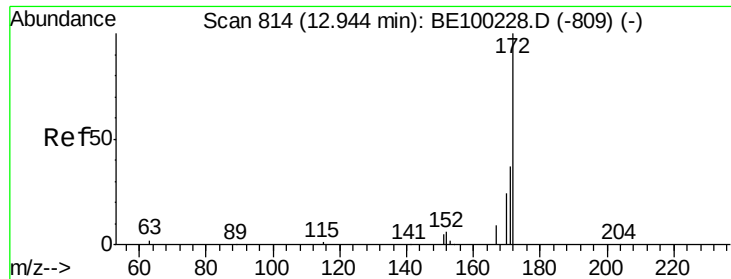
Delta R.T. -0.01 min

Lab File: BE100275.D

Acq: 1 Jul 2019 20:54

Tgt Ion:	330	Resp:	233
Ion Ratio	Lower	Upper	
330	100		
332	93.6	77.0	115.4
141	109.9	22.0	33.0#





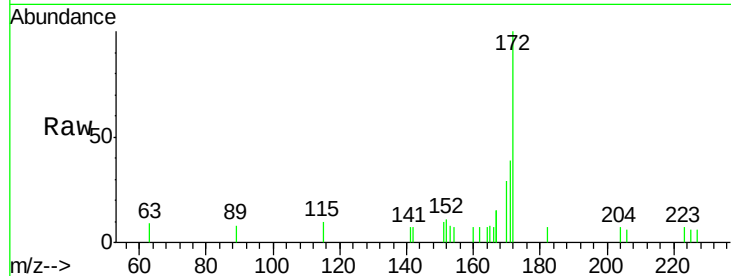
#15
2-Fluorobiphenyl
Concen: 0.138 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100275.D
Acq: 1 Jul 2019 20:54

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319DL

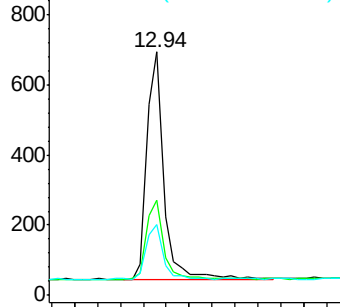
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.9	31.9	47.9
170	28.8	22.2	33.2

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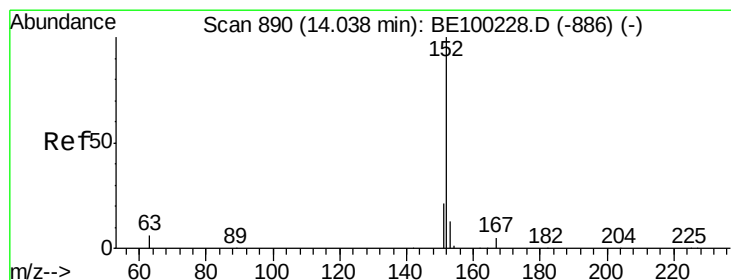
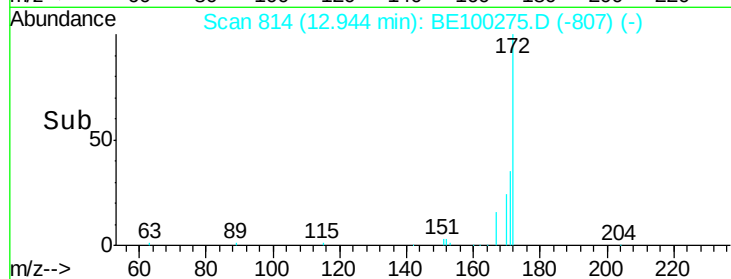
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Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

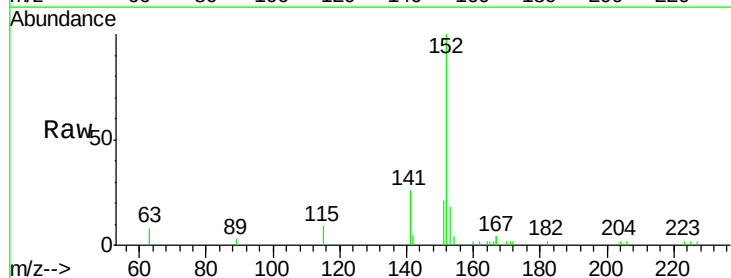


Time-->

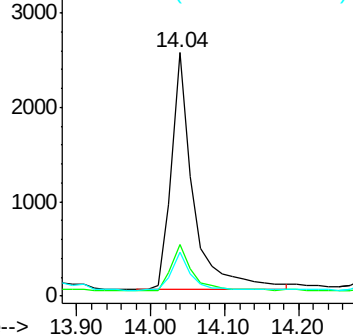


#16
Acenaphthylene
Concen: 0.436 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100275.D
Acq: 1 Jul 2019 20:54

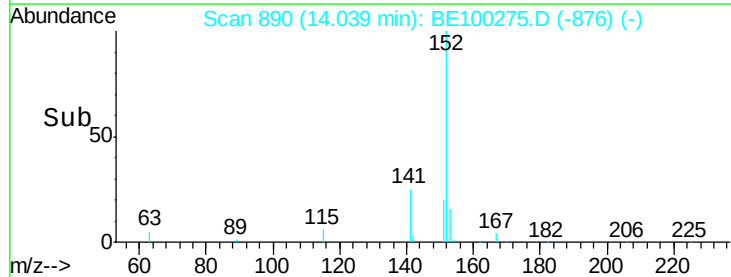
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.6	25.0
153	14.9	10.5	15.7

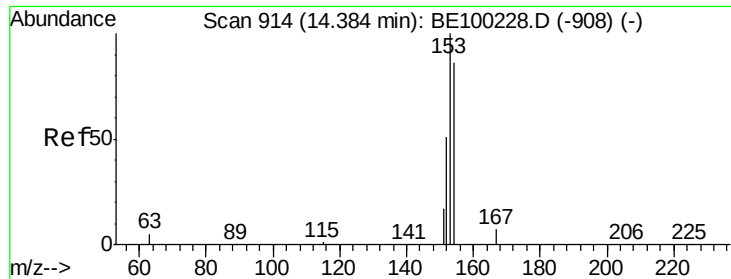


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->





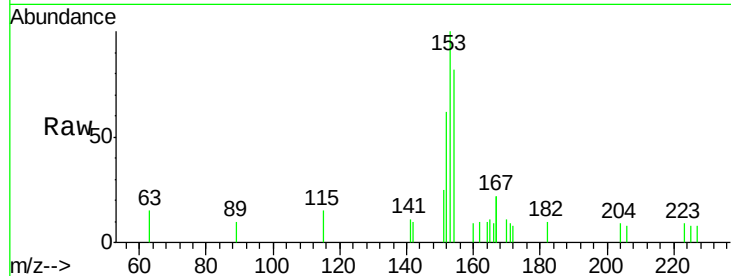
#17
Acenaphthene
Concen: 0.111 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100275.D
Acq: 1 Jul 2019 20:54

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319DL

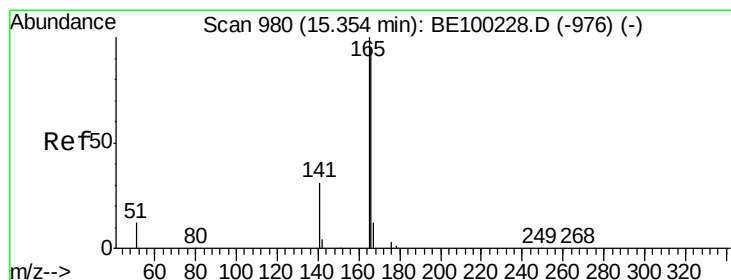
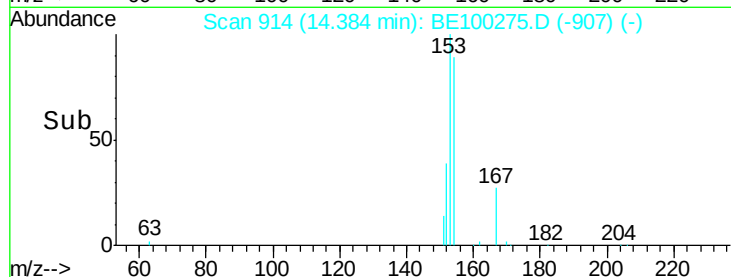
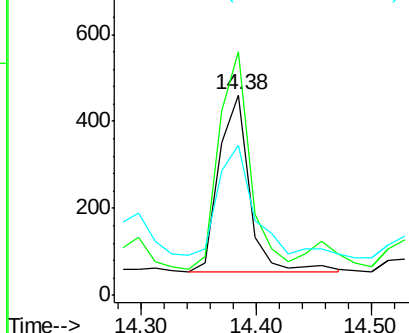
Tot Ion	Ratio	Lower	Upper
154	100		
153	123.3	93.4	140.2
152	73.1	49.4	74.2

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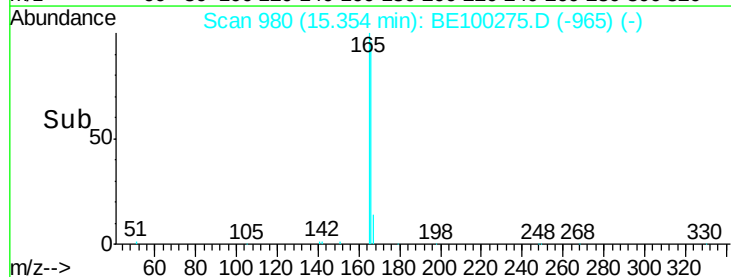
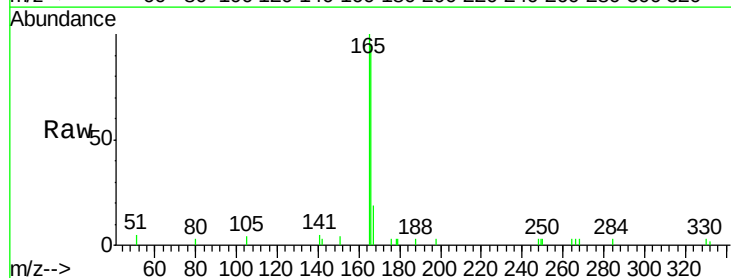
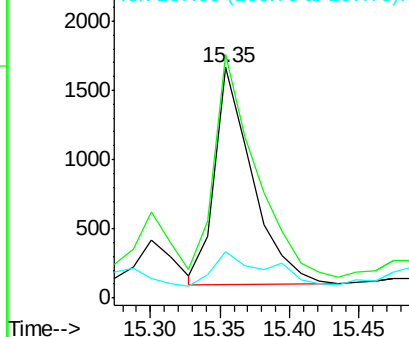
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

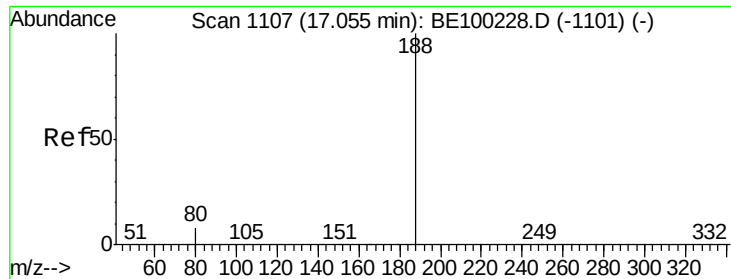


#18
Fluorene
Concen: 0.292 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100275.D
Acq: 1 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
166	100		
165	111.5	81.1	121.7
167	23.7	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





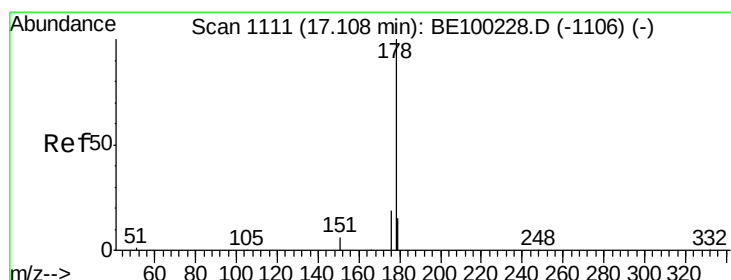
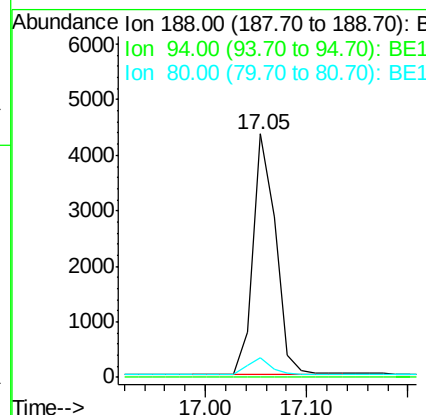
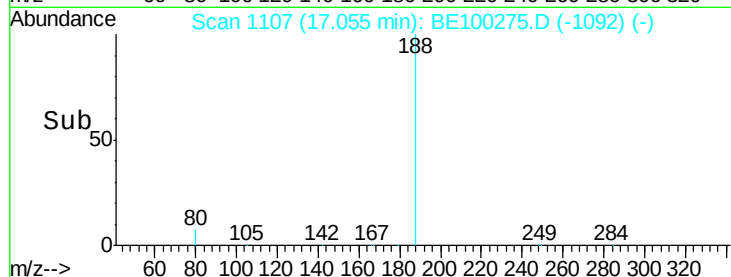
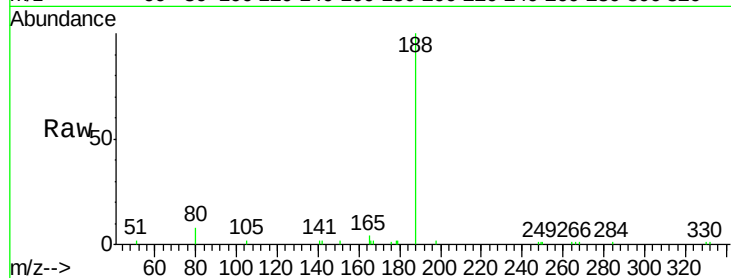
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100275.D
Acq: 1 Jul 2019 20:54

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	6791		
94	0.0	0.0	0.0	
80	8.0	7.6	11.4	

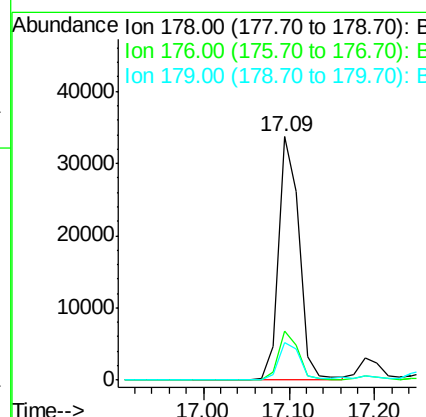
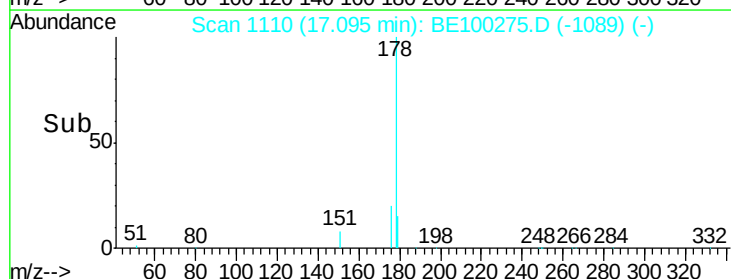
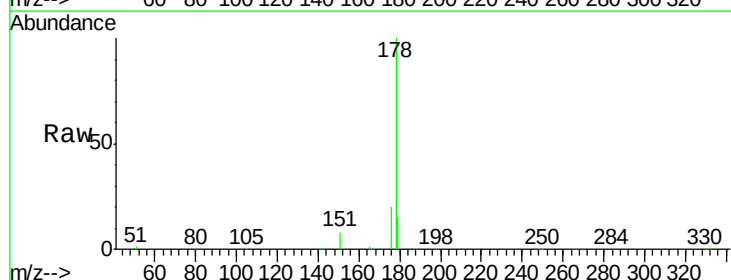
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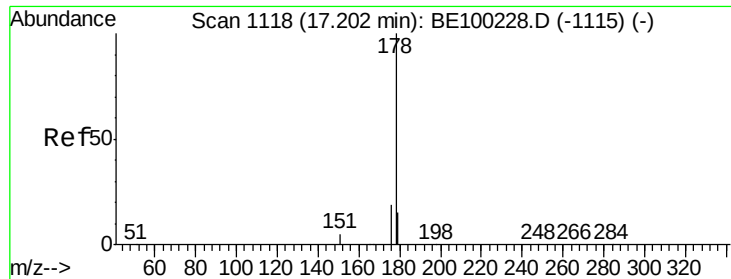
mohammad
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#23
Phenanthrene
Concen: 3.356 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100275.D
Acq: 1 Jul 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	55245		
176	19.5	15.9	23.9	
179	15.7	12.2	18.2	





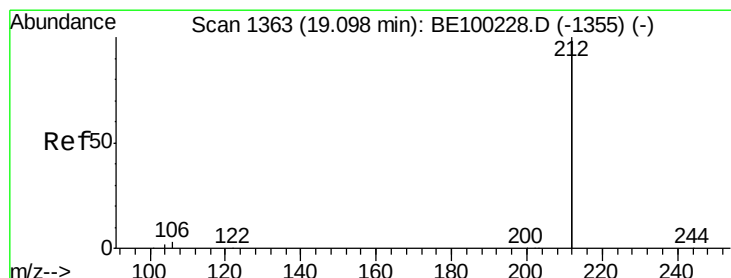
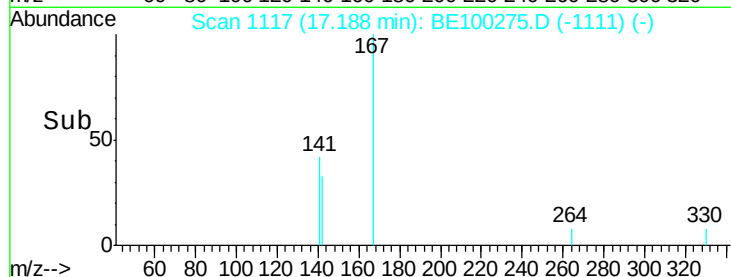
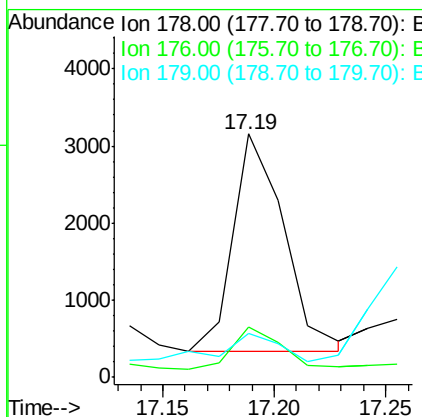
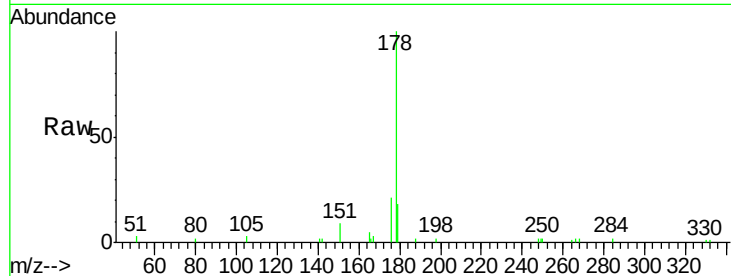
#24
 Anthracene
 Concen: 0.304 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100275.D
 Acq: 1 Jul 2019 20:54

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW161-061319DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.3	22.9
179	14.5	12.2	18.2

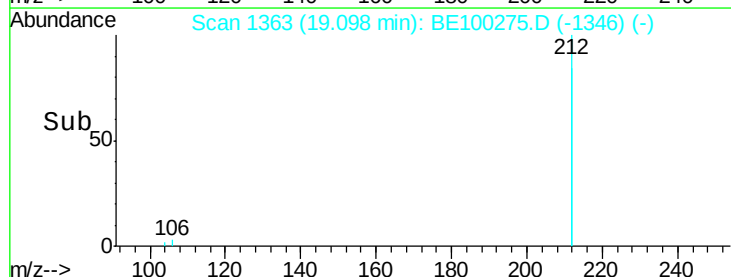
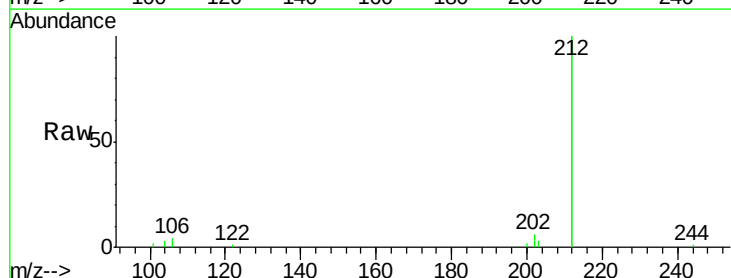
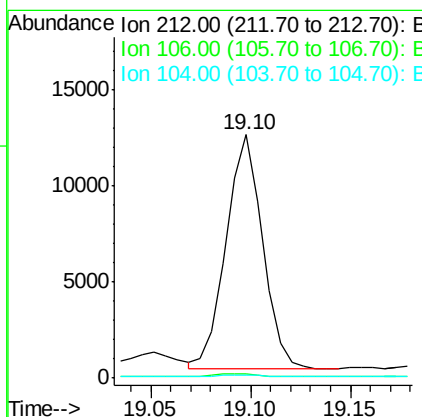
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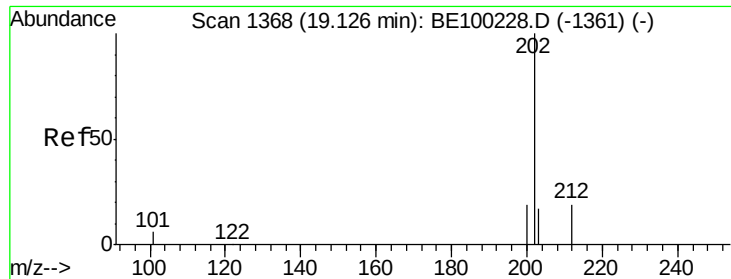
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.155 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: BE100275.D
 Acq: 1 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	1.0	0.8	1.2





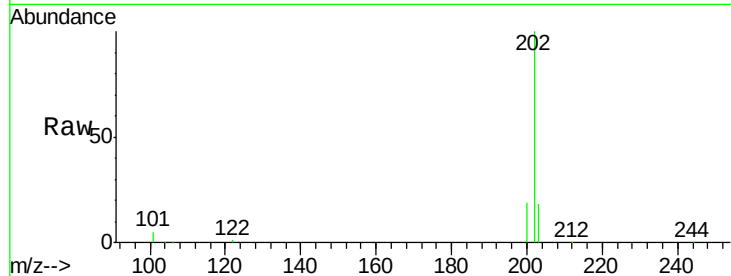
#26
 Fluoranthene
 Concen: 3.106 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100275.D
 Acq: 1 Jul 2019 20:54

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW161-061319DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.7	4.6	7.0
203	17.9	13.7	20.5

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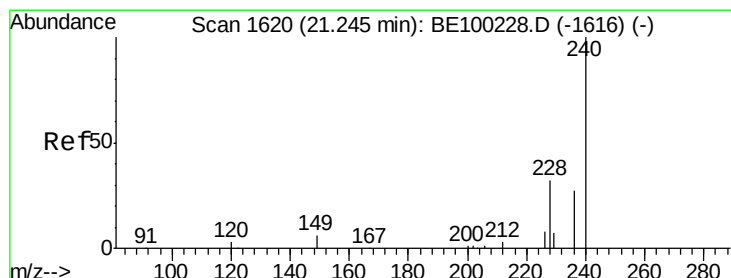
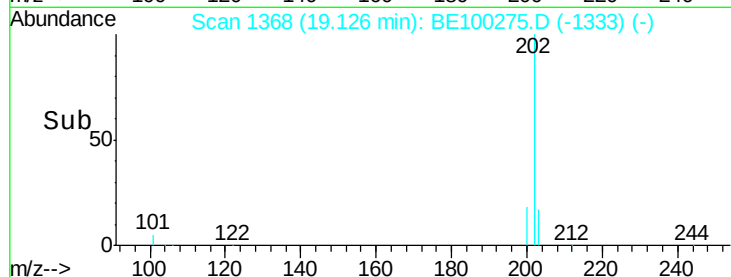
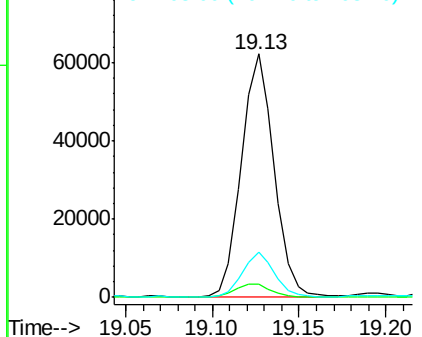


Abundance

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
 RT: 21.24 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: BE100275.D
 Acq: 1 Jul 2019 20:54

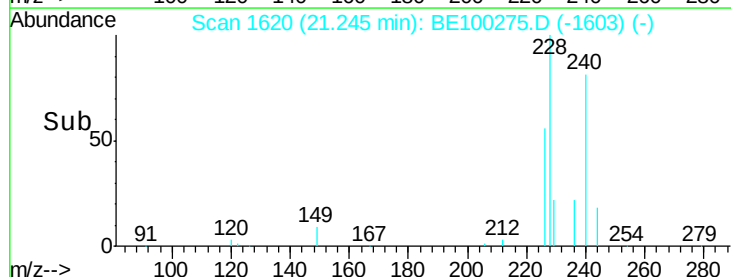
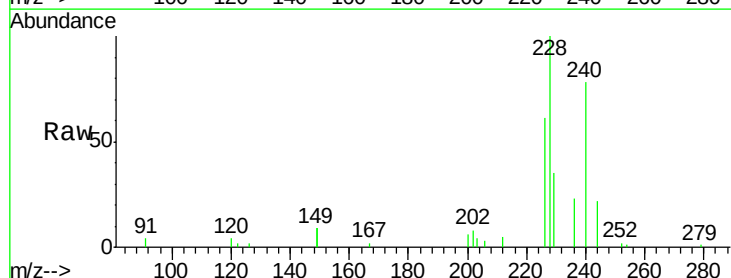
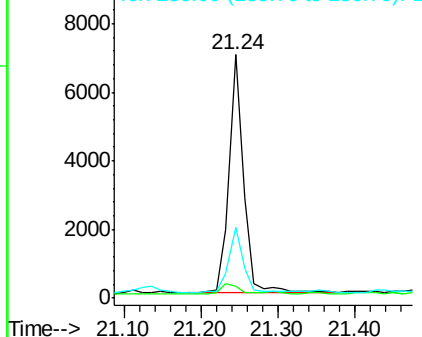
Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.0	3.3	4.9#
236	29.1	22.6	34.0

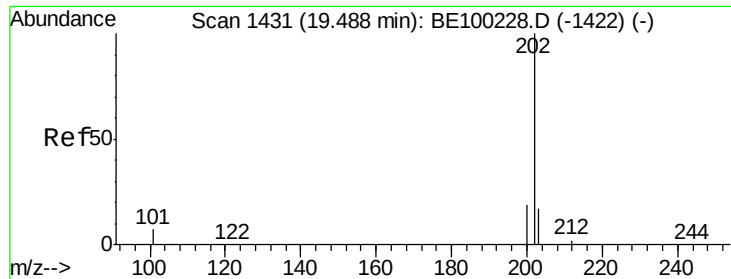
Abundance

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





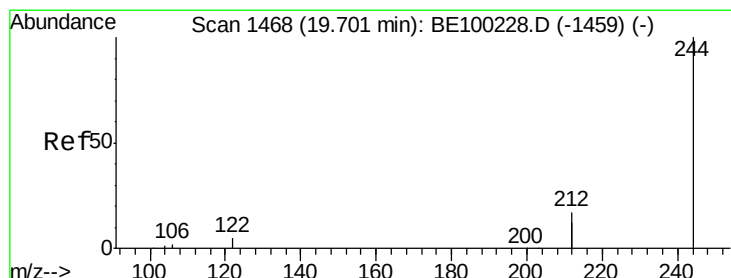
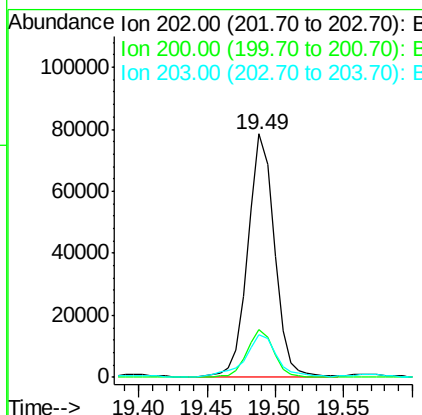
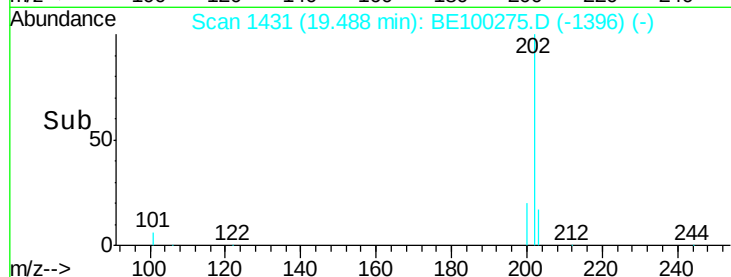
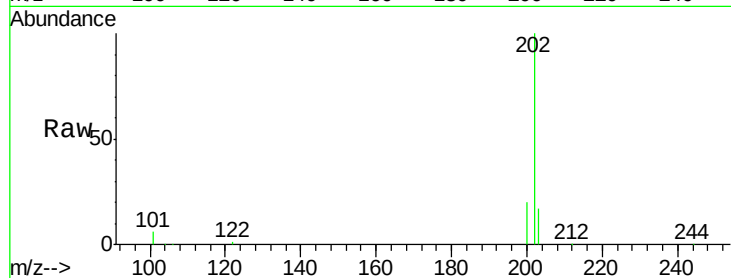
#28
Pvrene
Concen: 4.348 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100275.D
Acq: 1 Jul 2019 20:54

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319DL

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

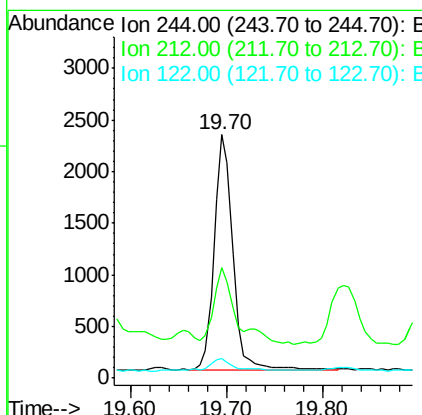
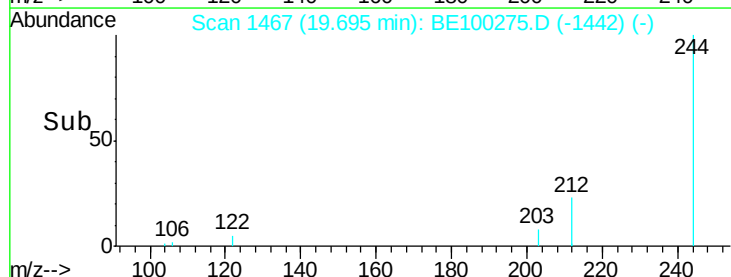
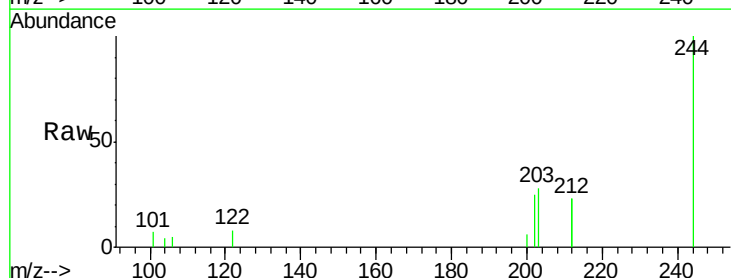
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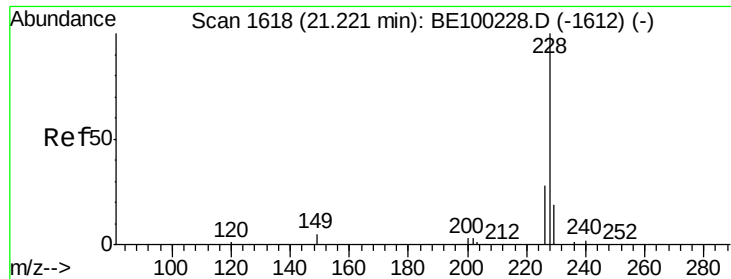
mohammad
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#29
Terphenyl-d14
Concen: 0.163 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100275.D
Acq: 1 Jul 2019 20:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	45.1	27.3	40.9#
122	8.1	4.7	7.1#





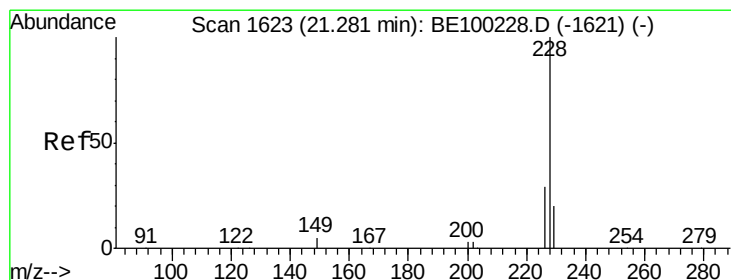
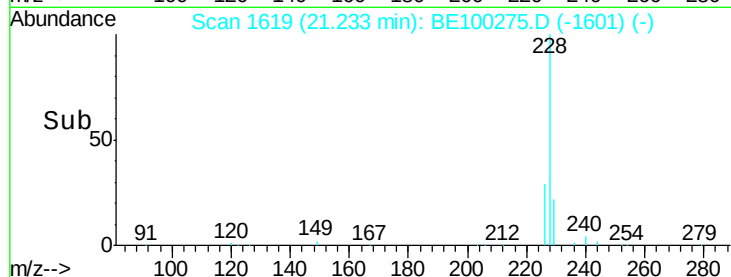
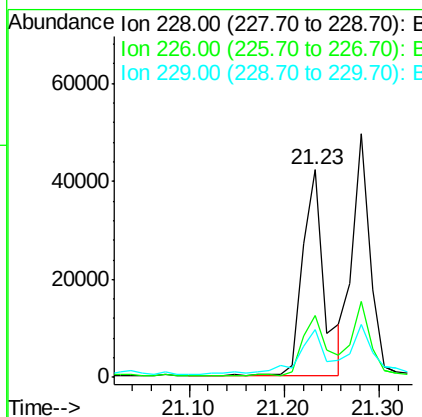
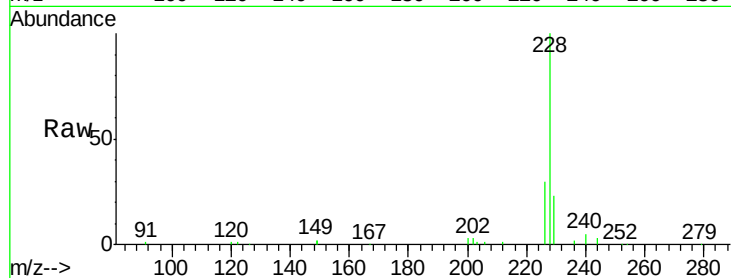
#30
Benzo(a)anthracene
Concen: 2.249 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100275.D
Acq: 1 Jul 2019 20:54

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.2	34.8
229	23.3	15.7	23.5

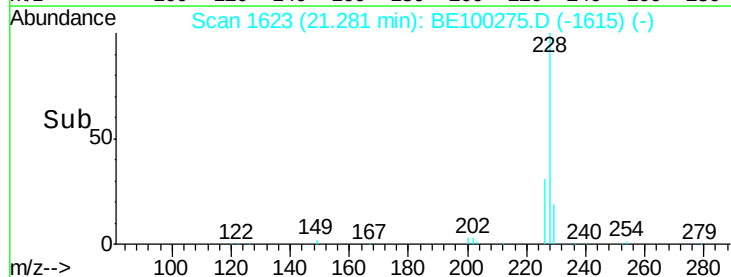
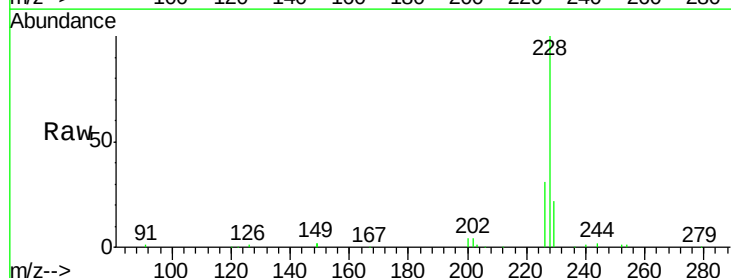
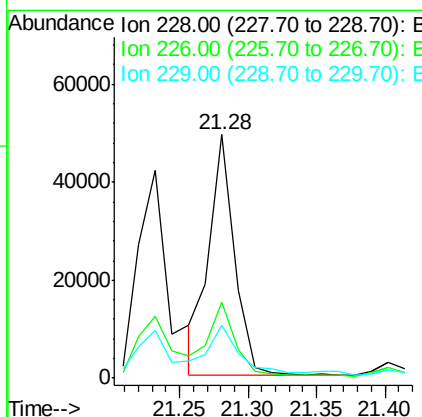
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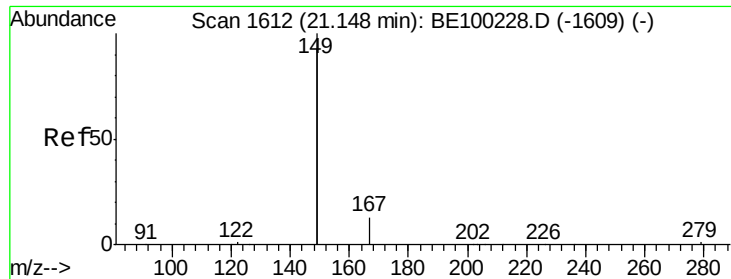
mohammad
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#31
Chrysene
Concen: 2.122 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BE100275.D
Acq: 1 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.9	35.9
229	21.9	16.5	24.7





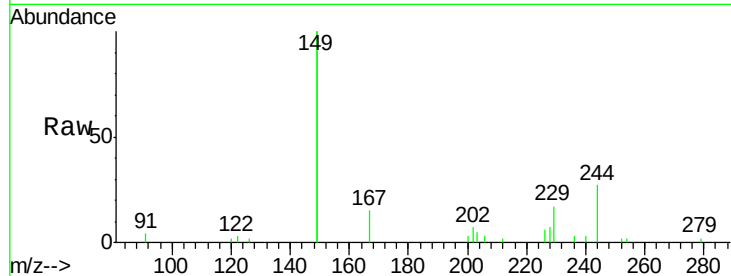
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.368 ng
 RT: 21.15 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BE100275.D
 Acq: 1 Jul 2019 20:54

Instrument :
 BNA_E
 ClientSampleId :
 EXT-013-SW161-061319DL

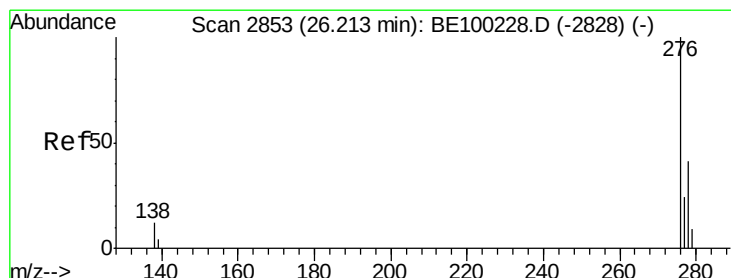
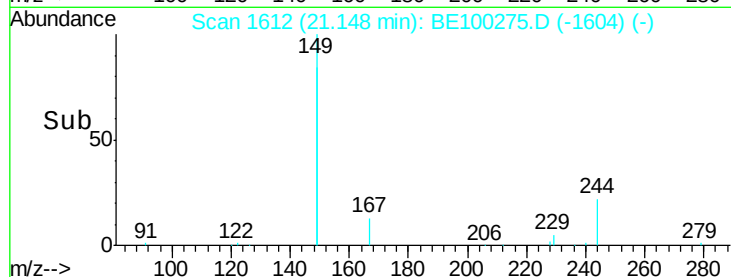
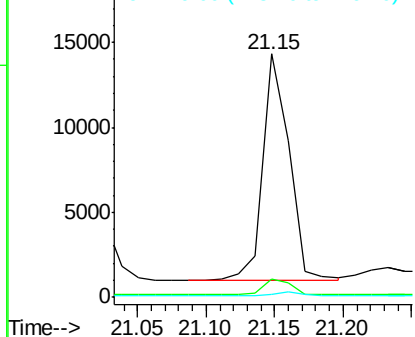
Tot Ion:	149	Resp:	17857
Ion Ratio	Lower	Upper	
149	100		
167	7.1	5.8	8.8
279	1.4	1.1	1.7

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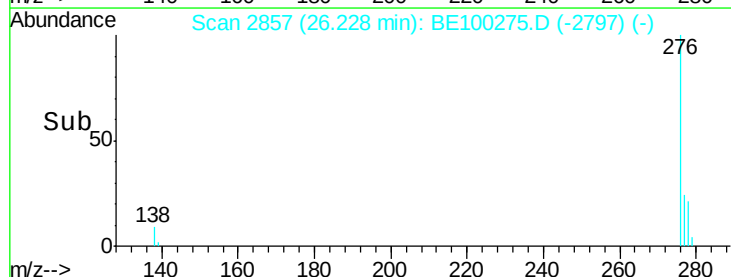
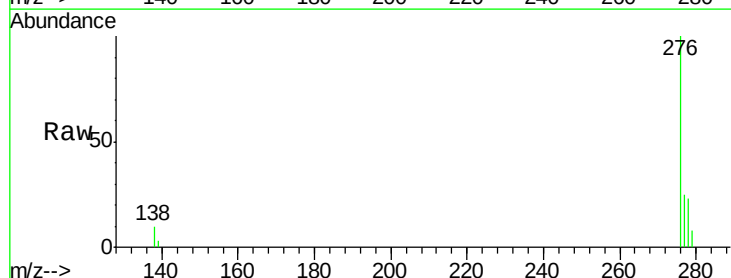
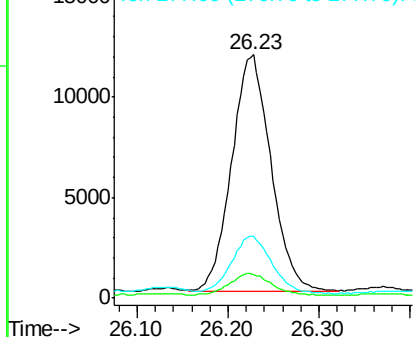
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

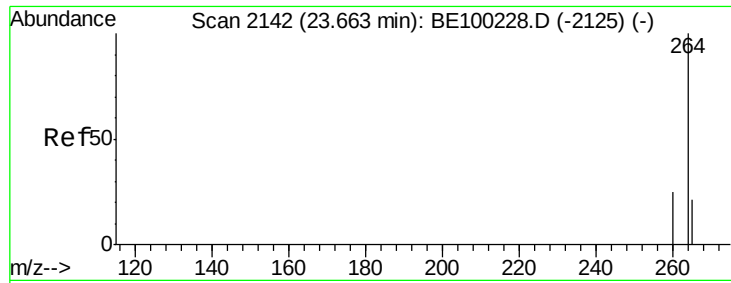


#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.890 ng
 RT: 26.23 min Scan# 2857
 Delta R.T. 0.01 min
 Lab File: BE100275.D
 Acq: 1 Jul 2019 20:54

Tgt Ion:	276	Resp:	35104
Ion Ratio	Lower	Upper	
276	100		
138	9.5	9.4	14.0
277	24.9	19.2	28.8

Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E





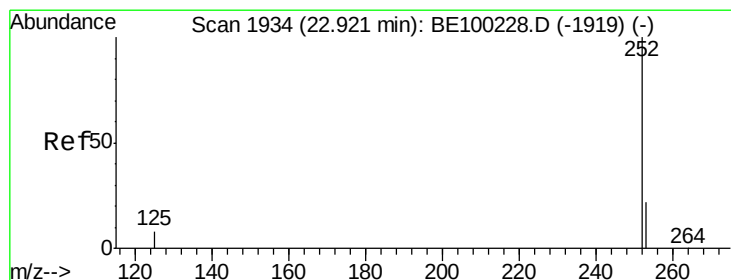
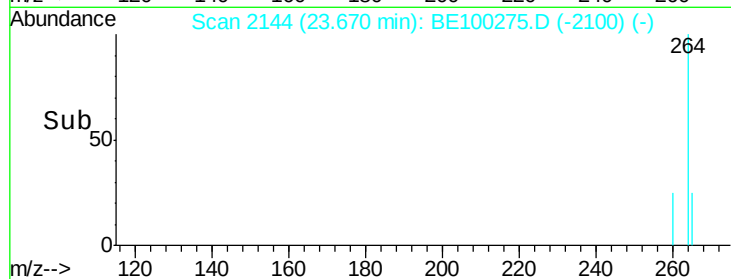
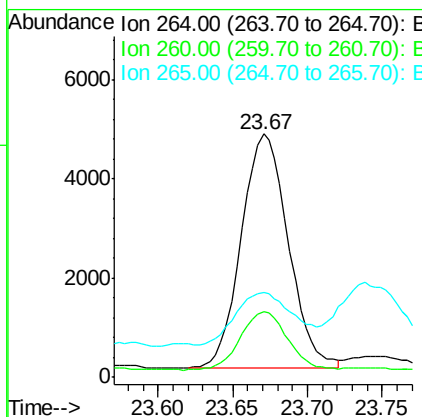
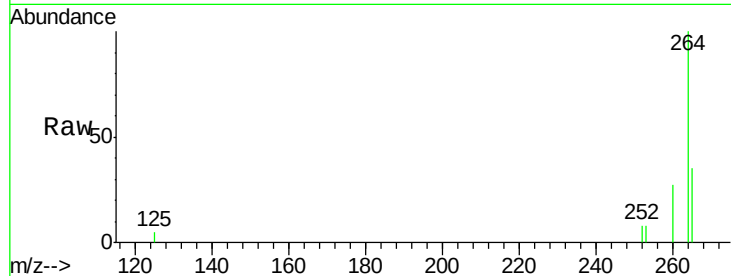
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2144
Delta R.T. 0.01 min
Lab File: BE100275.D
Acq: 1 Jul 2019 20:54

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319DL

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

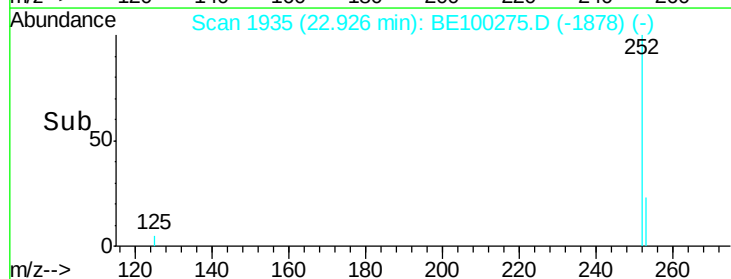
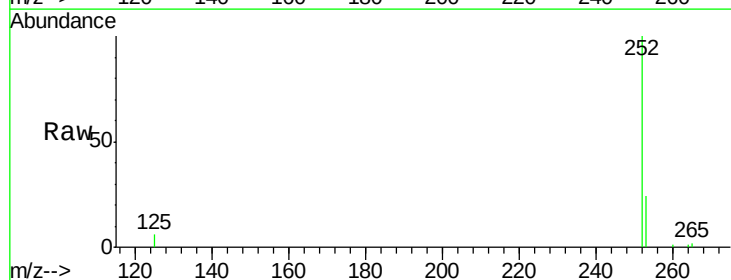
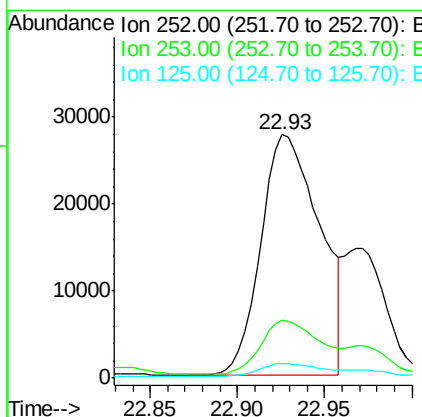
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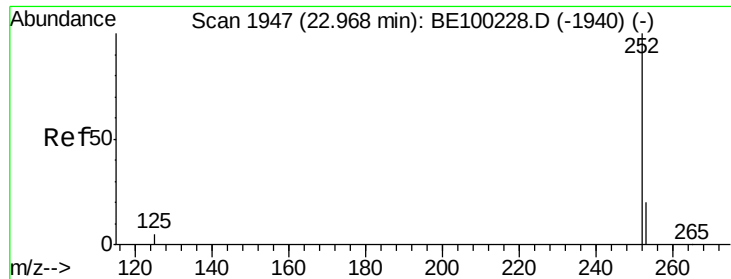
mohammad
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#35
Benzo(b)fluoranthene
Concen: 2.315 ng
RT: 22.93 min Scan# 1935
Delta R.T. 0.00 min
Lab File: BE100275.D
Acq: 1 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.2	28.8
125	5.9	7.4	11.0





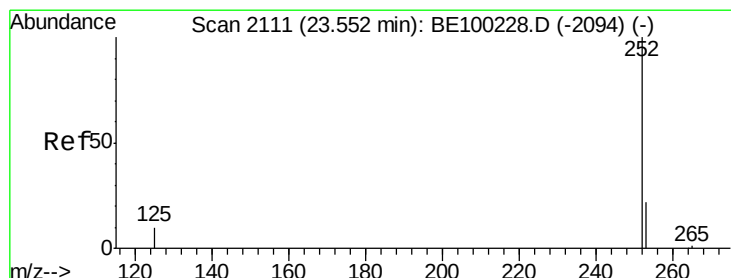
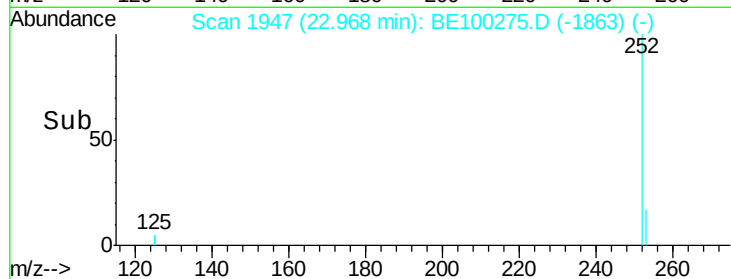
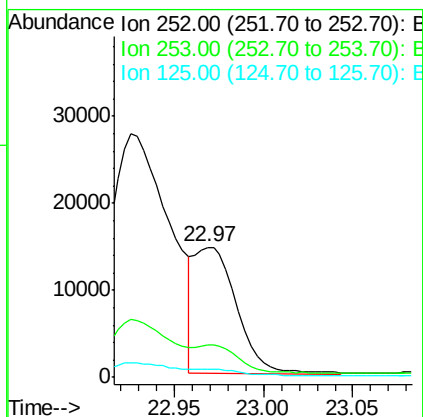
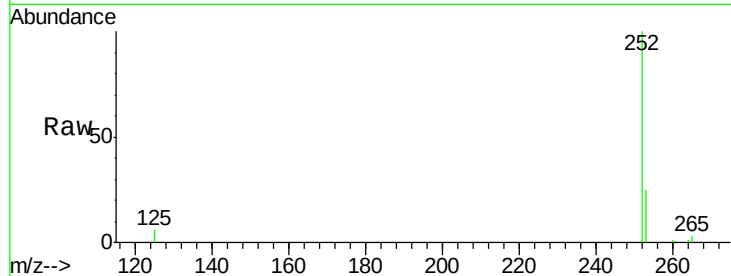
#36
Benzo(k)fluoranthene
Concen: 0.788 ng m
RT: 22.97 min Scan# 1947
Delta R.T. 0.00 min
Lab File: BE100275.D
Acq: 1 Jul 2019 20:54

Instrument :
BNA_E
ClientSampleId :
EXT-013-SW161-061319DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	6.2	5.0	7.4

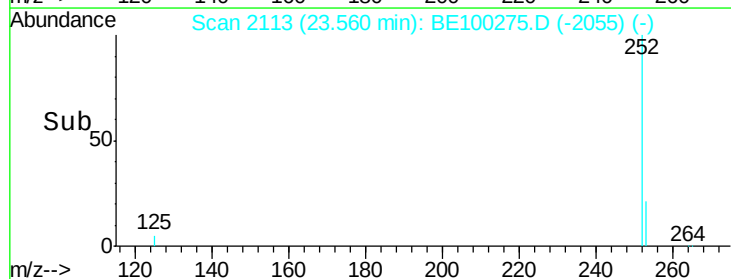
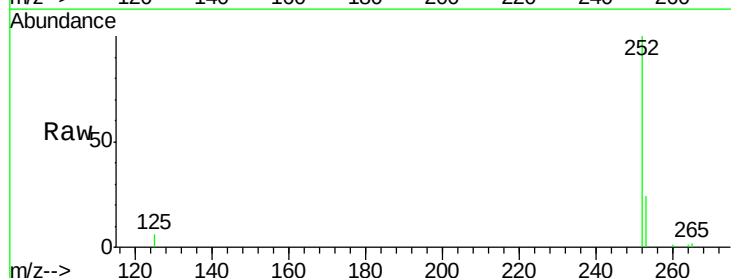
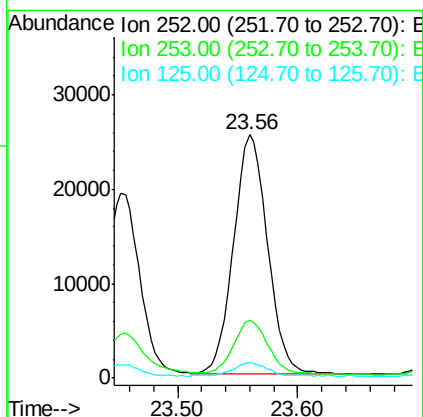
Manual Integrations
APPROVED

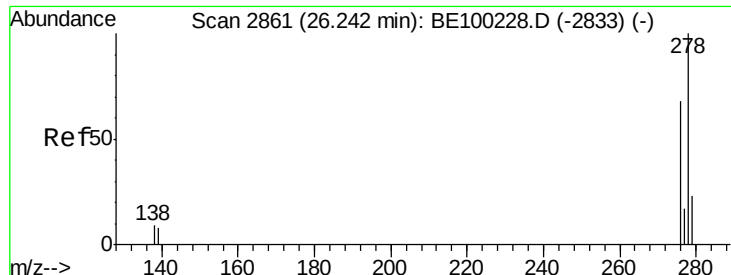
mohammad
7/3/2019 9:48:13 AM



#37
Benzo(a)pyrene
Concen: 1.763 ng m
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100275.D
Acq: 1 Jul 2019 20:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.6	29.4
125	6.2	9.0	13.6





#38

Dibenzo(a,h)anthracene

Concen: 0.340 ng

RT: 26.23 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BE100275.D

Acq: 1 Jul 2019 20:54

Instrument :

BNA_E

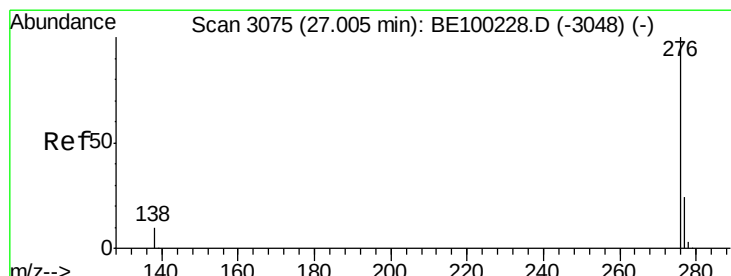
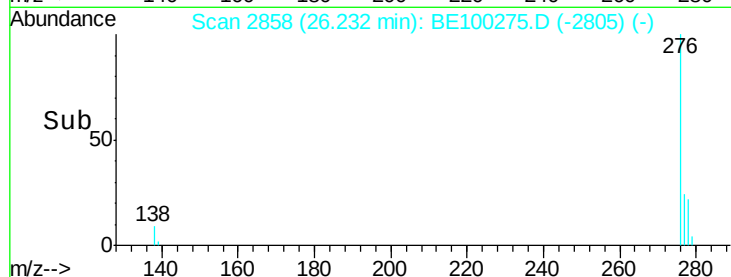
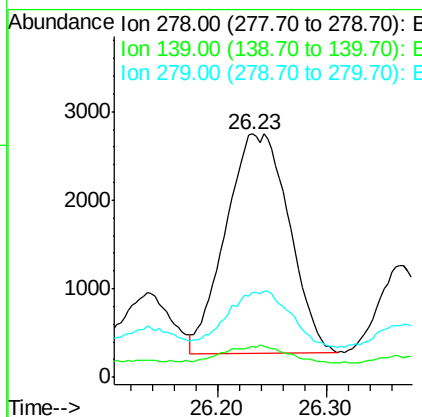
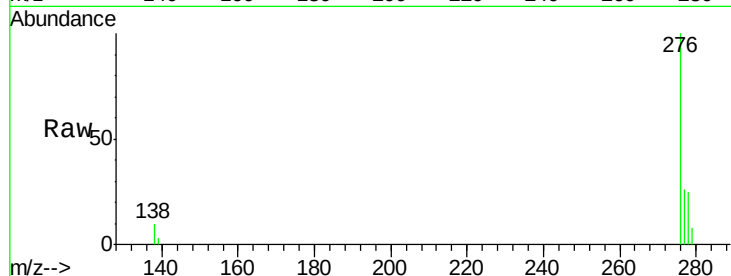
ClientSampleId :

EXT-013-SW161-061319DL

Tot Ion:	278	Resp:	9965
Ion Ratio	Lower	Upper	
278	100		
139	12.7	8.2	12.2#
279	34.6	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/3/2019 9:48:13 AM



#39

Benzo(g,h,i)perylene

Concen: 1.244 ng

RT: 27.02 min Scan# 3079

Delta R.T. 0.01 min

Lab File: BE100275.D

Acq: 1 Jul 2019 20:54

Tgt Ion:	276	Resp:	37431
Ion Ratio	Lower	Upper	
276	100		
277	25.0	20.2	30.2
138	10.6	9.0	13.6

