

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100273.D
 Acq On : 1 Jul 2019 19:43
 Operator : JU/SJ
 Sample : K3428-12DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW156-061319DL

Manual Integrations
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mohammad
 7/3/2019 9:48:04 AM

Quant Time: Jul 02 03:44:38 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	815	0.40	ng	0.00
7) Naphthalene-d8	10.44	136	3018	0.40	ng	0.00
13) Acenaphthene-d10	14.31	164	2401	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6749	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8848	0.40	ng	0.00
34) Perylene-d12	23.67	264	9950	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	68	0.03	ng	0.01
5) Phenol-d6	6.85	99	84	0.03	ng	0.01
8) Nitrobenzene-d5	8.83	82	98	0.03	ng	0.01
11) 2-Methylnaphthalene-d10	12.05	152	226	0.04	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	43	0.03	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	255	0.03	ng	0.00
25) Fluoranthene-d10	19.10	212	3042	0.03	ng	0.00
29) Terphenyl-d14	19.70	244	1375	0.07	ng	0.00
Target Compounds						
9) Naphthalene	10.48	128	1317	0.040	ng	# 85
12) 2-Methylnaphthalene	12.12	142	265	0.045	ng	# 89
16) Acenaphthylene	14.04	152	1722	0.149	ng	# 95
17) Acenaphthene	14.39	154	668	0.102	ng	# 97
18) Fluorene	15.35	166	1044	0.108	ng	# 94
23) Phenanthrene	17.09	178	31308	1.914	ng	# 99
24) Anthracene	17.19	178	4061	0.276	ng	# 93
26) Fluoranthene	19.13	202	54831	2.104	ng	# 99
28) Pyrene	19.49	202	98672	4.212	ng	# 94
30) Benzo(a)anthracene	21.23	228	52758	1.813	ng	# 97
31) Chrysene	21.28	228	61678	2.111	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.23	276	20638	0.534	ng	# 97
35) Benzo(b)fluoranthene	22.93	252	40368m	1.496	ng	# 97
36) Benzo(k)fluoranthene	22.96	252	15776m	0.524	ng	# 97
37) Benzo(a)pyrene	23.56	252	41550m	1.537	ng	# 97
38) Dibenzo(a,h)anthracene	26.24	278	7268	0.257	ng	# 87
39) Benzo(a,h,i)perylene	27.02	276	25568	0.881	ng	# 100

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

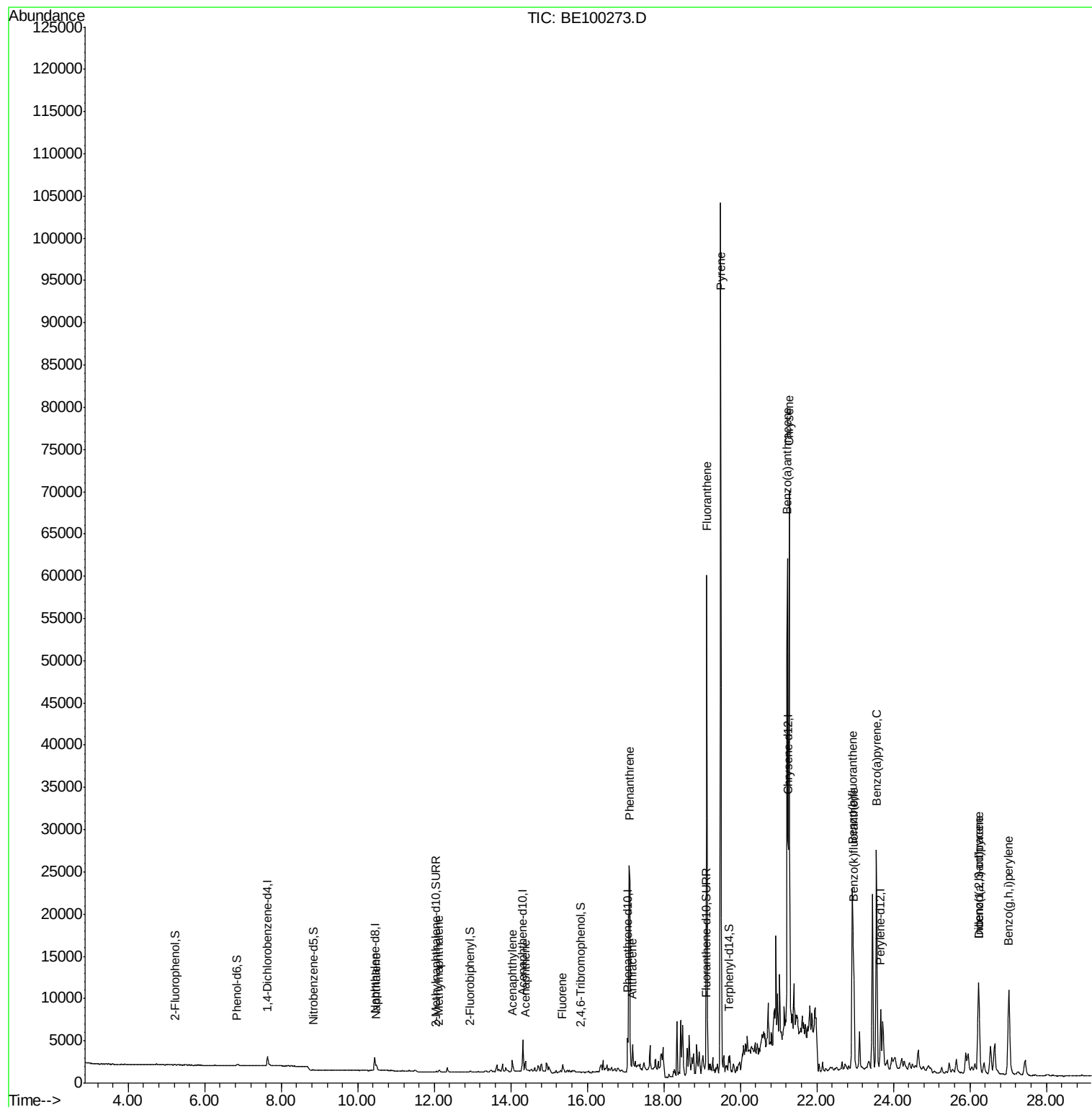
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
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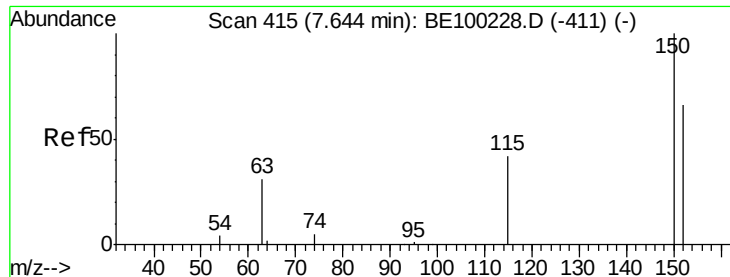
Instrument :
BNA_E
ClientSampleId :
EXT-084-SW156-061319DL

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Quant Time: Jul 02 03:44:38 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

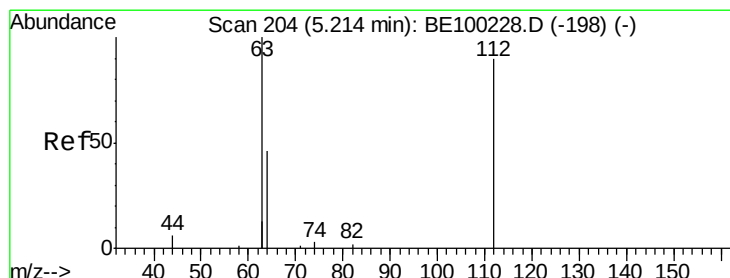
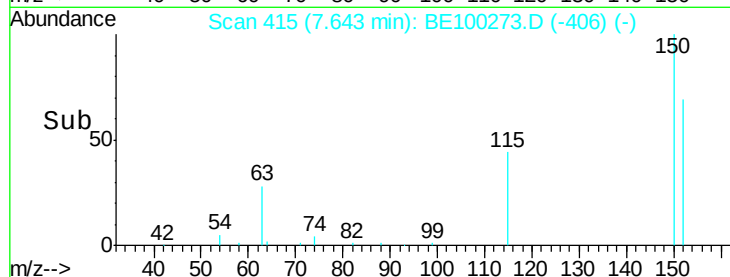
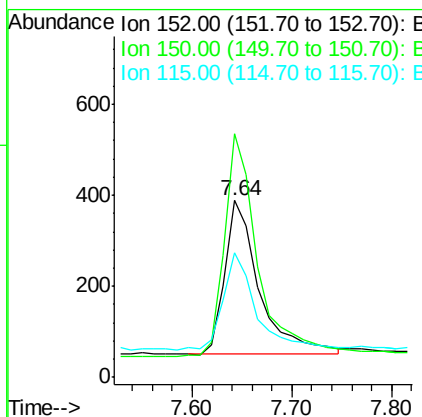
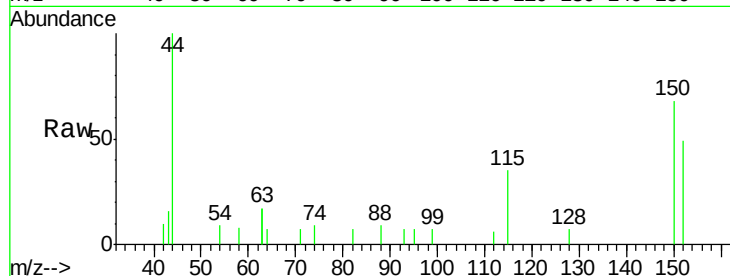
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100273.D
Acq: 1 Jul 2019 19:43

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW156-061319DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	137.9	114.5	171.7
115	70.4	57.1	85.7

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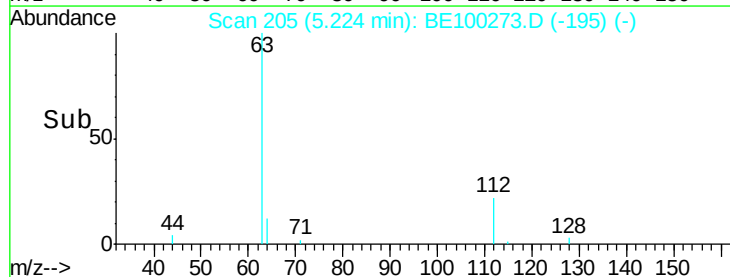
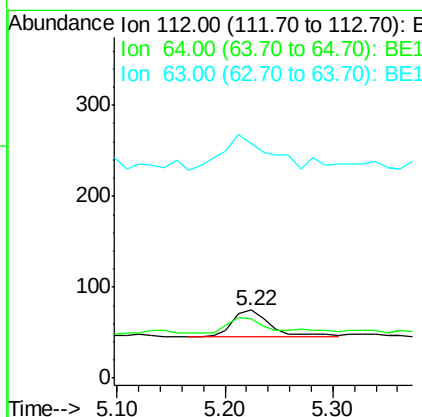
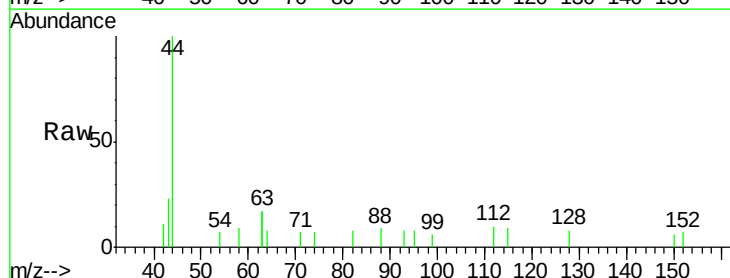
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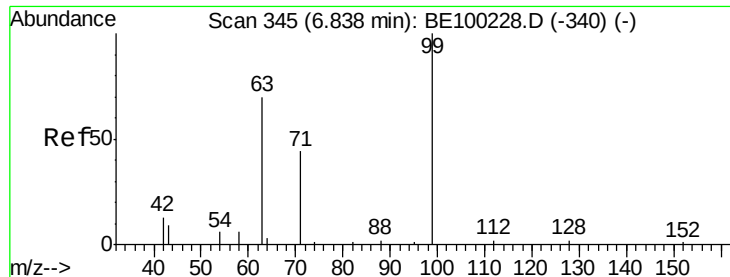


#4

2-Fluorophenol
Concen: 0.033 ng
RT: 5.22 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100273.D
Acq: 1 Jul 2019 19:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.5	39.4	59.0
63	172.1	104.5	156.7





#5

Phenol-d6

Concen: 0.031 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.01 min

Lab File: BE100273.D

Acq: 1 Jul 2019 19:43

Instrument :

BNA_E

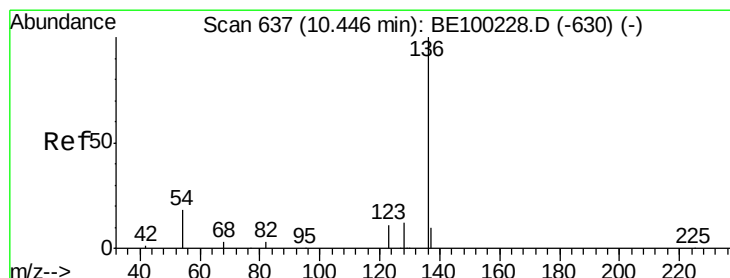
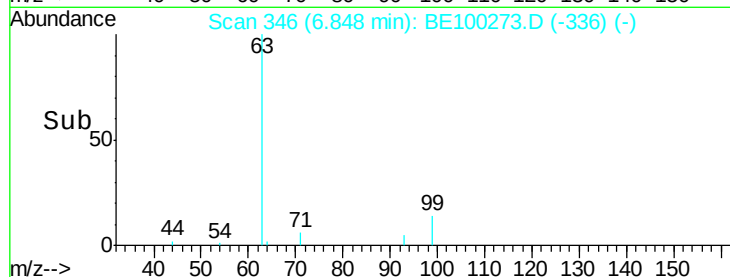
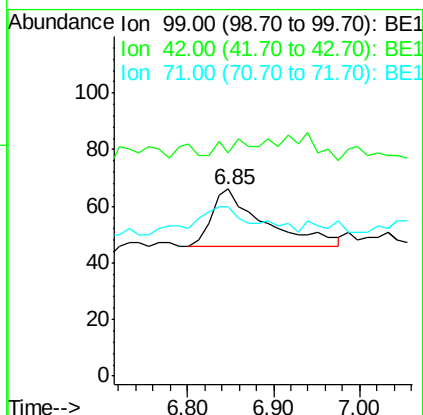
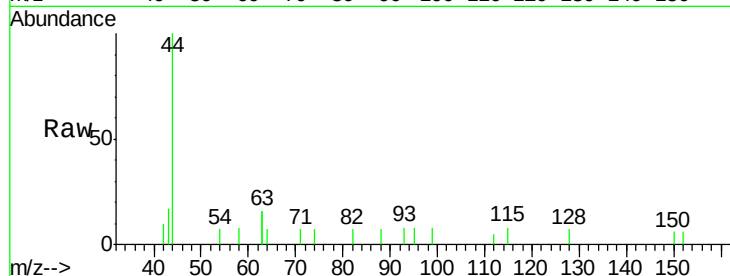
ClientSampleId :

EXT-084-SW156-061319DL

Tot Ion:	99	Resp:	84
Ion	Ratio	Lower	Upper
99	100		
42	14.3	11.2	16.8
71	0.0	37.2	55.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

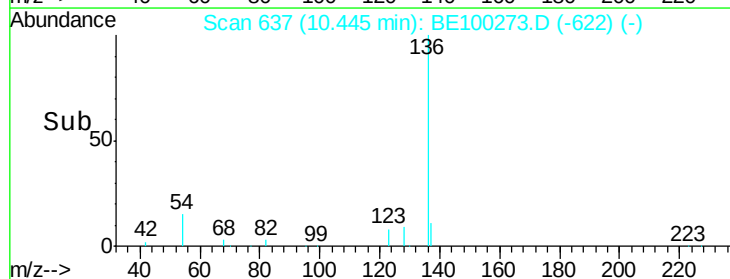
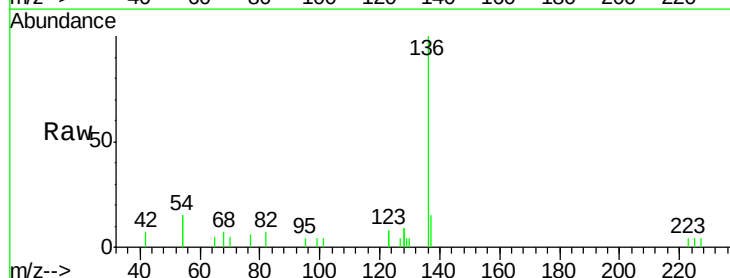
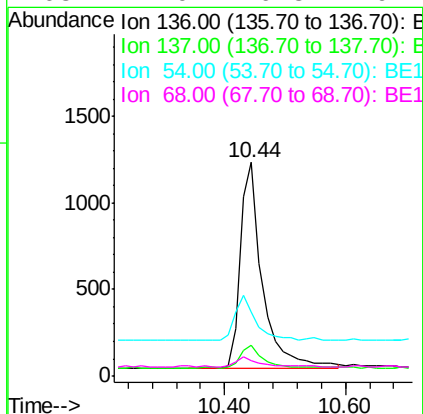
RT: 10.44 min Scan# 637

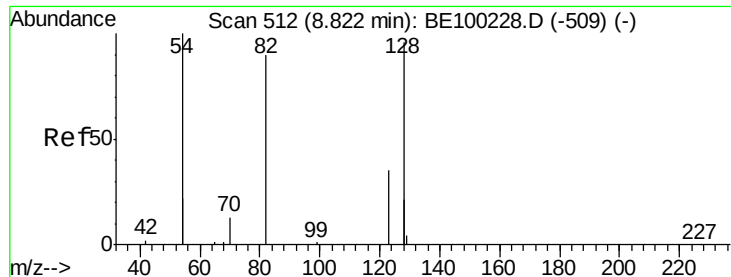
Delta R.T. -0.00 min

Lab File: BE100273.D

Acq: 1 Jul 2019 19:43

Tgt Ion:	136	Resp:	3018
Ion	Ratio	Lower	Upper
136	100		
137	14.6	11.8	17.8
54	29.8	27.7	41.5
68	7.0	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.033 ng

RT: 8.83 min Scan# 513

Delta R.T. 0.01 min

Lab File: BE100273.D

Acq: 1 Jul 2019 19:43

Instrument :

BNA_E

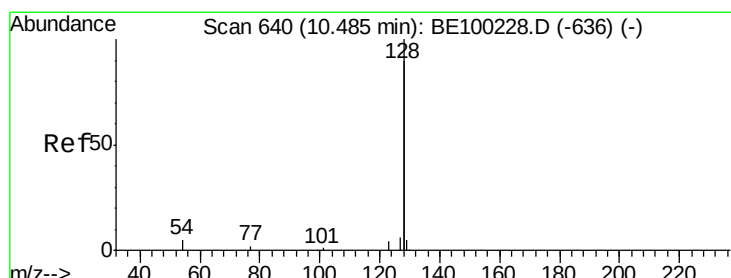
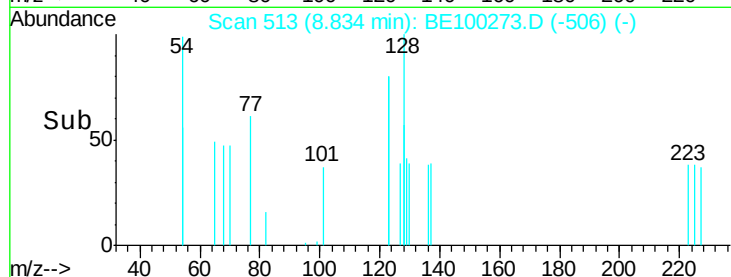
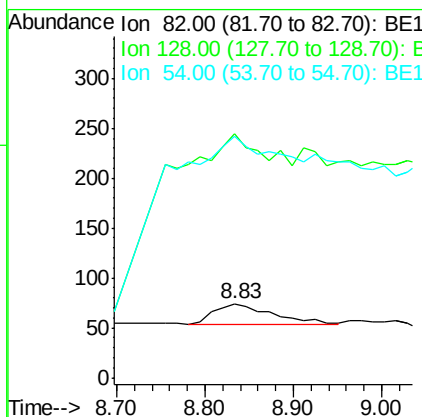
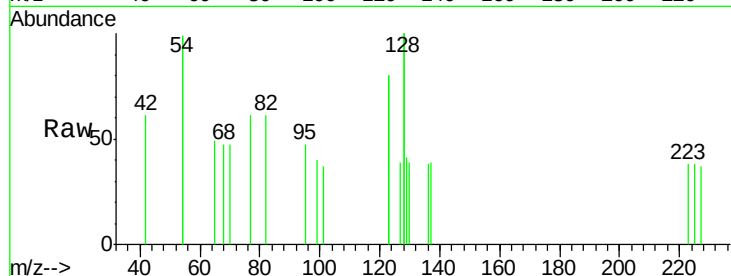
ClientSampleId :

EXT-084-SW156-061319DL

Tot Ion:	82	Resp:	98
Ion	Ratio	Lower	Upper
82	100		
128	329.7	140.9	211.3#
54	327.0	146.2	219.2#

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#9

Naphthalene

Concen: 0.040 ng

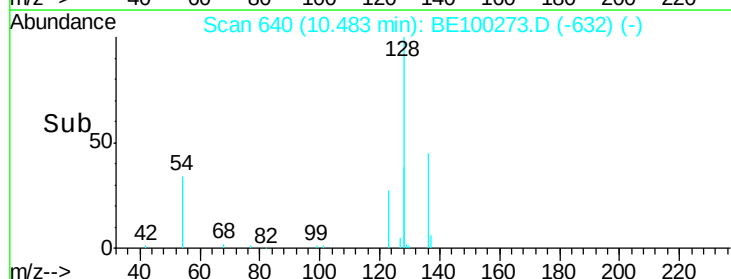
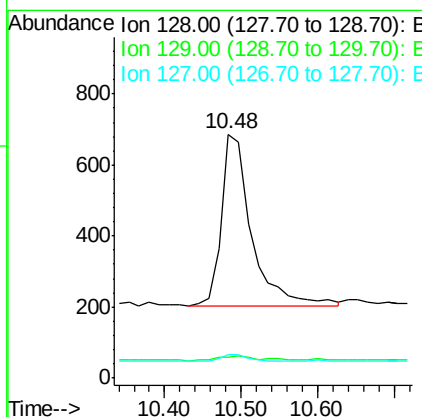
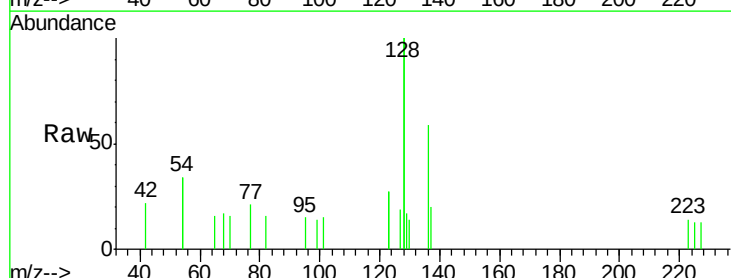
RT: 10.48 min Scan# 640

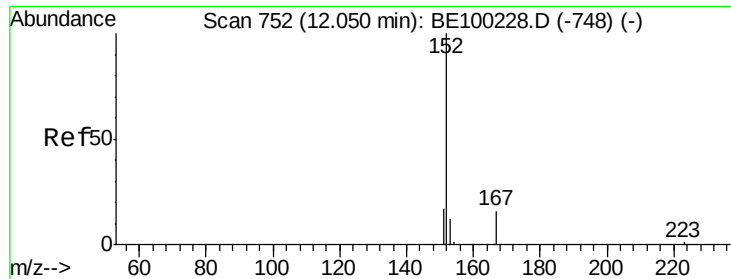
Delta R.T. -0.00 min

Lab File: BE100273.D

Acq: 1 Jul 2019 19:43

Tgt Ion:	128	Resp:	1317
Ion	Ratio	Lower	Upper
128	100		
129	8.7	3.0	4.6#
127	9.5	3.5	5.3#





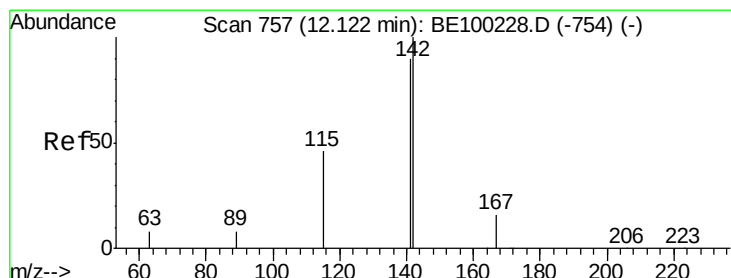
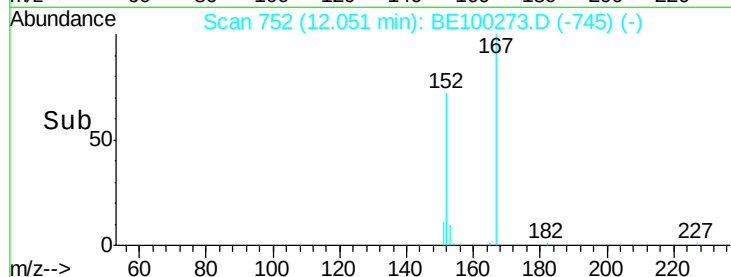
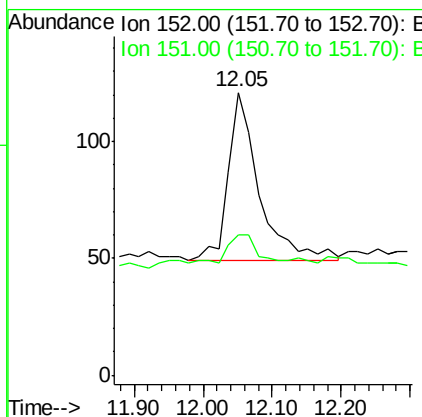
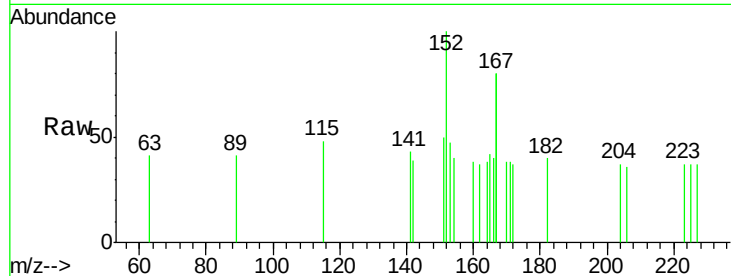
#11
2-Methylnaphthalene-d10
Concen: 0.040 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100273.D
Acq: 1 Jul 2019 19:43

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW156-061319DL

Tot Ion:152 Resp: 226
Ion Ratio Lower Upper
152 100
151 11.9 15.1 22.7#

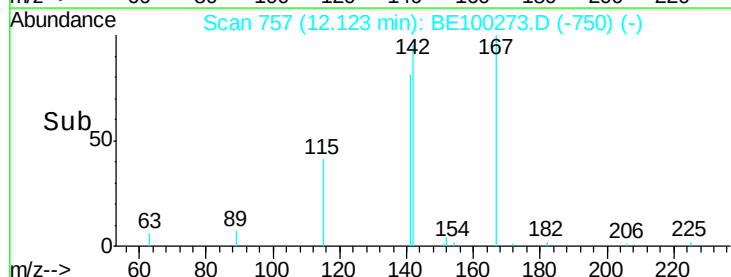
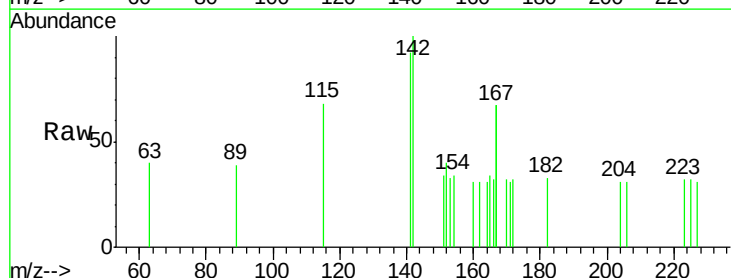
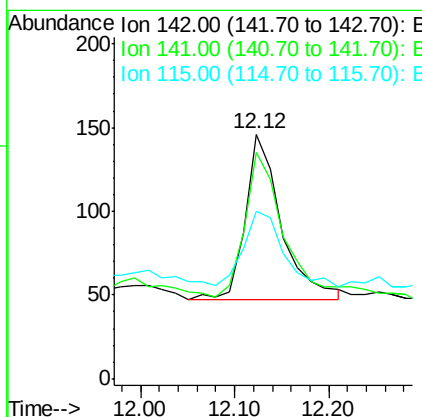
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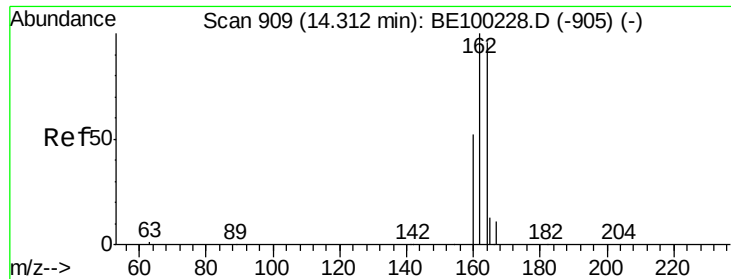
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#12
2-Methylnaphthalene
Concen: 0.045 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100273.D
Acq: 1 Jul 2019 19:43

Tgt Ion:142 Resp: 265
Ion Ratio Lower Upper
142 100
141 92.5 72.4 108.6
115 68.5 40.4 60.6#





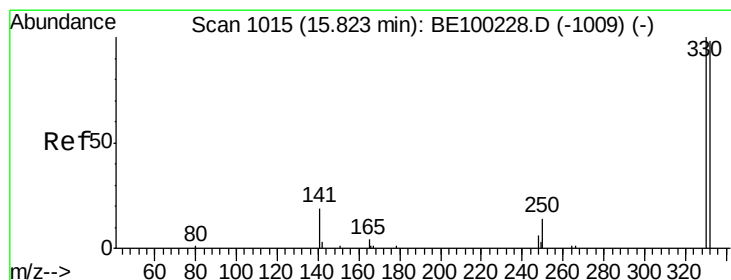
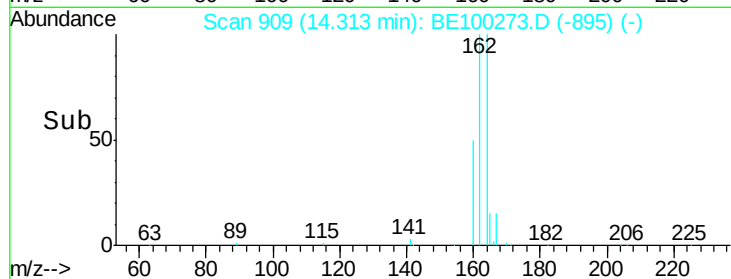
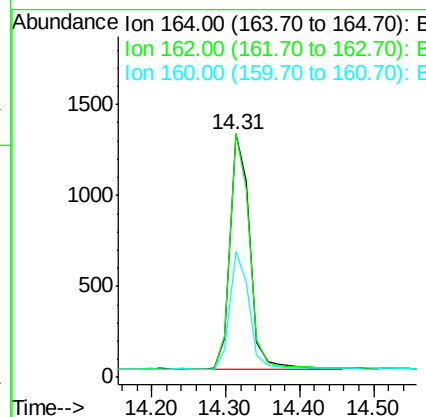
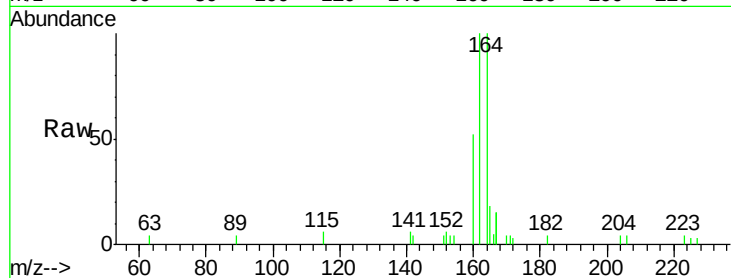
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100273.D
Acq: 1 Jul 2019 19:43

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW156-061319DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.9	83.4	125.0
160	51.6	45.0	67.6

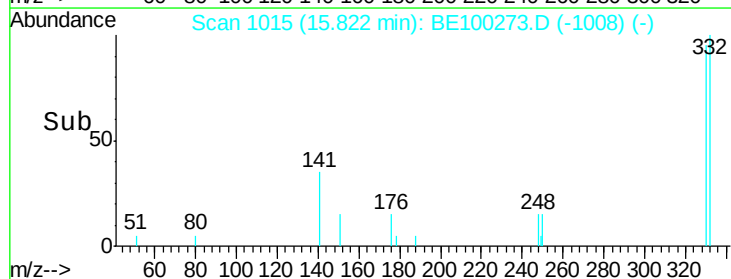
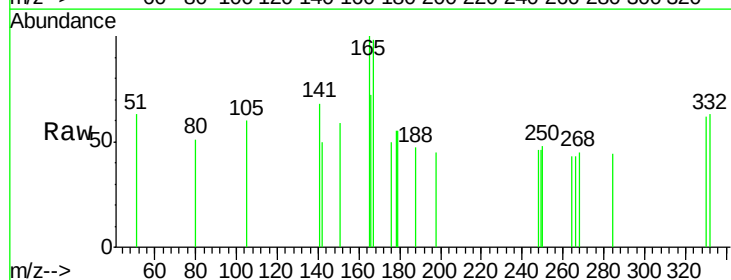
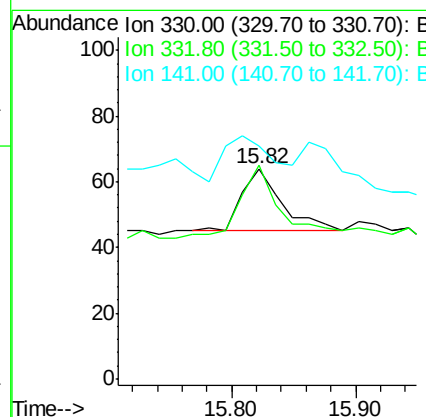
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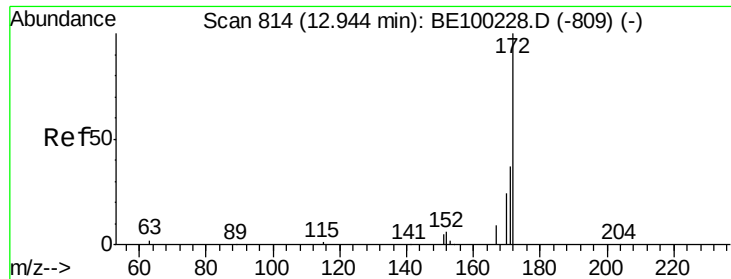
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#14
2,4,6-Tribromophenol
Concen: 0.026 ng
RT: 15.82 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BE100273.D
Acq: 1 Jul 2019 19:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	127.9	77.0	115.4#
141	88.4	22.0	33.0#





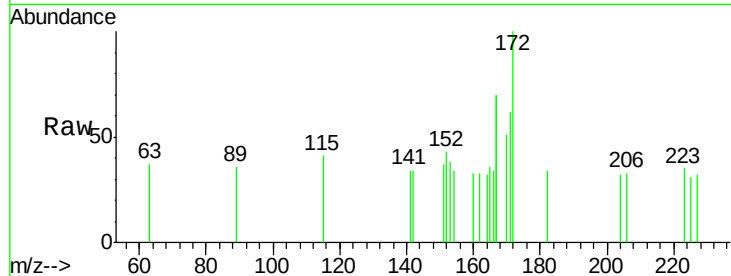
#15
2-Fluorobiphenyl
Concen: 0.027 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100273.D
Acq: 1 Jul 2019 19:43

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW156-061319DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	62.1	31.9	47.9#
170	51.4	22.2	33.2#

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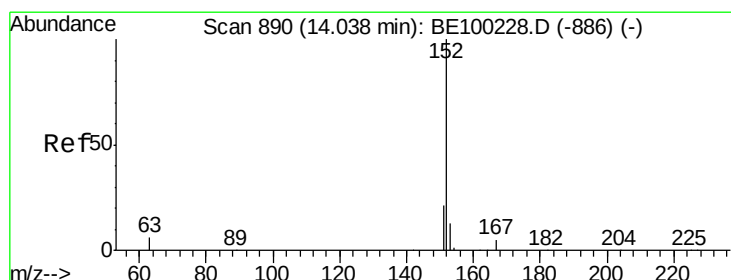
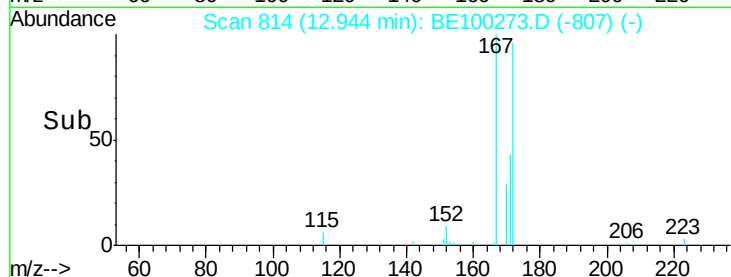
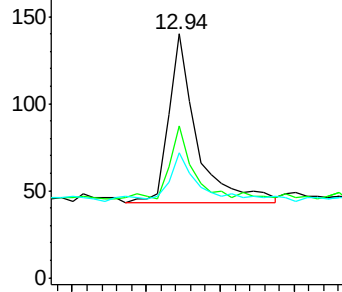


Abundance

Ion 172.00 (171.70 to 172.70): E

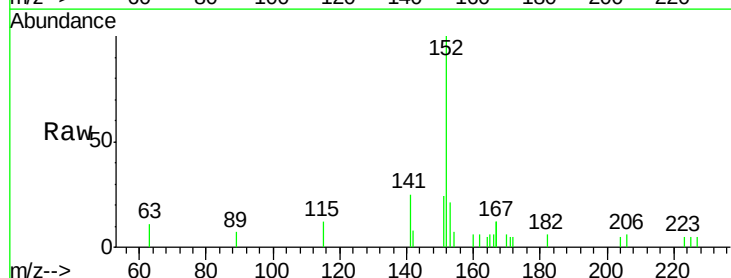
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.149 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100273.D
Acq: 1 Jul 2019 19:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.6	25.0
153	17.5	10.5	15.7#

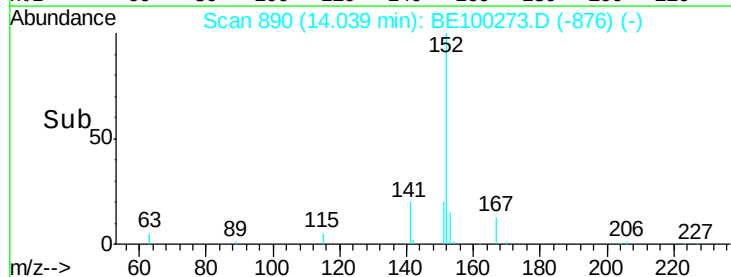
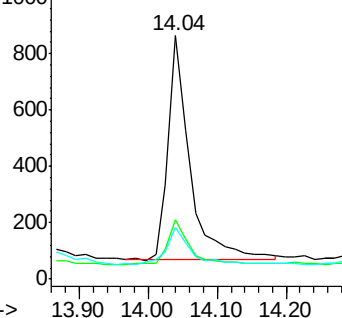


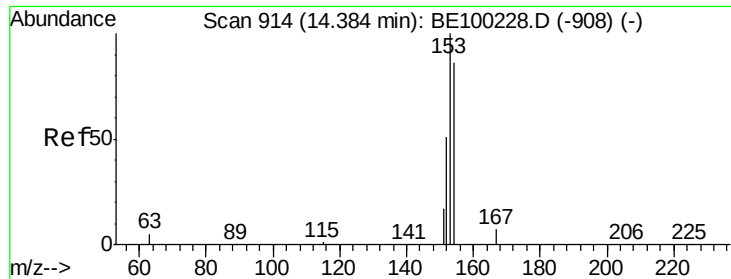
Abundance

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





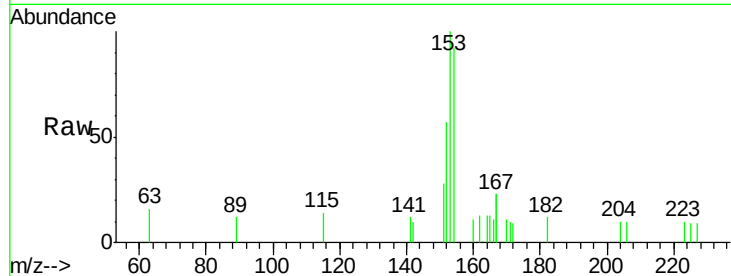
#17
Acenaphthene
Concen: 0.102 ng
RT: 14.39 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100273.D
Acq: 1 Jul 2019 19:43

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW156-061319DL

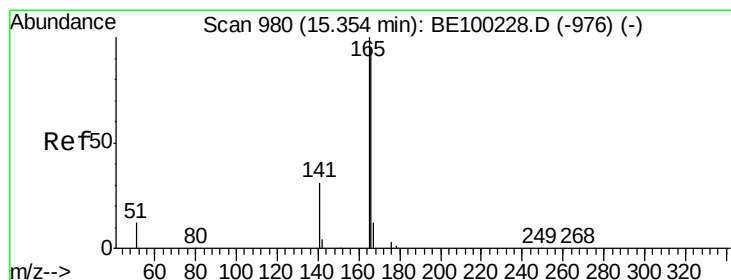
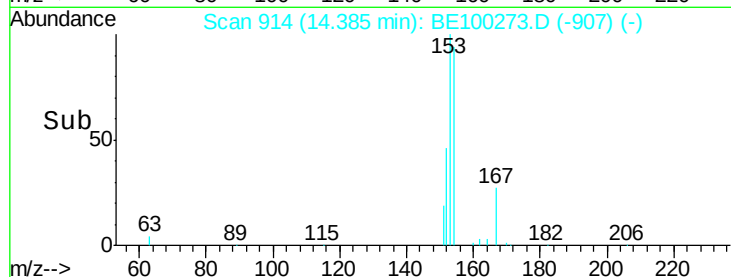
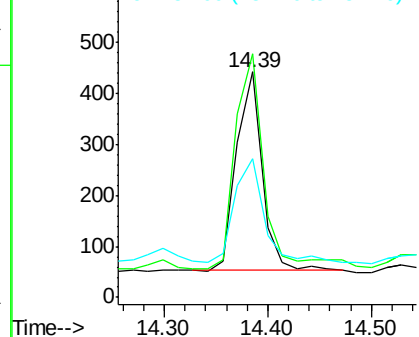
Tot Ion	Ratio	Lower	Upper
154	100		
153	122.0	93.4	140.2
152	61.5	49.4	74.2

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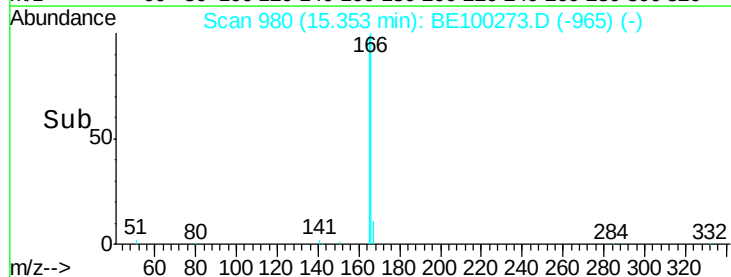
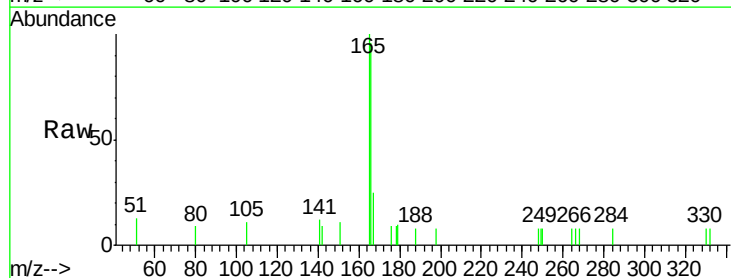
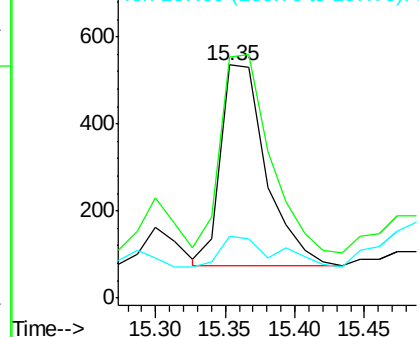
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

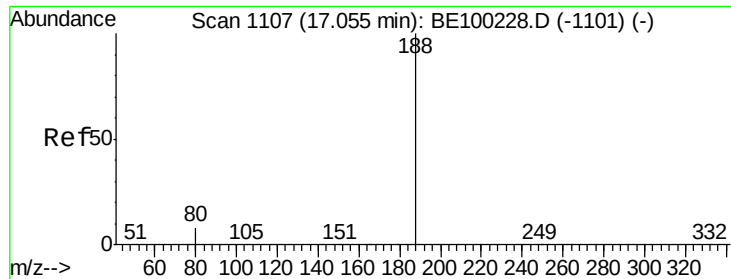


#18
Fluorene
Concen: 0.108 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100273.D
Acq: 1 Jul 2019 19:43

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.0	81.1	121.7
167	19.0	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





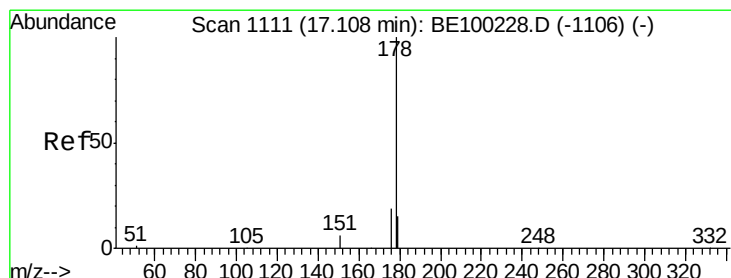
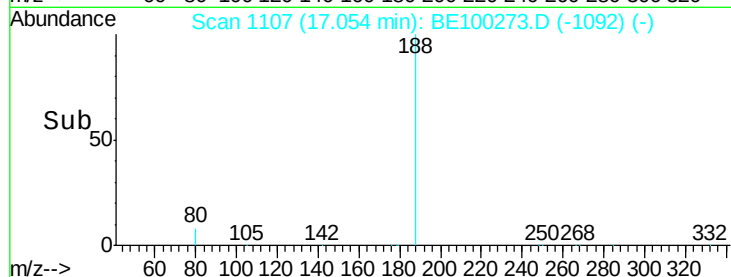
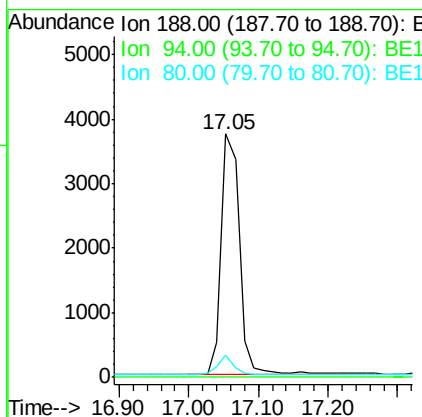
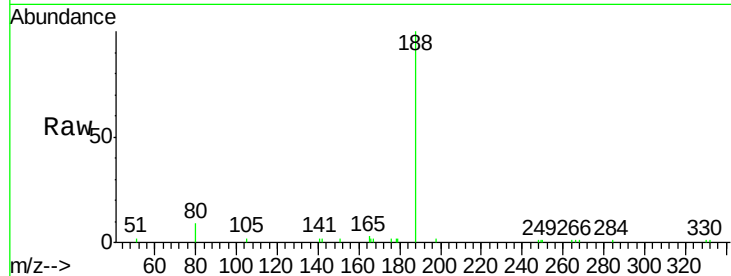
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100273.D
Acq: 1 Jul 2019 19:43

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW156-061319DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	6749		
94	0.0	0.0	0.0	0.0
80	9.2	7.6	11.4	

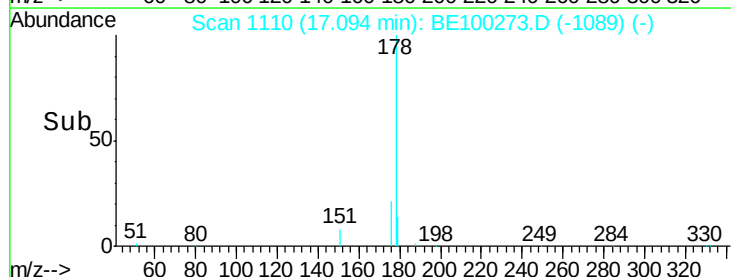
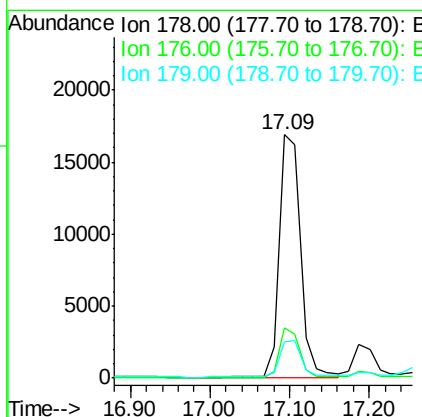
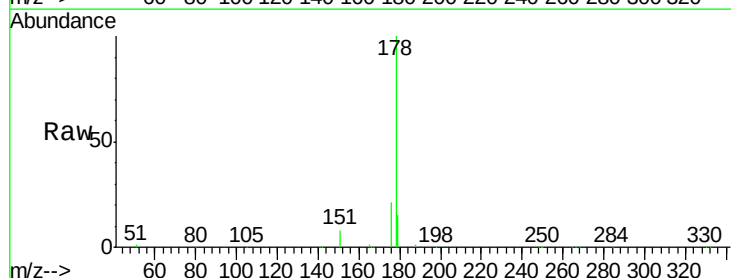
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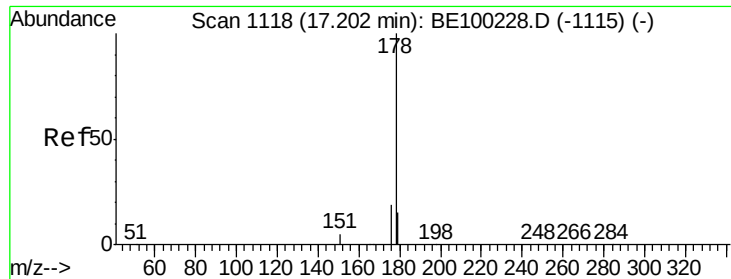
mohammad
7/3/2019 9:48:04 AM



#23
Phenanthrene
Concen: 1.914 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100273.D
Acq: 1 Jul 2019 19:43

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	31308		
176	19.6	15.9	23.9	
179	15.4	12.2	18.2	





#24

Anthracene

Concen: 0.276 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100273.D

Acq: 1 Jul 2019 19:43

Instrument :

BNA_E

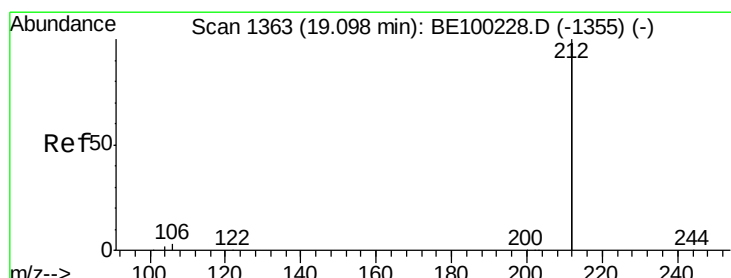
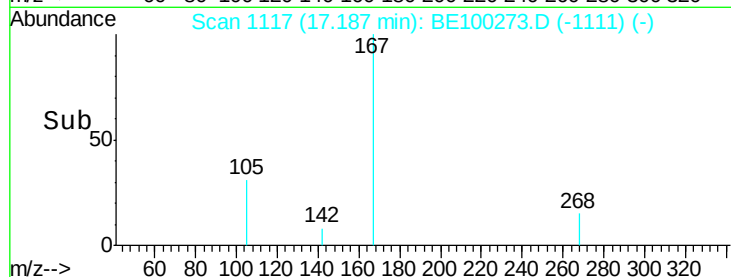
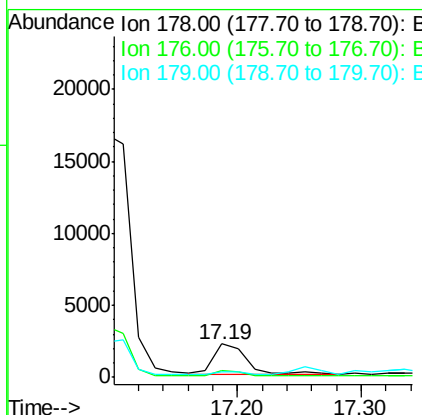
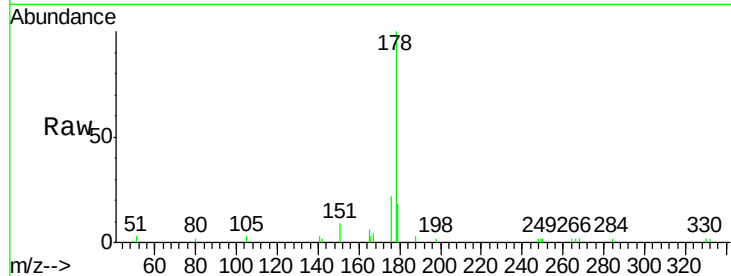
ClientSampleId :

EXT-084-SW156-061319DL

Tot Ion:	178	Resp:	4061
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.3	22.9
179	10.1	12.2	18.2#

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#25

Fluoranthene-d10

Concen: 0.031 ng

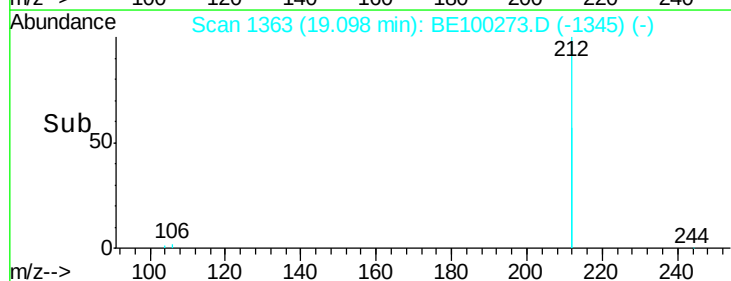
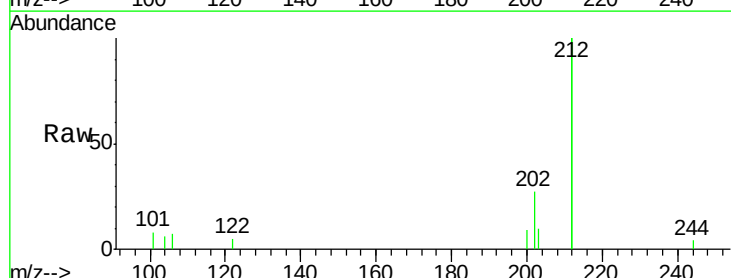
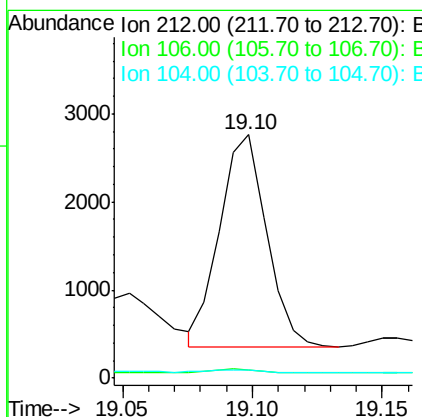
RT: 19.10 min Scan# 1363

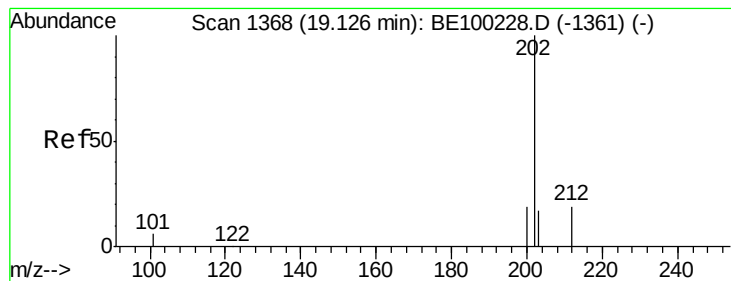
Delta R.T. 0.00 min

Lab File: BE100273.D

Acq: 1 Jul 2019 19:43

Tgt Ion:	212	Resp:	3042
Ion Ratio	Lower	Upper	
212	100		
106	1.5	1.3	1.9
104	1.2	0.8	1.2#





#26

Fluoranthene

Concen: 2.104 ng

RT: 19.13 min Scan# 1368

Delta R.T. 0.00 min

Lab File: BE100273.D

Acq: 1 Jul 2019 19:43

Instrument :

BNA_E

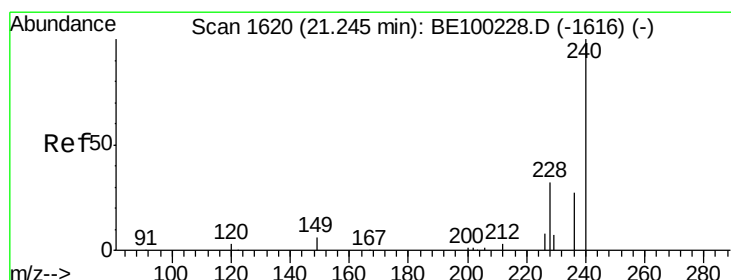
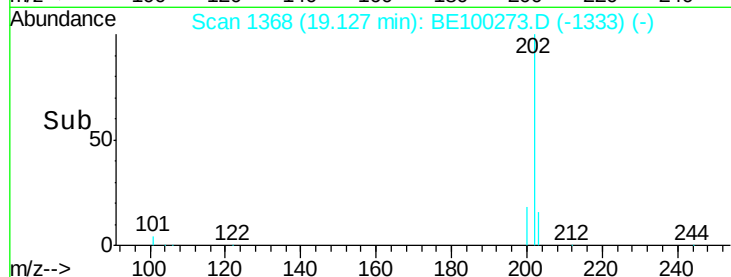
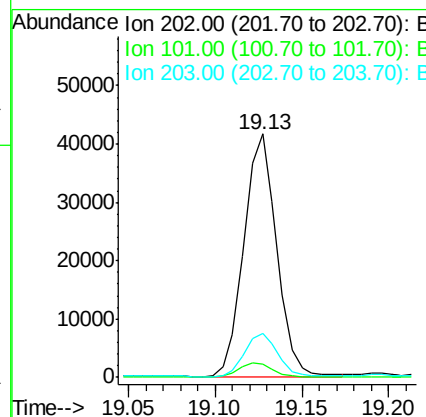
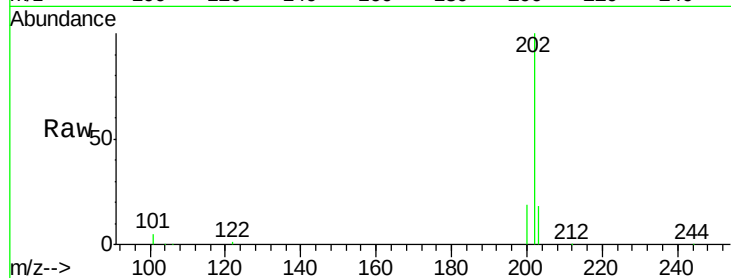
ClientSampleId :

EXT-084-SW156-061319DL

Tot Ion:	202	Resp:	54831
Ion Ratio	Lower	Upper	
202	100		
101	5.8	4.6	7.0
203	17.8	13.7	20.5

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#27

Chrysene-d12

Concen: 0.400 ng

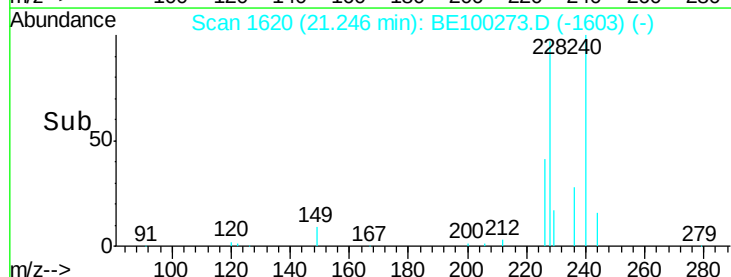
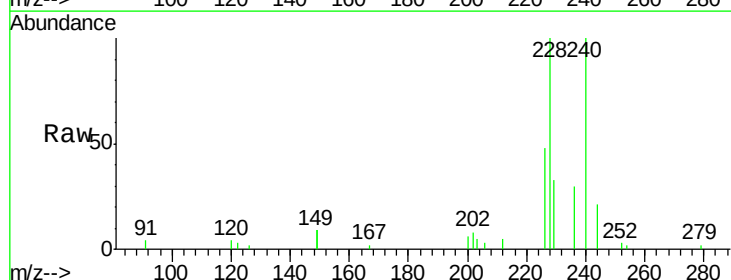
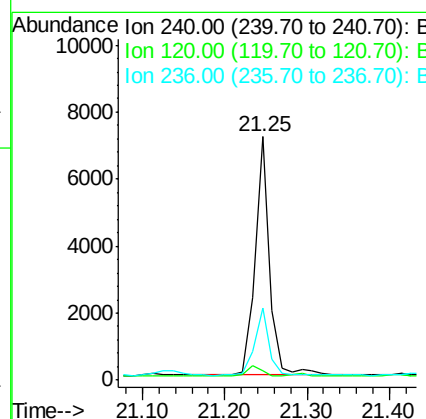
RT: 21.25 min Scan# 1620

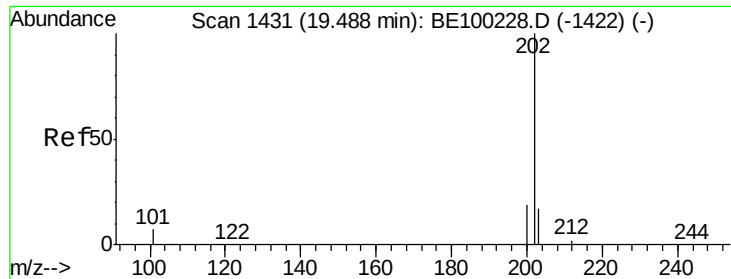
Delta R.T. 0.00 min

Lab File: BE100273.D

Acq: 1 Jul 2019 19:43

Tgt Ion:	240	Resp:	8848
Ion Ratio	Lower	Upper	
240	100		
120	3.9	3.3	4.9
236	29.8	22.6	34.0





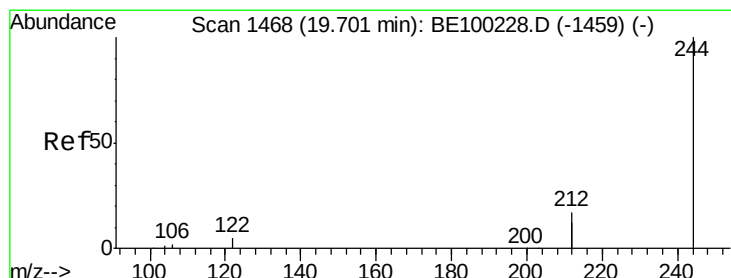
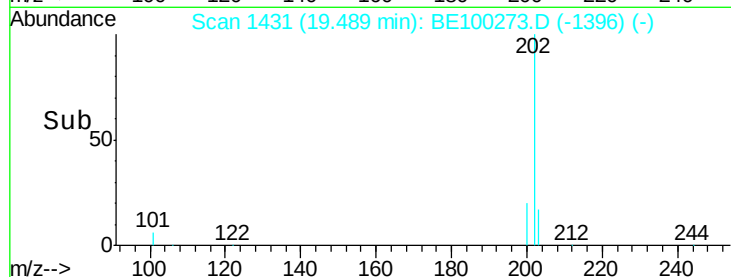
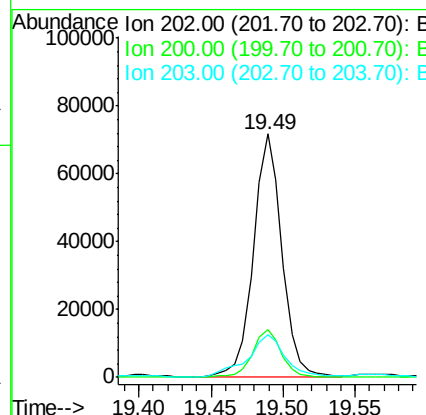
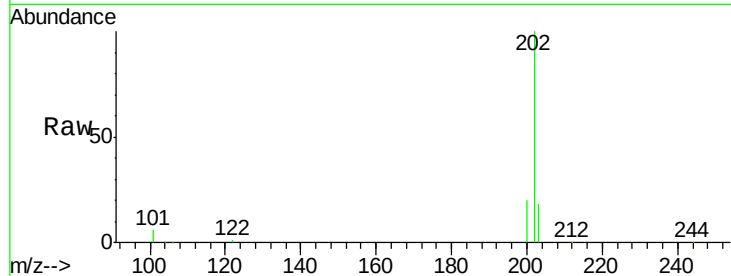
#28
Pvrene
Concen: 4.212 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100273.D
Acq: 1 Jul 2019 19:43

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW156-061319DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.7	15.6	23.4
203	22.5	14.0	21.0

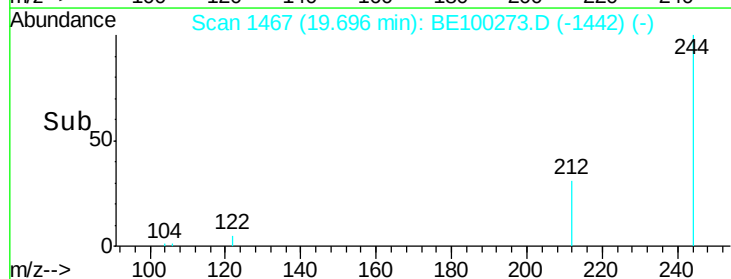
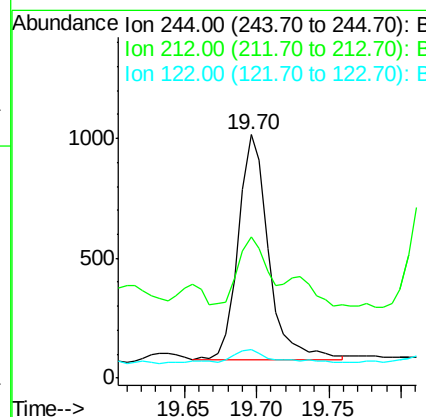
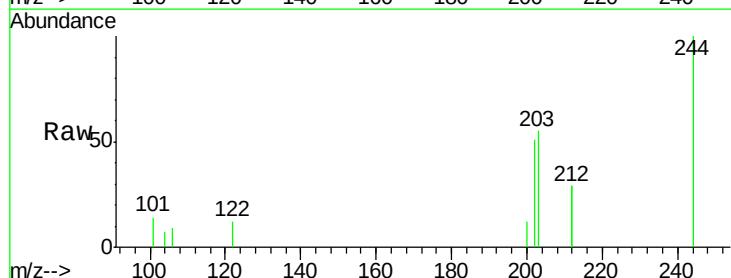
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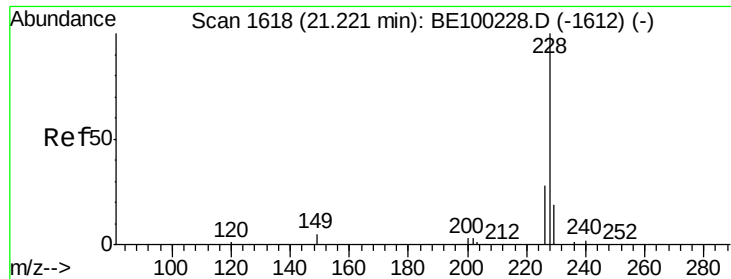
mohammad
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#29
Terphenyl-d14
Concen: 0.075 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BE100273.D
Acq: 1 Jul 2019 19:43

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	57.9	27.3	40.9
122	11.6	4.7	7.1





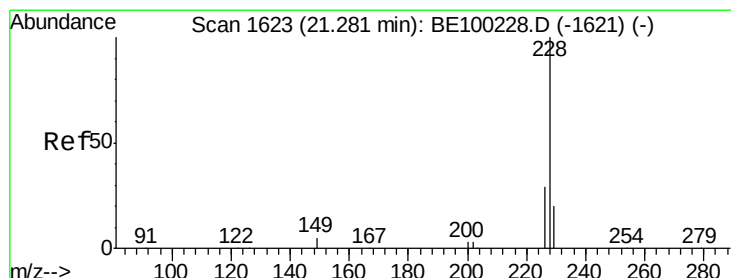
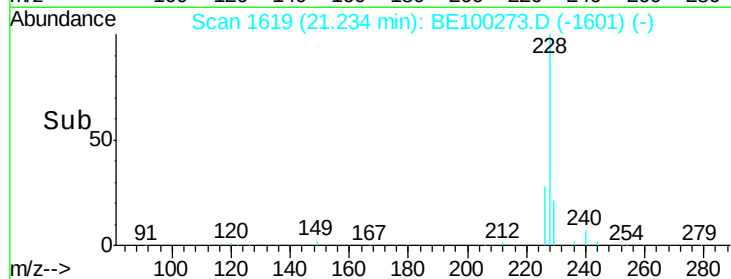
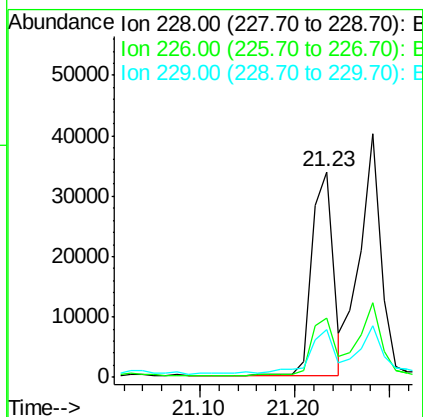
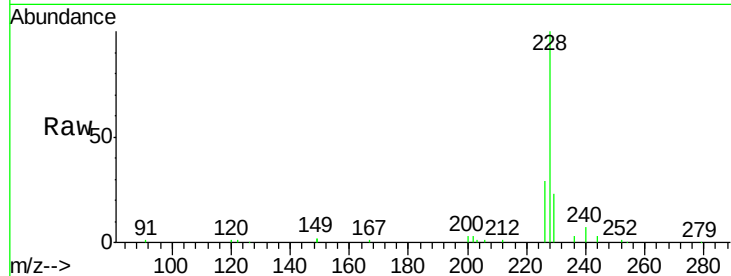
#30
Benzo(a)anthracene
Concen: 1.813 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100273.D
Acq: 1 Jul 2019 19:43

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW156-061319DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.2	34.8
229	23.3	15.7	23.5

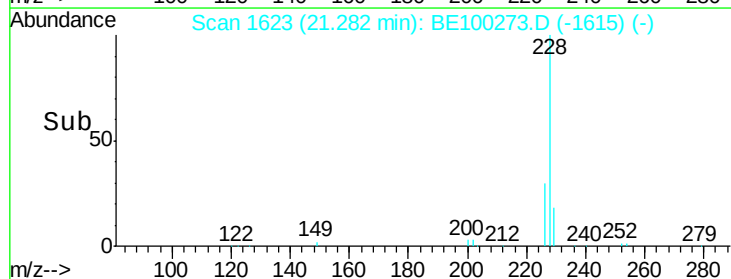
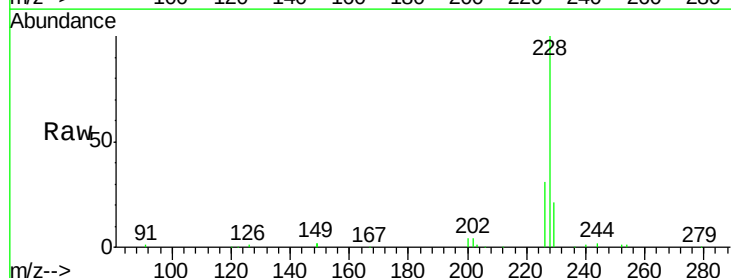
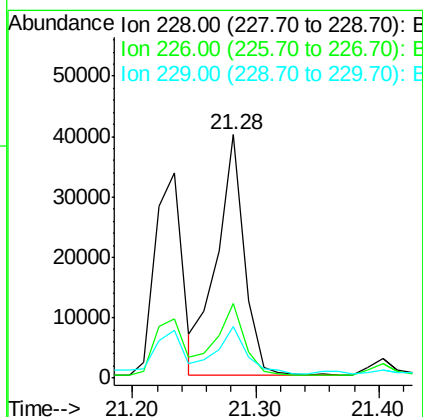
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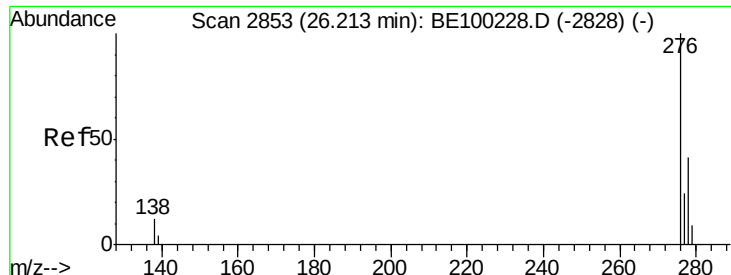
mohammad
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#31
Chrysene
Concen: 2.111 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100273.D
Acq: 1 Jul 2019 19:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.9	35.9
229	21.4	16.5	24.7





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.534 ng

RT: 26.23 min Scan# 2858

Delta R.T. 0.02 min

Lab File: BE100273.D

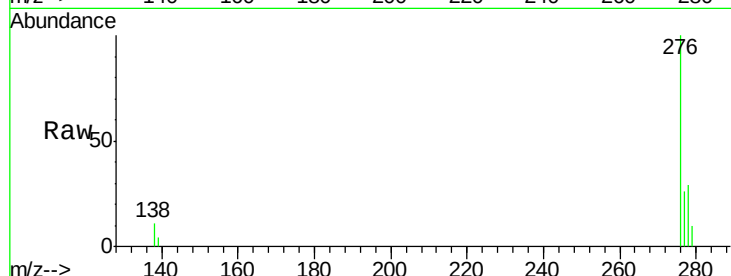
Acq: 1 Jul 2019 19:43

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW156-061319DL



Tot Ion:276 Resp: 20638

Ion Ratio Lower Upper

276 100

138 9.9 9.4 14.0

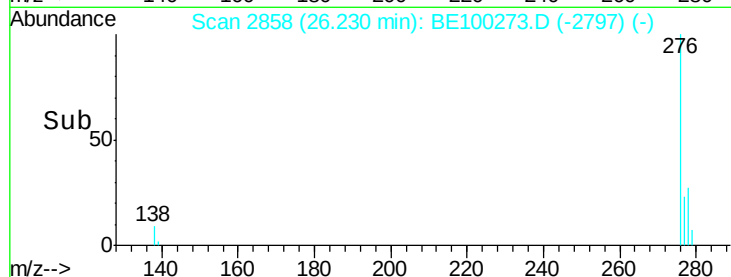
277 25.3 19.2 28.8

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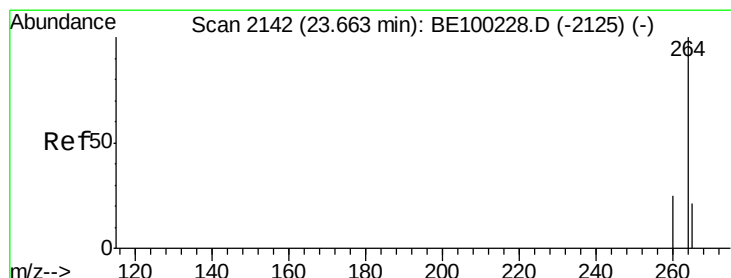
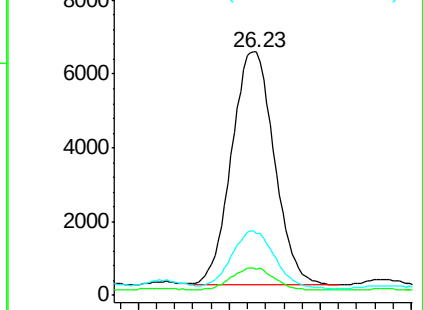
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.67 min Scan# 2144

Delta R.T. 0.01 min

Lab File: BE100273.D

Acq: 1 Jul 2019 19:43

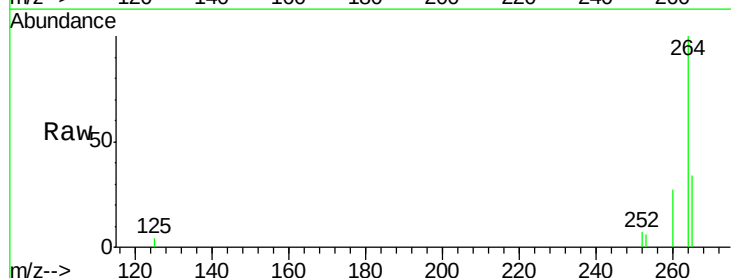
Tgt Ion:264 Resp: 9950

Ion Ratio Lower Upper

264 100

260 26.5 20.8 31.2

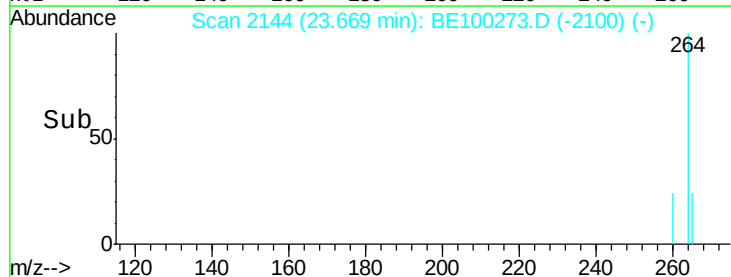
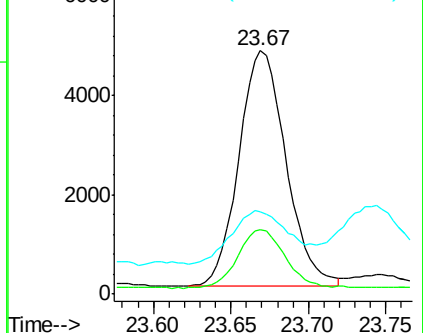
265 33.9 21.8 32.6#

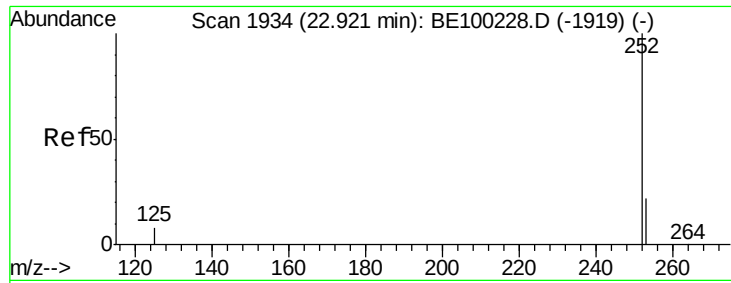


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





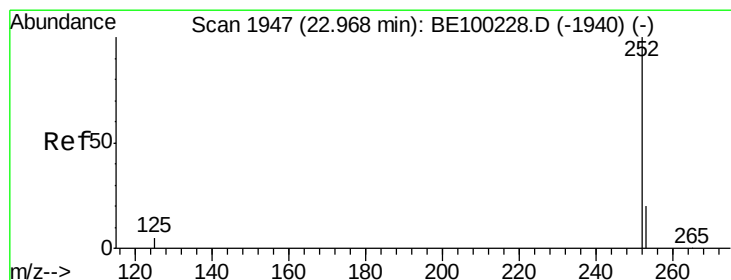
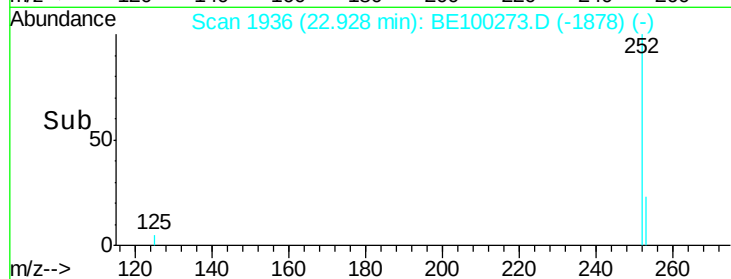
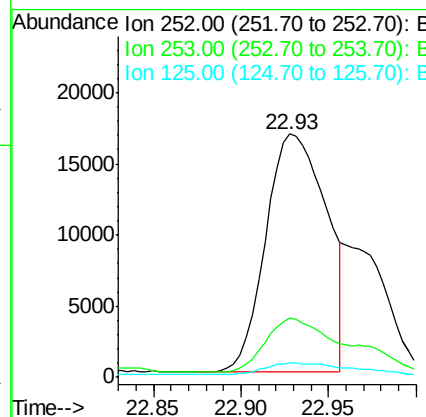
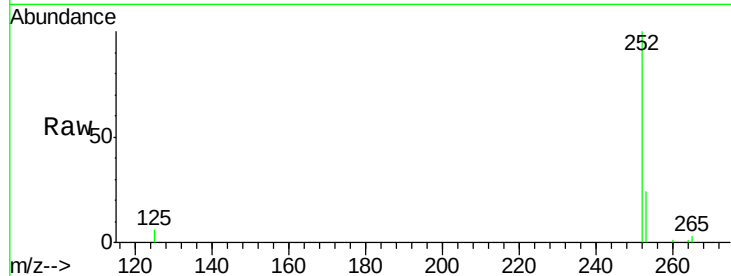
#35
Benzo(b)fluoranthene
Concen: 1.496 ng m
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100273.D
Acq: 1 Jul 2019 19:43

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW156-061319DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.2	28.8
125	5.8	7.4	11.0

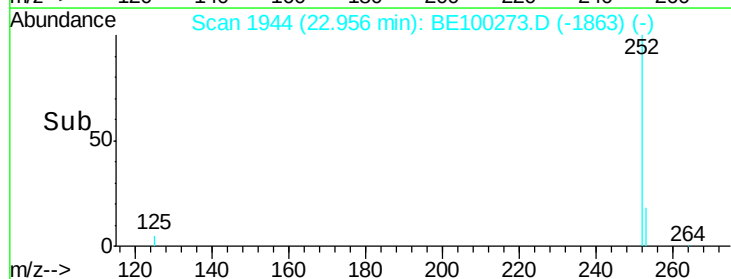
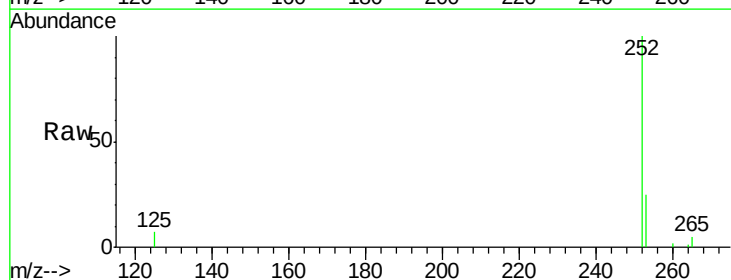
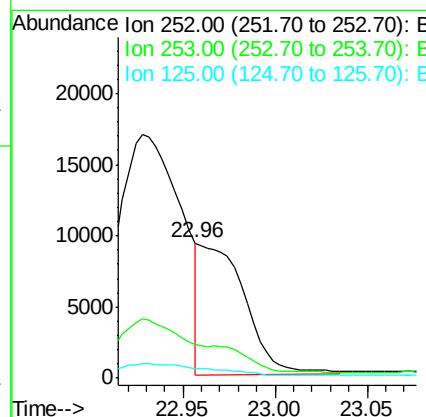
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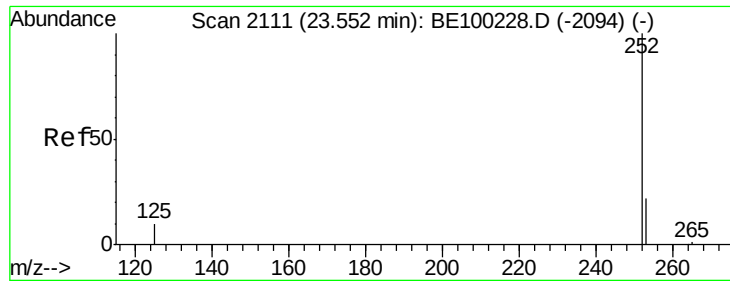
mohammad
7/3/2019 9:48:04 AM



#36
Benzo(k)fluoranthene
Concen: 0.524 ng m
RT: 22.96 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BE100273.D
Acq: 1 Jul 2019 19:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	7.3	5.0	7.4





#37

Benzo(a)pyrene

Concen: 1.537 ng/mL

RT: 23.56 min Scan# 2113

Delta R.T. 0.01 min

Lab File: BE100273.D

Acq: 1 Jul 2019 19:43

Instrument :

BNA_E

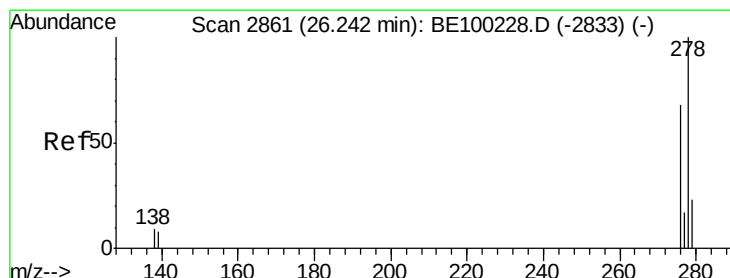
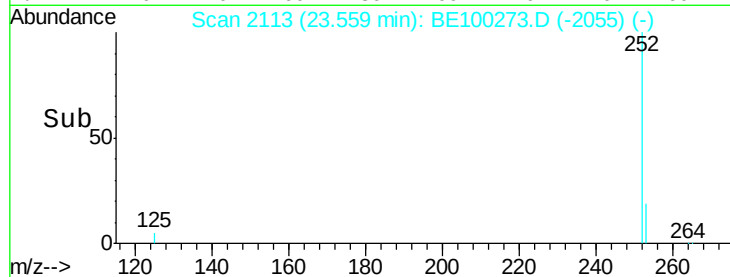
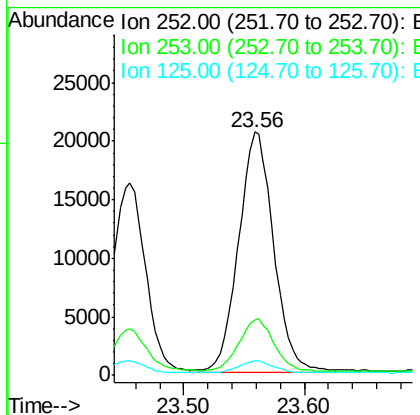
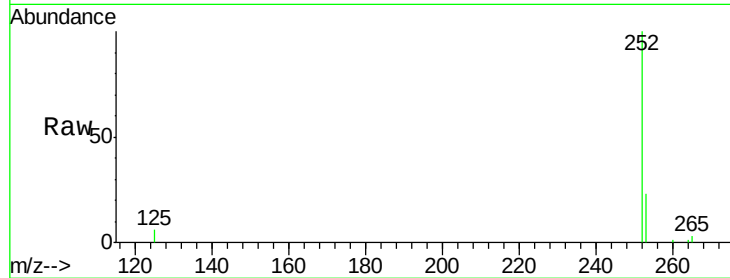
ClientSampleId :

EXT-084-SW156-061319DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.6	29.4
125	5.8	9.0	13.6

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#38

Dibenzo(a,h)anthracene

Concen: 0.257 ng

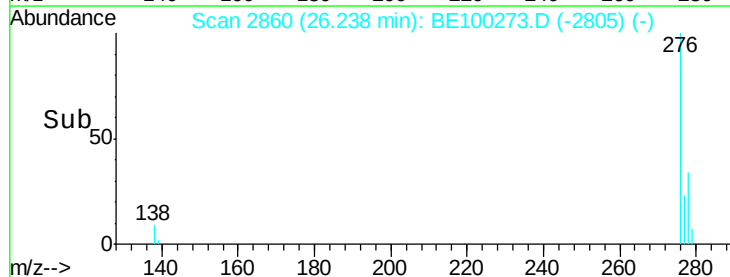
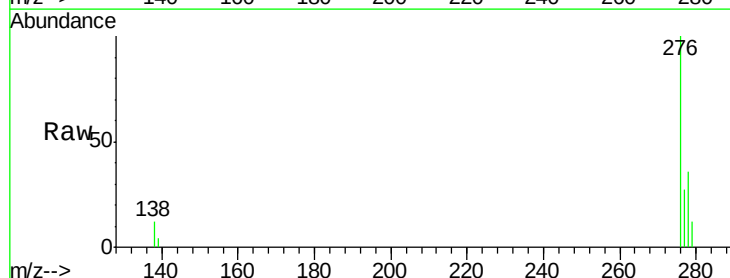
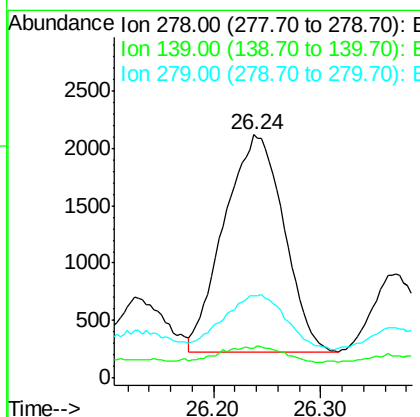
RT: 26.24 min Scan# 2860

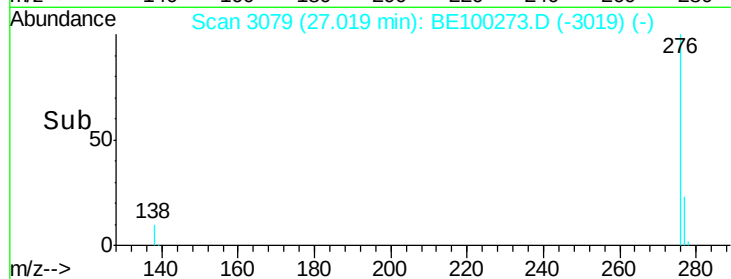
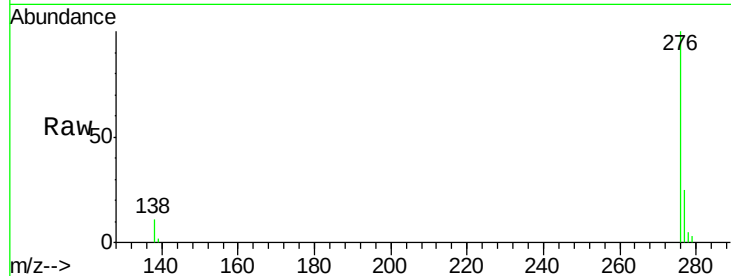
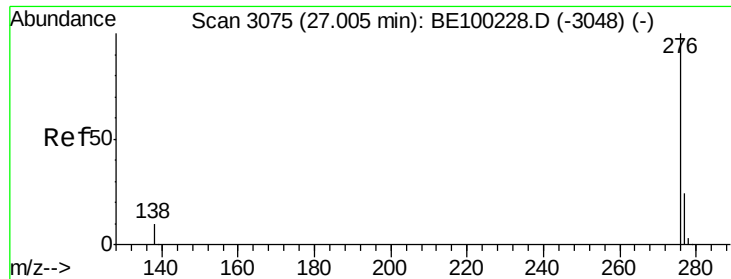
Delta R.T. -0.00 min

Lab File: BE100273.D

Acq: 1 Jul 2019 19:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.2	8.2	12.2
279	33.7	20.3	30.5





#39
 Benzo(a,h,i)perylene
 Concen: 0.881 ng
 RT: 27.02 min Scan# 3079
 Delta R.T. 0.01 min
 Lab File: BE100273.D
 Acq: 1 Jul 2019 19:43

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW156-061319DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.2	30.2
138	11.1	9.0	13.6

Manual Integrations
 APPROVED

mohammad
 7/3/2019 9:48:04 AM

