

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100340.D
 Acq On : 3 Jul 2019 22:06
 Operator : JU/SJ
 Sample : K3560-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW146-062419

Manual Integrations
 APPROVED

mohammad
 7/5/2019 8:54:25 AM

Quant Time: Jul 04 01:38:56 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	7.63	152	657	0.40	ng	-0.01
7) Naphthalene-d8	10.43	136	2165	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	1891	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	5963	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8061	0.40	ng	0.00
34) Perylene-d12	23.66	264	9529	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.20	112	668	0.40	ng	-0.01
5) Phenol-d6	6.82	99	799	0.36	ng	-0.01
8) Nitrobenzene-d5	8.81	82	768	0.36	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1676	0.41	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	584	0.44	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	2619	0.36	ng	-0.01
25) Fluoranthene-d10	19.09	212	30391	0.35	ng	0.00
29) Terphenyl-d14	19.69	244	6948	0.42	ng	-0.01

Target Compounds				Qvalue		
9) Naphthalene	10.48	128	648	0.027	ng	# 72
12) 2-Methylnaphthalene	12.11	142	109	0.026	ng	# 79
16) Acenaphthylene	14.04	152	764	0.084	ng	# 94
18) Fluorene	15.35	166	264	0.035	ng	# 88
23) Phenanthrene	17.09	178	7967	0.551	ng	99
24) Anthracene	17.19	178	851	0.065	ng	# 92
26) Fluoranthene	19.12	202	17795	0.773	ng	98
28) Pyrene	19.48	202	24256	1.137	ng	97
30) Benzo(a)anthracene	21.22	228	12089	0.456	ng	# 94
31) Chrysene	21.28	228	15835	0.595	ng	96
32) Bis(2-ethylhexyl)phthalate	21.15	149	5222	0.082	ng	99
33) Indeno(1,2,3-cd)pyrene	26.22	276	6681	0.190	ng	95
35) Benzo(b)fluoranthene	22.92	252	14375	0.556	ng	# 94
36) Benzo(k)fluoranthene	22.96	252	4034m	0.140	ng	
37) Benzo(a)pyrene	23.55	252	10140m	0.392	ng	
38) Dibenzo(a,h)anthracene	26.23	278	1750	0.065	ng	# 57
39) Benzo(a,h,i)perylene	27.00	276	7762	0.279	ng	# 95

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

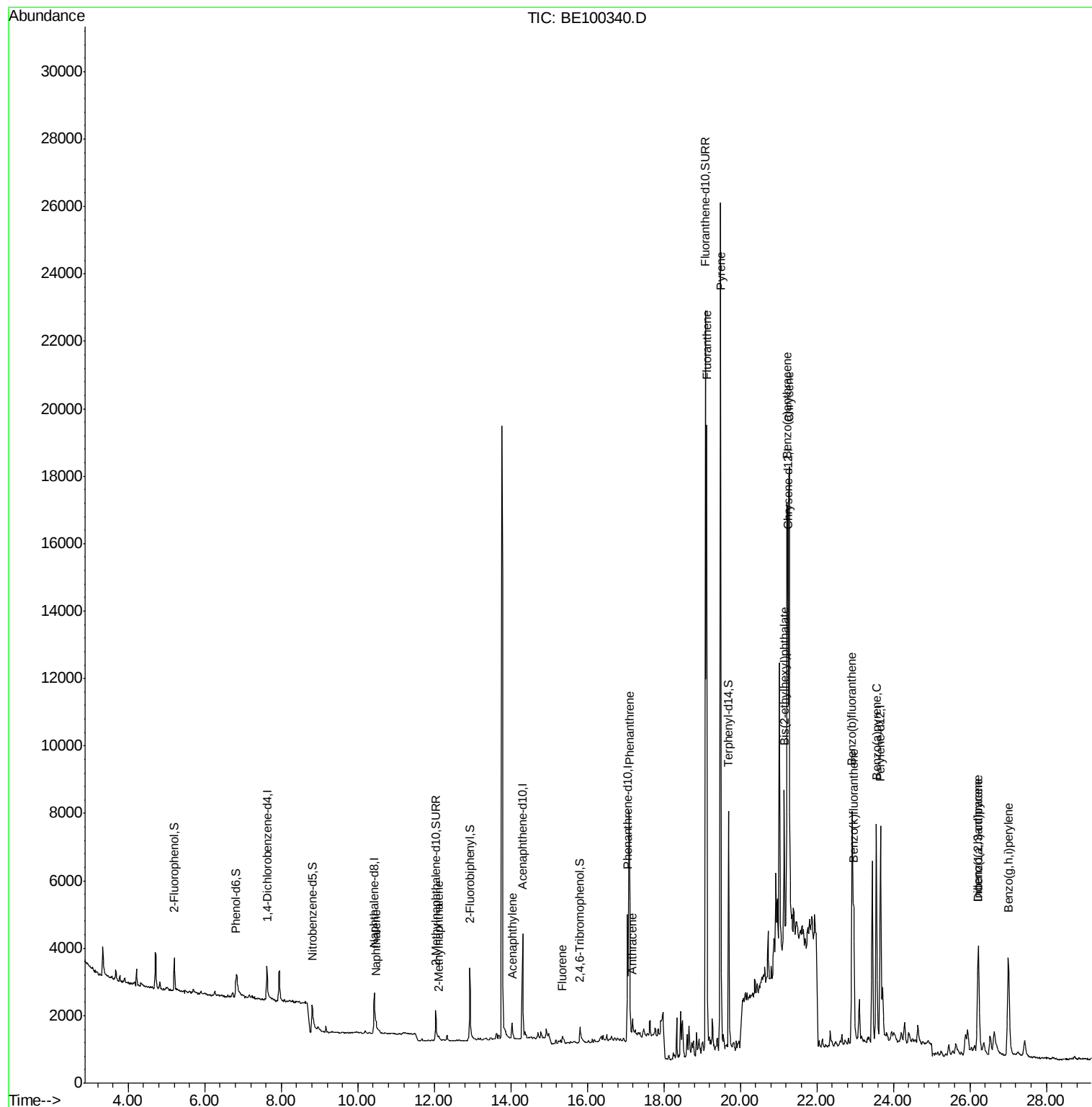
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#1

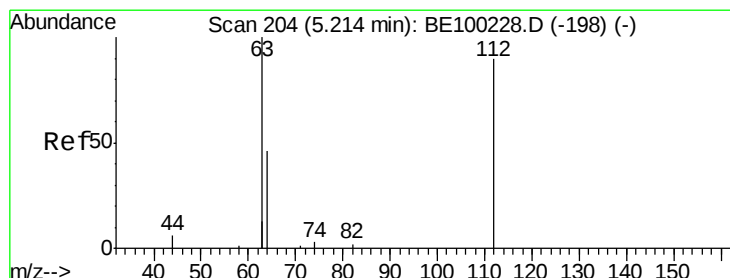
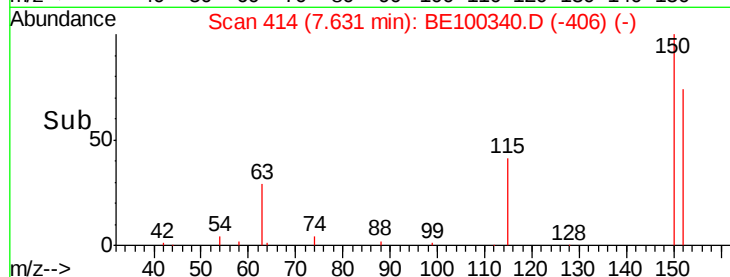
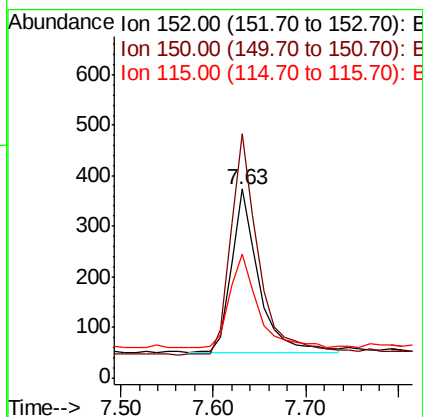
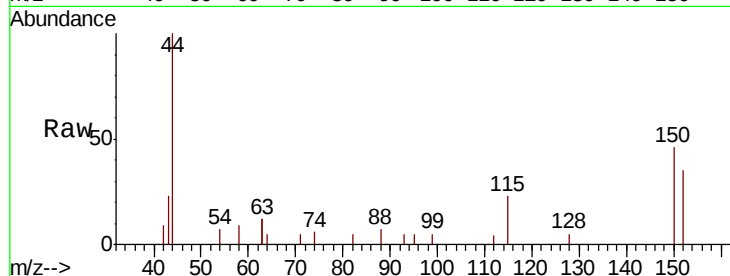
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100340.D
Acq: 3 Jul 2019 22:06

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW146-062419

Tot Ion	Ratio	Lower	Upper
152	100		
150	129.5	114.5	171.7
115	65.4	57.1	85.7

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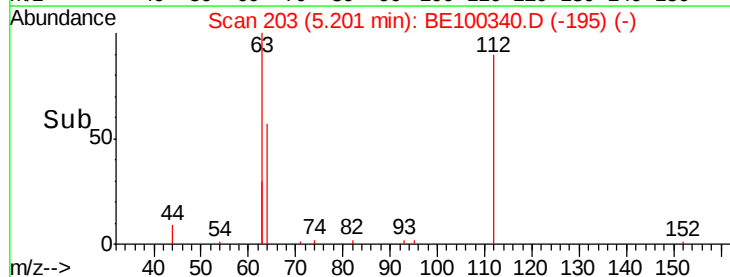
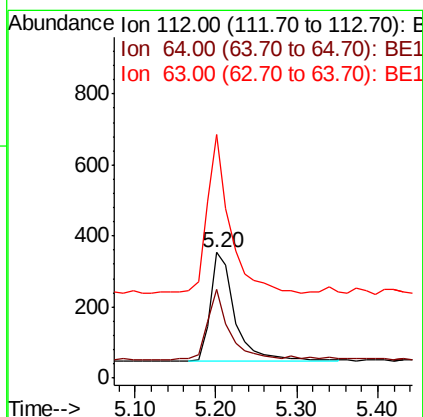
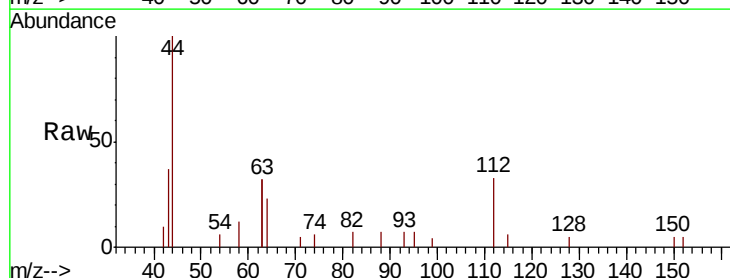
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#4

2-Fluorophenol
Concen: 0.399 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100340.D
Acq: 3 Jul 2019 22:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	39.4	59.0
63	128.4	104.5	156.7





#5

Phenol-d6

Concen: 0.362 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100340.D

Acq: 3 Jul 2019 22:06

Instrument :

BNA_E

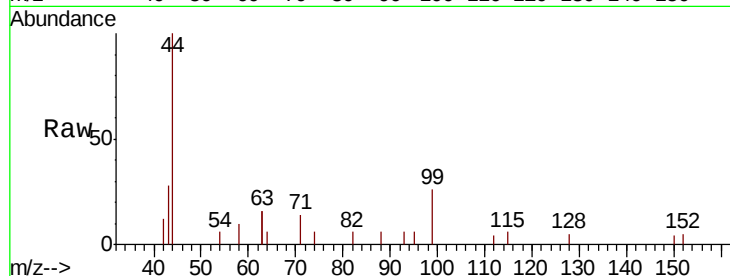
ClientSampleId :

EXT-009-SW146-062419

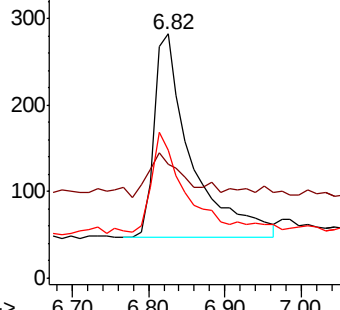
Tot Ion:	99	Resp:	799
Ion	Ratio	Lower	Upper
99	100		
42	22.5	11.2	16.8#
71	46.3	37.2	55.8

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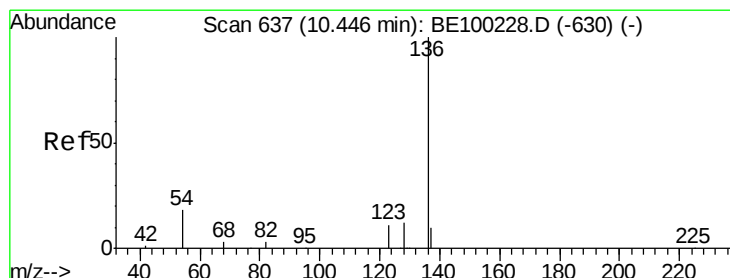
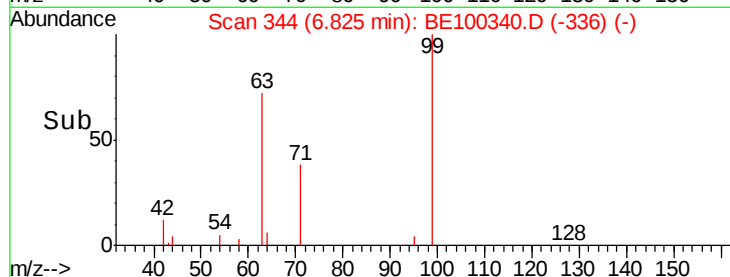
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Abundance Ion 99.00 (98.70 to 99.70): BE1
Ion 42.00 (41.70 to 42.70): BE1
Ion 71.00 (70.70 to 71.70): BE1



Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 636

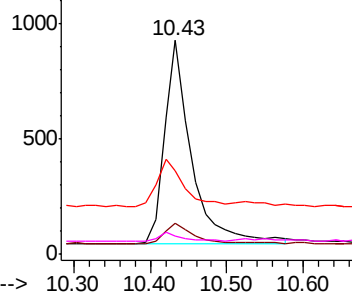
Delta R.T. -0.01 min

Lab File: BE100340.D

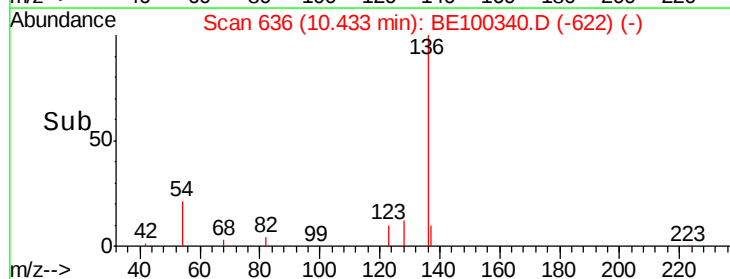
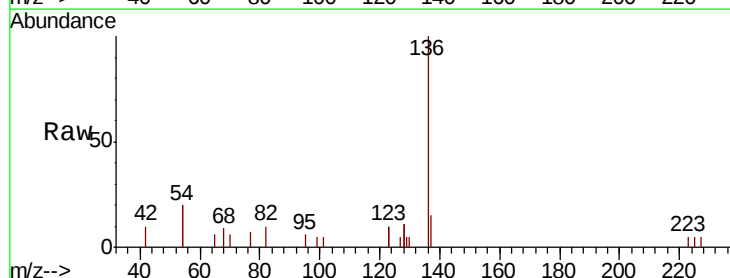
Acq: 3 Jul 2019 22:06

Tgt Ion:	136	Resp:	2165
Ion	Ratio	Lower	Upper
136	100		
137	14.5	11.8	17.8
54	39.2	27.7	41.5
68	8.6	6.8	10.2

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE1
Ion 68.00 (67.70 to 68.70): BE1



Time-->





#8

Nitrobenzene-d5

Concen: 0.357 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100340.D

Acq: 3 Jul 2019 22:06

Instrument :

BNA_E

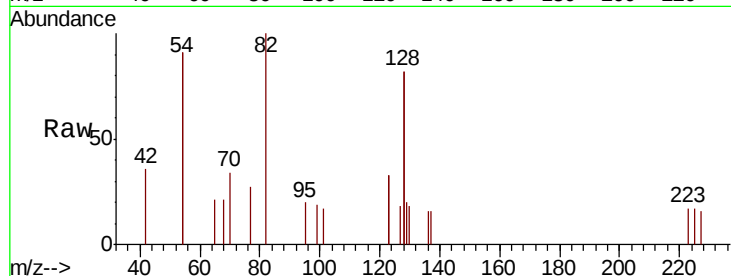
ClientSampleId :

EXT-009-SW146-062419

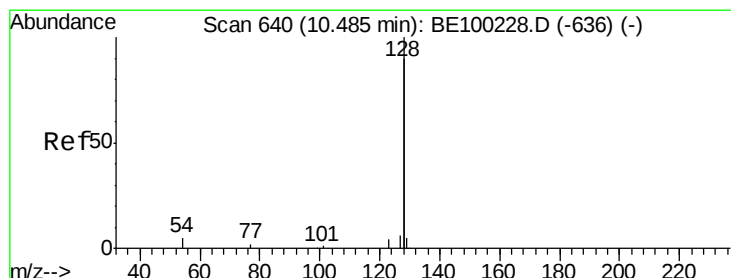
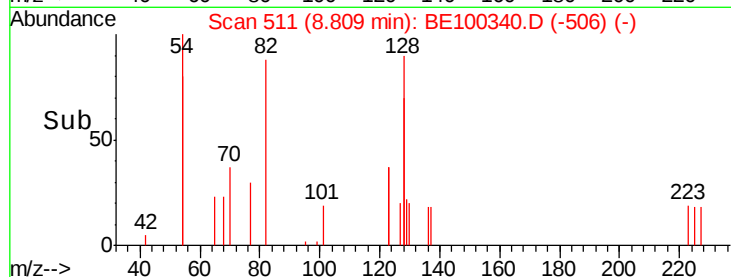
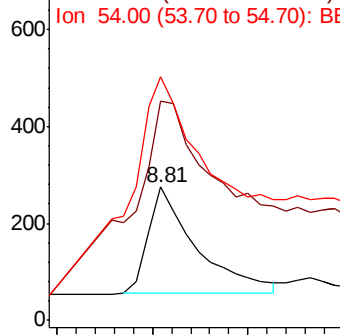
Tot Ion:	82	Resp:	768
Ion	Ratio	Lower	Upper
82	100		
128	164.4	140.9	211.3
54	182.5	146.2	219.2

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Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.027 ng

RT: 10.48 min Scan# 640

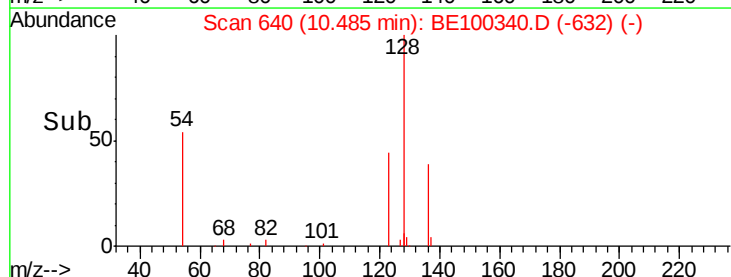
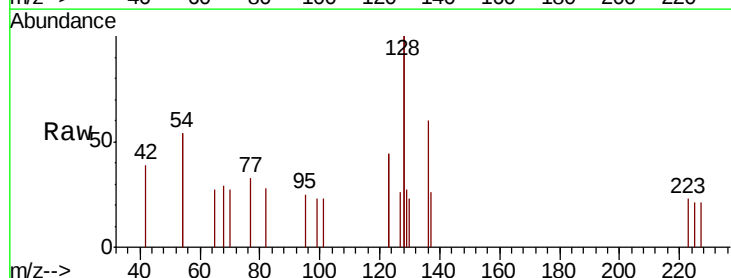
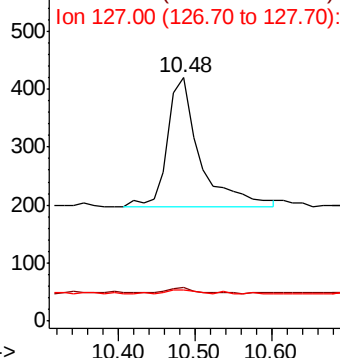
Delta R.T. 0.00 min

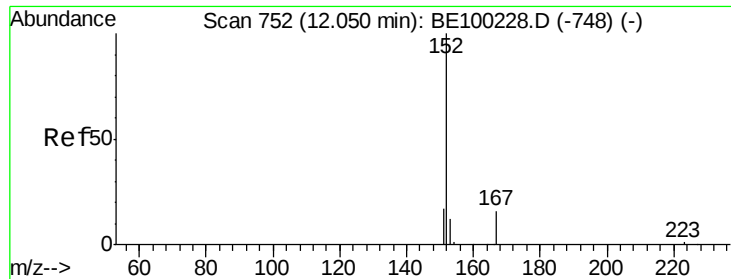
Lab File: BE100340.D

Acq: 3 Jul 2019 22:06

Tgt Ion:	128	Resp:	648
Ion	Ratio	Lower	Upper
128	100		
129	13.6	3.0	4.6#
127	12.9	3.5	5.3#

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





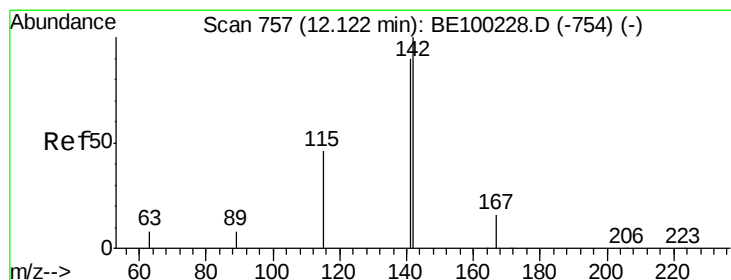
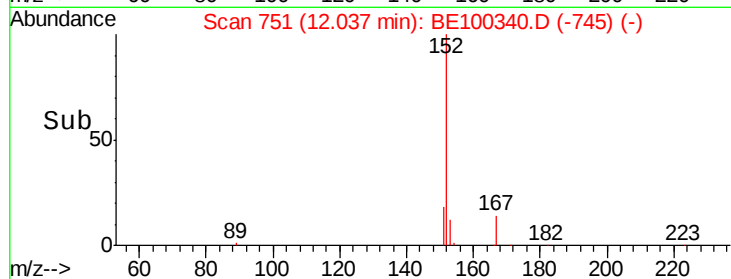
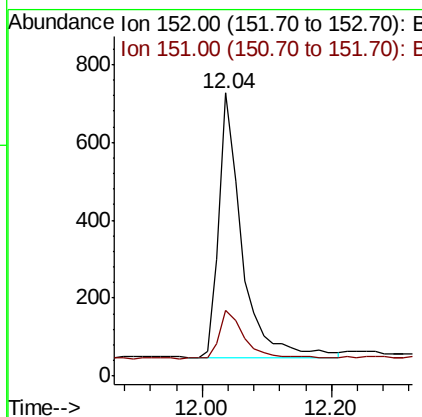
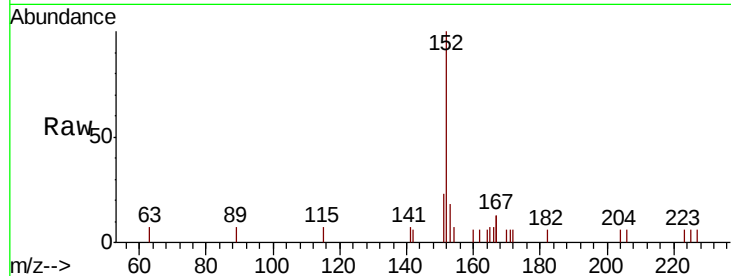
#11
2-Methylnaphthalene-d10
Concen: 0.412 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100340.D
Acq: 3 Jul 2019 22:06

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW146-062419

Tot Ion:152 Resp: 1676
Ion Ratio Lower Upper
152 100
151 20.3 15.1 22.7

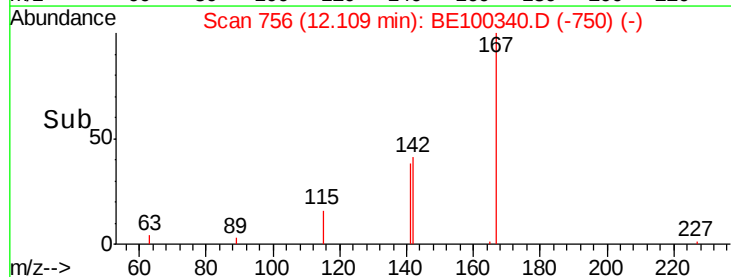
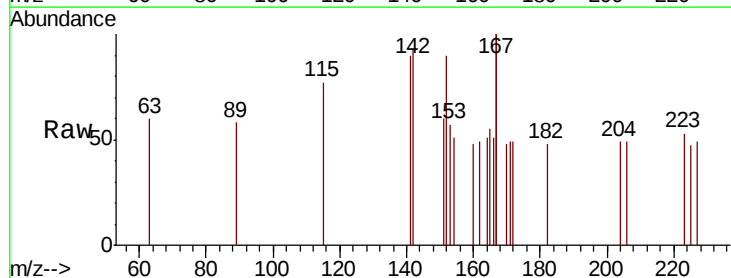
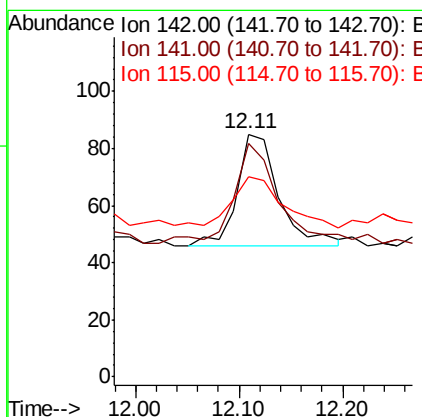
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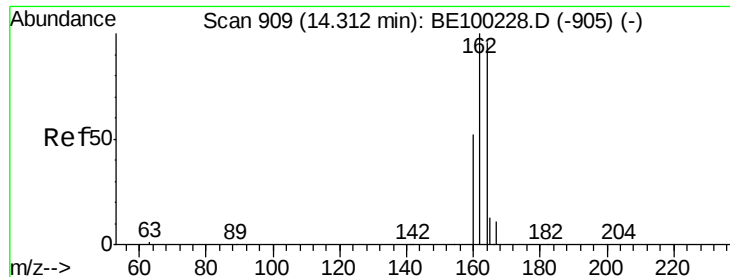
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#12
2-Methylnaphthalene
Concen: 0.026 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100340.D
Acq: 3 Jul 2019 22:06

Tgt Ion:142 Resp: 109
Ion Ratio Lower Upper
142 100
141 96.5 72.4 108.6
115 82.4 40.4 60.6#





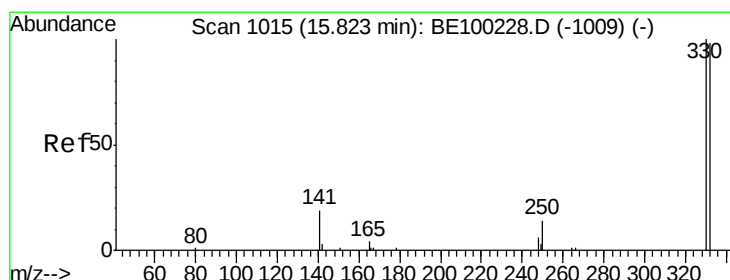
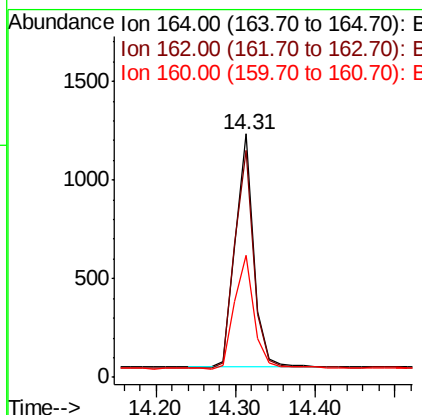
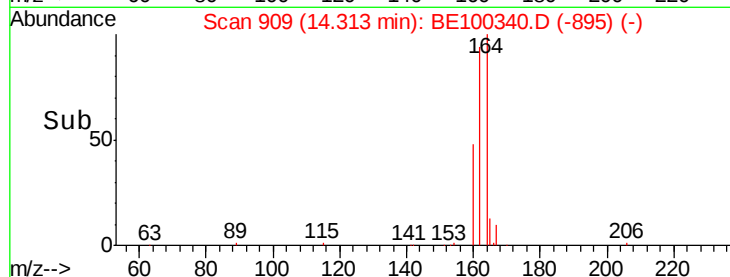
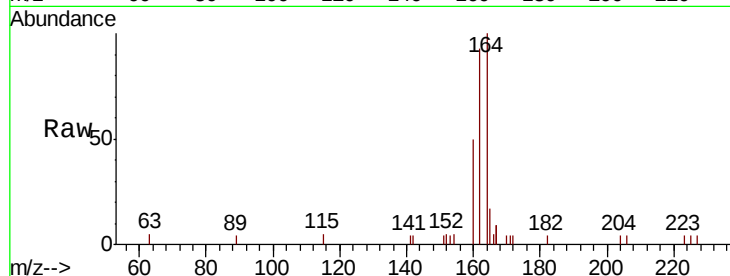
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100340.D
Acq: 3 Jul 2019 22:06

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW146-062419

Tot Ion	Ratio	Lower	Upper
164	100		
162	93.4	83.4	125.0
160	50.0	45.0	67.6

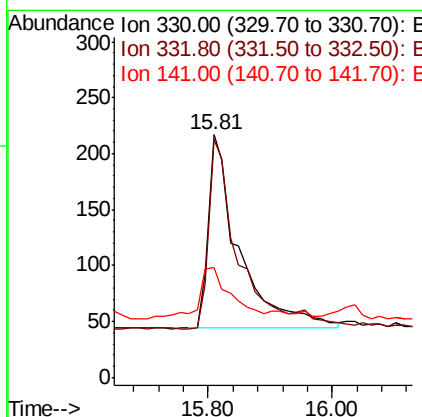
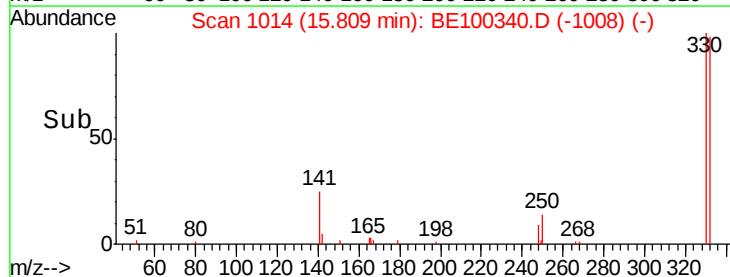
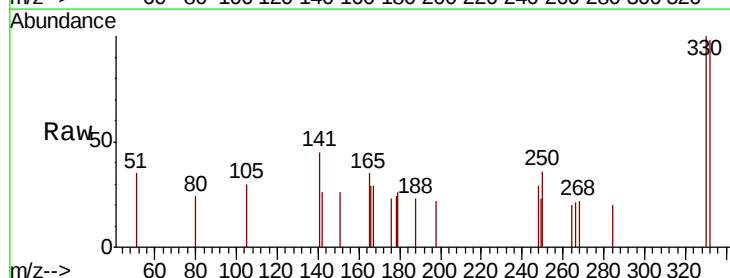
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#14
2,4,6-Tribromophenol
Concen: 0.442 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100340.D
Acq: 3 Jul 2019 22:06

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.7	77.0	115.4
141	26.0	22.0	33.0





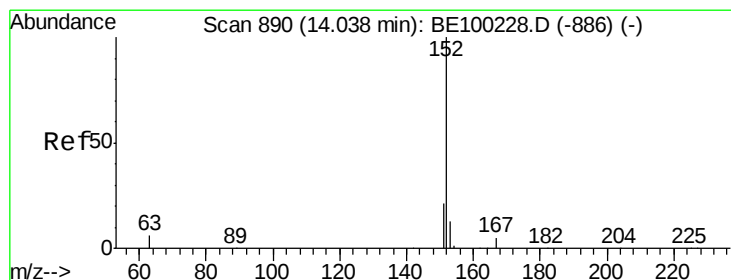
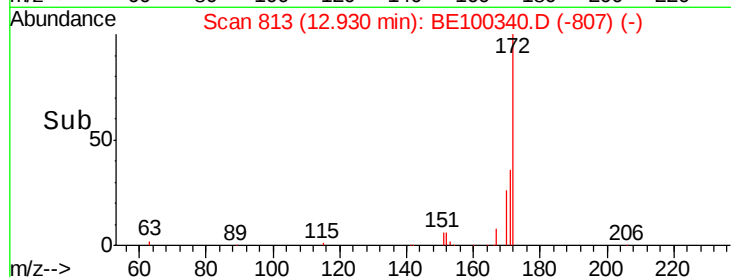
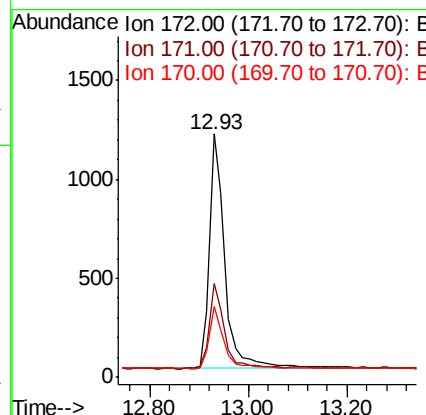
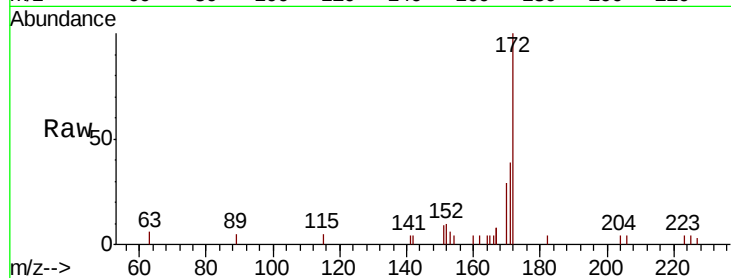
#15
2-Fluorobiphenyl
Concen: 0.355 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100340.D
Acq: 3 Jul 2019 22:06

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW146-062419

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.7	31.9	47.9
170	28.9	22.2	33.2

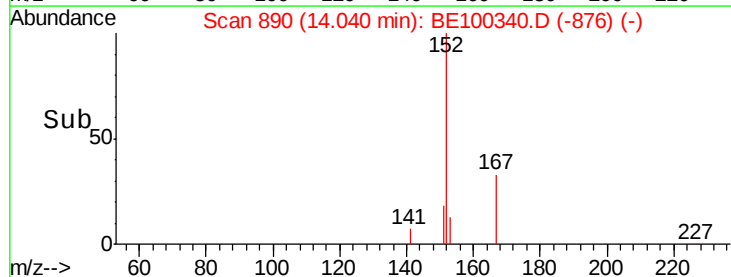
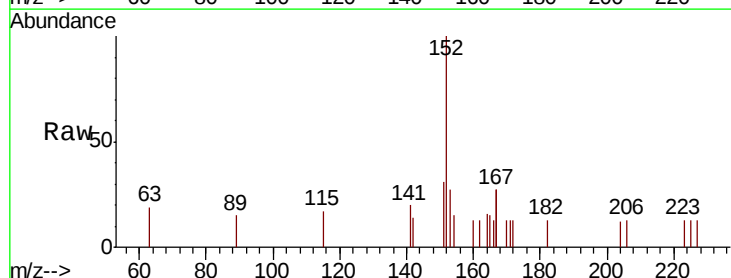
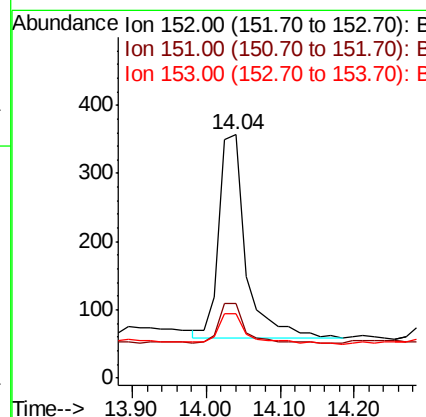
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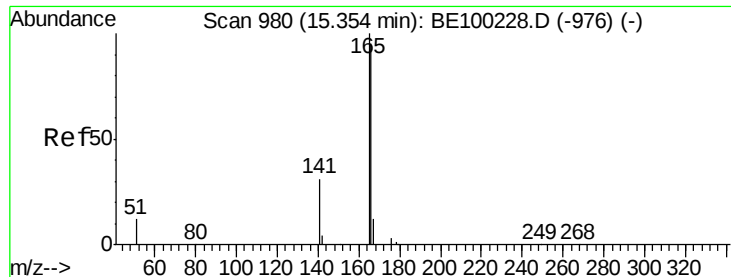
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#16
Acenaphthylene
Concen: 0.084 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100340.D
Acq: 3 Jul 2019 22:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.2	16.6	25.0
153	16.0	10.5	15.7#





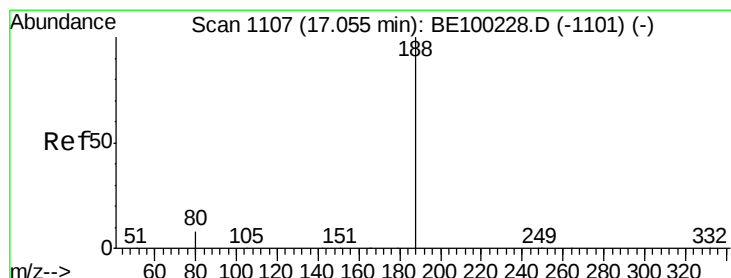
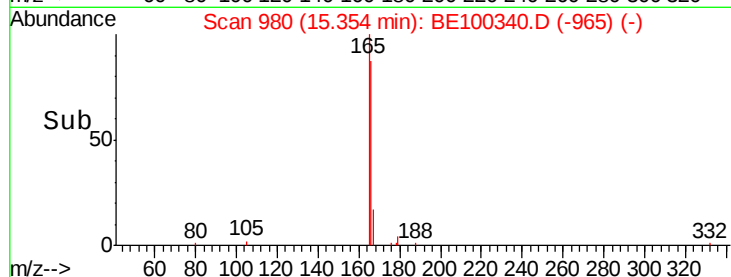
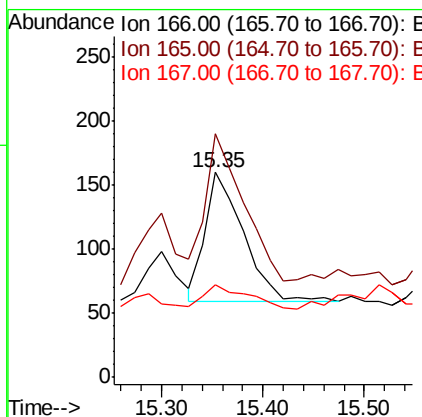
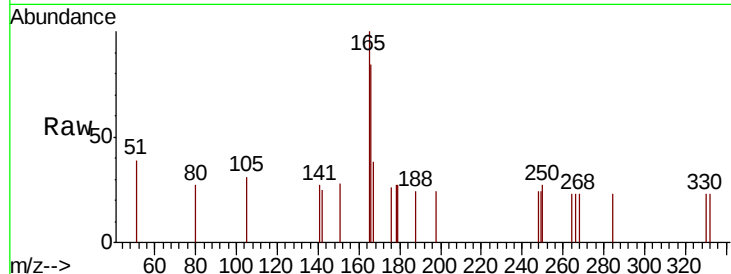
#18
Fluorene
 Concen: 0.035 ng
 RT: 15.35 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: BE100340.D
 Acq: 3 Jul 2019 22:06

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW146-062419

Tot Ion	Ratio	Lower	Upper
166	100		
165	112.1	81.1	121.7
167	22.3	10.7	16.1

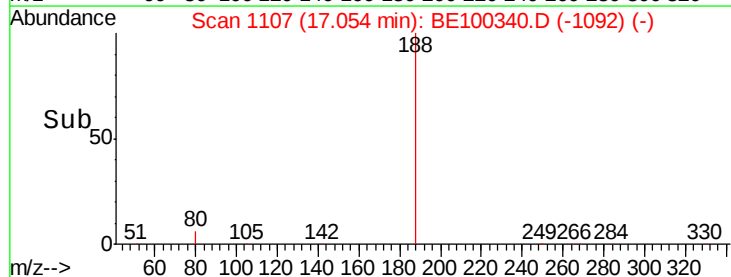
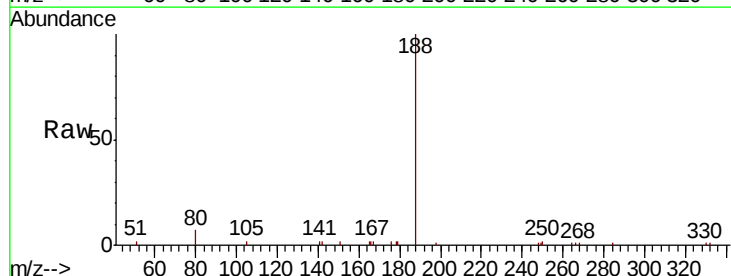
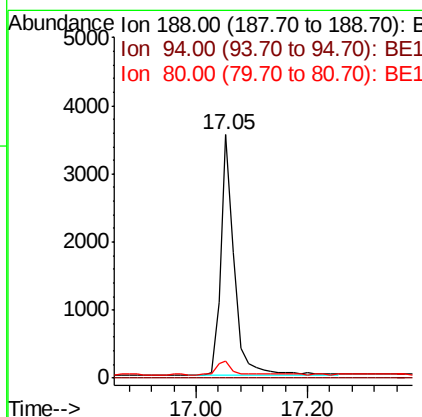
Manual Integrations
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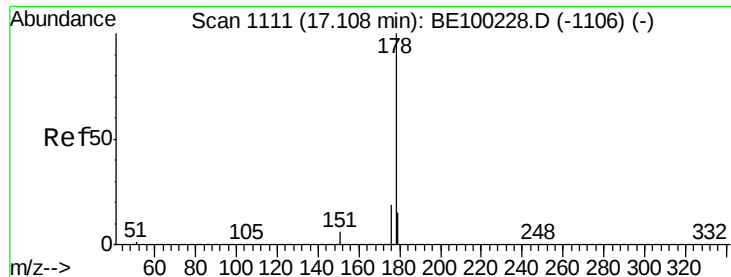
mohammad
 7/5/2019 8:54:25 AM



#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.05 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: BE100340.D
 Acq: 3 Jul 2019 22:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.9	7.6	11.4





#23

Phenanthrene

Concen: 0.551 ng

RT: 17.09 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE100340.D

Acq: 3 Jul 2019 22:06

Instrument :

BNA_E

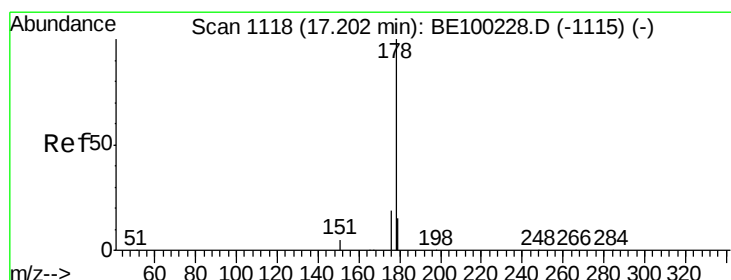
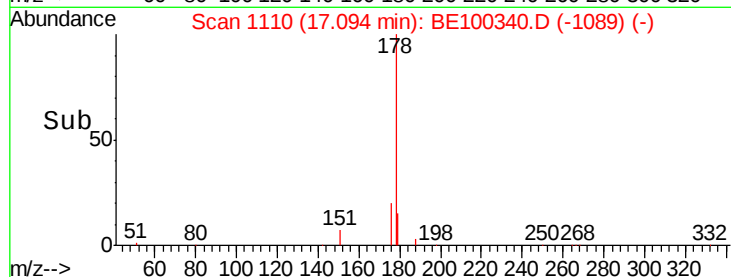
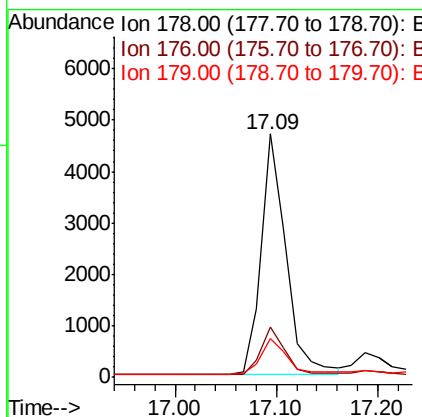
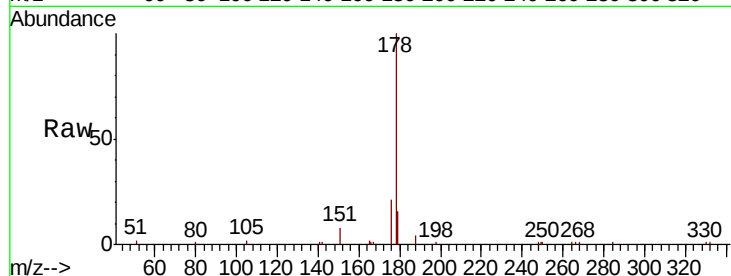
ClientSampleId :

EXT-009-SW146-062419

Tot Ion:178	Resp:	7967
Ion Ratio	Lower	Upper
178	100	
176	19.5	15.9 23.9
179	16.1	12.2 18.2

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#24

Anthracene

Concen: 0.065 ng

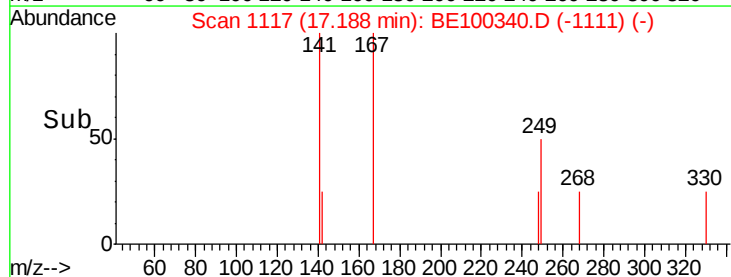
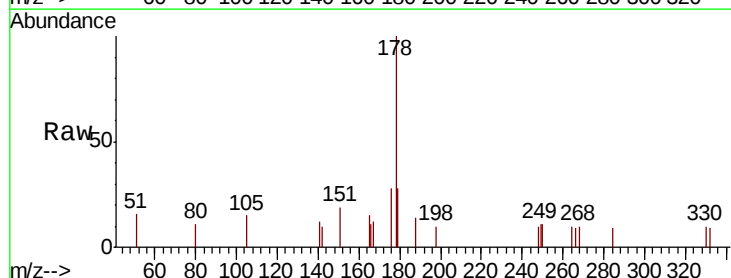
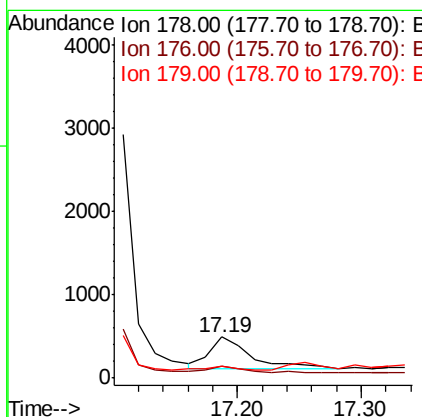
RT: 17.19 min Scan# 1117

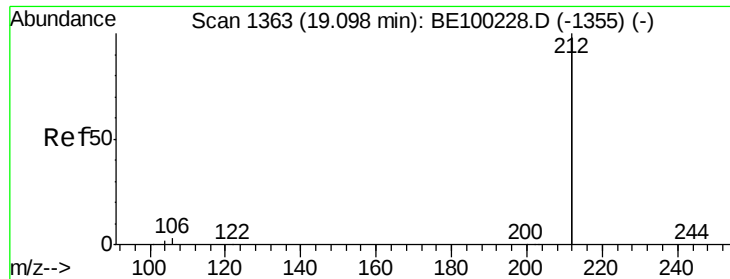
Delta R.T. -0.01 min

Lab File: BE100340.D

Acq: 3 Jul 2019 22:06

Tgt Ion:178	Resp:	851
Ion Ratio	Lower	Upper
178	100	
176	17.0	15.3 22.9
179	9.6	12.2 18.2#





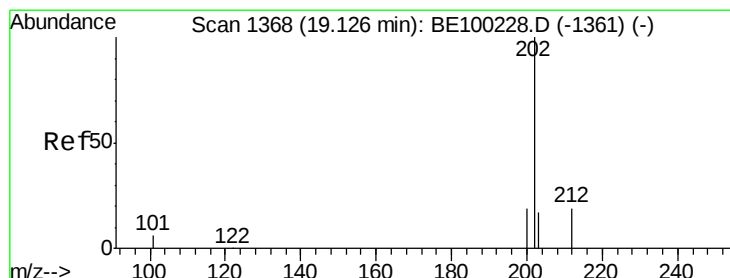
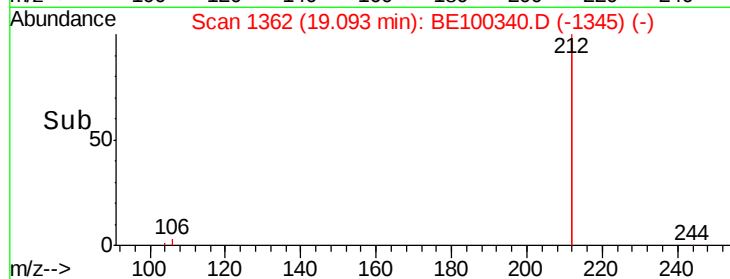
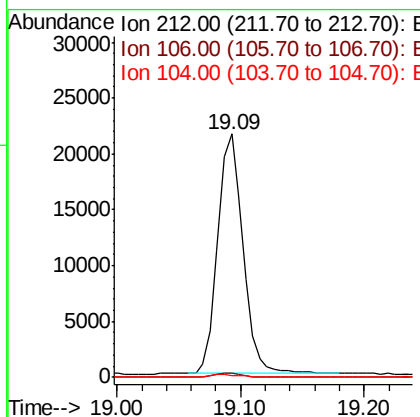
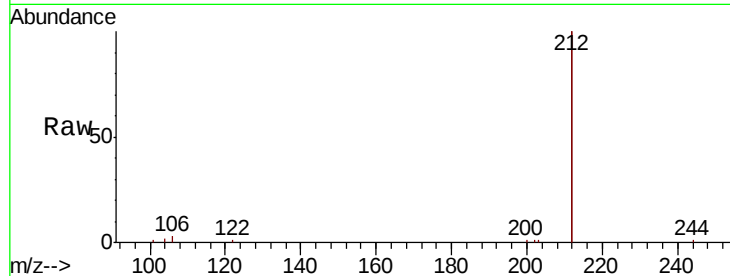
#25
 Fluoranthene-d10
 Concen: 0.351 ng
 RT: 19.09 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: BE100340.D
 Acq: 3 Jul 2019 22:06

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW146-062419

Tot Ion	Ratio	Lower	Upper
212	100		
106	1.5	1.3	1.9
104	0.9	0.8	1.2

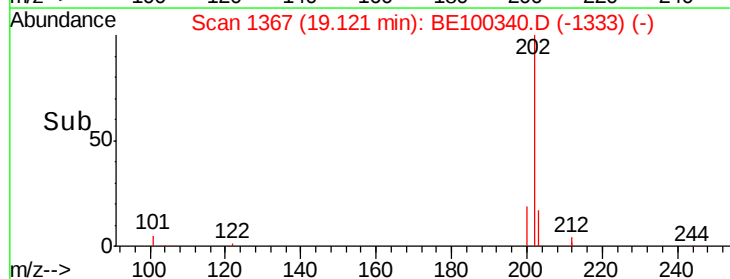
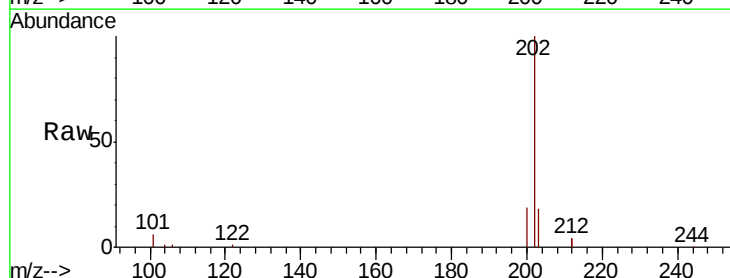
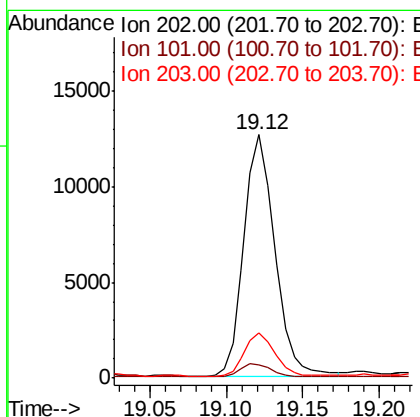
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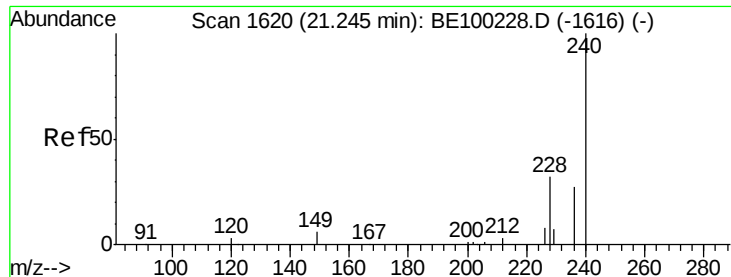
mohammad
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#26
 Fluoranthene
 Concen: 0.773 ng
 RT: 19.12 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: BE100340.D
 Acq: 3 Jul 2019 22:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.5	4.6	7.0
203	17.9	13.7	20.5





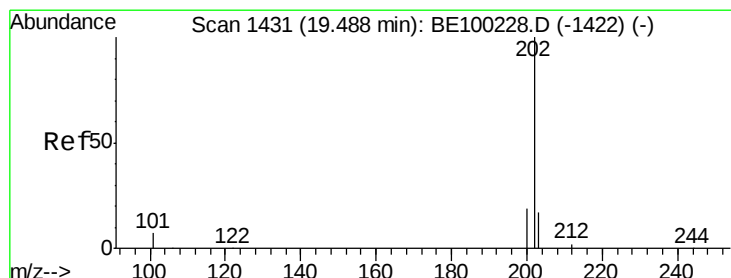
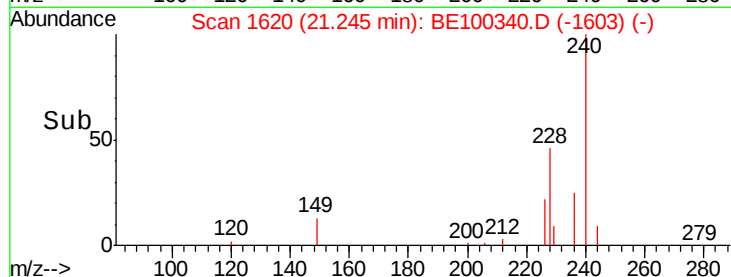
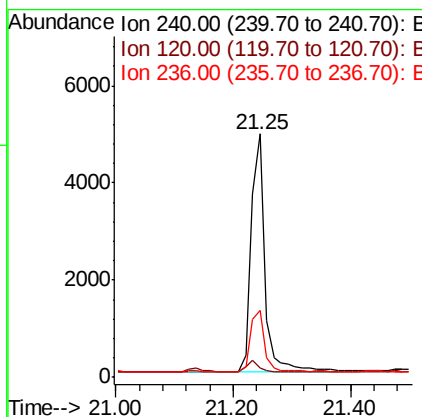
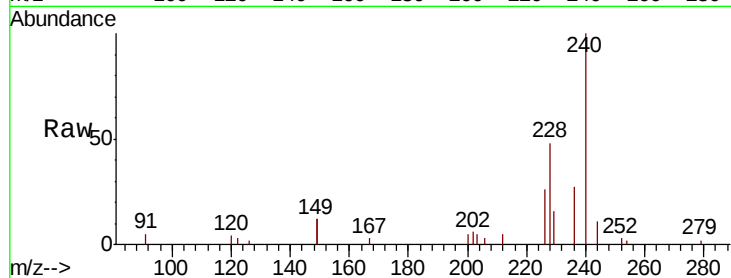
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100340.D
Acq: 3 Jul 2019 22:06

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW146-062419

Tot Ion	Ratio	Lower	Upper
240	100		
120	3.9	3.3	4.9
236	27.3	22.6	34.0

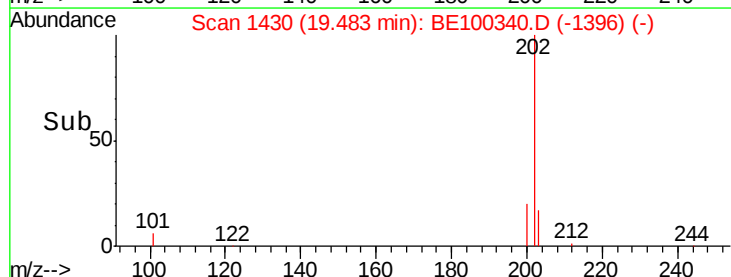
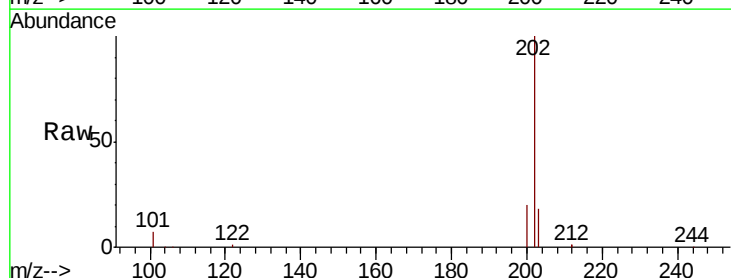
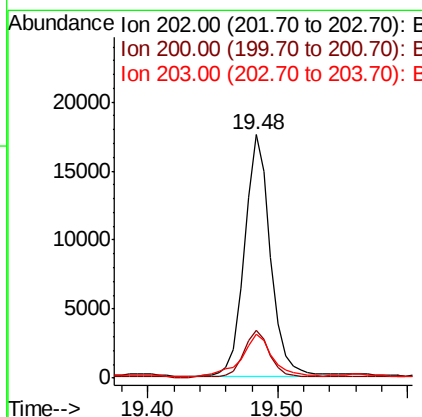
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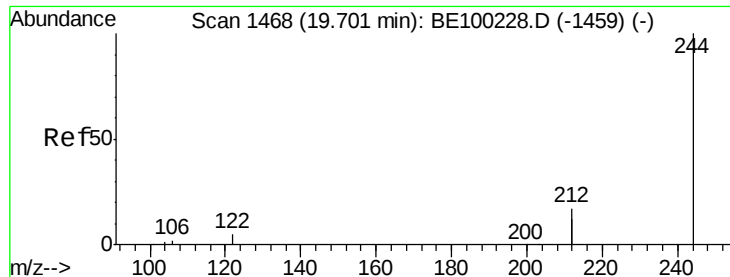
mohammad
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#28
Pyrene
Concen: 1.137 ng
RT: 19.48 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE100340.D
Acq: 3 Jul 2019 22:06

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





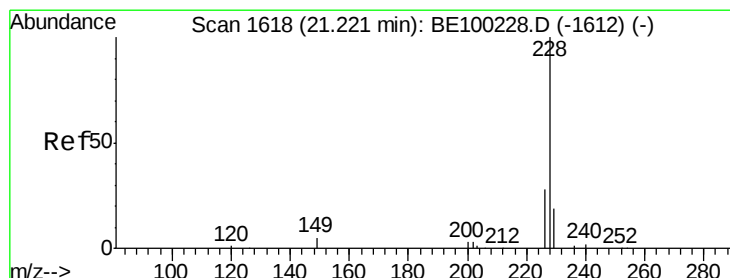
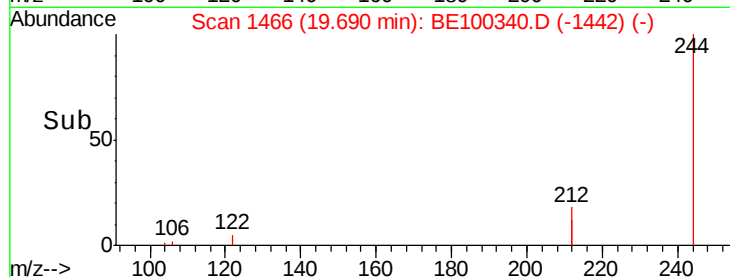
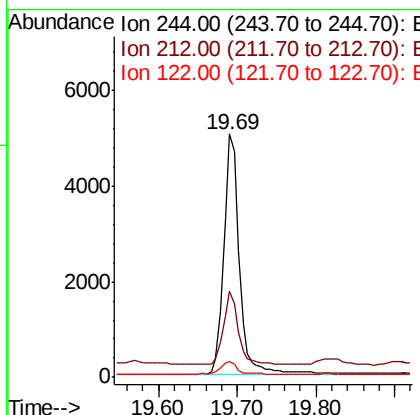
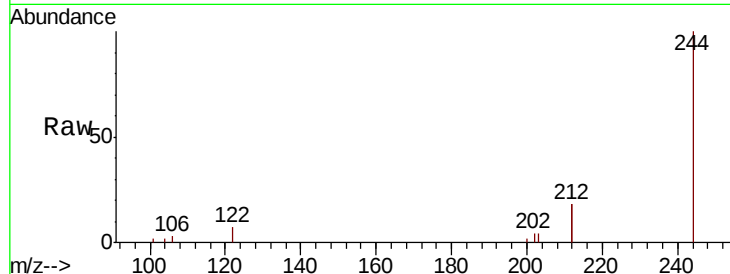
#29
 Terphenyl-d14
 Concen: 0.416 ng
 RT: 19.69 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BE100340.D
 Acq: 3 Jul 2019 22:06

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW146-062419

Tot Ion	Ratio	Lower	Upper
244	100		
212	35.3	27.3	40.9
122	6.7	4.7	7.1

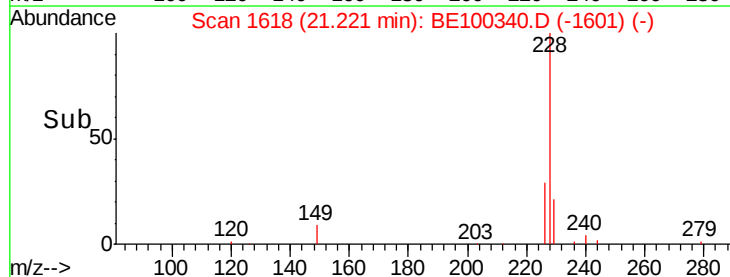
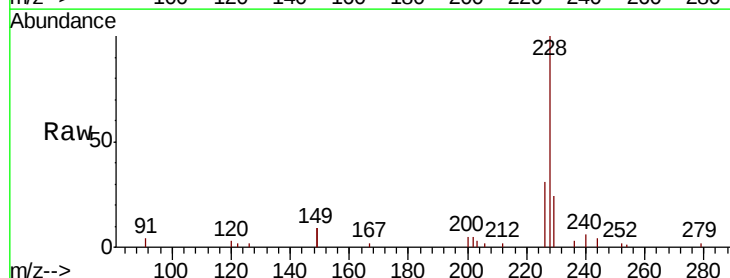
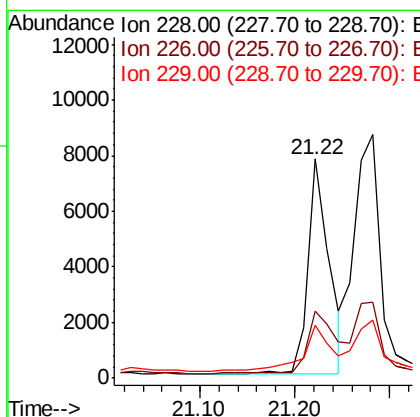
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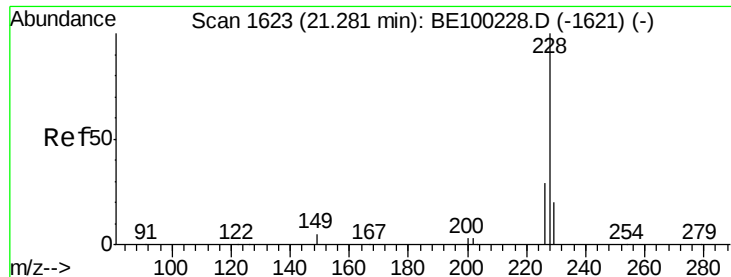
mohammad
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#30
 Benzo(a)anthracene
 Concen: 0.456 ng
 RT: 21.22 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: BE100340.D
 Acq: 3 Jul 2019 22:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.2	34.8
229	24.1	15.7	23.5





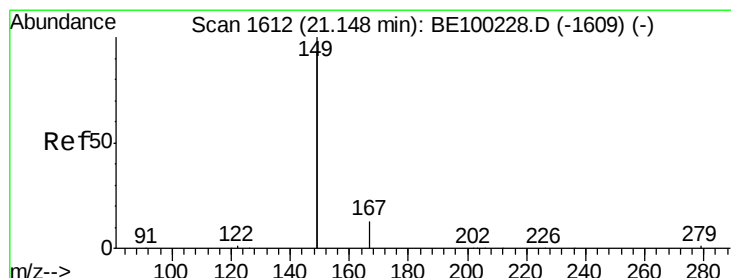
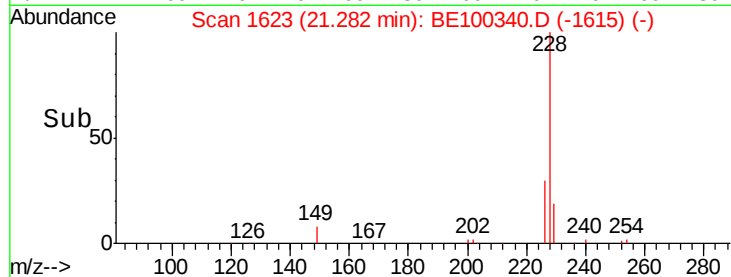
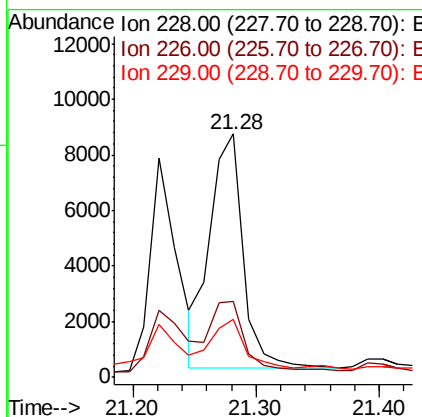
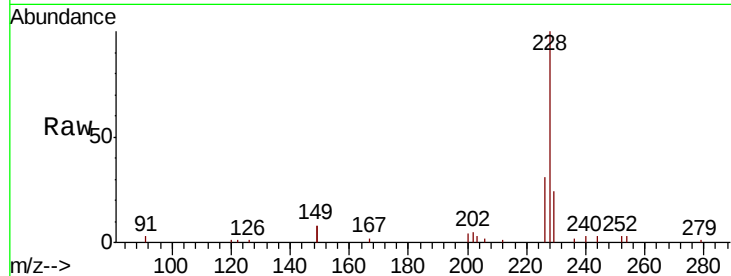
#31
 Chrysene
 Concen: 0.595 ng
 RT: 21.28 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: BE100340.D
 Acq: 3 Jul 2019 22:06

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW146-062419

Tot Ion:228	Resp:	15835
Ion Ratio	Lower	Upper
228 100		
226 31.4	23.9	35.9
229 23.6	16.5	24.7

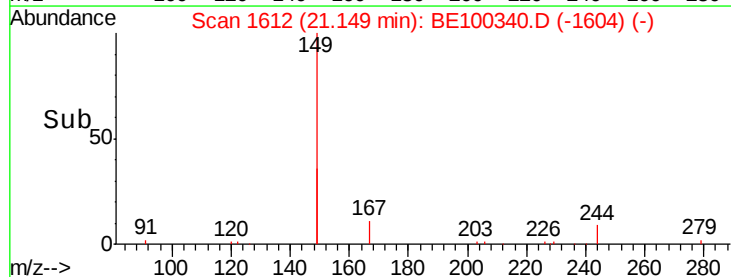
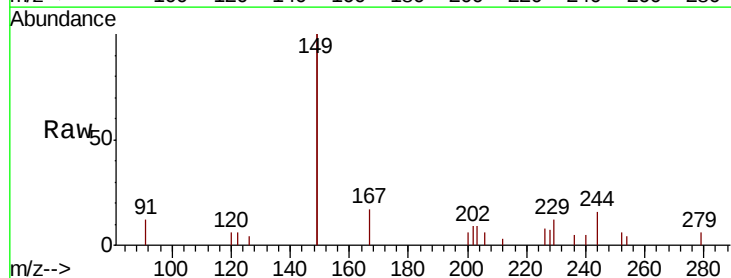
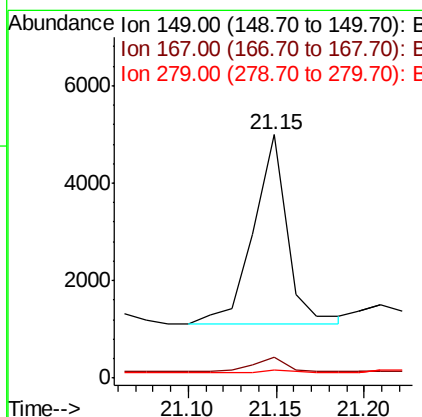
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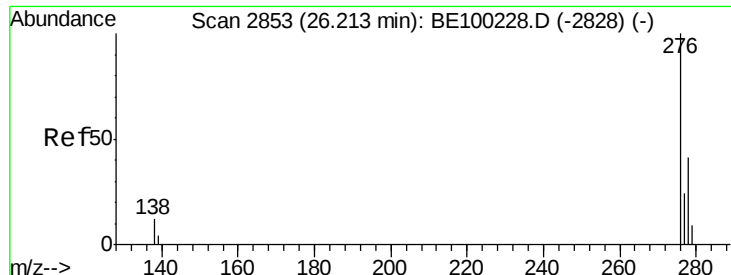
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#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.082 ng
 RT: 21.15 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BE100340.D
 Acq: 3 Jul 2019 22:06

Tgt Ion:149	Resp:	5222
Ion Ratio	Lower	Upper
149 100		
167 7.0	5.8	8.8
279 1.1	1.1	1.7





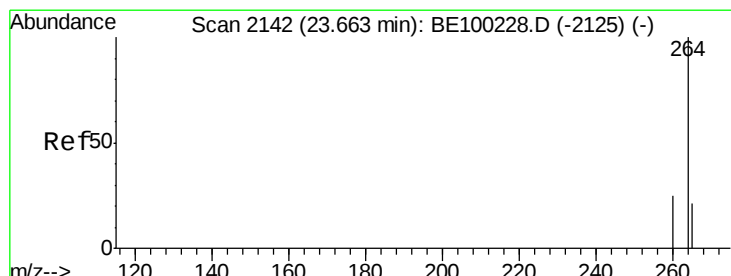
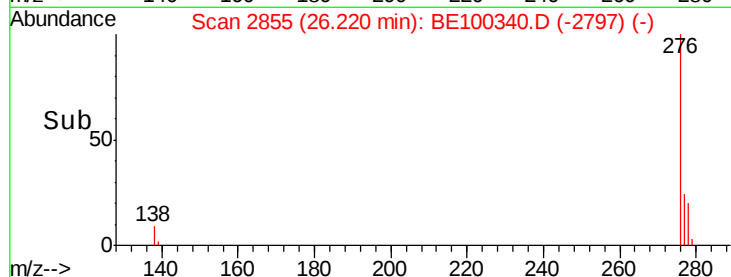
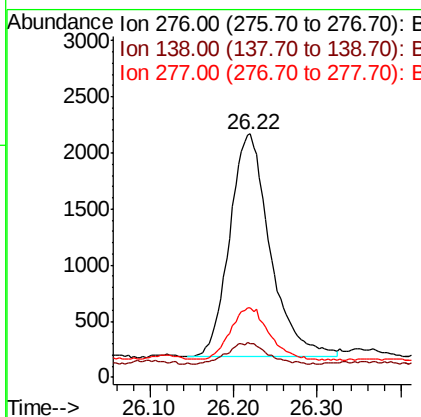
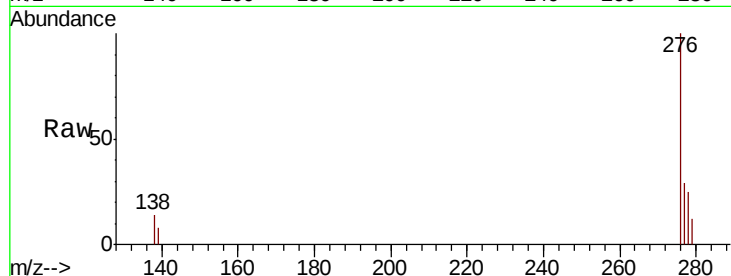
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.190 ng
 RT: 26.22 min Scan# 2855
 Delta R.T. 0.01 min
 Lab File: BE100340.D
 Acq: 3 Jul 2019 22:06

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW146-062419

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.7	9.4	14.0
277	21.8	19.2	28.8

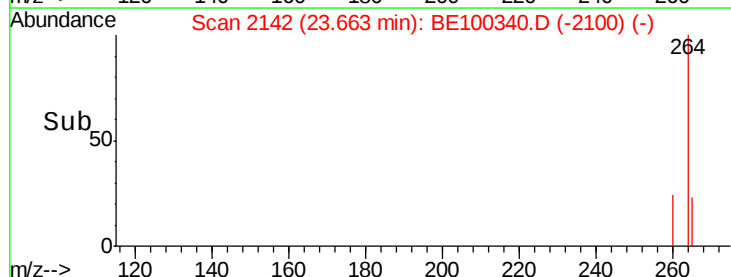
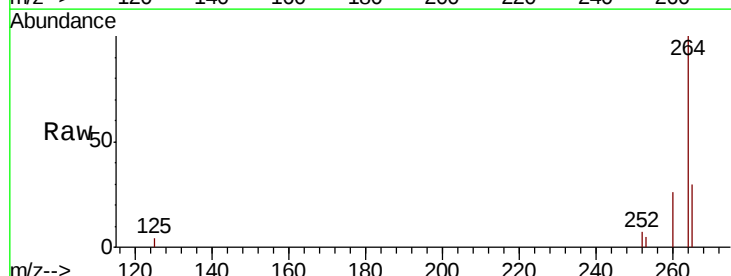
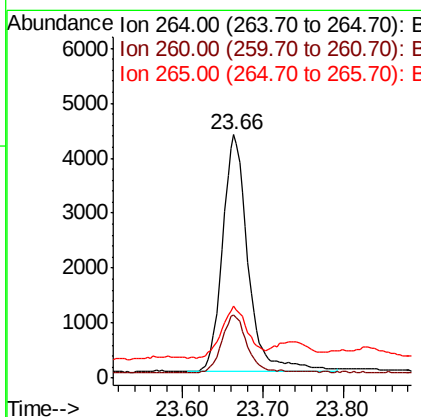
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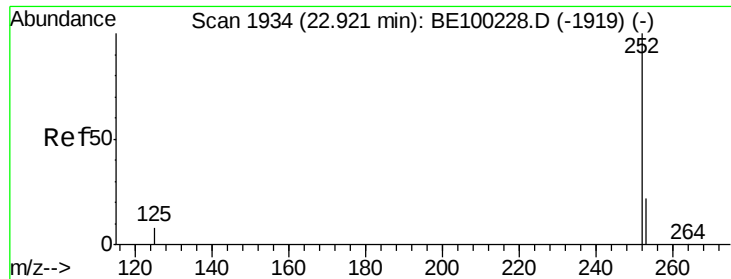
mohammad
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.66 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: BE100340.D
 Acq: 3 Jul 2019 22:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.8	31.2
265	29.6	21.8	32.6





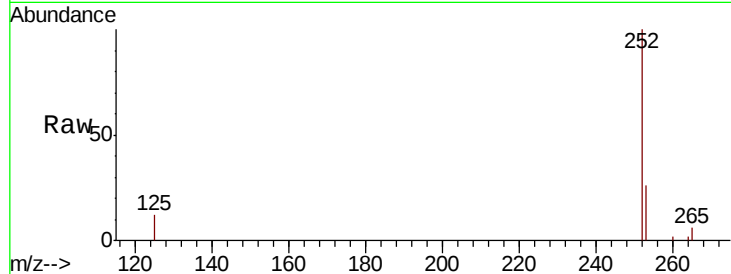
#35
Benzo(b)fluoranthene
Concen: 0.556 ng
RT: 22.92 min Scan# 1934
Delta R.T. 0.00 min
Lab File: BE100340.D
Acq: 3 Jul 2019 22:06

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW146-062419

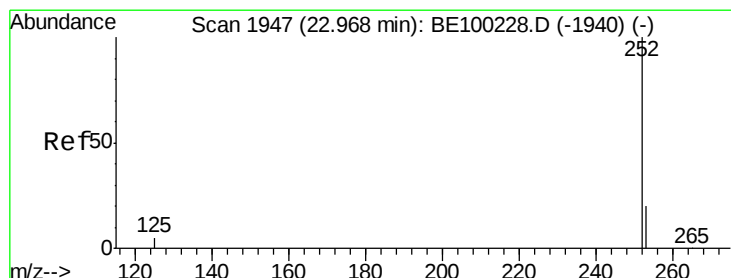
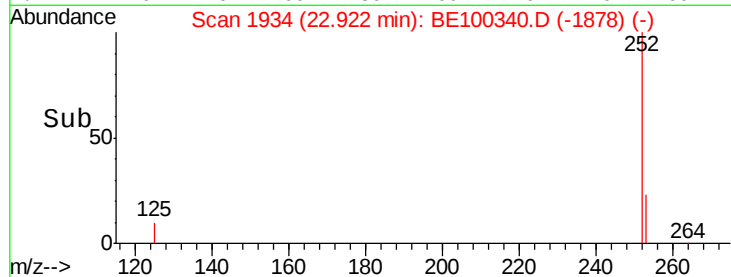
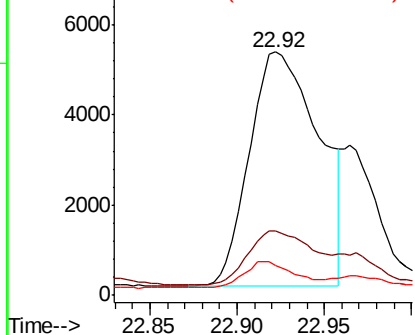
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	19.2	28.8
125	12.4	7.4	11.0

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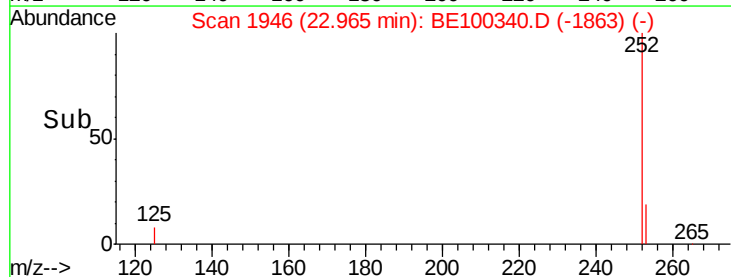
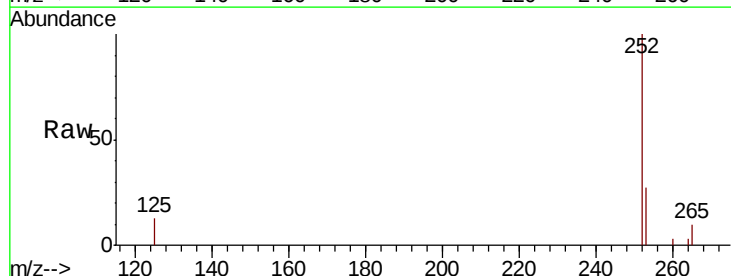
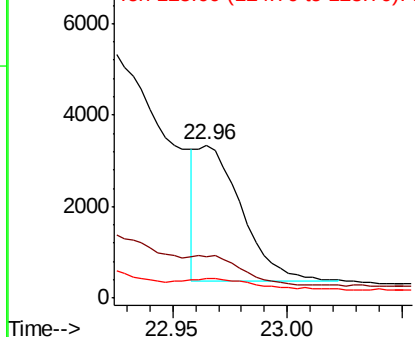
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

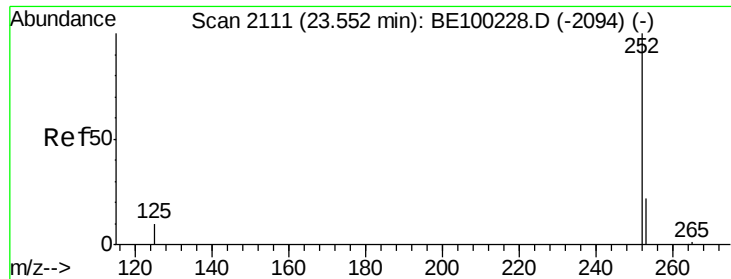


#36
Benzo(k)fluoranthene
Concen: 0.140 ng m
RT: 22.96 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BE100340.D
Acq: 3 Jul 2019 22:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.9	26.9
125	13.1	5.0	7.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





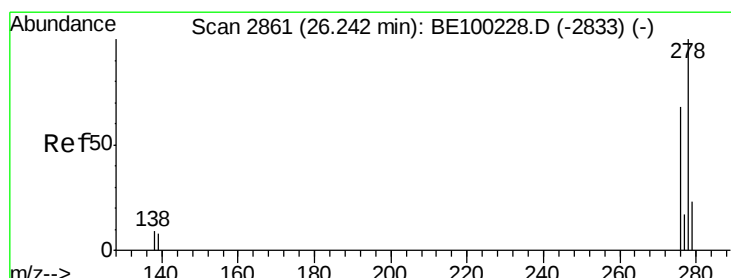
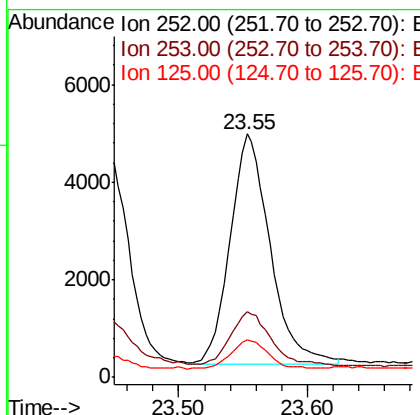
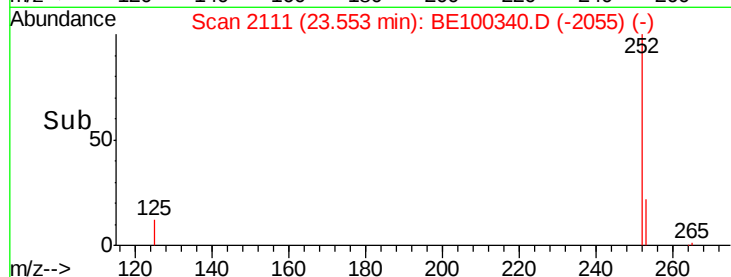
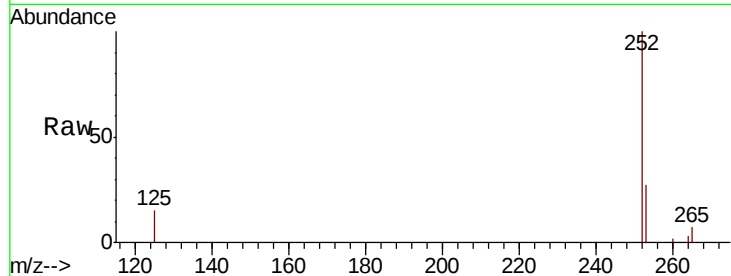
#37
Benzo(a)pyrene
Concen: 0.392 ng/ml
RT: 23.55 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BE100340.D
Acq: 3 Jul 2019 22:06

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW146-062419

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	19.6	29.4
125	15.2	9.0	13.6

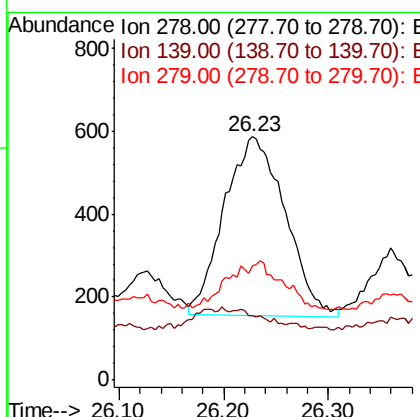
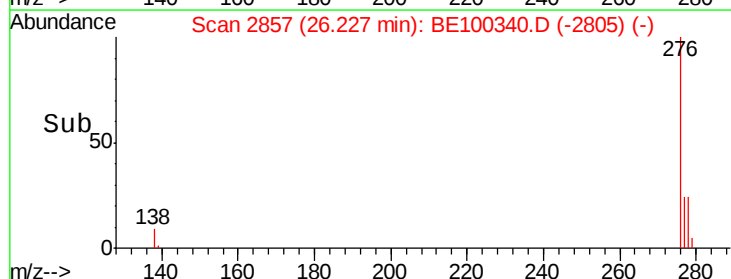
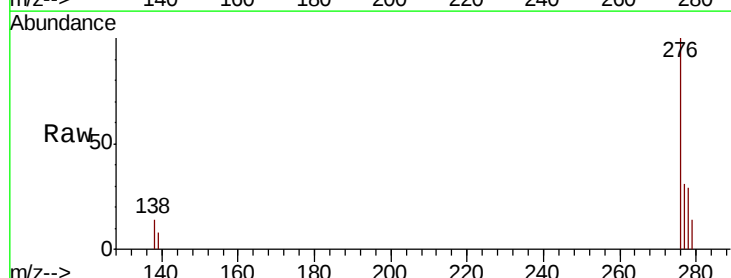
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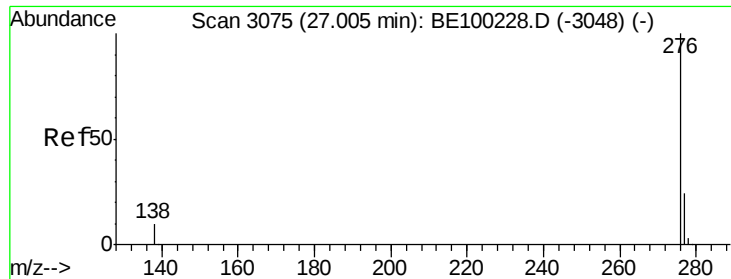
mohammad
7/5/2019 8:54:25 AM



#38
Dibenzo(a,h)anthracene
Concen: 0.065 ng
RT: 26.23 min Scan# 2857
Delta R.T. -0.01 min
Lab File: BE100340.D
Acq: 3 Jul 2019 22:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.2	8.2	12.2
279	47.0	20.3	30.5





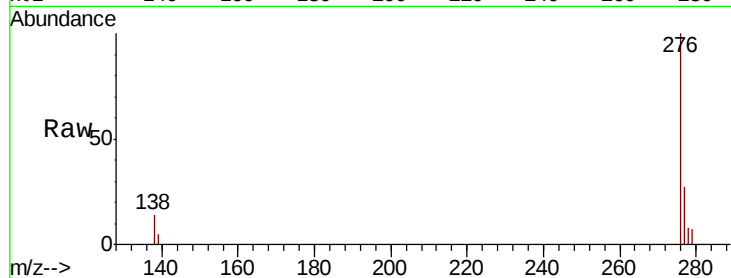
#39
 Benzo(a,h,i)perylene
 Concen: 0.279 ng
 RT: 27.00 min Scan# 3075
 Delta R.T. -0.00 min
 Lab File: BE100340.D
 Acq: 3 Jul 2019 22:06

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW146-062419

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	20.2	30.2
138	13.7	9.0	13.6

Manual Integrations
 APPROVED

mohammad
 7/5/2019 8:54:25 AM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

