

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100341.D
 Acq On : 3 Jul 2019 22:42
 Operator : JU/SJ
 Sample : K3560-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW137-062419

Manual Integrations
 APPROVED

mohammad
 7/5/2019 8:54:38 AM

Quant Time: Jul 04 01:42:23 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	643	0.40	ng	-0.01
7) Naphthalene-d8	10.43	136	2189	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	1808	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	5662	0.40	ng	0.00
27) Chrysene-d12	21.25	240	7466	0.40	ng	0.00
34) Perylene-d12	23.66	264	8777	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.20	112	634	0.39	ng	-0.01
5) Phenol-d6	6.82	99	799	0.37	ng	-0.01
8) Nitrobenzene-d5	8.81	82	708	0.33	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1650	0.40	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	561	0.44	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	2513	0.36	ng	-0.01
25) Fluoranthene-d10	19.09	212	29328	0.36	ng	0.00
29) Terphenyl-d14	19.69	244	6878	0.44	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	2611	0.108	ng	# 92
12) 2-Methylnaphthalene	12.11	142	594	0.140	ng	96
16) Acenaphthylene	14.03	152	3621	0.417	ng	99
17) Acenaphthene	14.37	154	245	0.050	ng	# 88
18) Fluorene	15.35	166	856	0.118	ng	# 79
23) Phenanthrene	17.09	178	23529	1.715	ng	99
24) Anthracene	17.19	178	2412	0.195	ng	# 90
26) Fluoranthene	19.12	202	43240	1.978	ng	98
28) Pyrene	19.48	202	60891	3.081	ng	97
30) Benzo(a)anthracene	21.22	228	29483	1.201	ng	95
31) Chrysene	21.27	228	37273	1.512	ng	95
32) Bis(2-ethylhexyl)phthalate	21.15	149	21694	0.568	ng	100
33) Indeno(1,2,3-cd)pyrene	26.22	276	17869	0.548	ng	98
35) Benzo(b)fluoranthene	22.92	252	34392	1.445	ng	# 98
36) Benzo(k)fluoranthene	22.96	252	9797m	0.369	ng	
37) Benzo(a)pyrene	23.55	252	24577	1.030	ng	# 97
38) Dibenzo(a,h)anthracene	26.22	278	4555	0.183	ng	# 75
39) Benzo(a,h,i)perylene	27.00	276	20977	0.820	ng	99

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

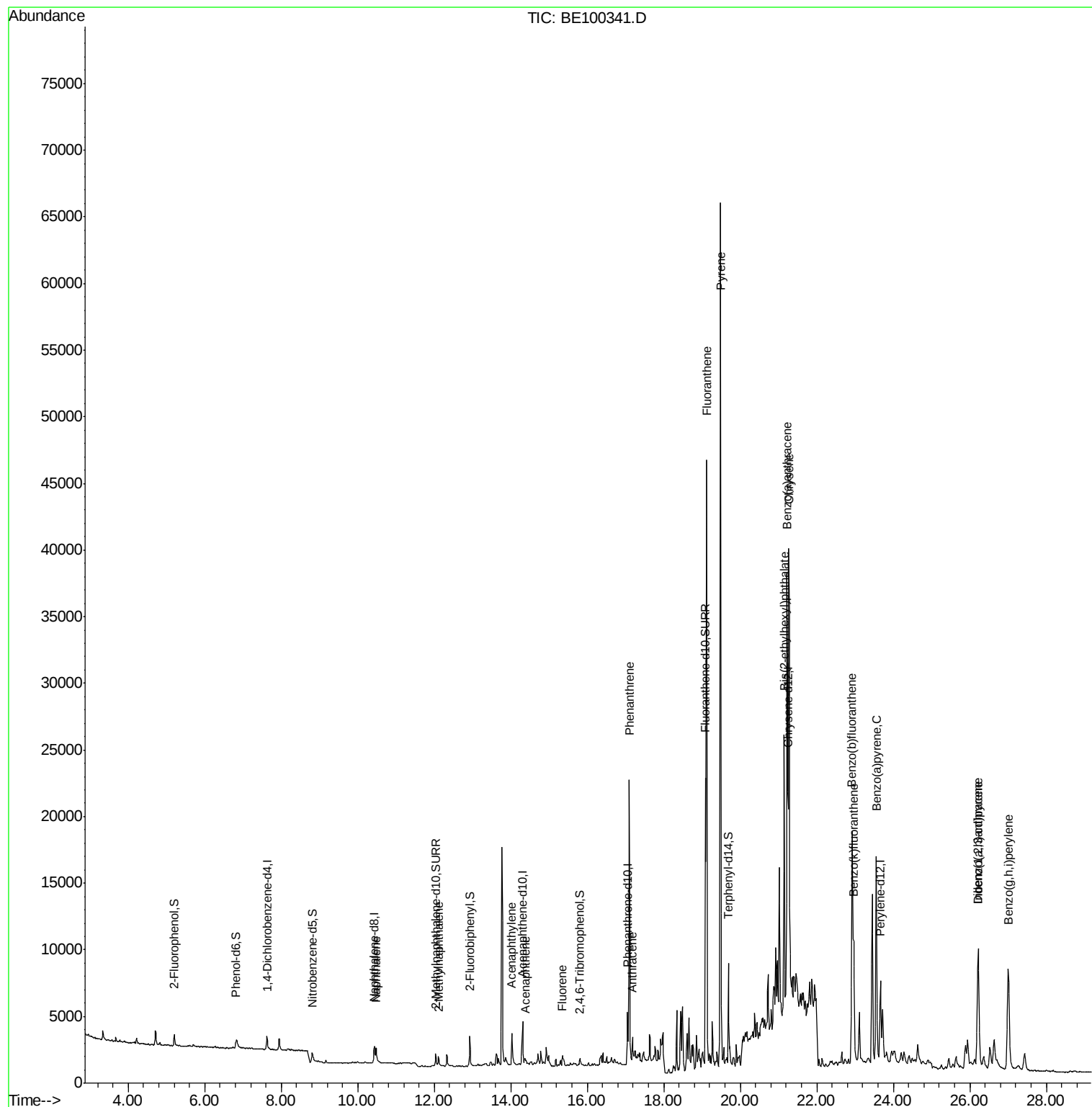
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
Data File : BE100341.D
Acq On : 3 Jul 2019 22:42
Operator : JU/SJ
Sample : K3560-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

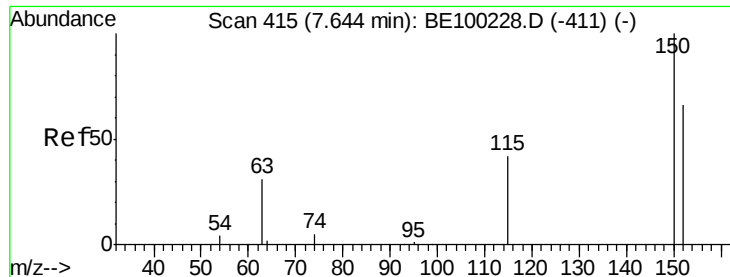
Instrument :
BNA_E
ClientSampleId :
EXT-009-SW137-062419

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7/5/2019 8:54:38 AM

Quant Time: Jul 04 01:42:23 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

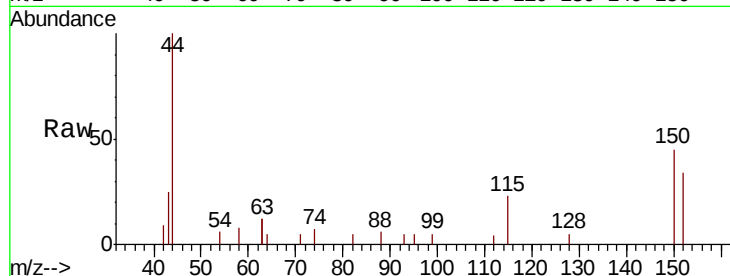
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW137-062419

Tot Ion	Ratio	Lower	Upper
152	100		
150	132.6	114.5	171.7
115	68.5	57.1	85.7

Manual Integrations
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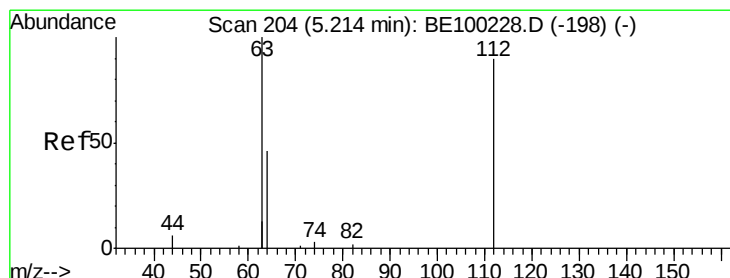
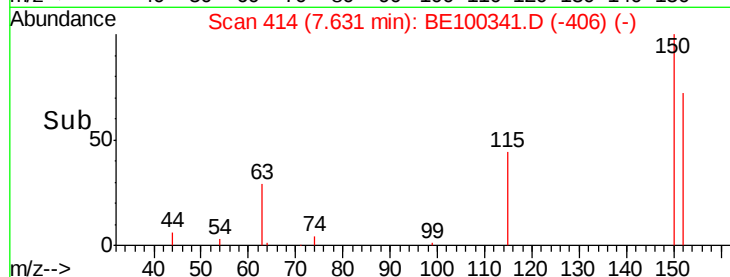
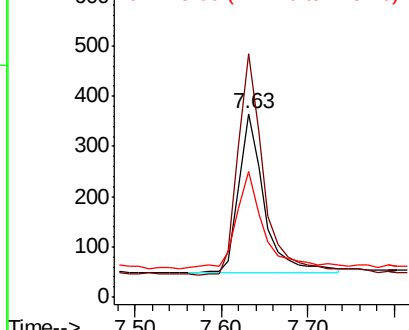


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

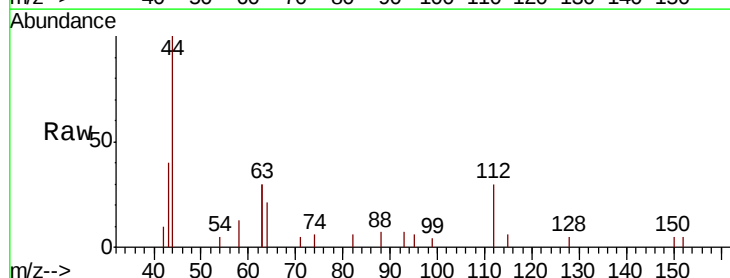
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.387 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	39.4	59.0
63	145.9	104.5	156.7

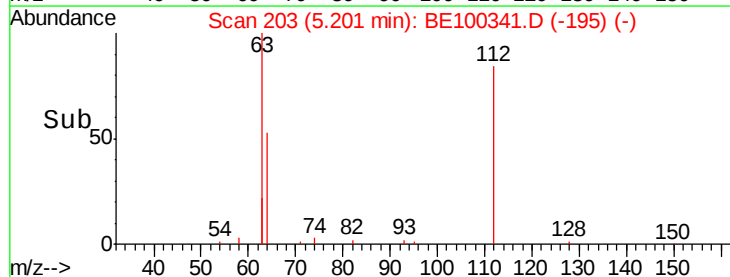
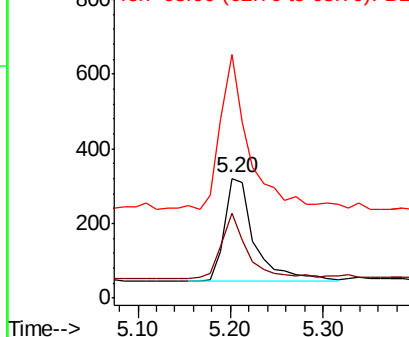


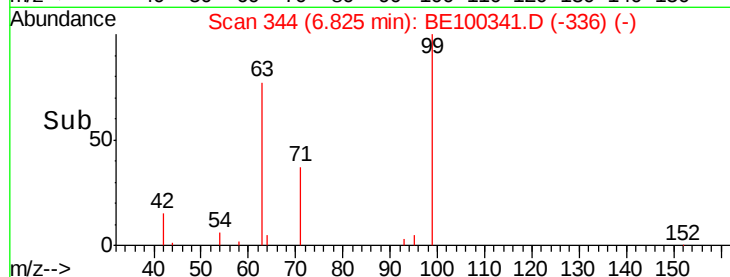
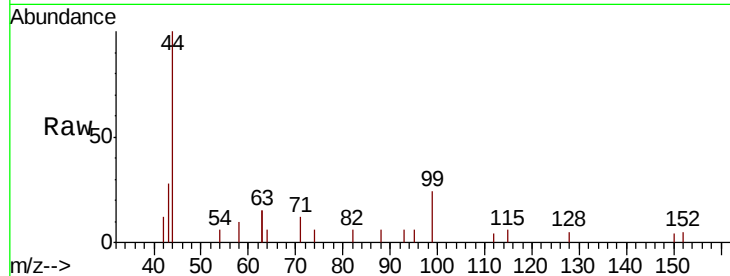
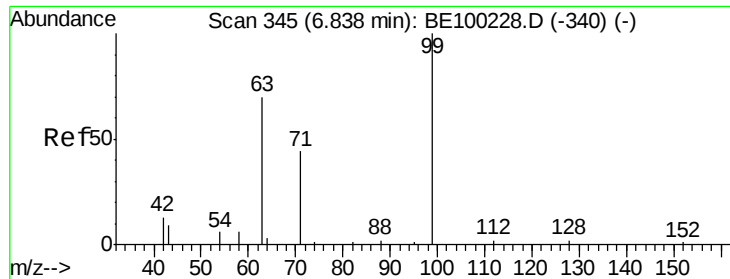
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.370 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100341.D

Acq: 3 Jul 2019 22:42

Tot Ion:	99	Resp:	799
Ion	Ratio	Lower	Upper
99	100		
42	20.3	11.2	16.8#
71	40.4	37.2	55.8

Instrument :

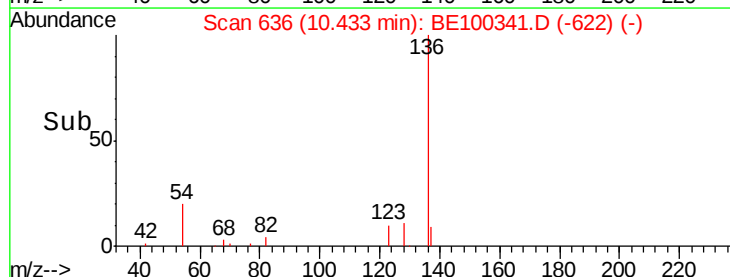
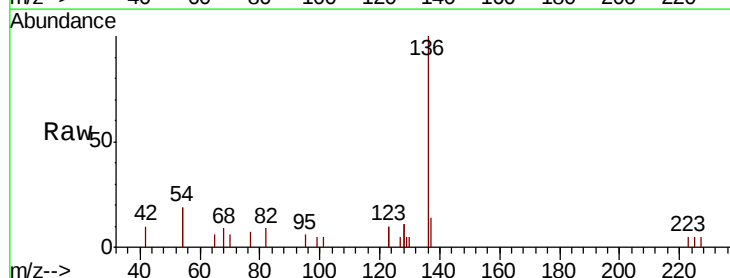
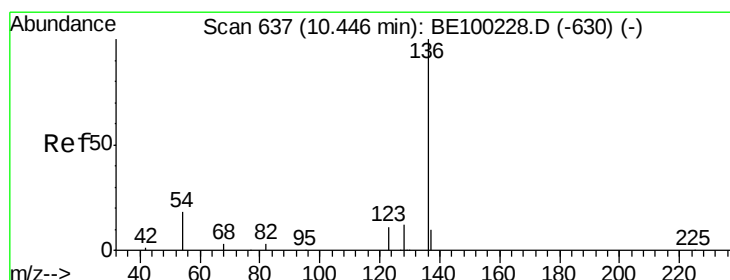
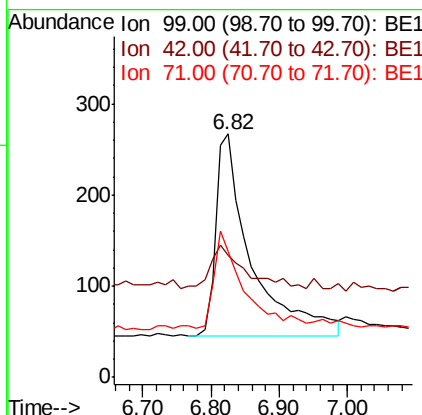
BNA_E

ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

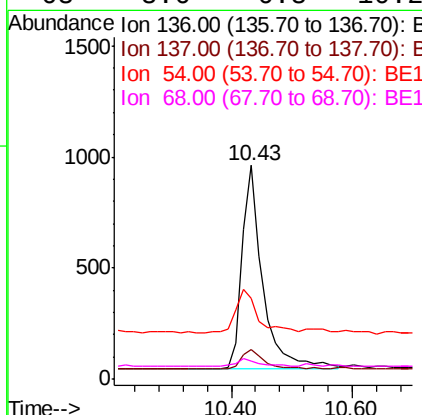
RT: 10.43 min Scan# 636

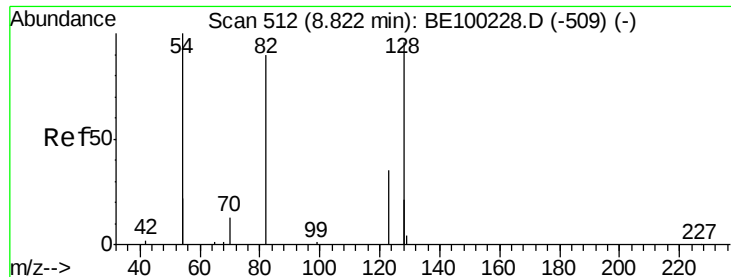
Delta R.T. -0.01 min

Lab File: BE100341.D

Acq: 3 Jul 2019 22:42

Tgt Ion:	136	Resp:	2189
Ion	Ratio	Lower	Upper
136	100		
137	14.0	11.8	17.8
54	38.0	27.7	41.5
68	8.6	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.326 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100341.D

Acq: 3 Jul 2019 22:42

Instrument :

BNA_E

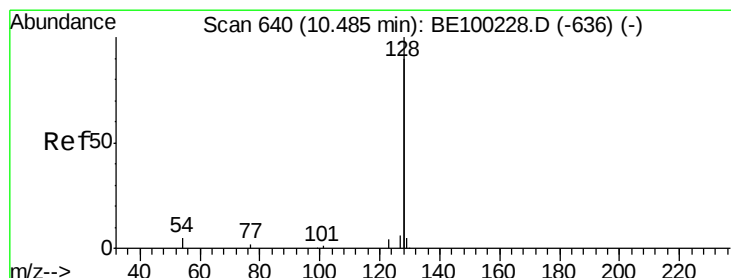
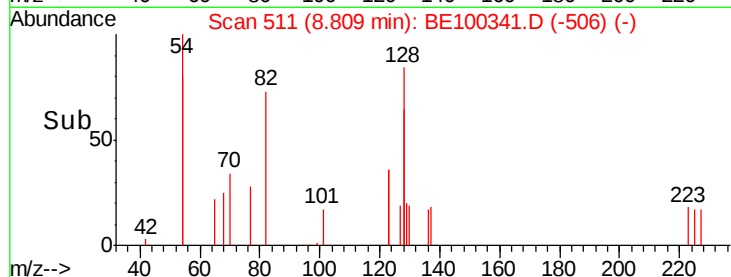
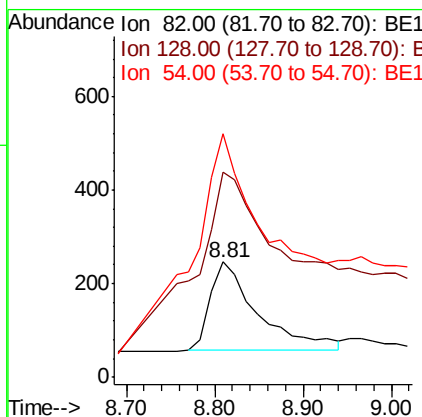
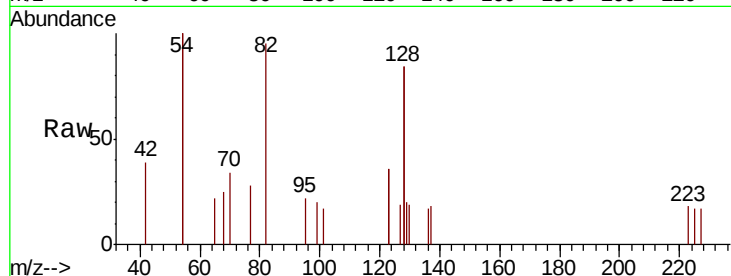
ClientSampleId :

EXT-009-SW137-062419

Tot Ion:	82	Resp:	708
Ion	Ratio	Lower	Upper
82	100		
128	178.0	140.9	211.3
54	211.4	146.2	219.2

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#9

Naphthalene

Concen: 0.108 ng

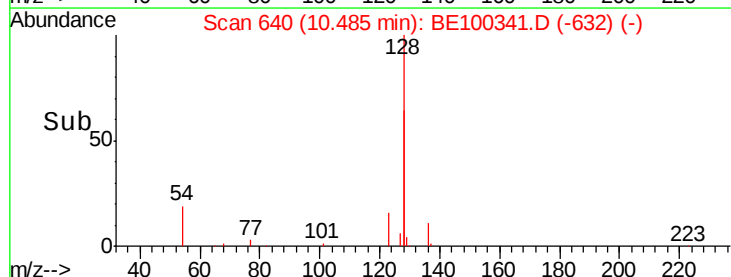
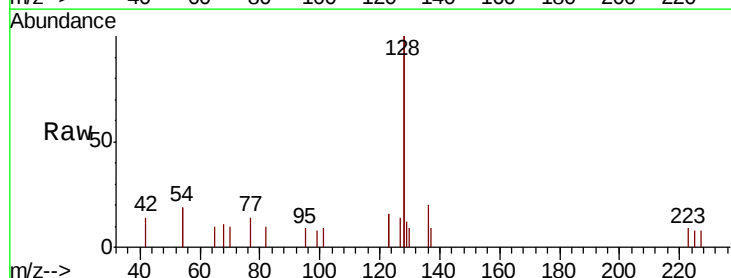
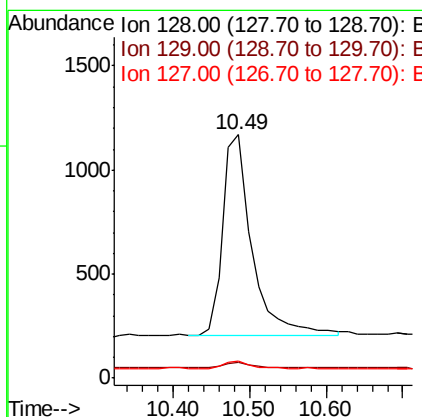
RT: 10.49 min Scan# 640

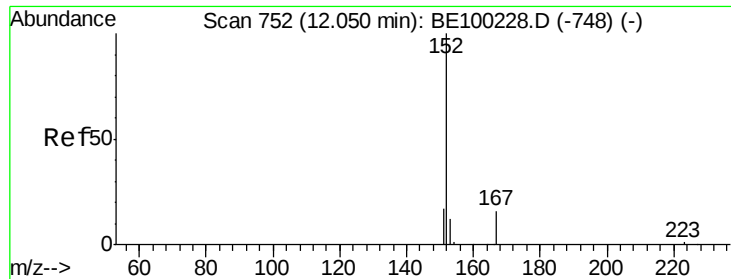
Delta R.T. 0.00 min

Lab File: BE100341.D

Acq: 3 Jul 2019 22:42

Tgt Ion:	128	Resp:	2611
Ion	Ratio	Lower	Upper
128	100		
129	6.2	3.0	4.6#
127	7.1	3.5	5.3#





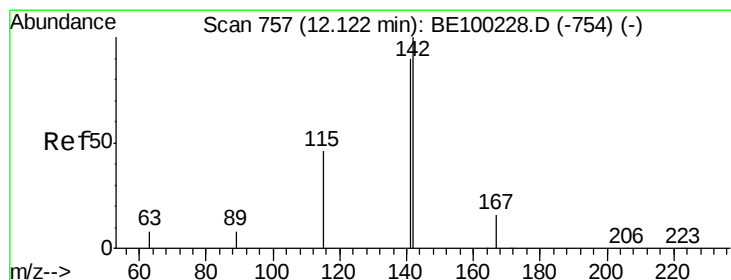
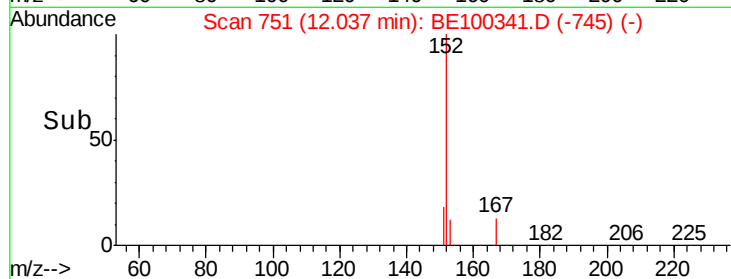
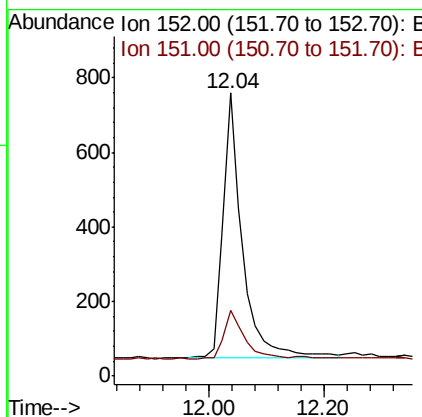
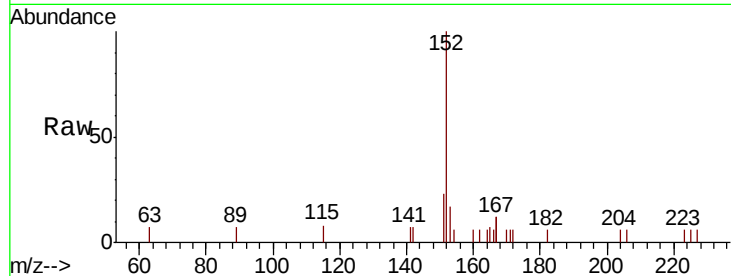
#11
2-Methylnaphthalene-d10
Concen: 0.401 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW137-062419

Tot Ion:152 Resp: 1650
Ion Ratio Lower Upper
152 100
151 19.3 15.1 22.7

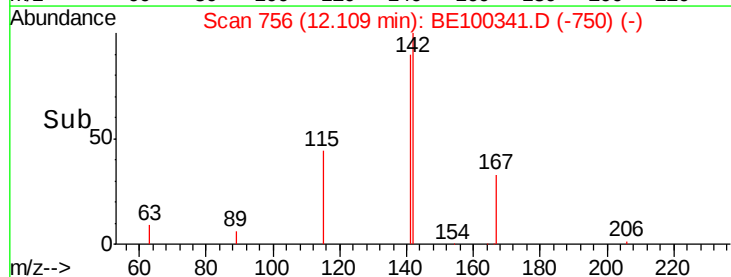
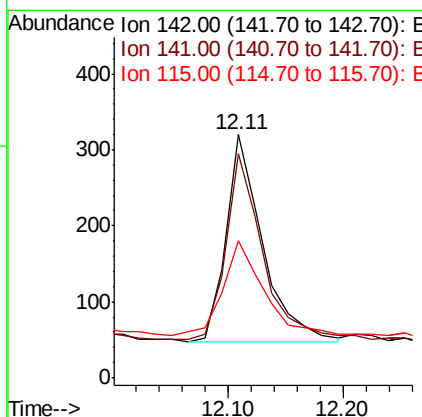
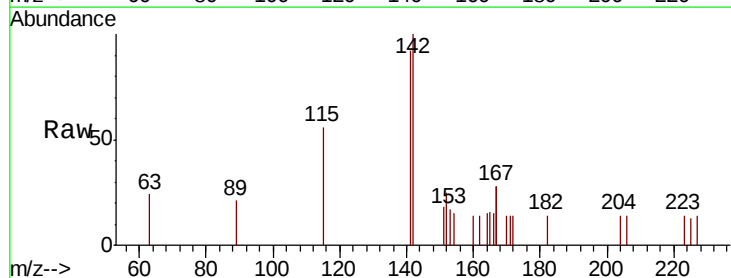
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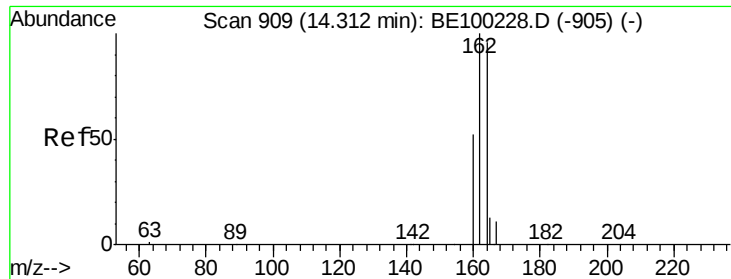
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#12
2-Methylnaphthalene
Concen: 0.140 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Tgt Ion:142 Resp: 594
Ion Ratio Lower Upper
142 100
141 91.9 72.4 108.6
115 56.3 40.4 60.6





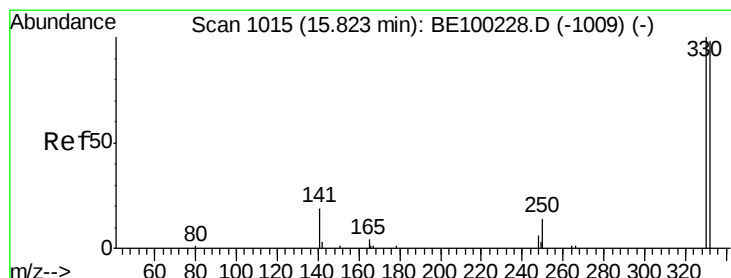
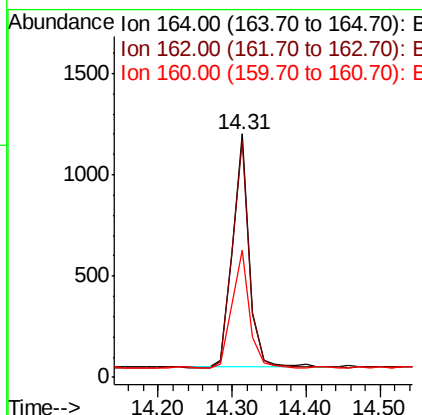
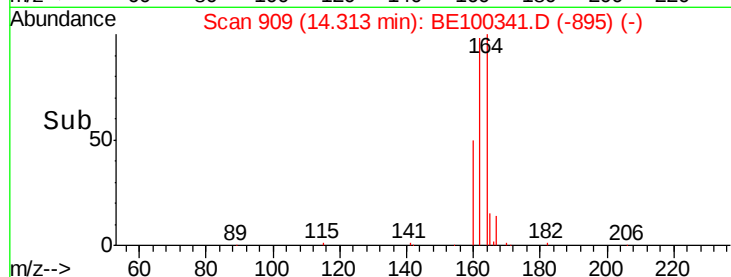
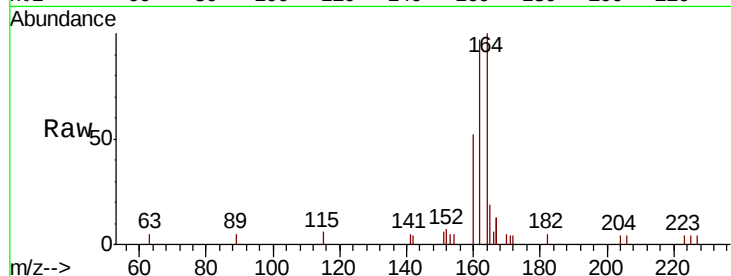
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW137-062419

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.3	83.4	125.0
160	52.1	45.0	67.6

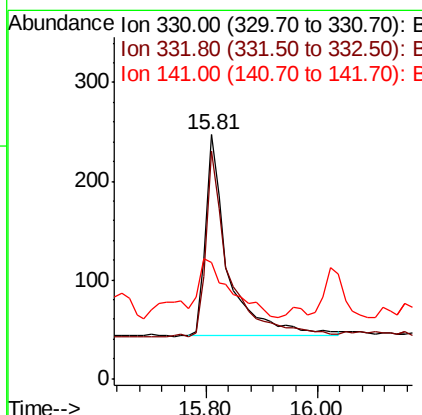
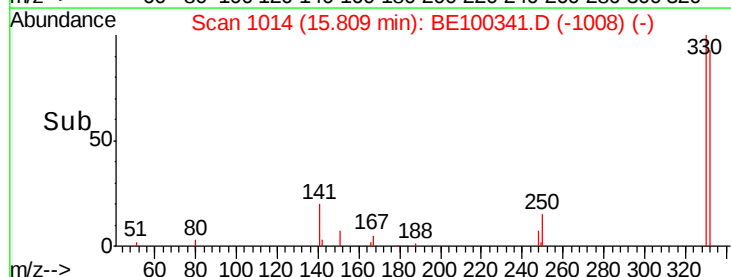
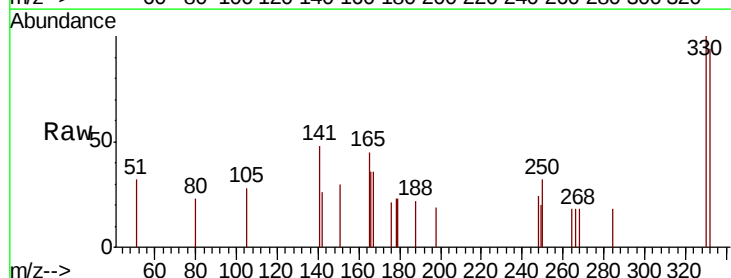
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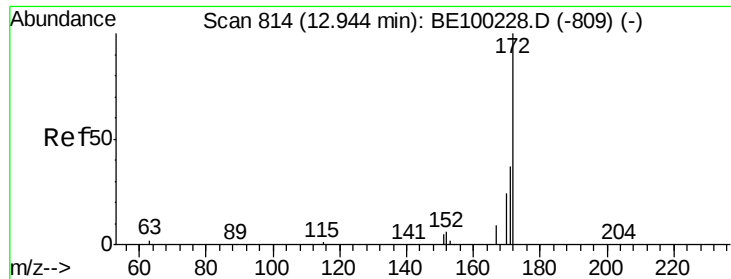
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#14
2,4,6-Tribromophenol
Concen: 0.444 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.4
141	41.0	22.0	33.0#





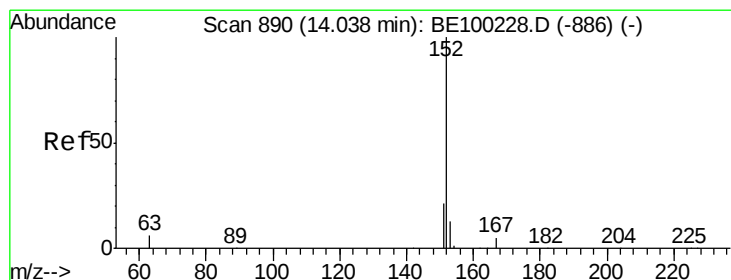
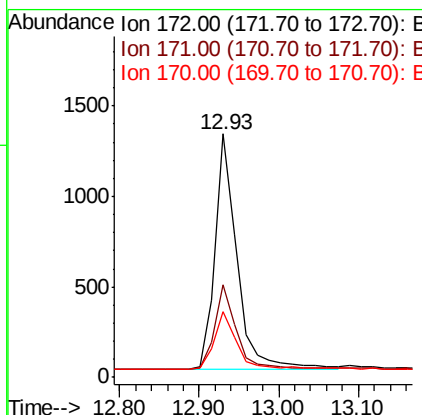
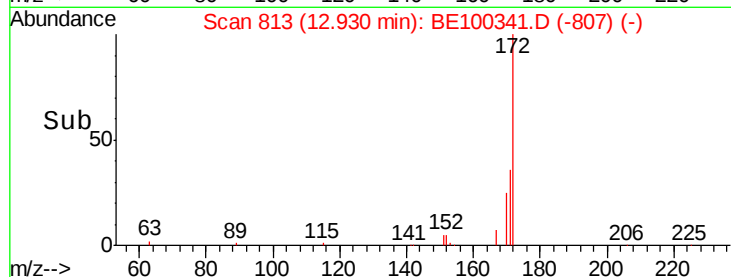
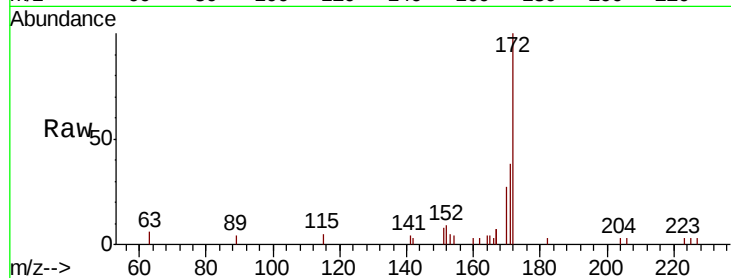
#15
2-Fluorobiphenyl
Concen: 0.357 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW137-062419

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	31.9	47.9
170	27.2	22.2	33.2

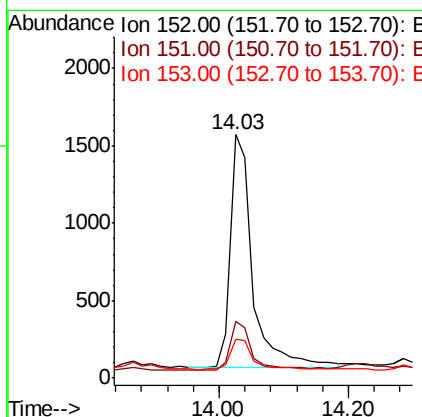
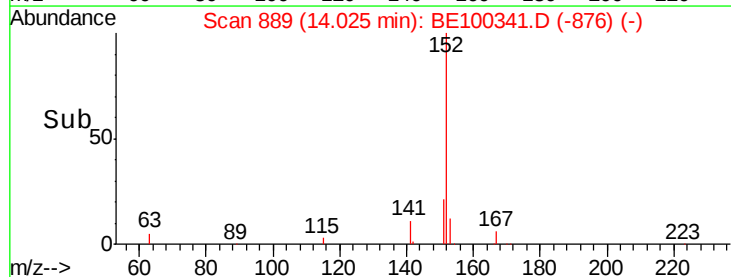
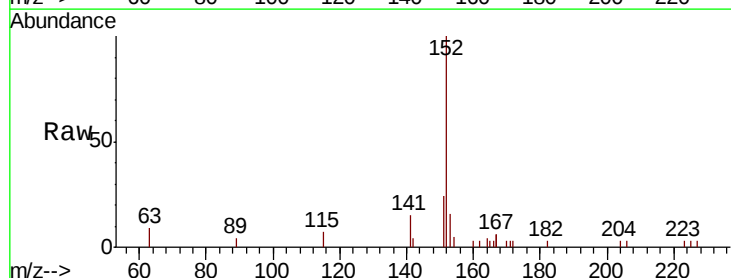
Manual Integrations
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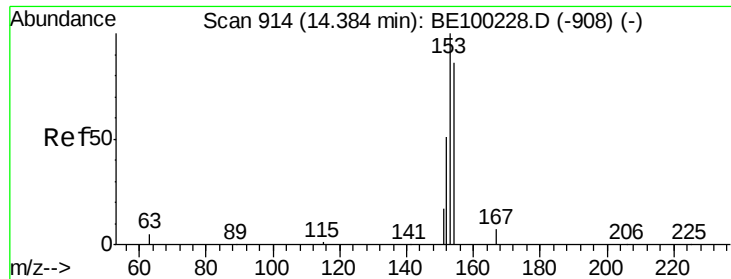
mohammad
7/5/2019 8:54:38 AM



#16
Acenaphthylene
Concen: 0.417 ng
RT: 14.03 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.6	25.0
153	13.6	10.5	15.7





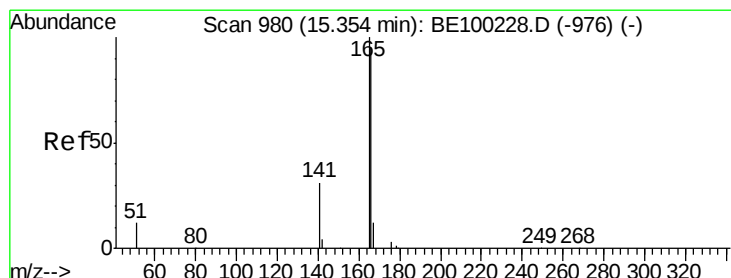
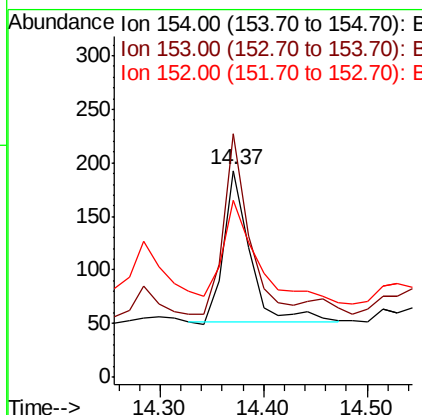
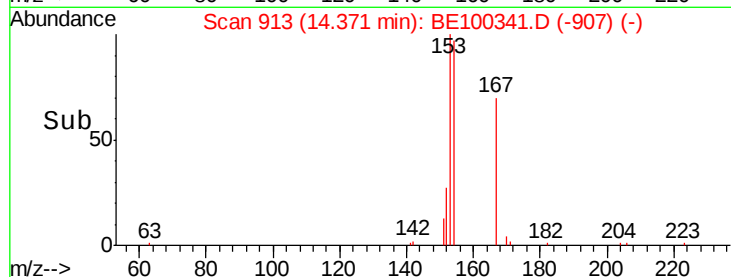
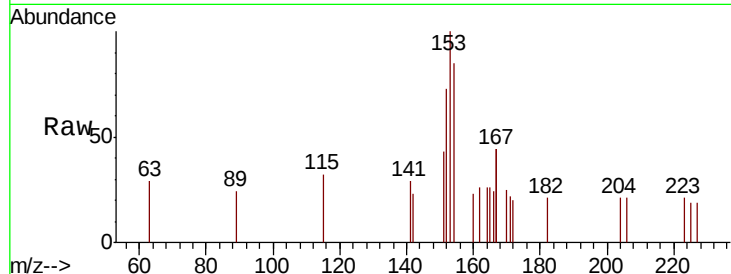
#17
Acenaphthene
Concen: 0.050 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.01 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW137-062419

Tot Ion	Ratio	Lower	Upper
154	100		
153	116.3	93.4	140.2
152	87.3	49.4	74.2

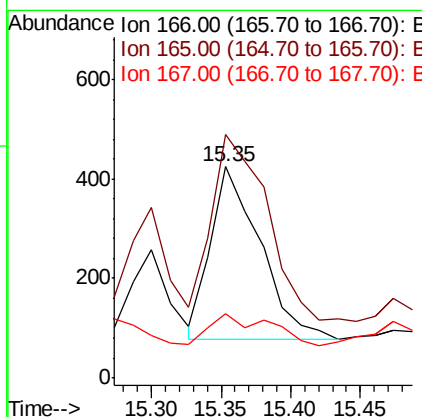
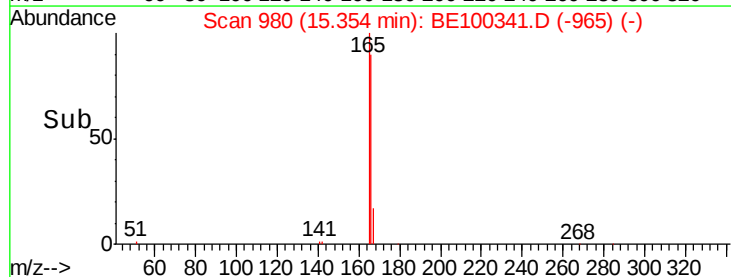
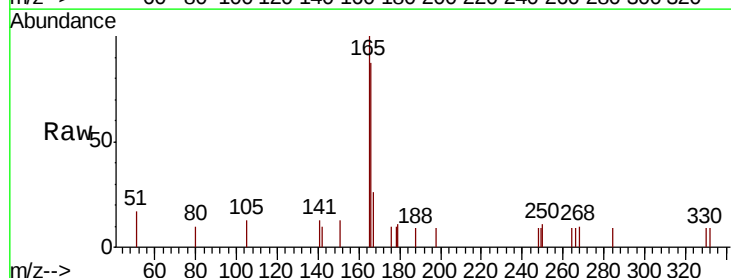
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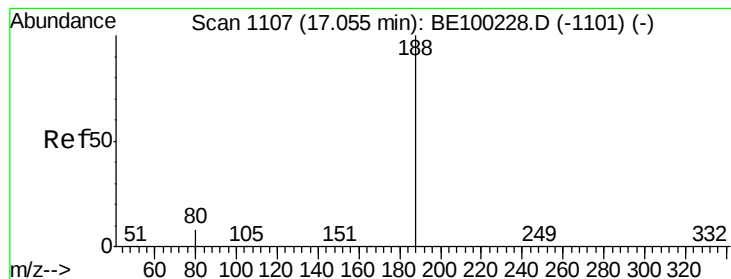
mohammad
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#18
Fluorene
Concen: 0.118 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Tgt Ion	Ratio	Lower	Upper
166	100		
165	122.3	81.1	121.7
167	22.8	10.7	16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE100341.D

Acq: 3 Jul 2019 22:42

Instrument :

BNA_E

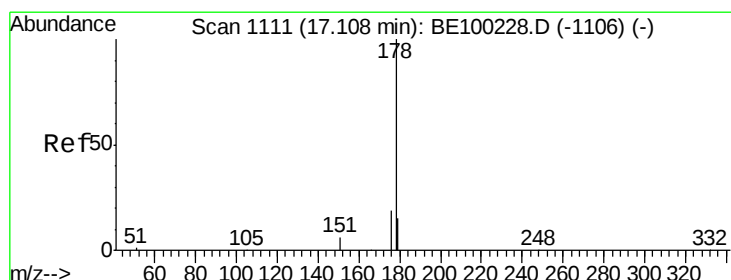
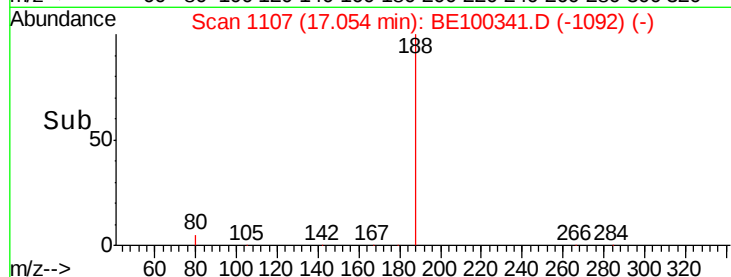
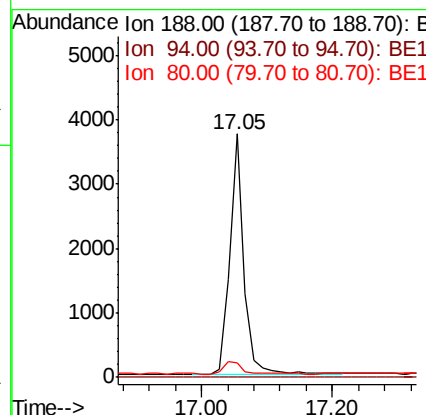
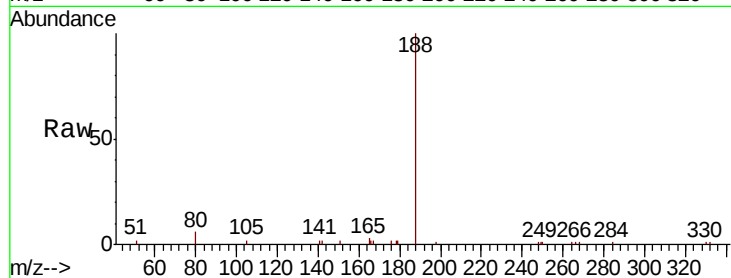
ClientSampleId :

EXT-009-SW137-062419

Tot Ion:	188	Resp:	5662
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.1	7.6	11.4#

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#23

Phenanthrene

Concen: 1.715 ng

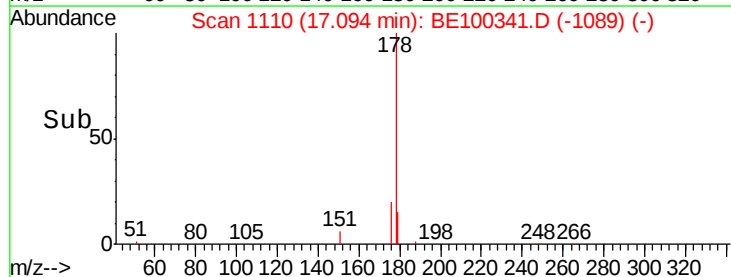
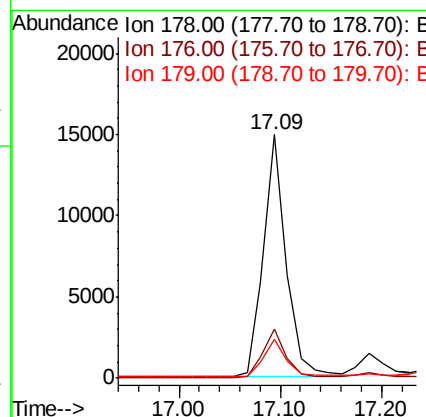
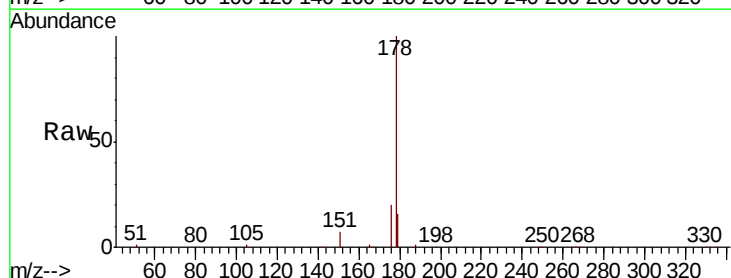
RT: 17.09 min Scan# 1110

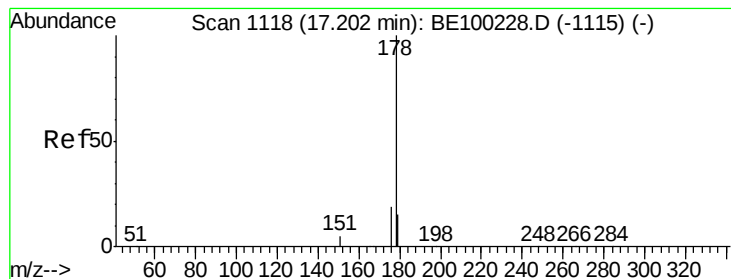
Delta R.T. -0.01 min

Lab File: BE100341.D

Acq: 3 Jul 2019 22:42

Tgt Ion:	178	Resp:	23529
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.9	23.9
179	16.1	12.2	18.2





#24

Anthracene

Concen: 0.195 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100341.D

Acq: 3 Jul 2019 22:42

Instrument :

BNA_E

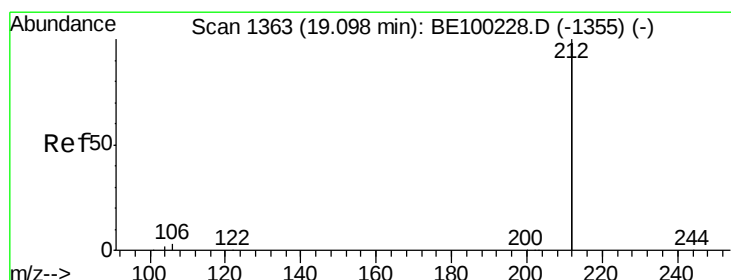
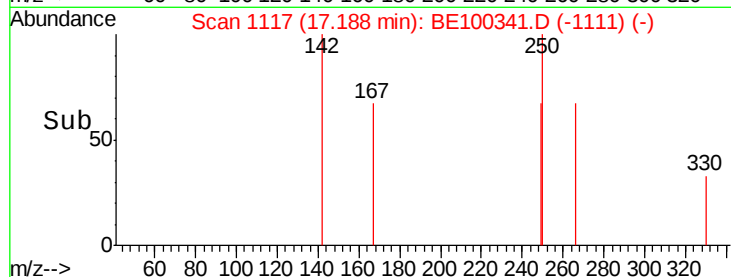
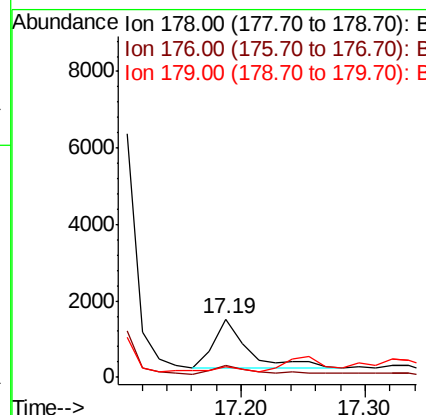
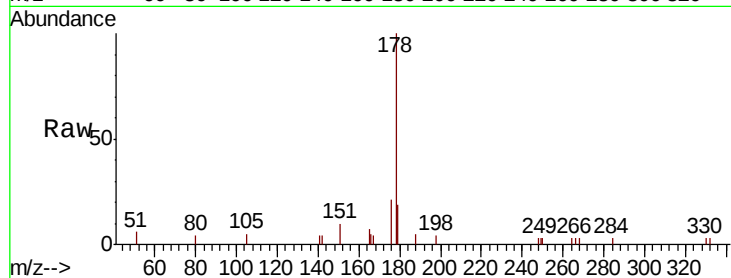
ClientSampleId :

EXT-009-SW137-062419

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	6.5	12.2	18.2

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#25

Fluoranthene-d10

Concen: 0.357 ng

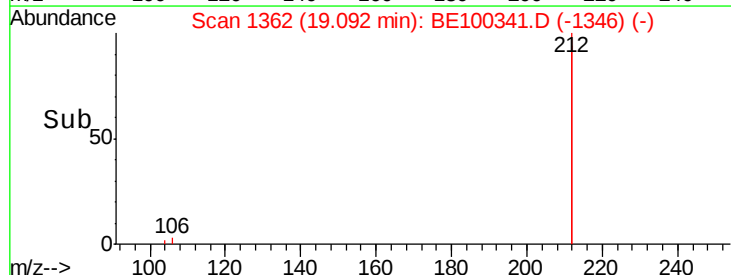
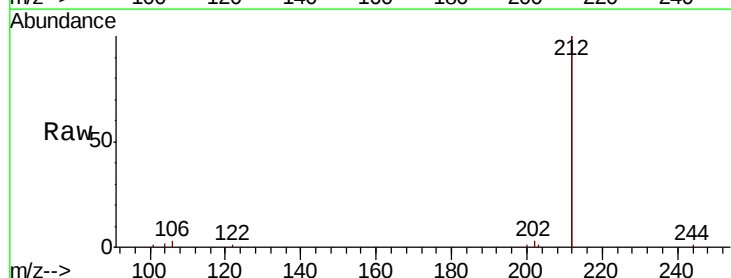
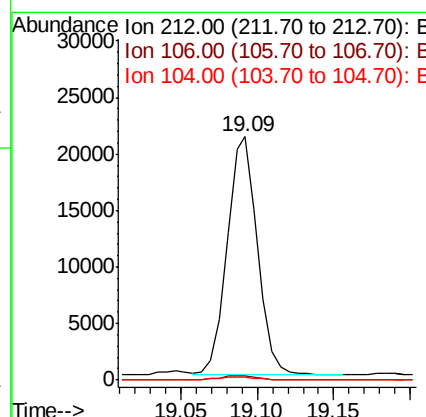
RT: 19.09 min Scan# 1362

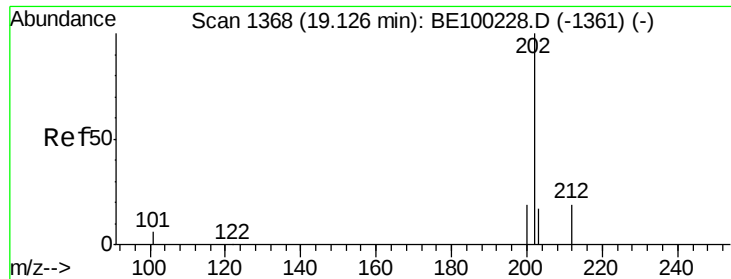
Delta R.T. -0.01 min

Lab File: BE100341.D

Acq: 3 Jul 2019 22:42

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





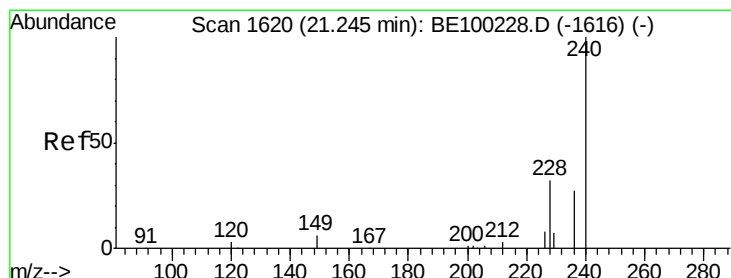
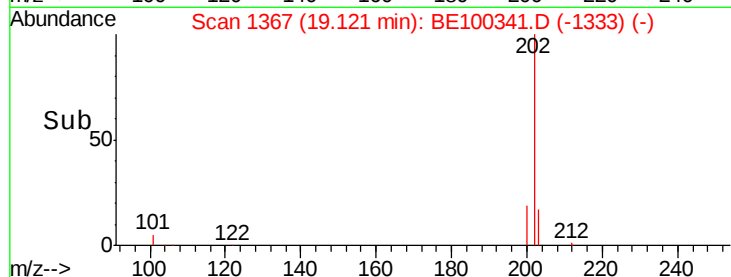
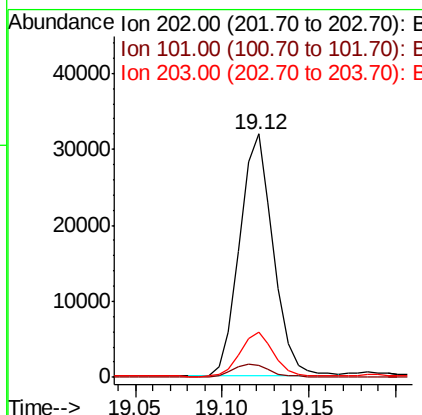
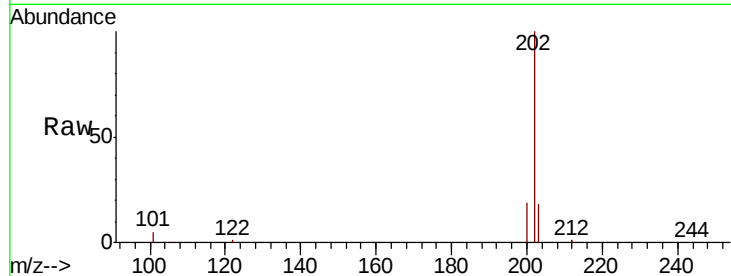
#26
Fluoranthene
Concen: 1.978 ng
RT: 19.12 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW137-062419

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.6	4.6	7.0
203	18.0	13.7	20.5

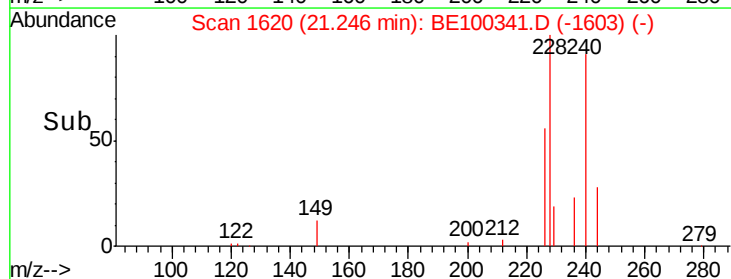
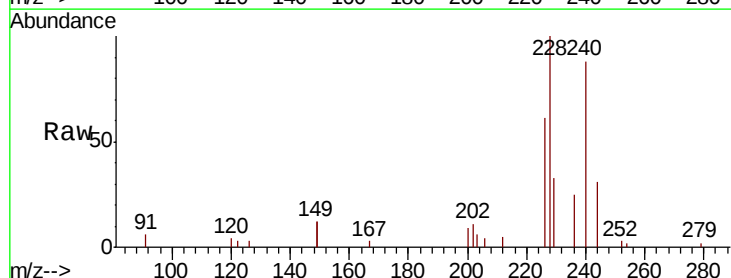
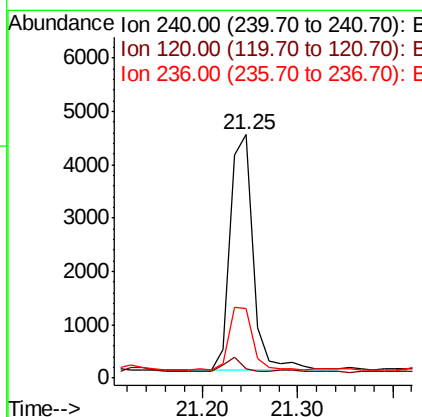
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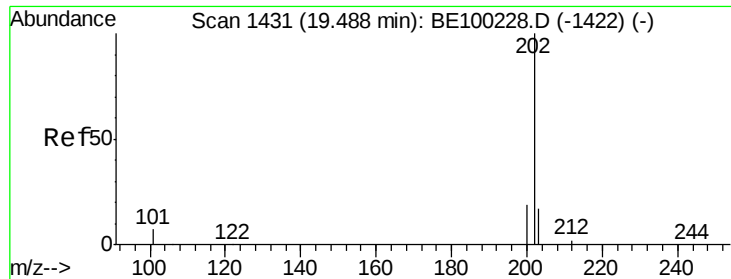
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.0	3.3	4.9
236	28.6	22.6	34.0





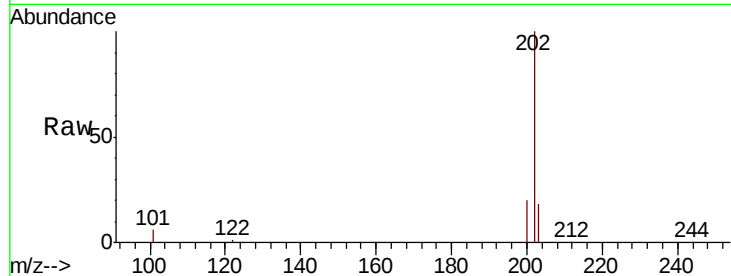
#28
Pvrene
Concen: 3.081 ng
RT: 19.48 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW137-062419

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.7	15.6	23.4	
203	20.0	14.0	21.0	

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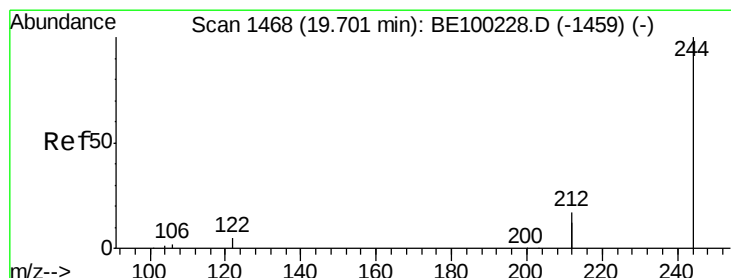
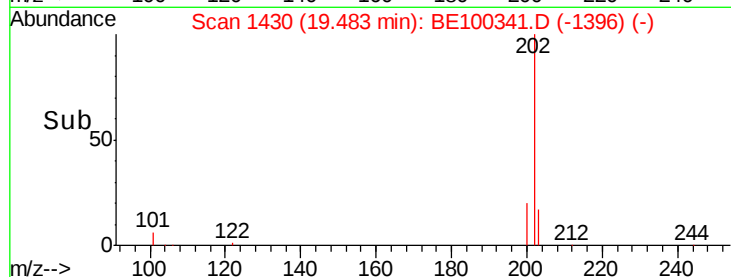
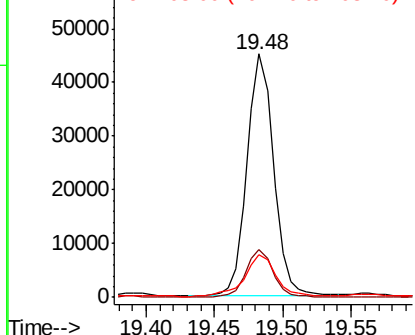


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29
Terphenyl-d14
Concen: 0.444 ng
RT: 19.69 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

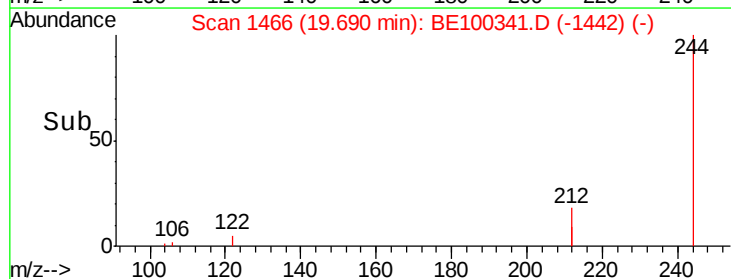
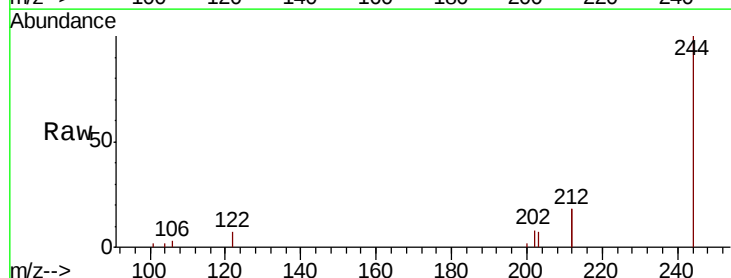
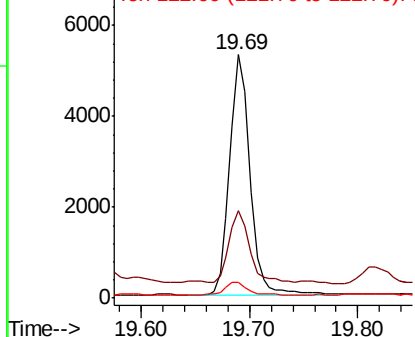
Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	36.1	27.3	40.9	
122	6.6	4.7	7.1	

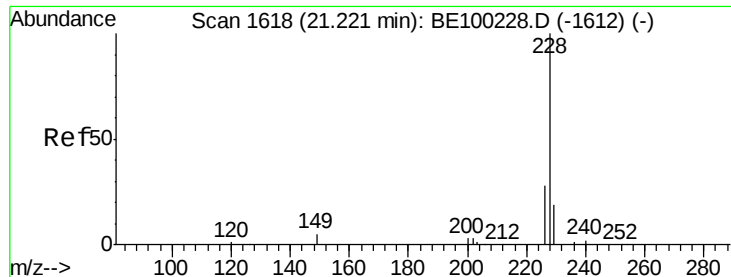
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





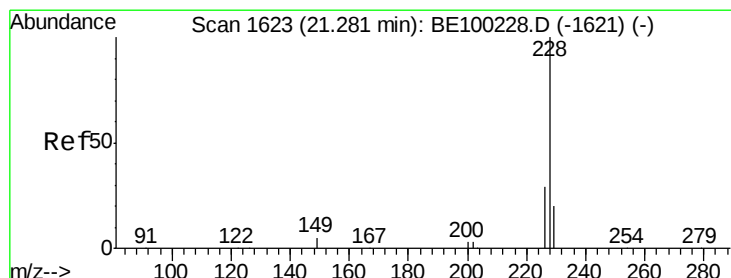
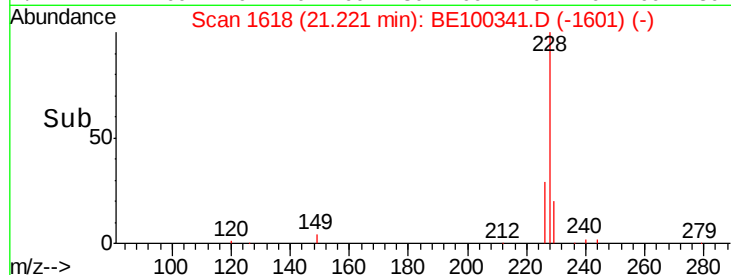
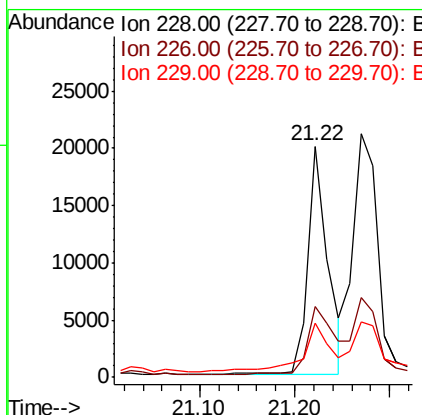
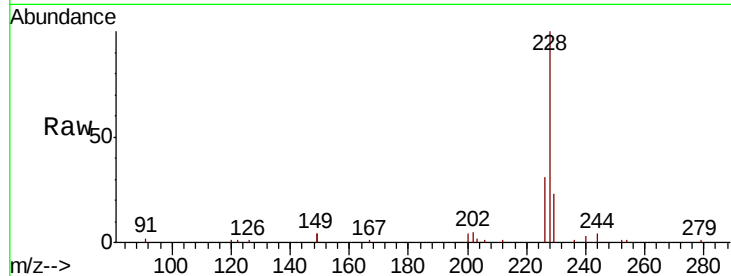
#30
Benzo(a)anthracene
Concen: 1.201 ng
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW137-062419

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.2	34.8
229	23.3	15.7	23.5

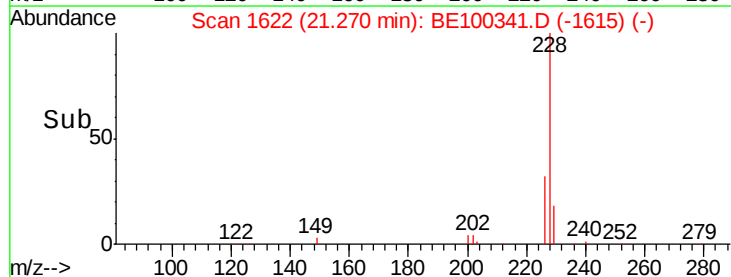
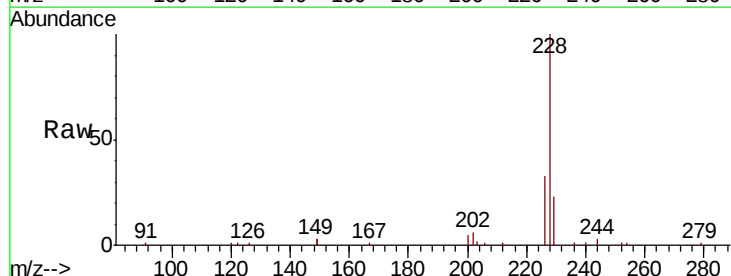
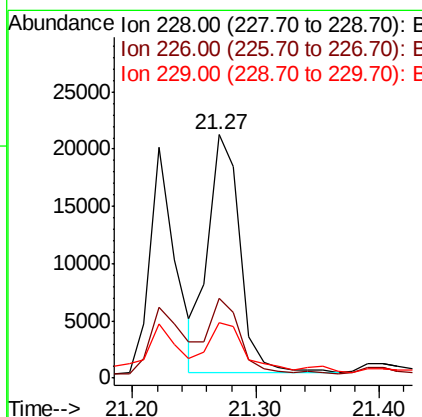
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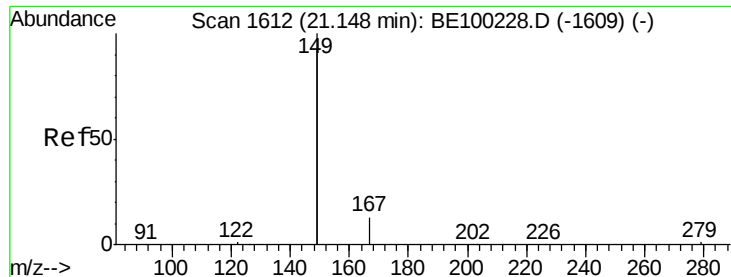
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#31
Chrysene
Concen: 1.512 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	23.9	35.9
229	22.7	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.568 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100341.D

Acq: 3 Jul 2019 22:42

Instrument :

BNA_E

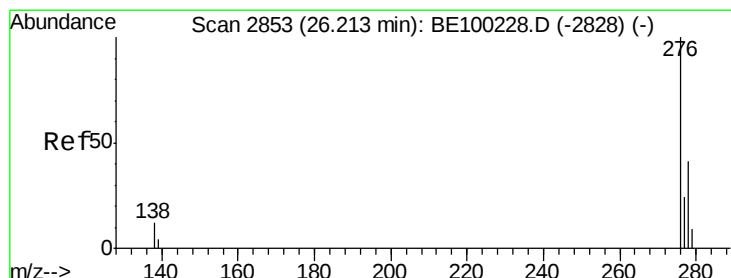
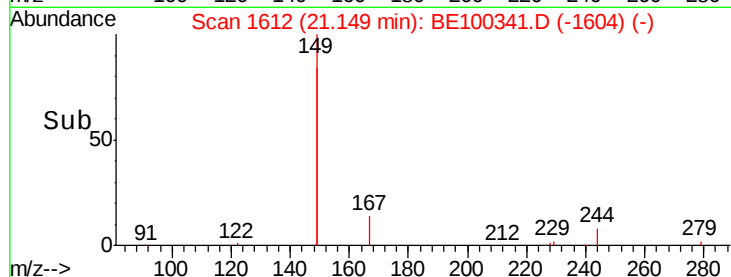
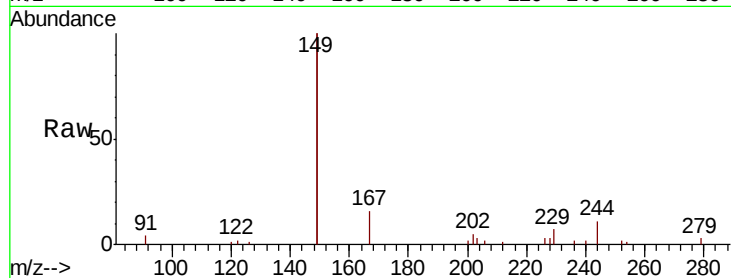
ClientSampleId :

EXT-009-SW137-062419

Tot Ion:	149	Resp:	21694
Ion Ratio	Lower	Upper	
149	100		
167	7.4	5.8	8.8
279	1.6	1.1	1.7

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.548 ng

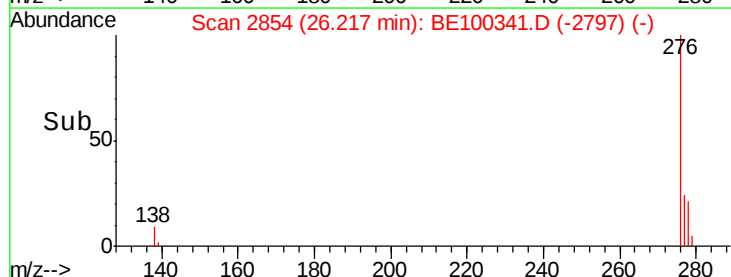
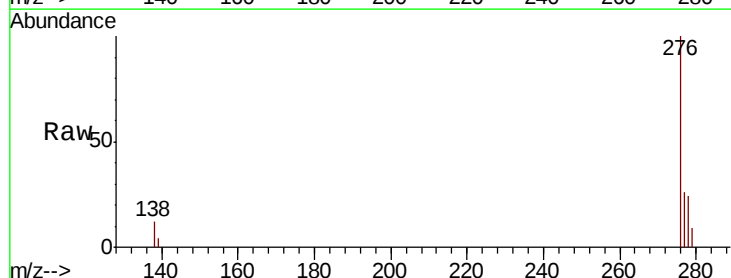
RT: 26.22 min Scan# 2854

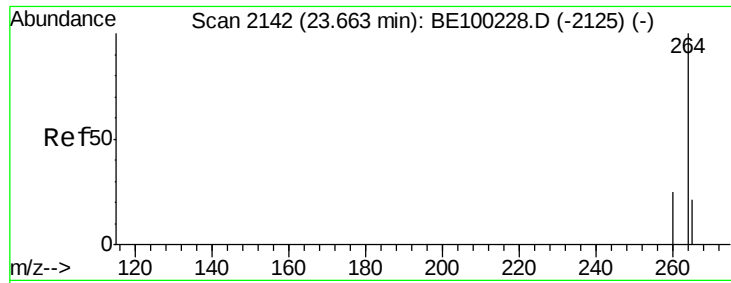
Delta R.T. 0.00 min

Lab File: BE100341.D

Acq: 3 Jul 2019 22:42

Tgt Ion:	276	Resp:	17869
Ion Ratio	Lower	Upper	
276	100		
138	9.4	9.4	14.0
277	24.2	19.2	28.8





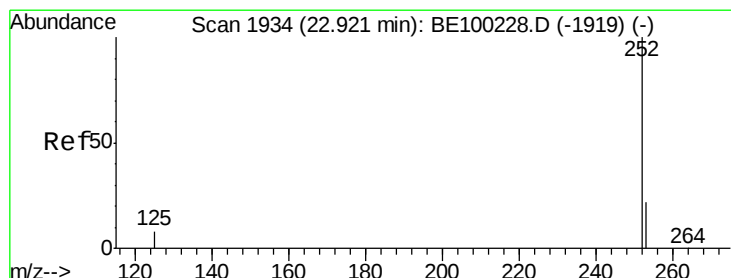
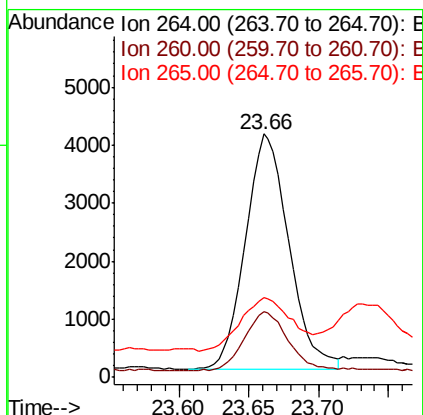
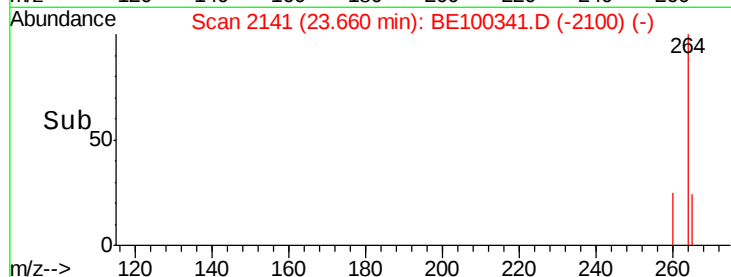
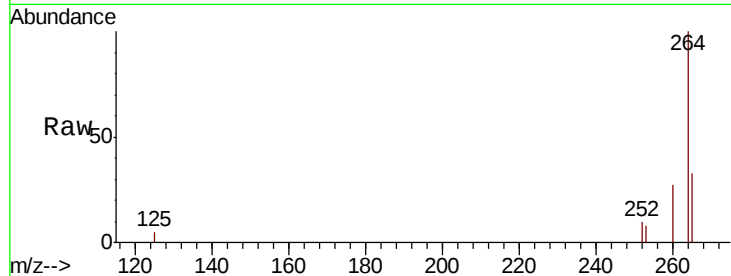
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.66 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: BE100341.D
 Acq: 3 Jul 2019 22:42

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW137-062419

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.2	20.8	31.2
265	32.9	21.8	32.6#

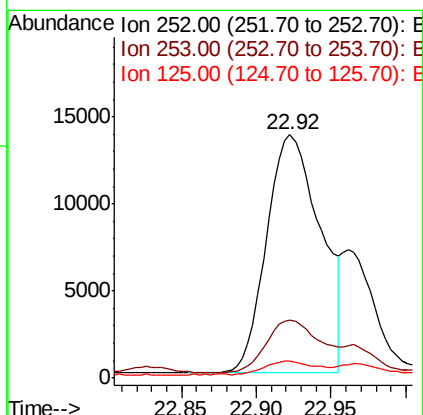
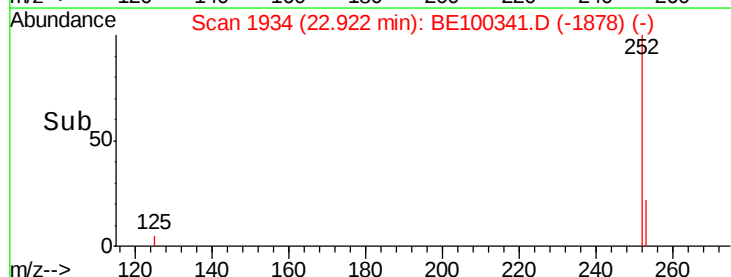
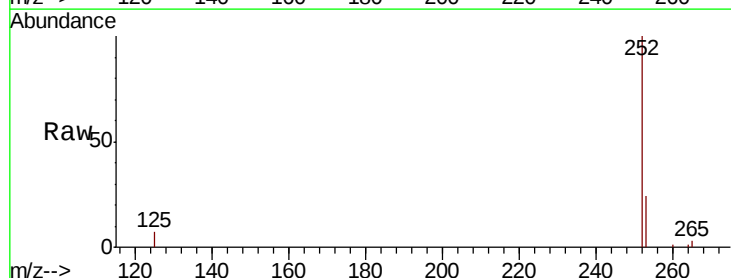
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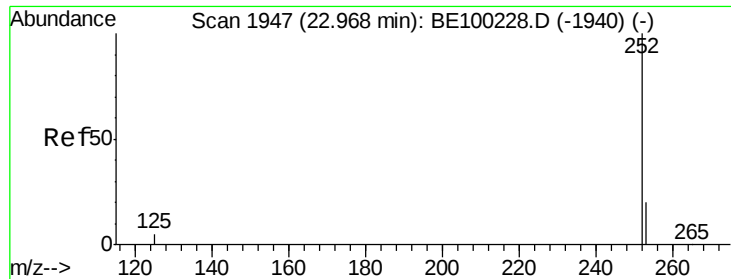
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#35
 Benzo(b)fluoranthene
 Concen: 1.445 ng
 RT: 22.92 min Scan# 1934
 Delta R.T. 0.00 min
 Lab File: BE100341.D
 Acq: 3 Jul 2019 22:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.2	28.8
125	6.8	7.4	11.0#





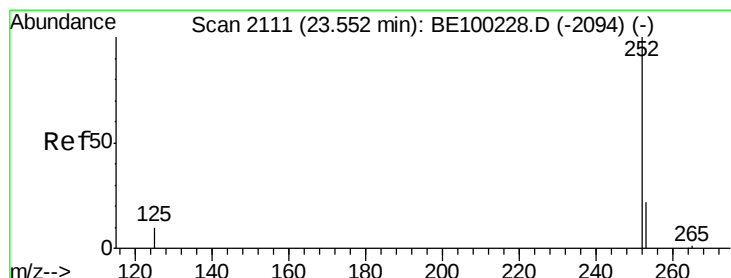
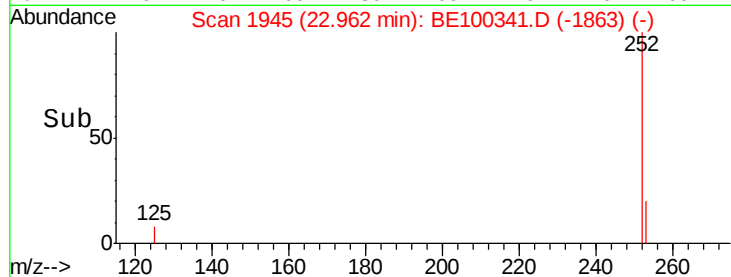
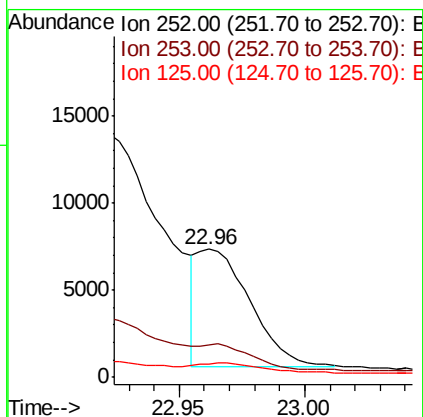
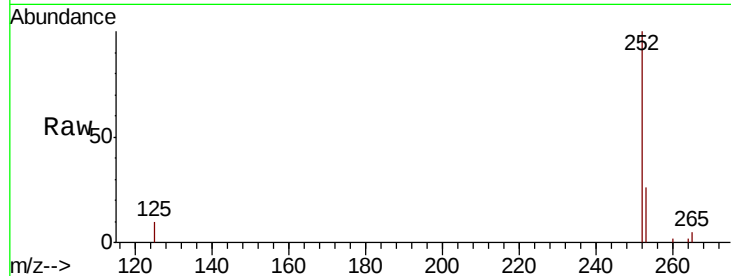
#36
Benzo(k)fluoranthene
Concen: 0.369 ng m
RT: 22.96 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW137-062419

Tot Ion:252 Resp: 9797
Ion Ratio Lower Upper
252 100
253 25.8 17.9 26.9
125 10.4 5.0 7.4#

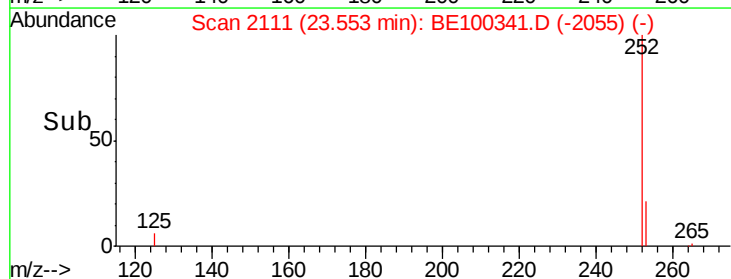
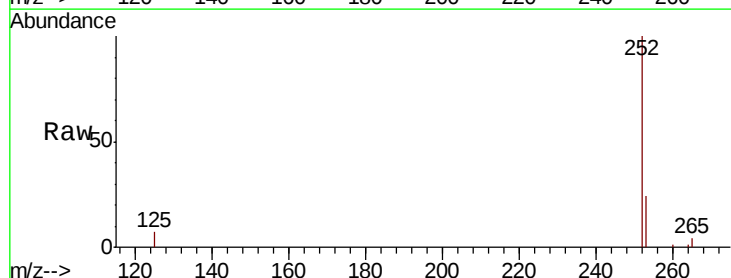
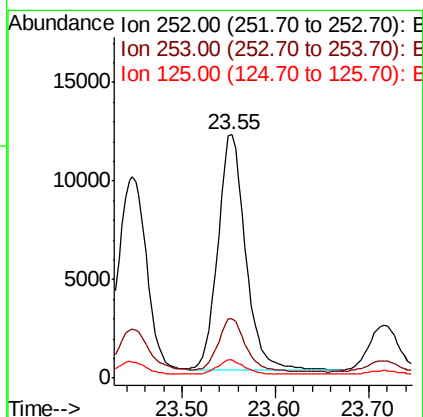
Manual Integrations
APPROVED

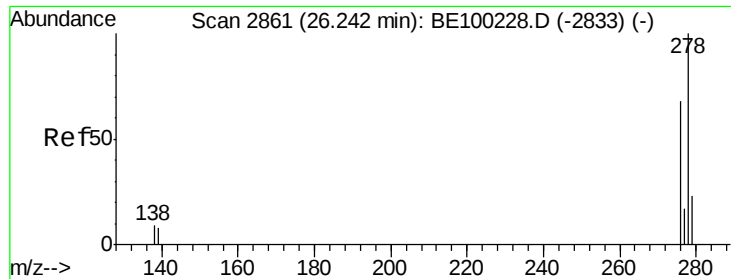
mohammad
7/5/2019 8:54:38 AM



#37
Benzo(a)pyrene
Concen: 1.030 ng
RT: 23.55 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Tgt Ion:252 Resp: 24577
Ion Ratio Lower Upper
252 100
253 24.4 19.6 29.4
125 7.3 9.0 13.6#





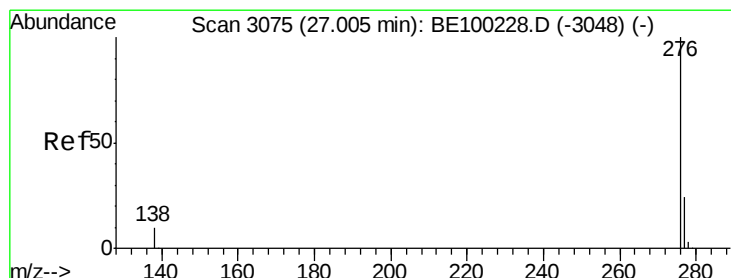
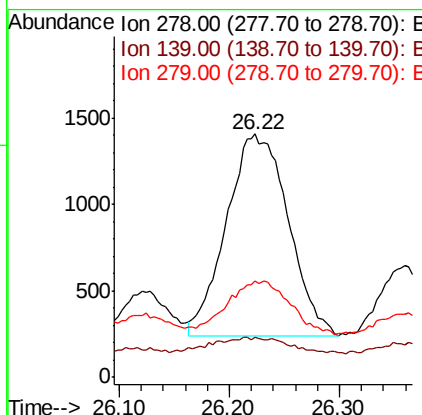
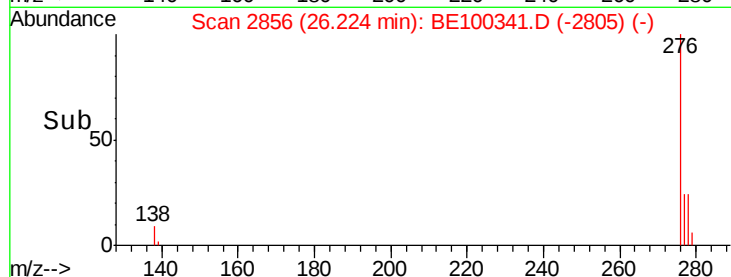
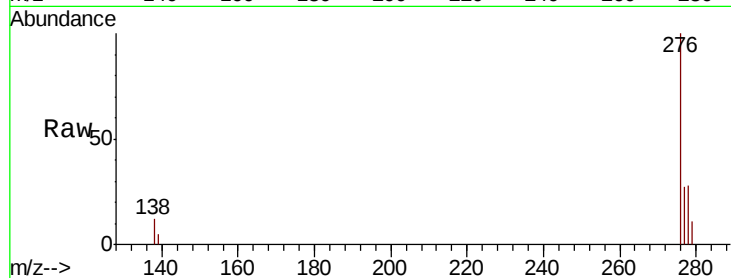
#38
Dibenzo(a,h)anthracene
Concen: 0.183 ng
RT: 26.22 min Scan# 2856
Delta R.T. -0.02 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW137-062419

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.3	8.2	12.2#
279	39.5	20.3	30.5#

Manual Integrations
APPROVED

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#39
Benzo(g,h,i)perylene
Concen: 0.820 ng
RT: 27.00 min Scan# 3074
Delta R.T. -0.00 min
Lab File: BE100341.D
Acq: 3 Jul 2019 22:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	20.2	30.2
138	11.1	9.0	13.6

