

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101119\
 Data File : BE100638.D
 Acq On : 11 Oct 2019 16:01
 Operator : JU
 Sample : K4839-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-ACIDS-WP

Quant Time: Oct 11 17:05:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 10 14:01:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	22710	0.40	ng	-0.01
7) Naphthalene-d8	10.64	136	18724	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	10871	0.40	ng	-0.01
19) Phenanthrene-d10	17.20	188	25735	0.40	ng	0.00
27) Chrysene-d12	21.37	240	29204	0.40	ng	0.00
34) Perylene-d12	23.84	264	33495	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	2732658	38.97	ng	0.01
5) Phenol-d6	7.02	99	4111388	41.57	ng	0.01
8) Nitrobenzene-d5	9.00	82	2286663	197.03	ng	0.01
11) 2-Methylnaphthalene-d10	12.22	152	513	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1057525	368.15	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	4633447	116.98	ng	0.00
25) Fluoranthene-d10	19.22	212	4532	0.01	ng	0.00
29) Terphenyl-d14	19.83	244	6941688	108.72	ng	0.00

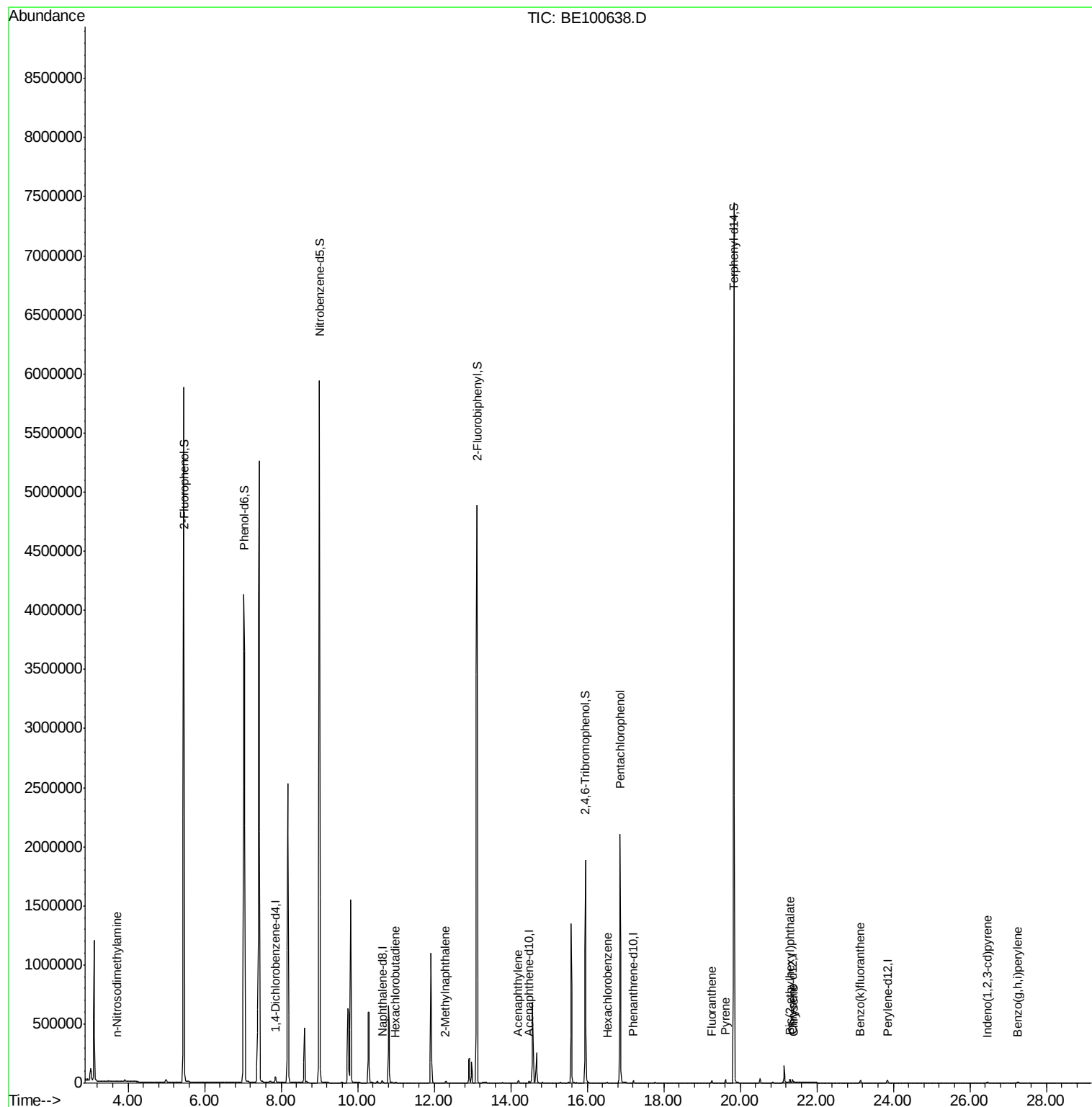
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.70	42	2742	0.064	ng	# 83
10) Hexachlorobutadiene	10.99	225	3953	0.462	ng	97
12) 2-Methylnaphthalene	12.30	142	10898	0.325	ng	95
16) Acenaphthylene	14.20	152	23270	0.497	ng	100
21) Hexachlorobenzene	16.52	284	4345	0.348	ng	99
22) Pentachlorophenol	16.85	266	986691	245.493	ng	98
26) Fluoranthene	19.25	202	22274	0.241	ng	100
28) Pyrene	19.62	202	25082	0.307	ng	99
31) Chrysene	21.40	228	11344	0.119	ng	98
32) Bis(2-ethylhexyl)phthalate	21.31	149	38524	0.193	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.45	276	16919	0.145	ng	# 94
36) Benzo(k)fluoranthene	23.13	252	35717	0.356	ng	99
39) Benzo(a,h,i)perylene	27.25	276	25767	0.273	ng	98

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

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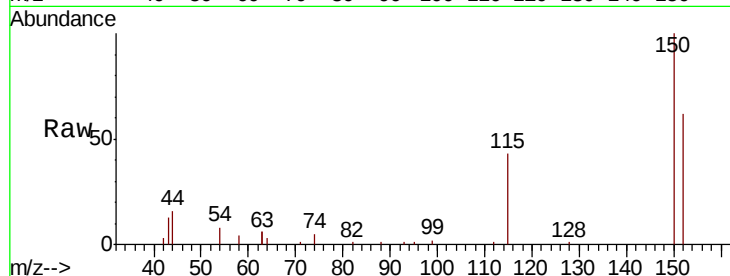


#1

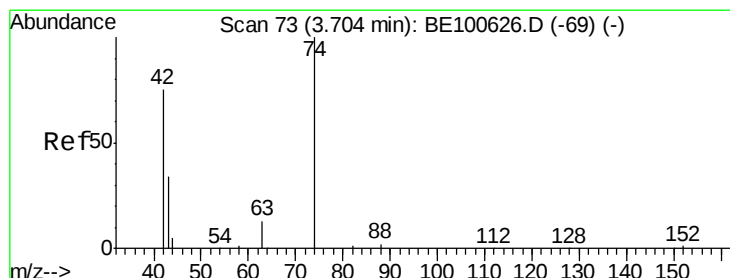
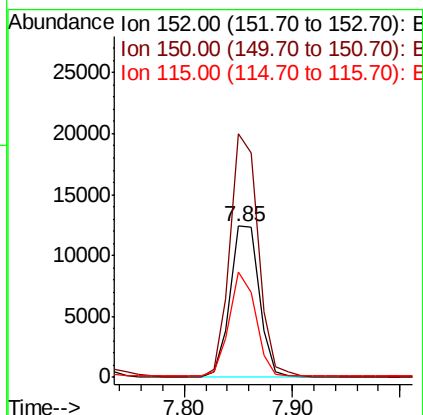
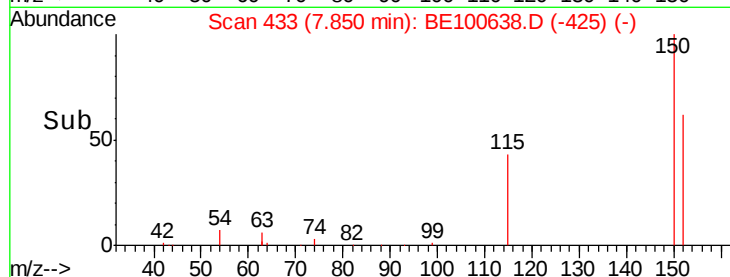
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

Instrument :
BNA_E
ClientSampleId :
PT-ACIDS-WP

Tot Ion:152 Resp: 22710
Ion Ratio Lower Upper
152 100
150 161.4 120.7 181.1
115 70.1 48.0 72.0



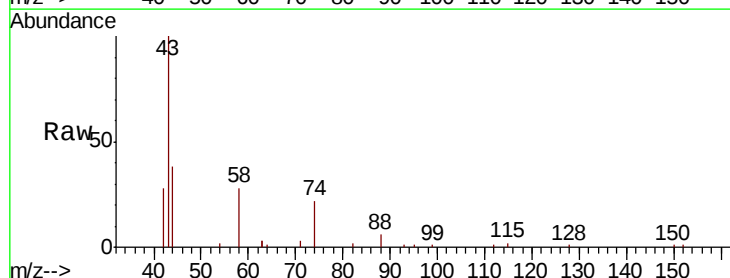
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



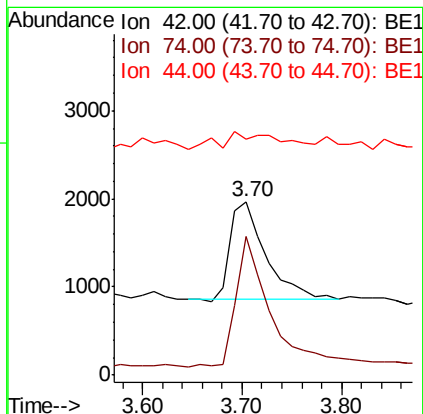
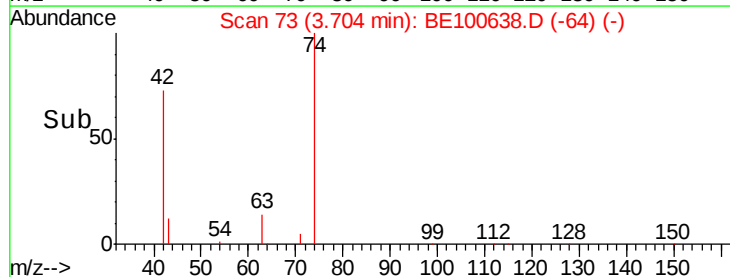
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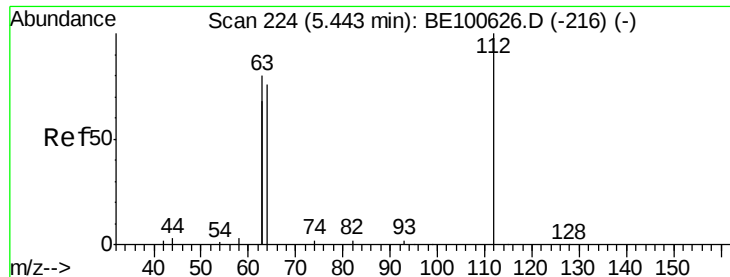
n-Nitrosodimethylamine
Concen: 0.064 ng
RT: 3.70 min Scan# 73
Delta R.T. 0.00 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

Tgt Ion: 42 Resp: 2742
Ion Ratio Lower Upper
42 100
74 129.6 91.7 137.5
44 27.9 8.2 12.2#



Abundance Ion 42.00 (41.70 to 42.70): BE1
Ion 74.00 (73.70 to 74.70): BE1
Ion 44.00 (43.70 to 44.70): BE1





#4

2-Fluorophenol

Concen: 38.967 ng

RT: 5.45 min Scan# 225

Delta R.T. 0.01 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

Instrument :

BNA_E

ClientSampleId :

PT-ACIDS-WP

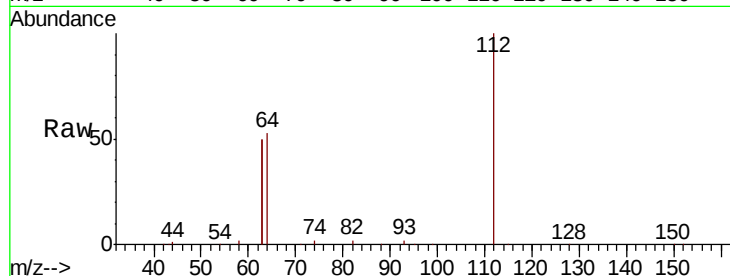
Tot Ion:112 Resp: 2732658

Ion Ratio Lower Upper

112 100

64 75.1 58.9 88.3

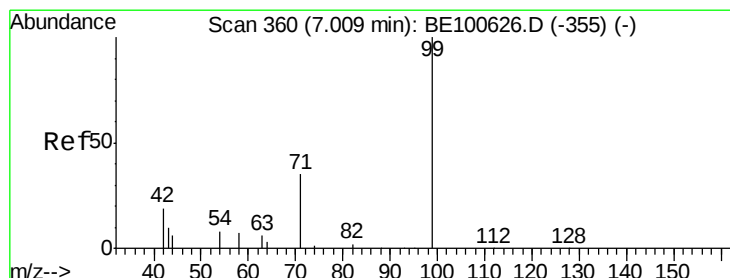
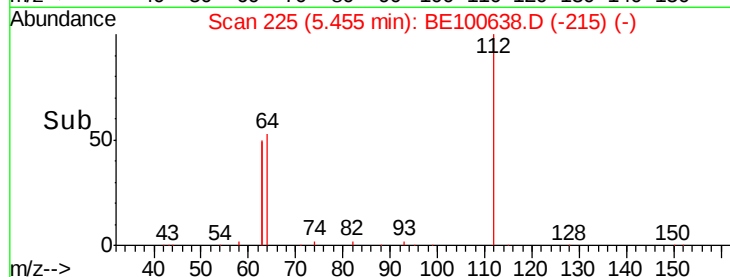
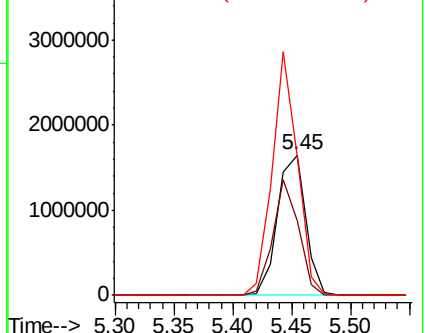
63 154.7 118.3 177.5



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



#5

Phenol-d6

Concen: 41.572 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.01 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

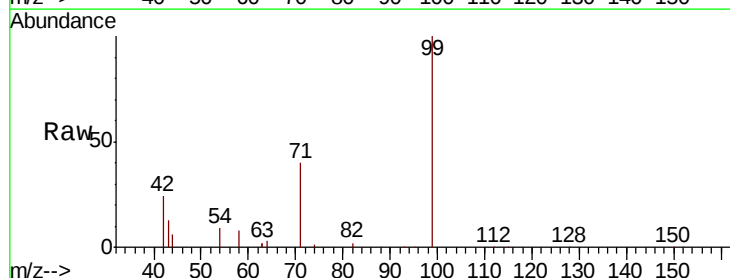
Tgt Ion: 99 Resp: 4111388

Ion Ratio Lower Upper

99 100

42 23.6 19.4 29.2

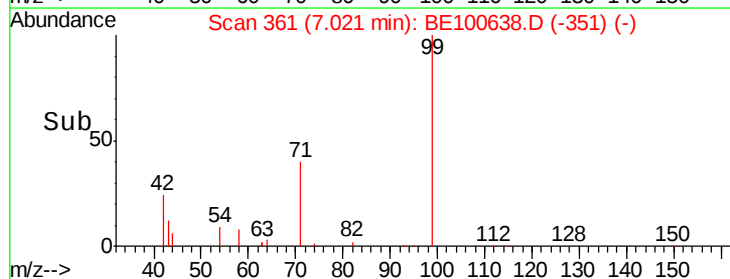
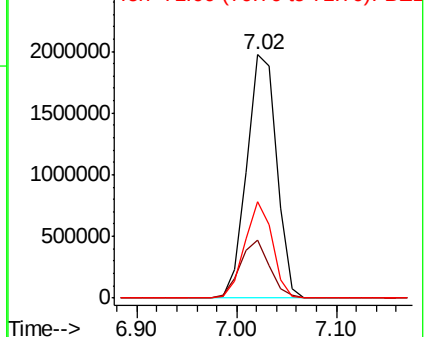
71 36.6 26.9 40.3

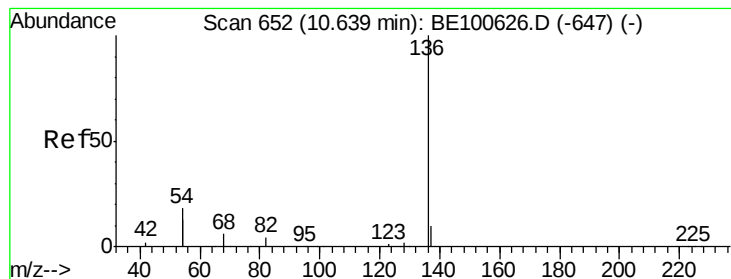


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

Instrument :

BNA_E

ClientSampleId :

PT-ACIDS-WP

Tot Ion:136 Resp: 18724

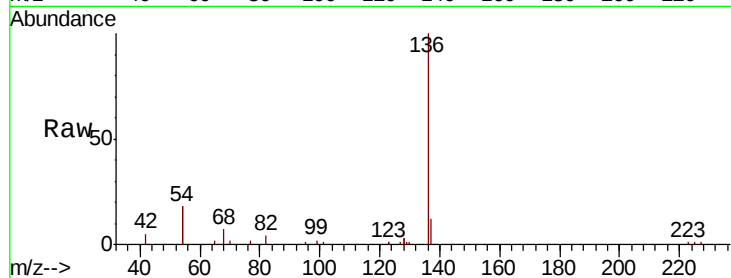
Ion Ratio Lower Upper

136 100

137 11.5 8.6 13.0

54 35.3 28.7 43.1

68 7.1 5.9 8.9

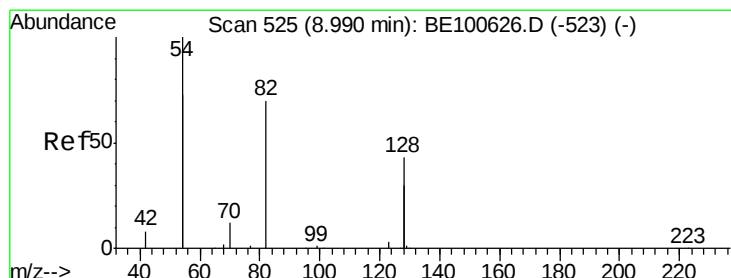
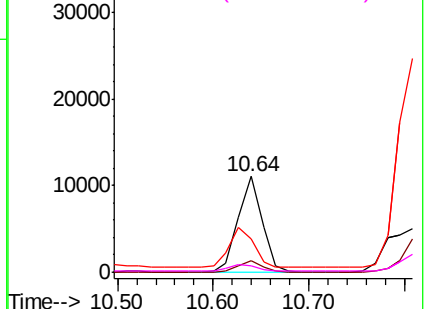
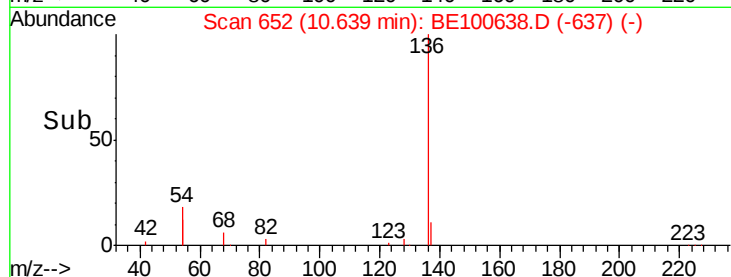


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 197.028 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.01 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

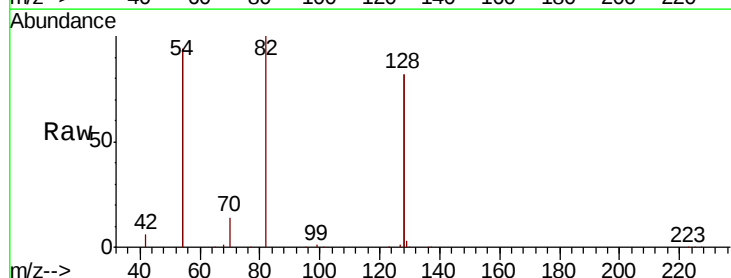
Tgt Ion: 82 Resp: 2286663

Ion Ratio Lower Upper

82 100

128 164.8 90.7 136.1#

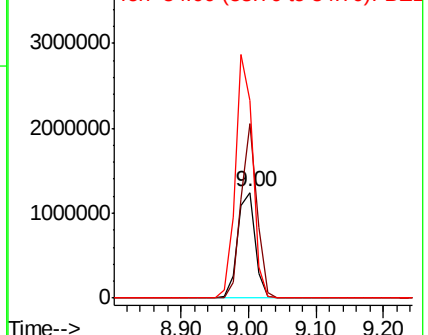
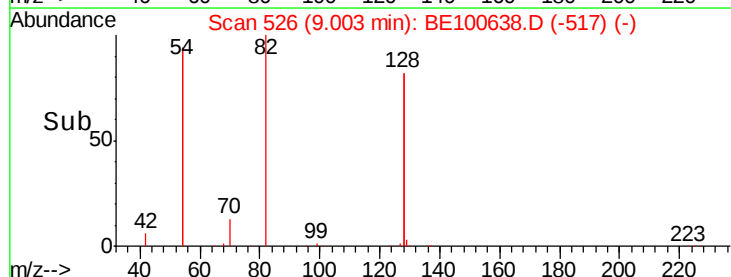
54 187.1 210.9 316.3#

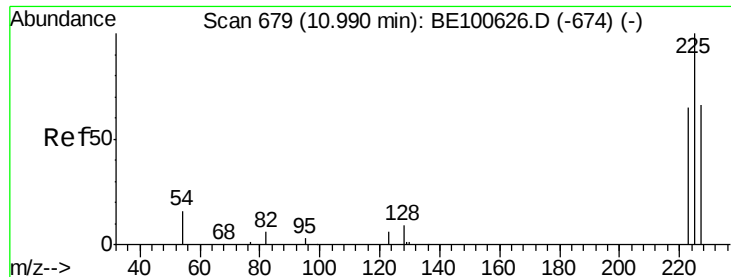


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1

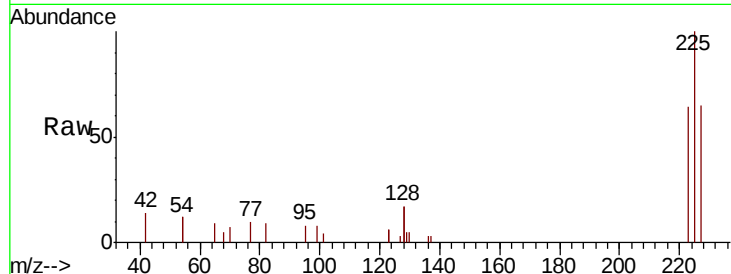




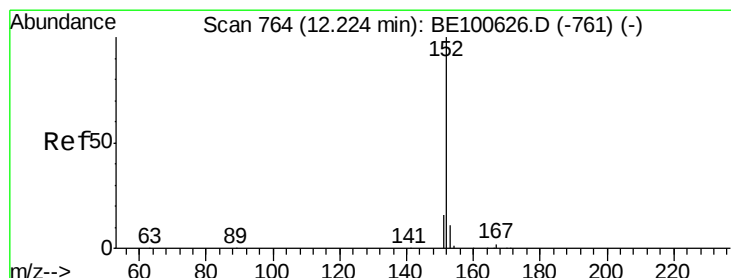
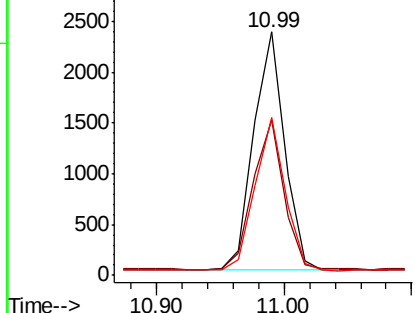
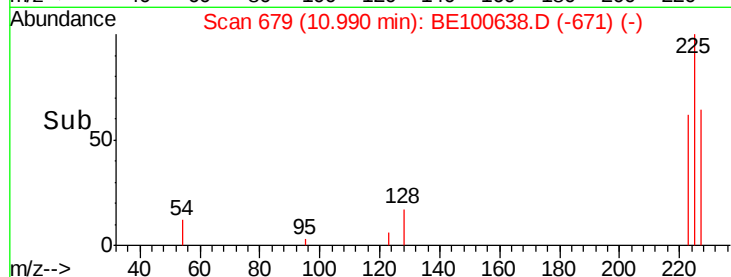
#10
Hexachlorobutadiene
Concen: 0.462 ng
RT: 10.99 min Scan# 679
Delta R.T. -0.00 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

Instrument :
BNA_E
ClientSampleId :
PT-ACIDS-WP

Tot Ion:225 Resp: 3953
Ion Ratio Lower Upper
225 100
223 61.8 51.2 76.8
227 61.9 51.8 77.8

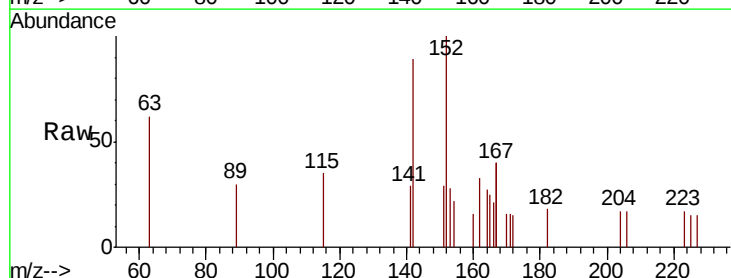


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

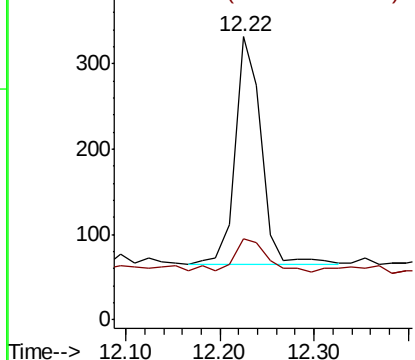
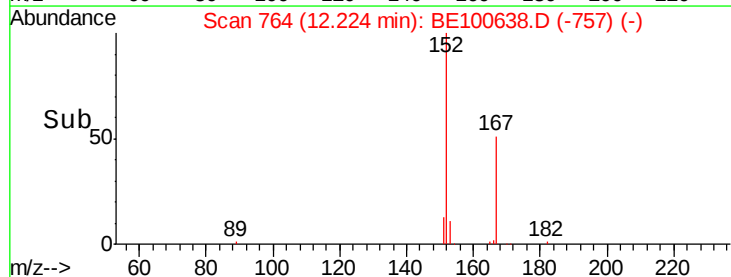


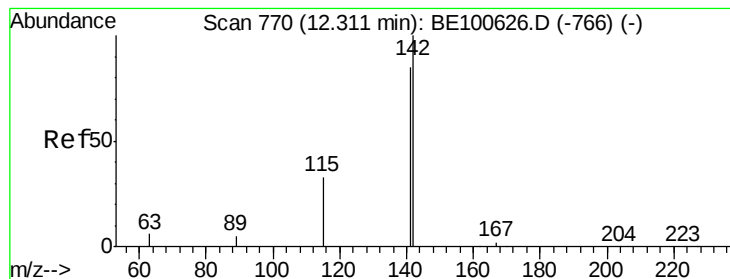
#11
2-Methylnaphthalene-d10
Concen: 0.017 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

Tgt Ion:152 Resp: 513
Ion Ratio Lower Upper
152 100
151 17.5 15.2 22.8



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





#12

2-Methylnaphthalene

Concen: 0.325 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.01 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

Instrument :

BNA_E

ClientSampleId :

PT-ACIDS-WP

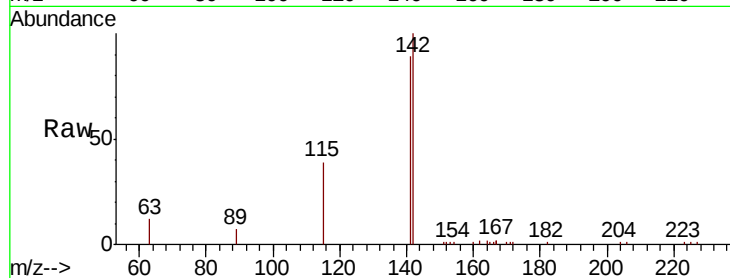
Tot Ion:142 Resp: 10898

Ion Ratio Lower Upper

142 100

141 88.7 68.3 102.5

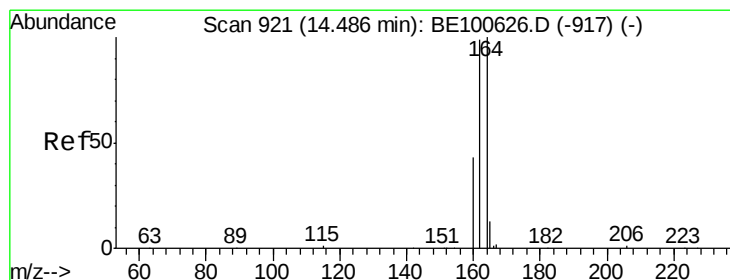
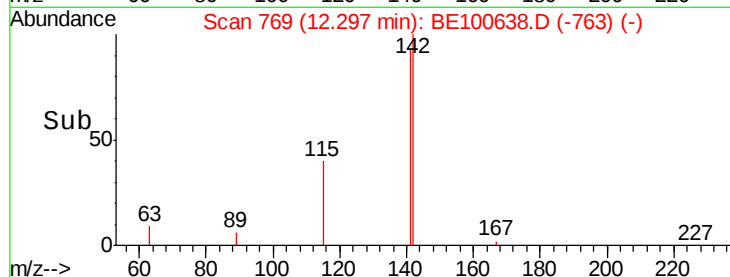
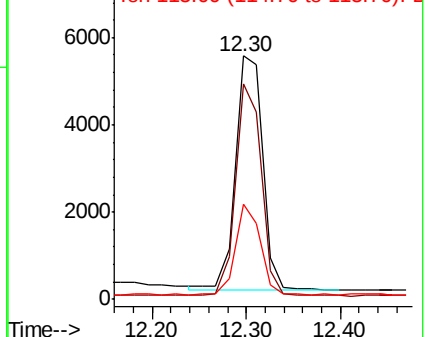
115 39.3 27.5 41.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.01 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

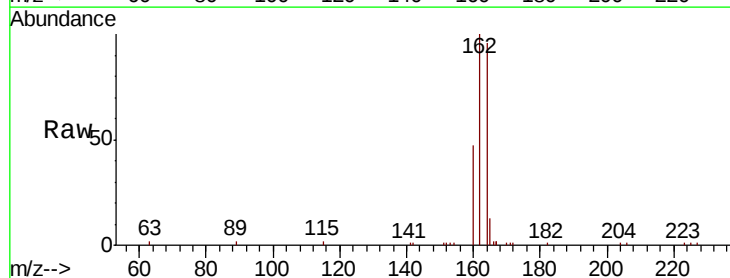
Tgt Ion:164 Resp: 10871

Ion Ratio Lower Upper

164 100

162 103.8 79.1 118.7

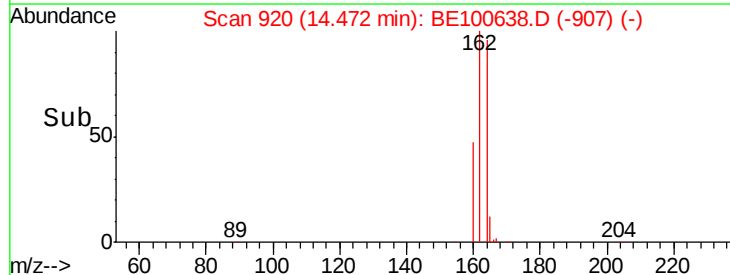
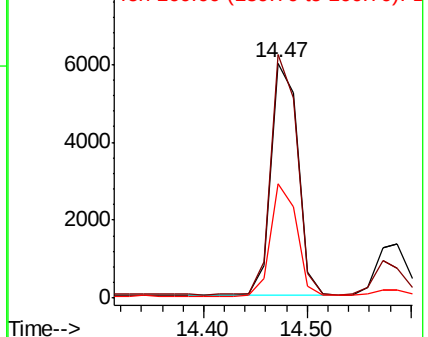
160 48.9 34.7 52.1

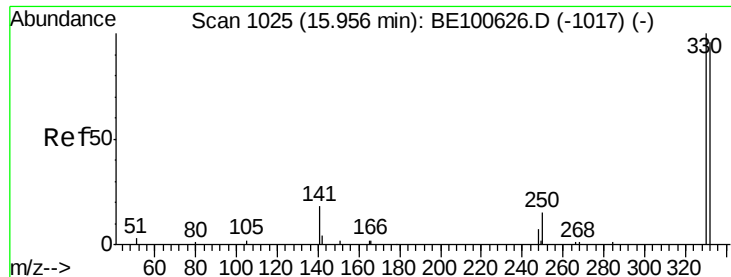


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

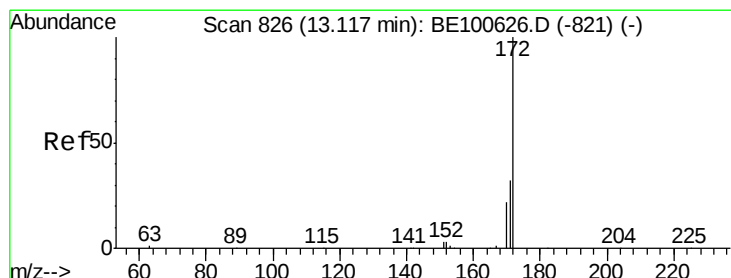
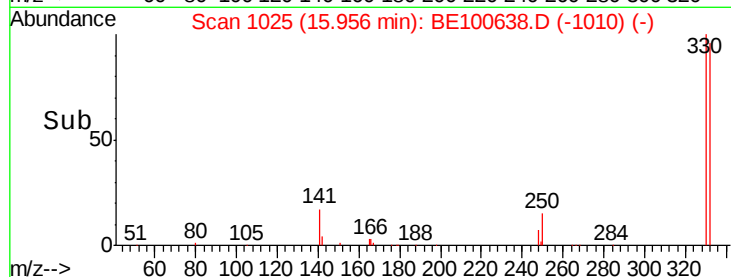
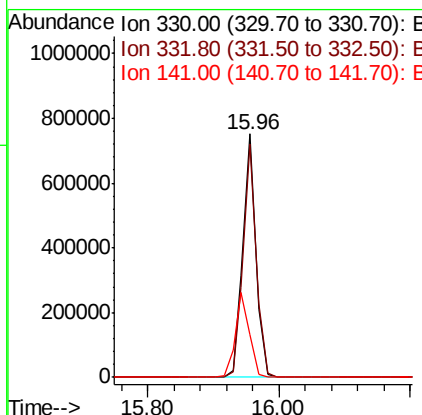
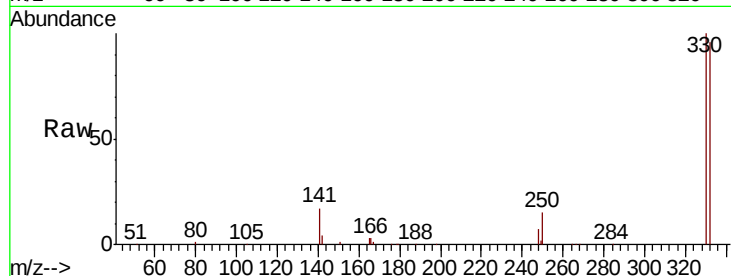




#14
 2,4,6-Tribromophenol
 Concen: 368.153 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE100638.D
 Acq: 11 Oct 2019 16:01

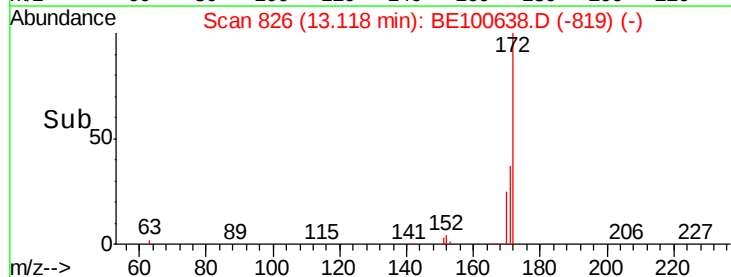
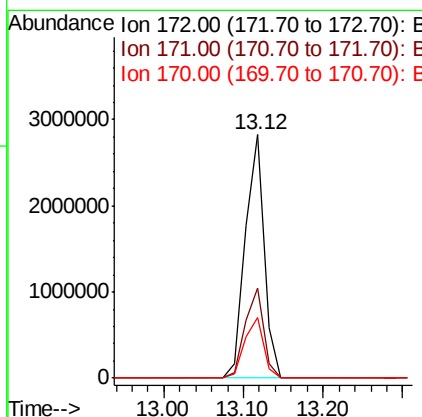
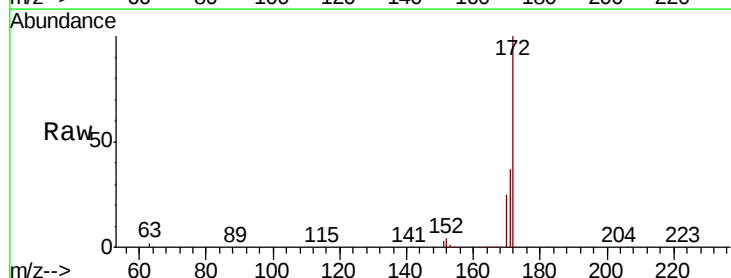
Instrument :
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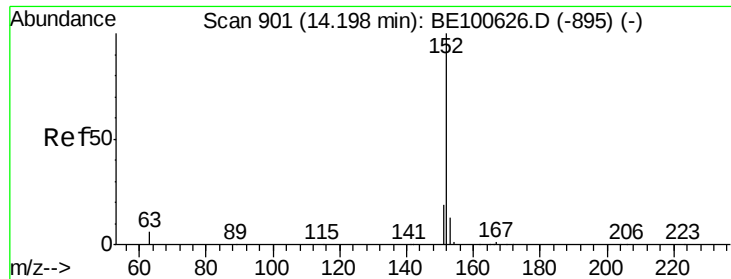
Tot Ion:330 Resp: 1057525
 Ion Ratio Lower Upper
 330 100
 332 96.1 75.2 112.8
 141 37.4 37.5 56.3#



#15
 2-Fluorobiphenyl
 Concen: 116.981 ng
 RT: 13.12 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BE100638.D
 Acq: 11 Oct 2019 16:01

Tgt Ion:172 Resp: 4633447
 Ion Ratio Lower Upper
 172 100
 171 37.2 26.2 39.4
 170 24.8 17.5 26.3

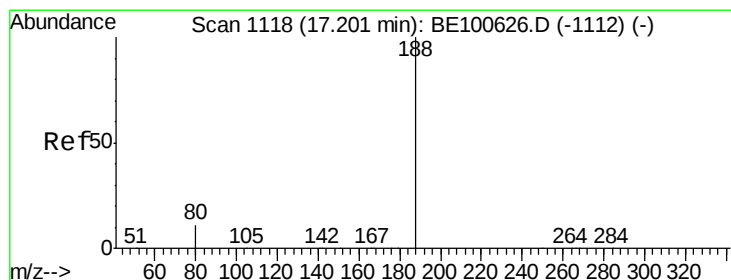
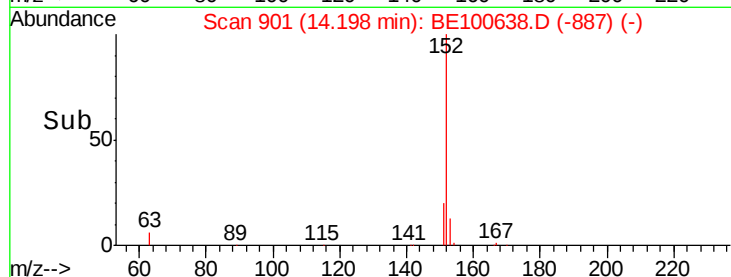
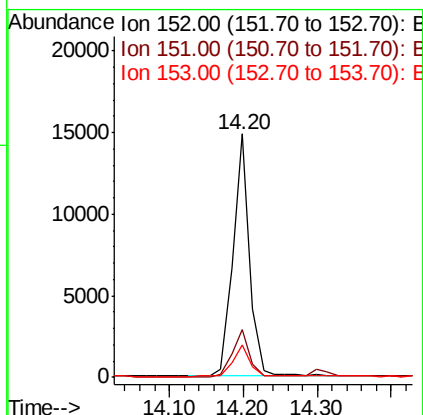
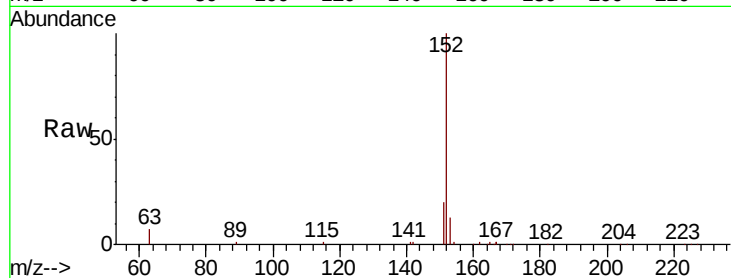




#16
Acenaphthylene
Concen: 0.497 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

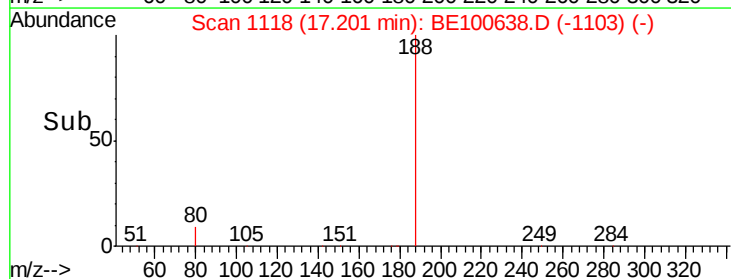
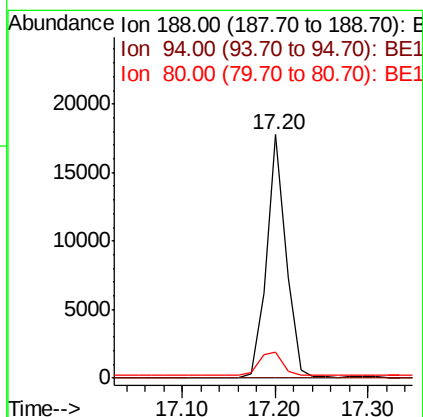
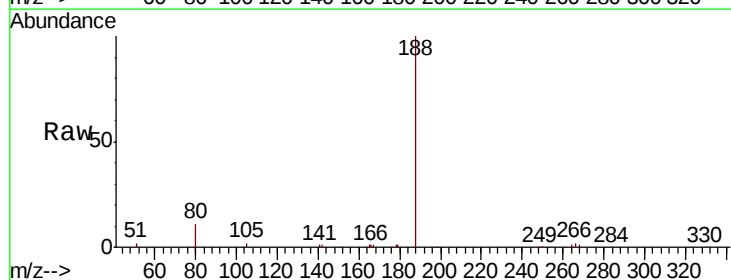
Instrument :
BNA_E
ClientSampleId :
PT-ACIDS-WP

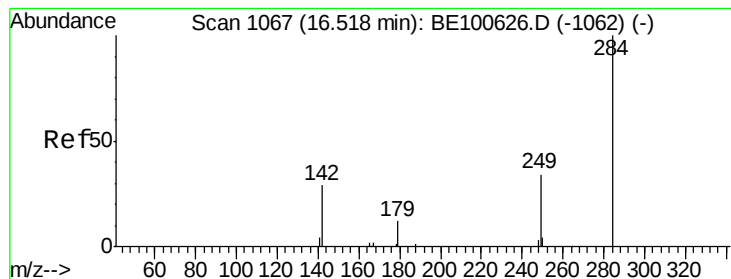
Tot Ion:152 Resp: 23270
Ion Ratio Lower Upper
152 100
151 19.7 15.6 23.4
153 13.1 10.5 15.7



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

Tgt Ion:188 Resp: 25735
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.7 9.4 14.2





#21

Hexachlorobenzene

Concen: 0.348 ng

RT: 16.52 min Scan# 1067

Delta R.T. 0.00 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

Instrument :

BNA_E

ClientSampleId :

PT-ACIDS-WP

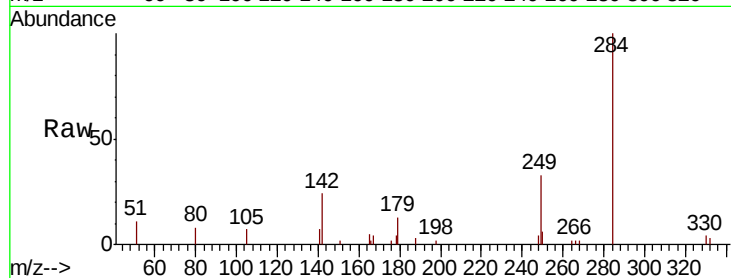
Tot Ion:284 Resp: 4345

Ion Ratio Lower Upper

284 100

142 37.7 29.8 44.8

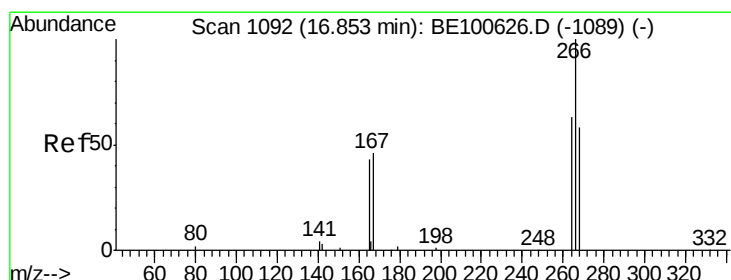
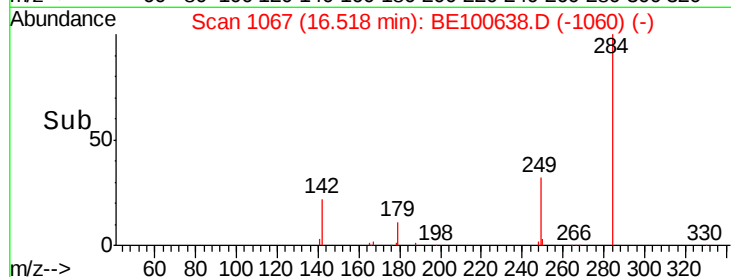
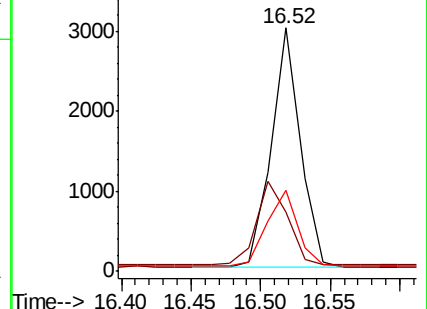
249 33.0 27.3 40.9



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 245.493 ng

RT: 16.85 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

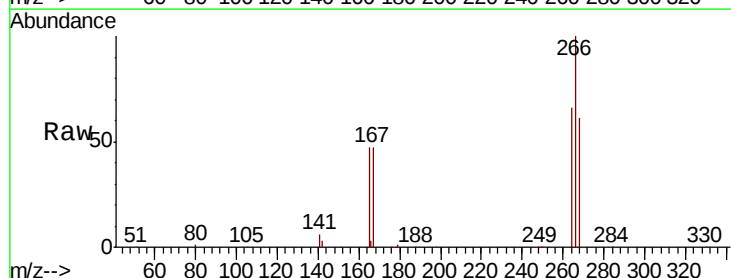
Tgt Ion:266 Resp: 986691

Ion Ratio Lower Upper

266 100

264 66.4 50.7 76.1

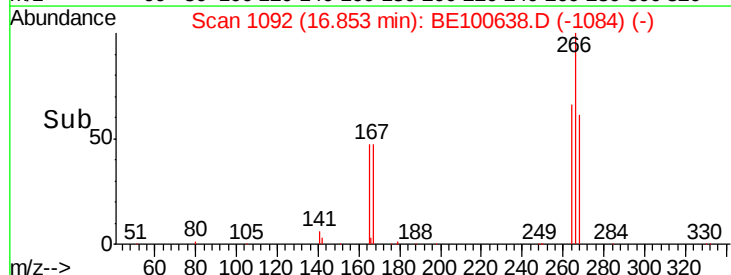
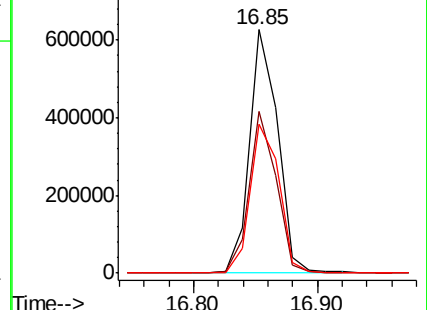
268 61.3 48.5 72.7

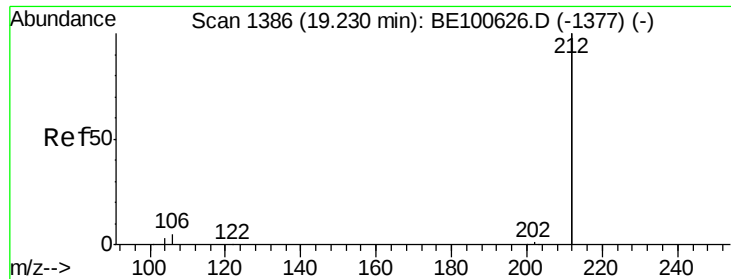


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.014 ng

RT: 19.22 min Scan# 1385

Delta R.T. -0.01 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

Instrument :

BNA_E

ClientSampleId :

PT-ACIDS-WP

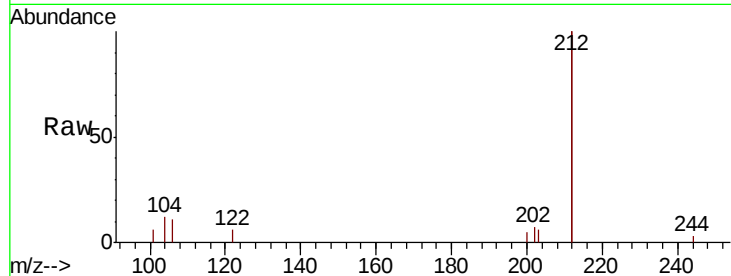
Tot Ion:212 Resp: 4532

Ion Ratio Lower Upper

212 100

106 3.9 2.2 3.4#

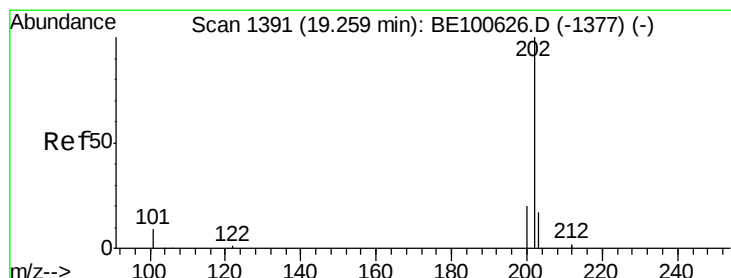
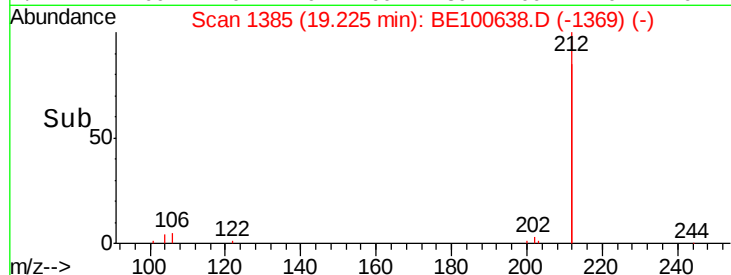
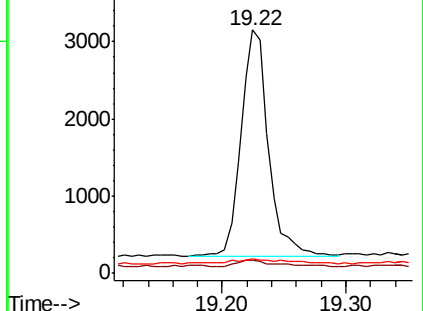
104 3.7 1.3 1.9#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.241 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

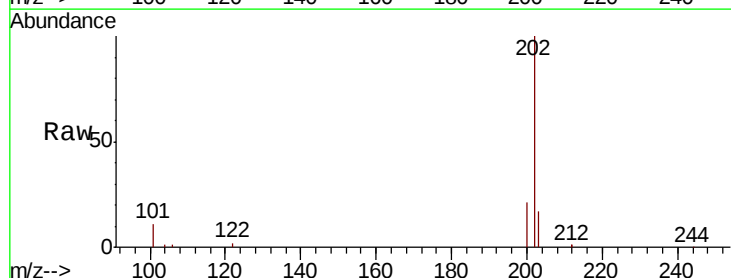
Tgt Ion:202 Resp: 22274

Ion Ratio Lower Upper

202 100

101 10.3 8.4 12.6

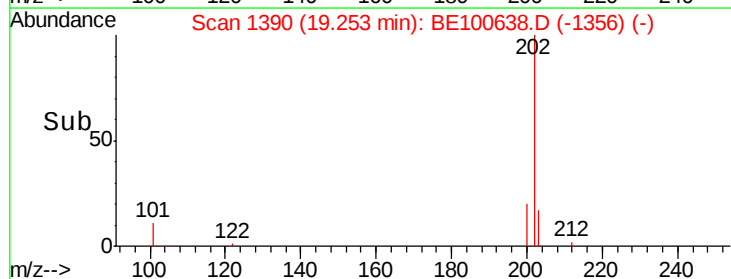
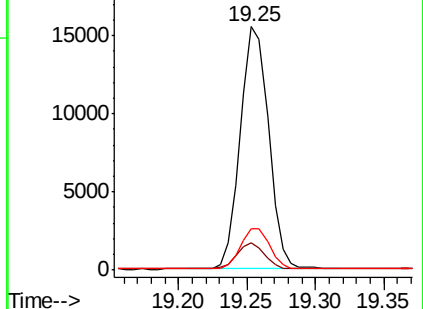
203 17.2 13.8 20.6

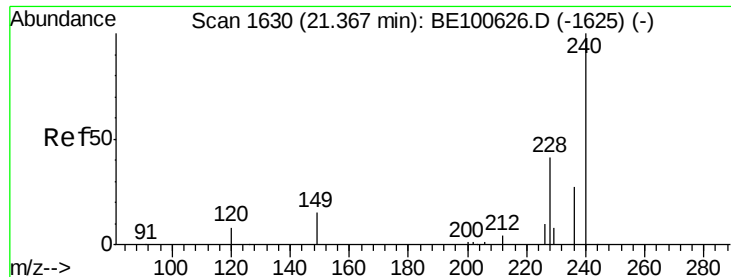


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

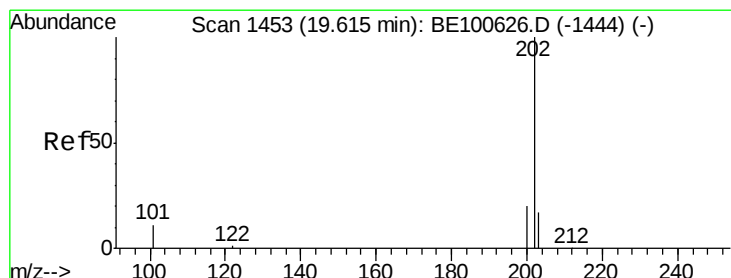
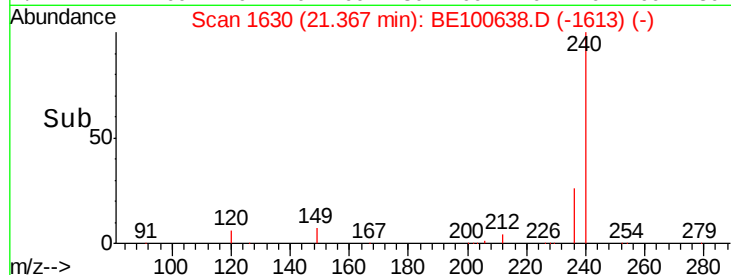
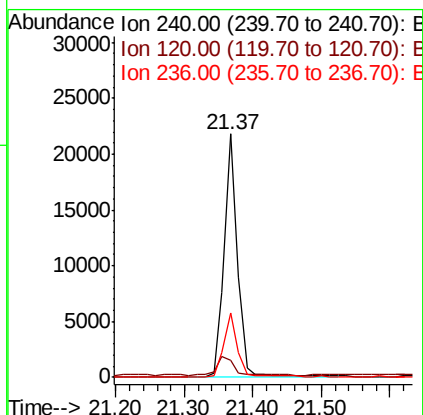
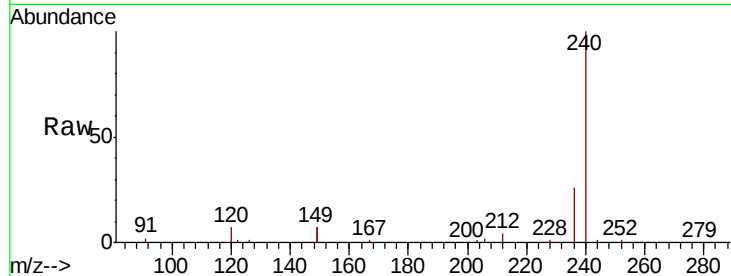




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE100638.D
 Acq: 11 Oct 2019 16:01

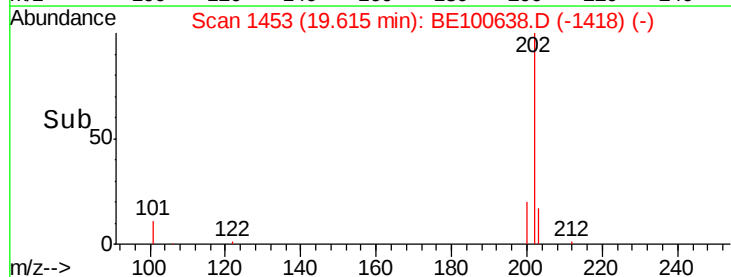
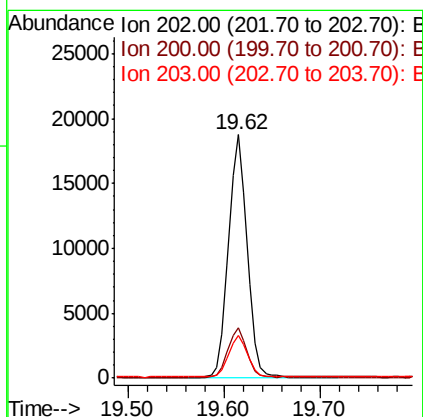
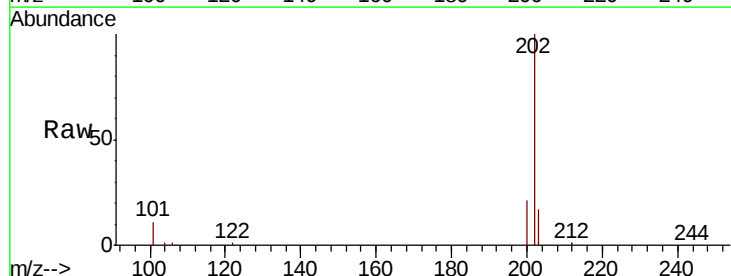
Instrument :
 BNA_E
 ClientSampleId :
 PT-ACIDS-WP

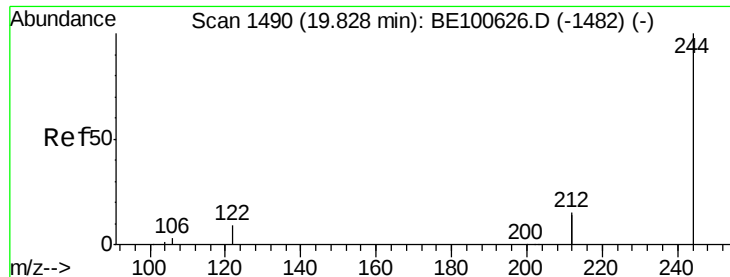
Tot Ion:240 Resp: 29204
 Ion Ratio Lower Upper
 240 100
 120 6.9 7.4 11.0#
 236 26.3 21.7 32.5



#28
 Pyrene
 Concen: 0.307 ng
 RT: 19.62 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BE100638.D
 Acq: 11 Oct 2019 16:01

Tgt Ion:202 Resp: 25082
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.6 24.8
 203 17.6 13.9 20.9





#29

Terphenyl-d14

Concen: 108.718 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.01 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

Instrument :

BNA_E

ClientSampleId :

PT-ACIDS-WP

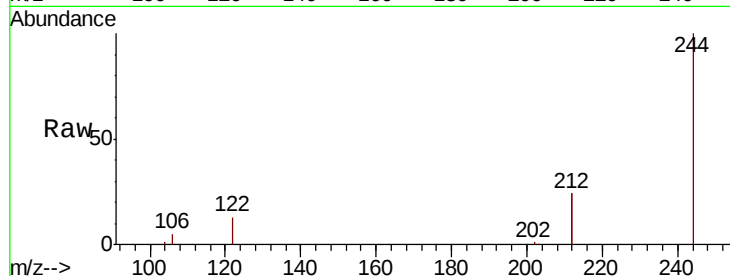
Tot Ion:244 Resp: 6941688

Ion Ratio Lower Upper

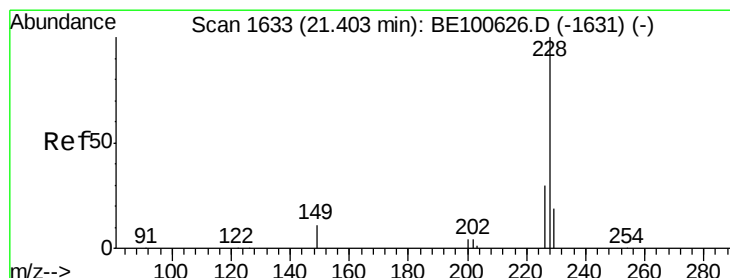
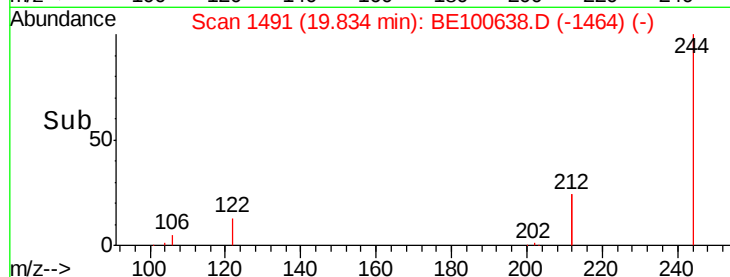
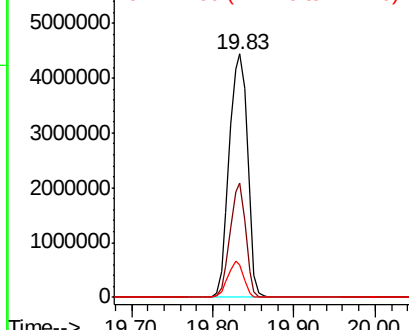
244 100

212 47.0 23.9 35.9#

122 13.5 7.7 11.5#



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



#31

Chrysene

Concen: 0.119 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

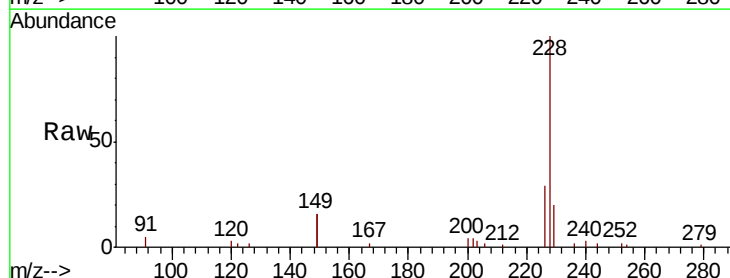
Tgt Ion:228 Resp: 11344

Ion Ratio Lower Upper

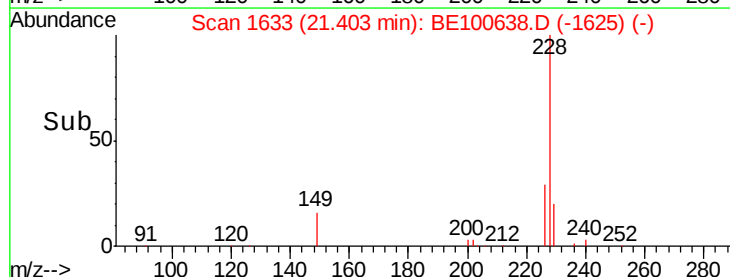
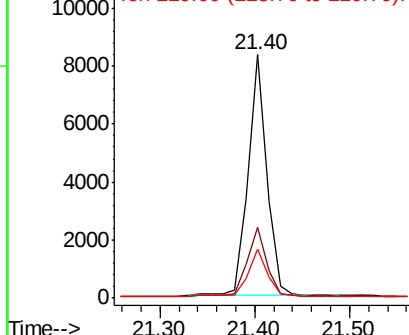
228 100

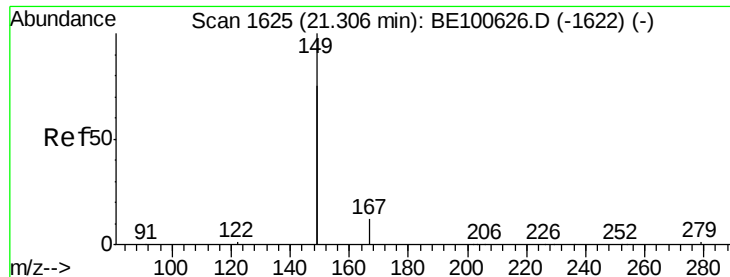
226 29.2 24.5 36.7

229 20.2 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.193 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

Instrument :

BNA_E

ClientSampleId :

PT-ACIDS-WP

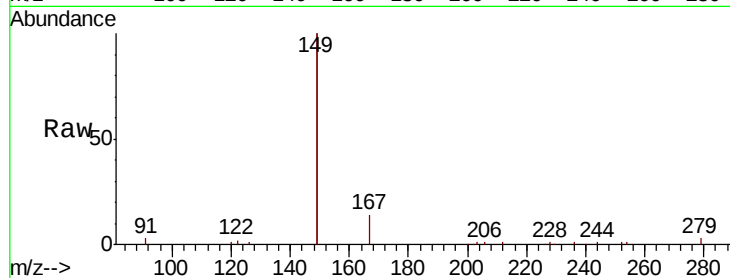
Tot Ion:149 Resp: 38524

Ion Ratio Lower Upper

149 100

167 6.7 5.4 8.2

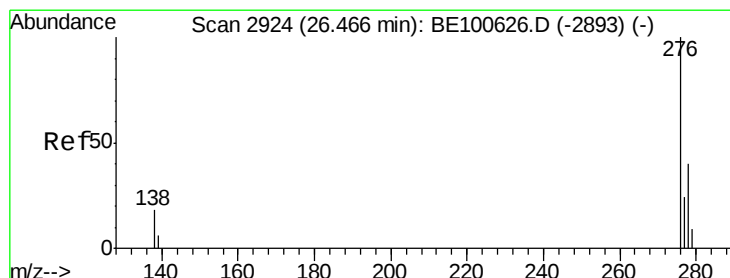
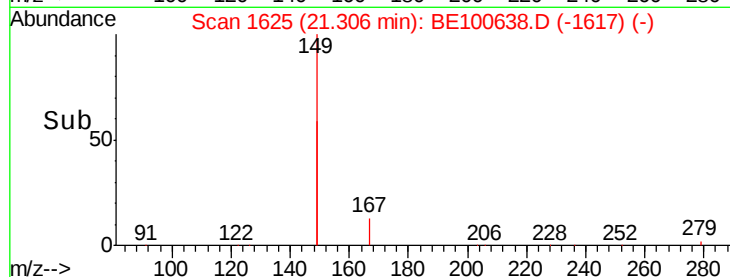
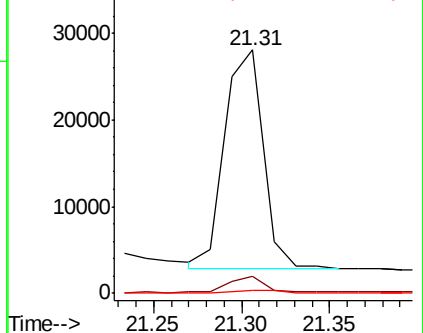
279 1.1 1.5 2.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.145 ng

RT: 26.45 min Scan# 2920

Delta R.T. -0.01 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

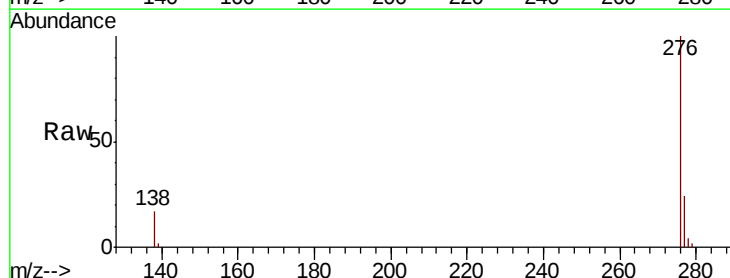
Tgt Ion:276 Resp: 16919

Ion Ratio Lower Upper

276 100

138 15.6 16.0 24.0#

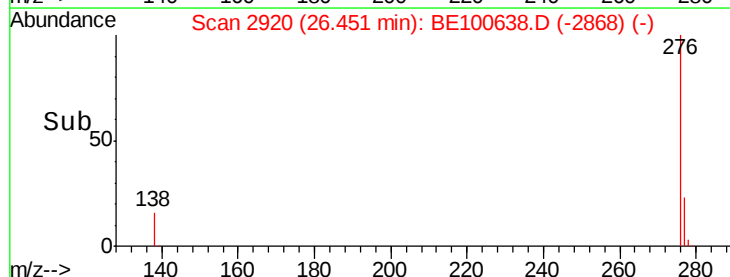
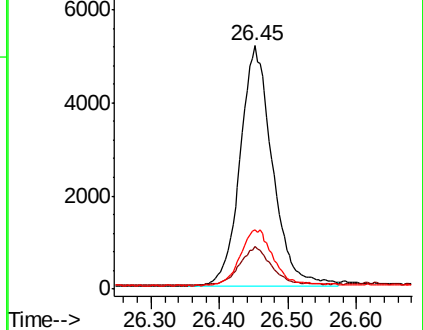
277 23.3 19.7 29.5

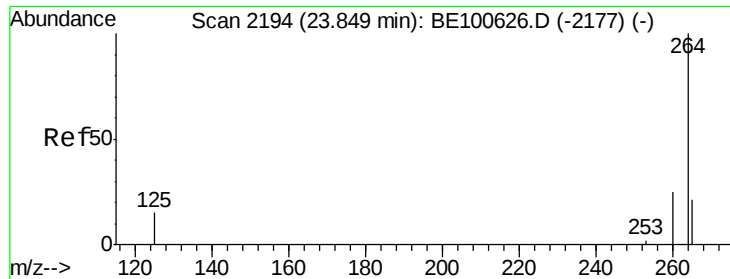


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

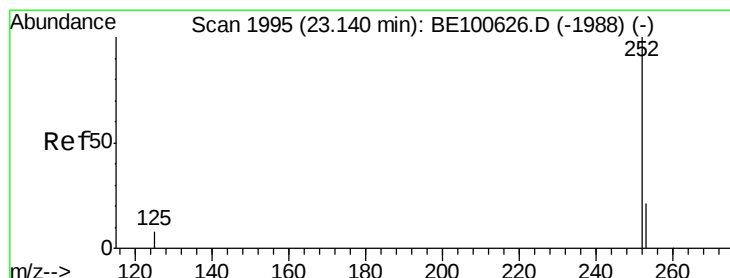
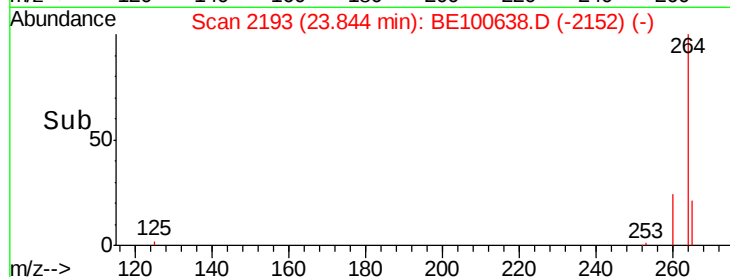
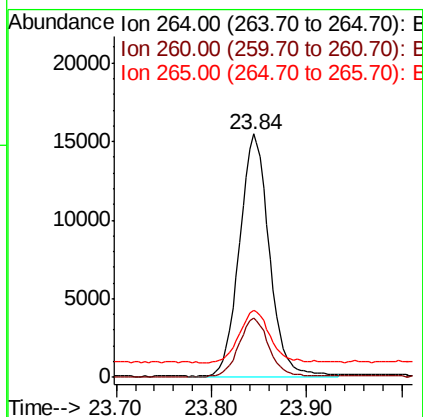
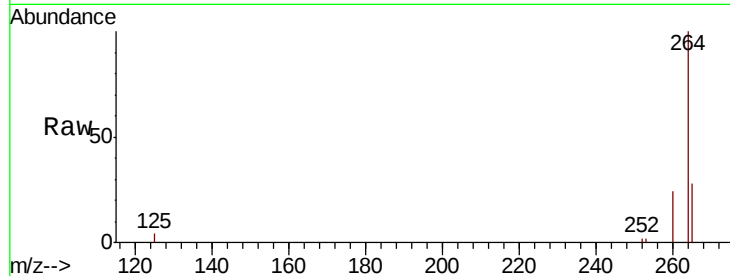




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.84 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

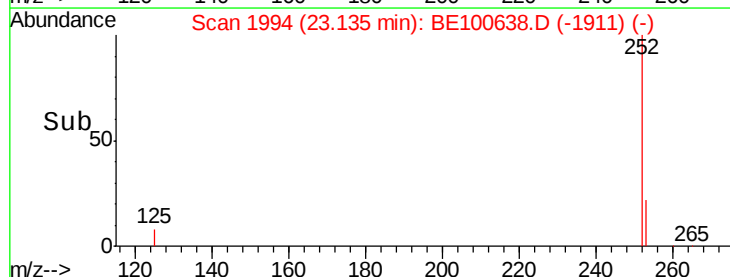
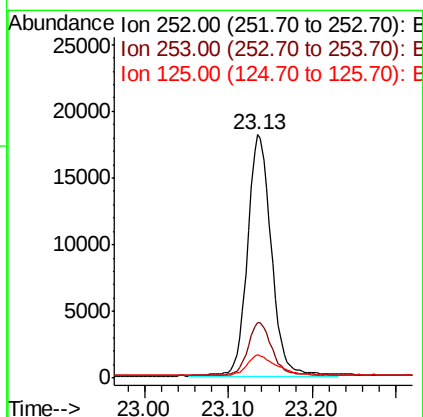
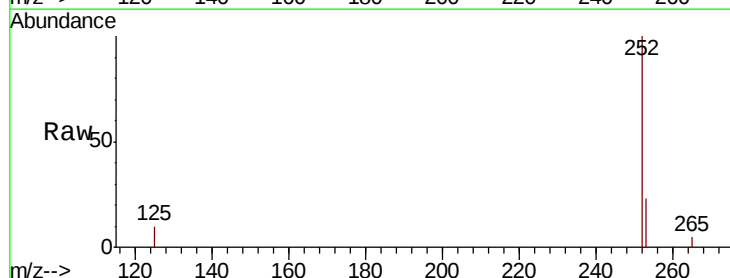
Instrument :
BNA_E
ClientSampleId :
PT-ACIDS-WP

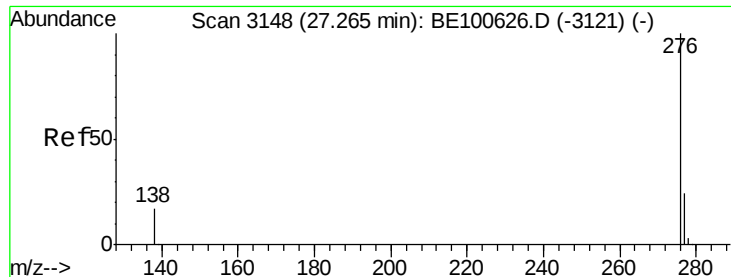
Tot Ion:264 Resp: 33495
Ion Ratio Lower Upper
264 100
260 24.2 19.9 29.9
265 27.6 20.0 30.0



#36
Benzo(k)fluoranthene
Concen: 0.356 ng
RT: 23.13 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BE100638.D
Acq: 11 Oct 2019 16:01

Tgt Ion:252 Resp: 35717
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 9.6 7.6 11.4





#39

Benzo(a,h,i)perylene

Concen: 0.273 ng

RT: 27.25 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BE100638.D

Acq: 11 Oct 2019 16:01

Instrument :

BNA_E

ClientSampleId :

PT-ACIDS-WP

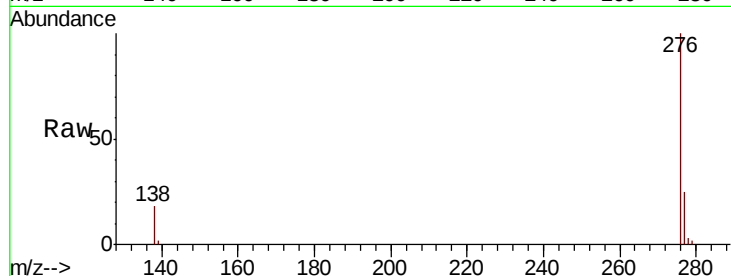
Tot Ion:276 Resp: 25767

Ion Ratio Lower Upper

276 100

277 25.3 19.3 28.9

138 17.8 14.5 21.7



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

