

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111519\
 Data File : BE100737.D
 Acq On : 15 Nov 2019 15:02
 Operator : JU
 Sample : K5728-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-024-SW129-110619-1

Quant Time: Nov 15 22:32:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 15 15:55:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	3038	0.40	ng	0.00
7) Naphthalene-d8	10.55	136	12759	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	7951	0.40	ng	-0.01
19) Phenanthrene-d10	17.13	188	19051	0.40	ng	0.00
27) Chrysene-d12	21.29	240	20533	0.40	ng	0.00
34) Perylene-d12	23.73	264	22235	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	4791	0.54	ng	0.00
5) Phenol-d6	6.94	99	6616	0.53	ng	0.00
8) Nitrobenzene-d5	8.91	82	4006	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.15	152	8157	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	277	0.46	ng	0.01
15) 2-Fluorobiphenyl	13.03	172	11652	0.40	ng	0.00
25) Fluoranthene-d10	19.15	212	95427	0.38	ng	0.00
29) Terphenyl-d14	19.76	244	19347	0.40	ng	0.00

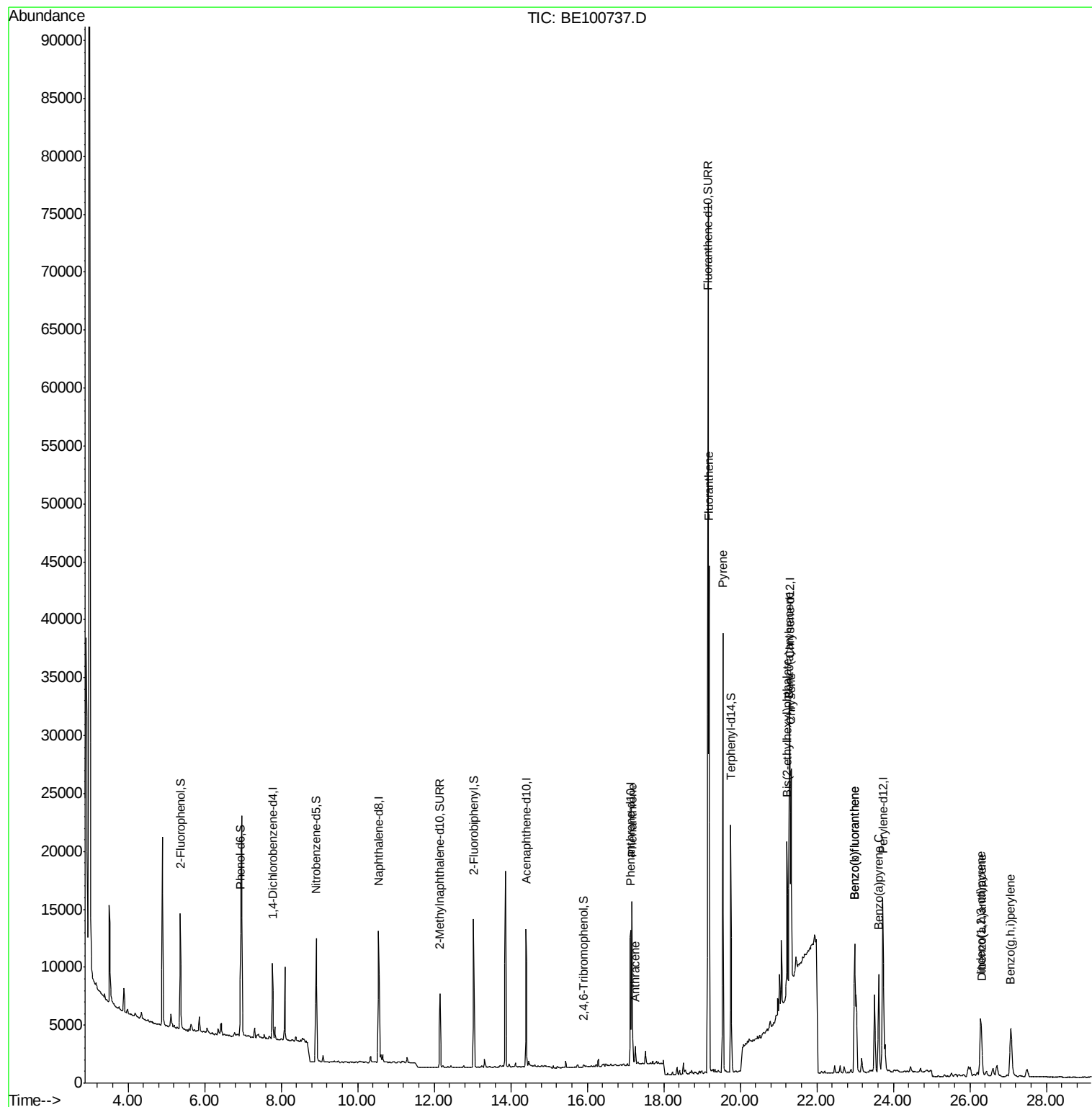
Target Compounds				Qvalue		
23) Phenanthrene	17.17	178	17200	0.331	ng	99
24) Anthracene	17.25	178	1283	0.028	ng	# 90
26) Fluoranthene	19.18	202	38346	0.553	ng	99
28) Pyrene	19.55	202	33649	0.590	ng	97
30) Benzo(a)anthracene	21.28	228	14981	0.227	ng	96
31) Chrysene	21.33	228	16098	0.241	ng	98
32) Bis(2-ethylhexyl)phthalate	21.22	149	18815	0.161	ng	99
33) Indeno(1,2,3-cd)pyrene	26.28	276	10407	0.133	ng	96
35) Benzo(b)fluoranthene	22.99	252	20497	0.316	ng	98
36) Benzo(k)fluoranthene	22.99	252	20497	0.301	ng	98
37) Benzo(a)pyrene	23.62	252	12892	0.213	ng	98
38) Dibenzo(a,h)anthracene	26.31	278	2428	0.039	ng	# 75
39) Benzo(a,h,i)perylene	27.07	276	10691	0.173	ng	98

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

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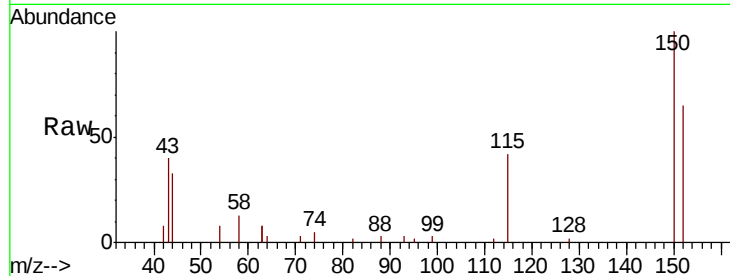


#1

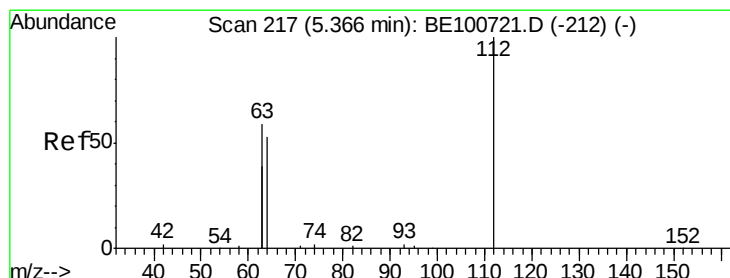
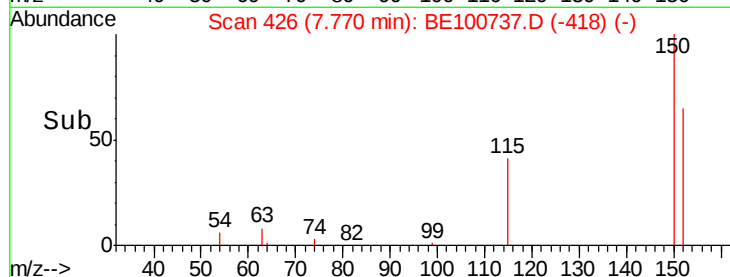
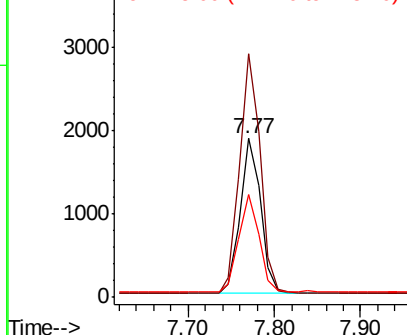
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. -0.00 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

Instrument :
BNA_E
ClientSampleId :
PST-024-SW129-110619-1

Tot Ion:152 Resp: 3038
Ion Ratio Lower Upper
152 100
150 153.1 123.4 185.0
115 64.8 52.1 78.1



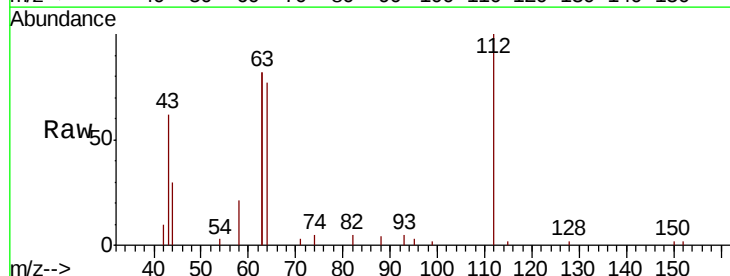
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



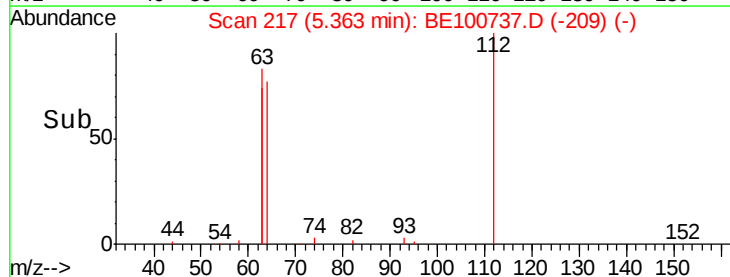
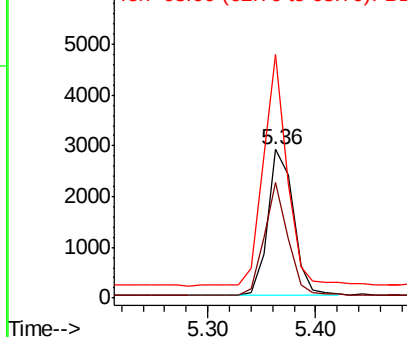
#4

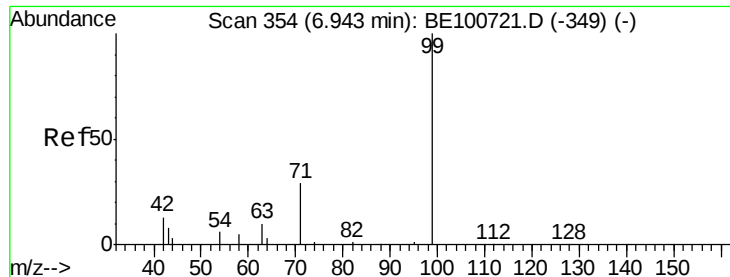
2-Fluorophenol
Concen: 0.540 ng
RT: 5.36 min Scan# 217
Delta R.T. -0.00 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

Tgt Ion:112 Resp: 4791
Ion Ratio Lower Upper
112 100
64 71.1 58.3 87.5
63 146.1 115.4 173.2



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: 0.527 ng

RT: 6.94 min Scan# 354

Delta R.T. -0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Instrument :

BNA_E

ClientSampleId :

PST-024-SW129-110619-1

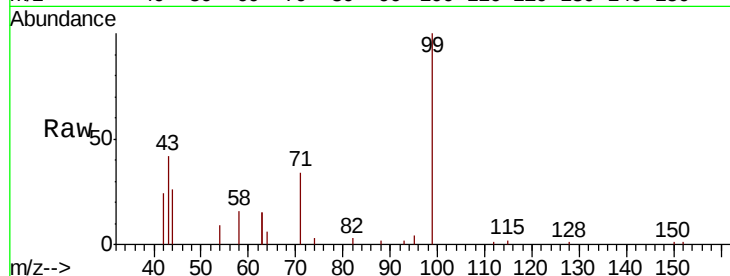
Tot Ion: 99 Resp: 6616

Ion Ratio Lower Upper

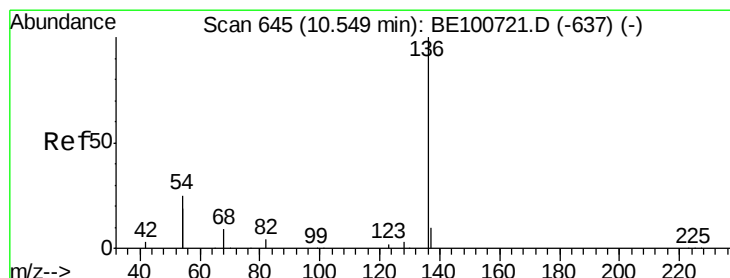
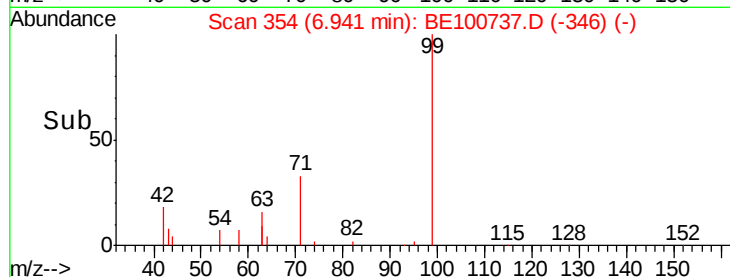
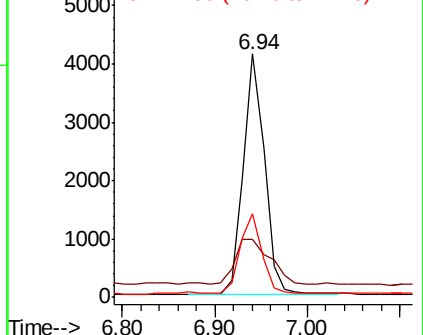
99 100

42 31.8 17.8 26.6#

71 34.3 27.3 40.9



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: 10.55 min Scan# 645

Delta R.T. 0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Tgt Ion: 136 Resp: 12759

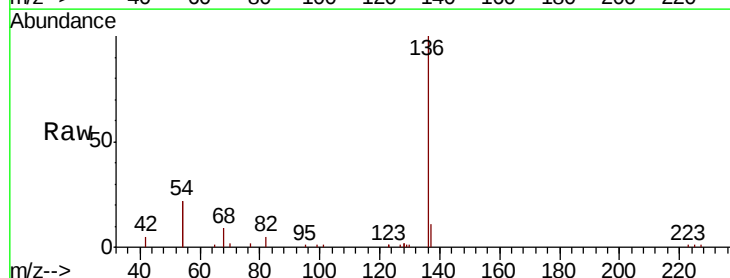
Ion Ratio Lower Upper

136 100

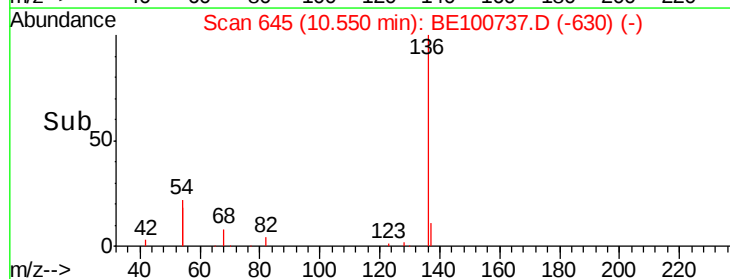
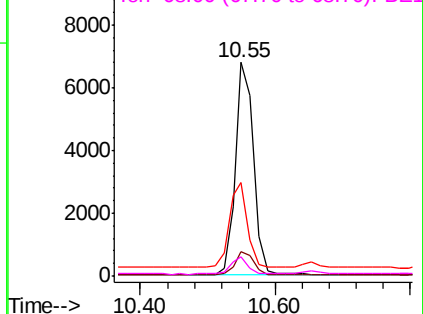
137 11.4 9.1 13.7

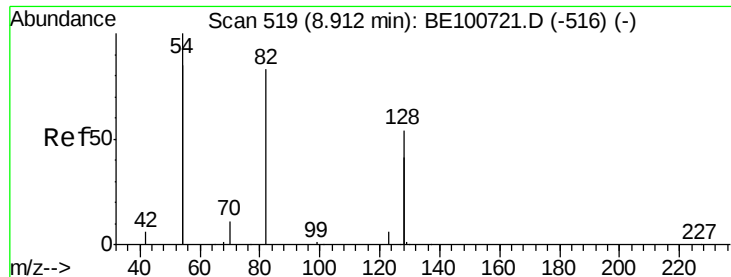
54 44.0 39.0 58.6

68 9.1 7.8 11.8



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

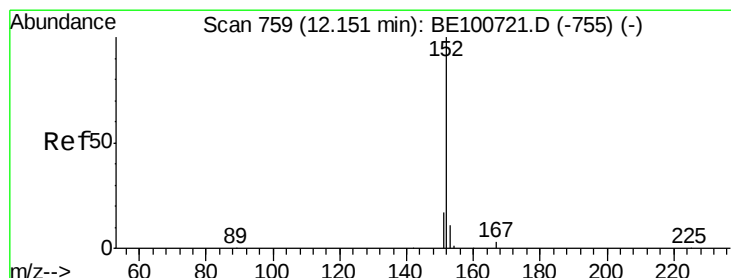
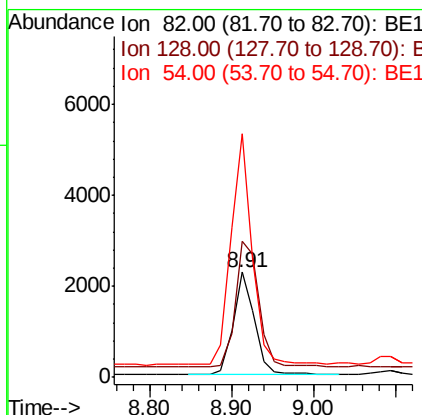
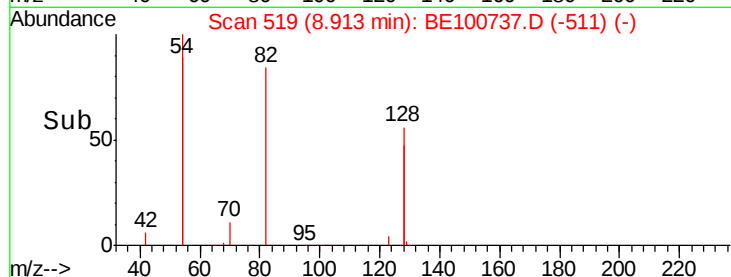
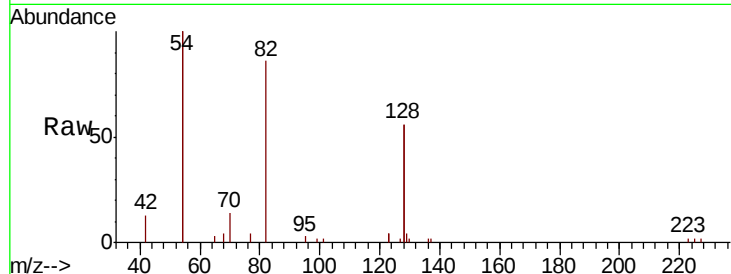




#8
 Nitrobenzene-d5
 Concen: 0.369 ng
 RT: 8.91 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: BE100737.D
 Acq: 15 Nov 2019 15:02

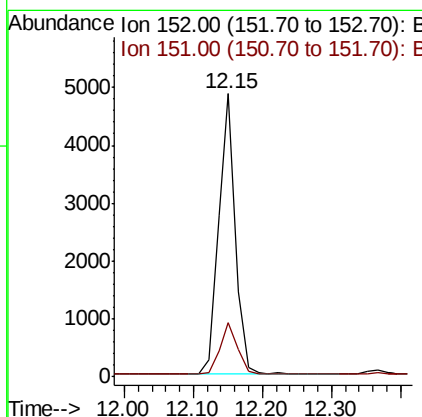
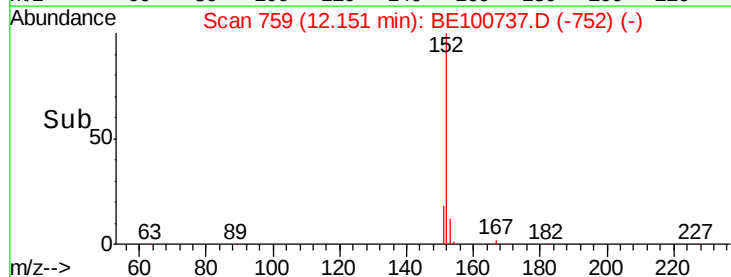
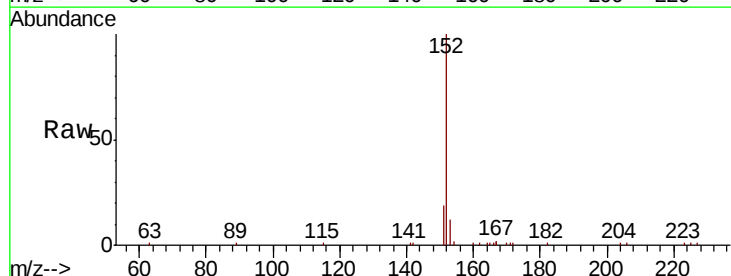
Instrument :
 BNA_E
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 PST-024-SW129-110619-1

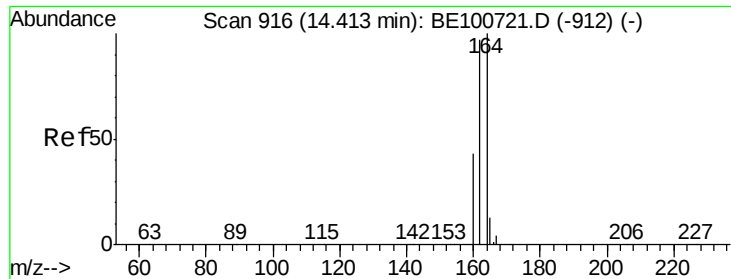
Tot Ion	Ratio	Lower	Upper
82	100		
128	129.5	99.6	149.4
54	232.4	183.8	275.8



#11
 2-Methylnaphthalene-d10
 Concen: 0.401 ng
 RT: 12.15 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: BE100737.D
 Acq: 15 Nov 2019 15:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	14.2	21.4

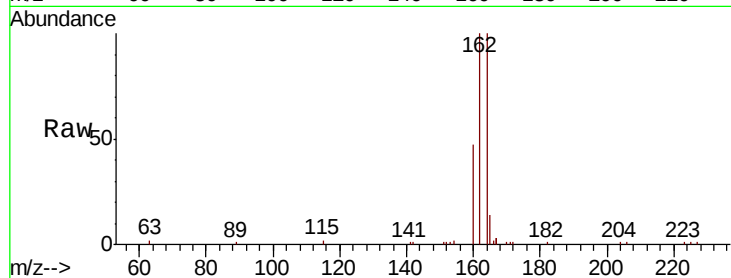




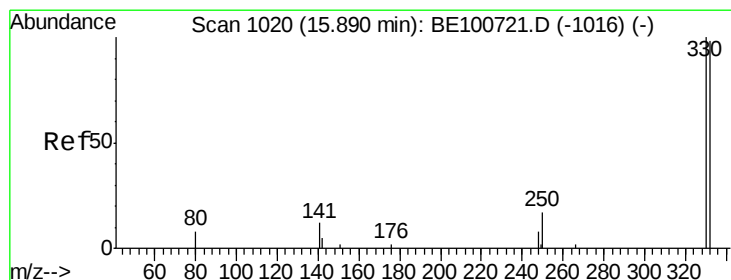
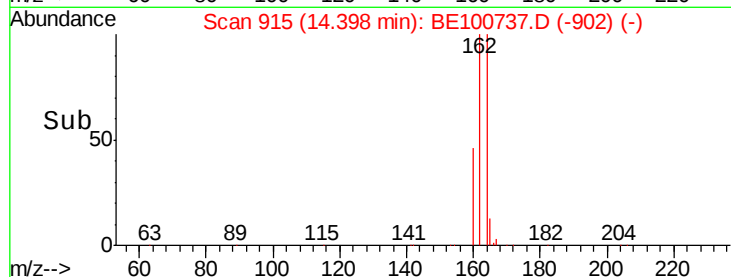
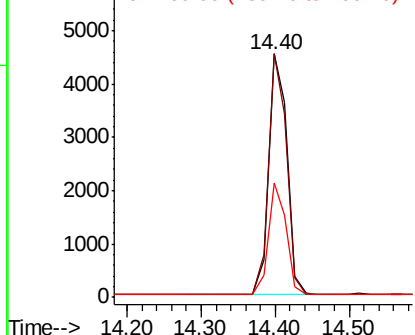
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.01 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

Instrument :
BNA_E
ClientSampleId :
PST-024-SW129-110619-1

Tot Ion:164 Resp: 7951
Ion Ratio Lower Upper
164 100
162 100.2 77.8 116.8
160 47.1 35.3 52.9

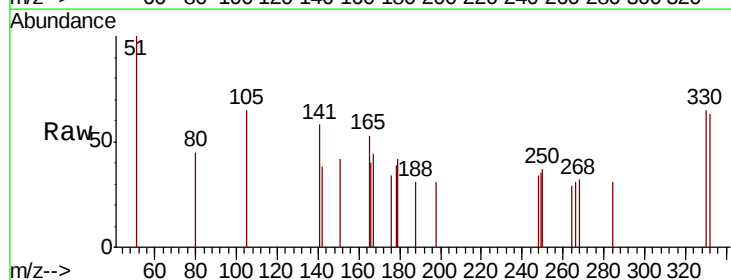


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

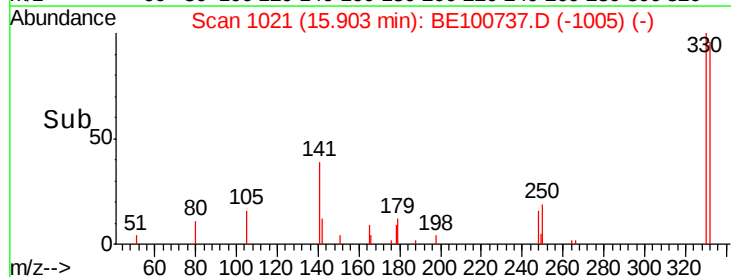
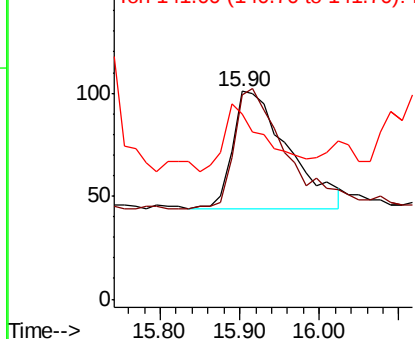


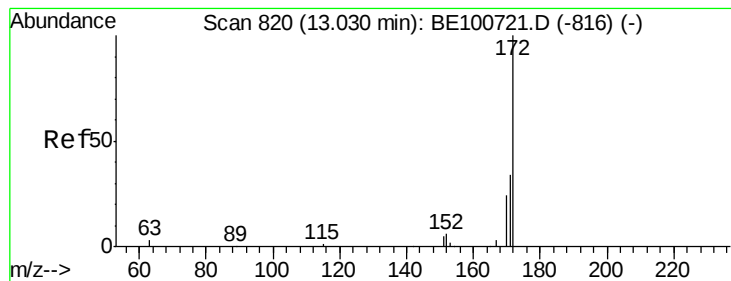
#14
2,4,6-Tribromophenol
Concen: 0.456 ng
RT: 15.90 min Scan# 1021
Delta R.T. 0.01 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

Tgt Ion:330 Resp: 277
Ion Ratio Lower Upper
330 100
332 93.9 85.0 127.6
141 0.0 28.2 42.2#



Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

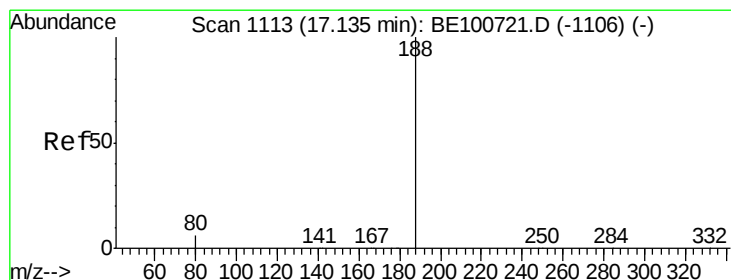
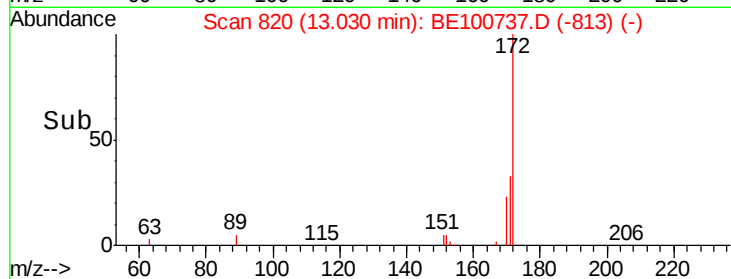
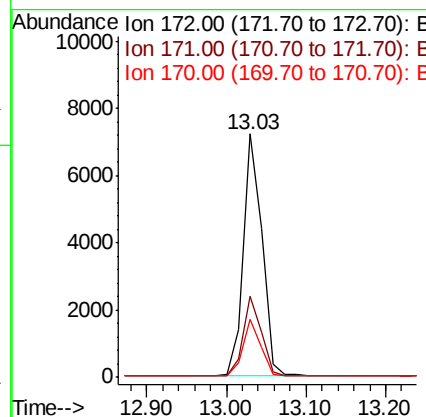
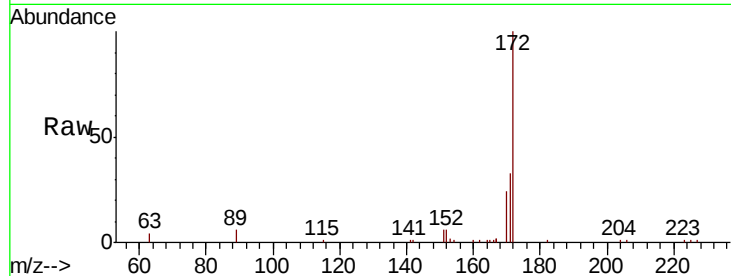




#15
2-Fluorobiphenyl
Concen: 0.400 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

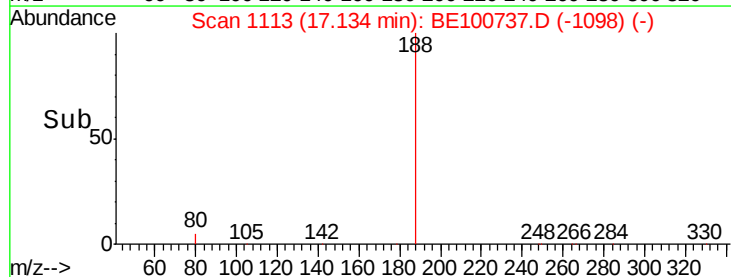
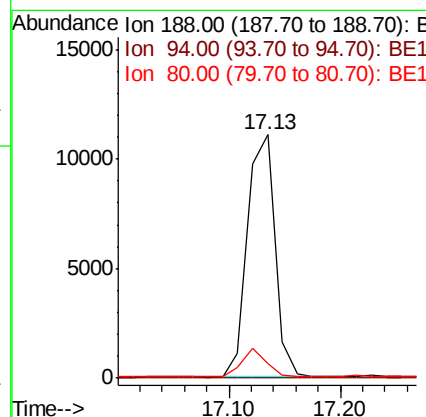
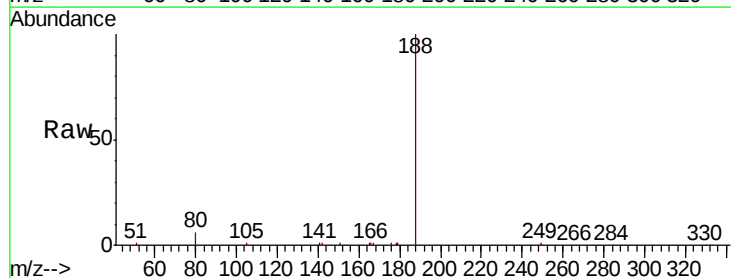
Instrument :
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ClientSampleId :
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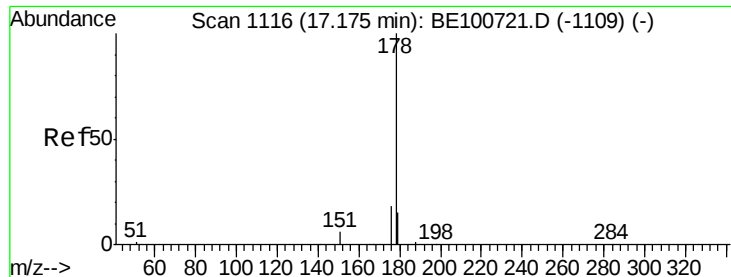
Tot Ion:172 Resp: 11652
Ion Ratio Lower Upper
172 100
171 33.2 28.1 42.1
170 24.0 19.8 29.6



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.13 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

Tgt Ion:188 Resp: 19051
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.9 5.4 8.0





#23

Phenanthrene

Concen: 0.331 ng

RT: 17.17 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Instrument :

BNA_E

ClientSampleId :

PST-024-SW129-110619-1

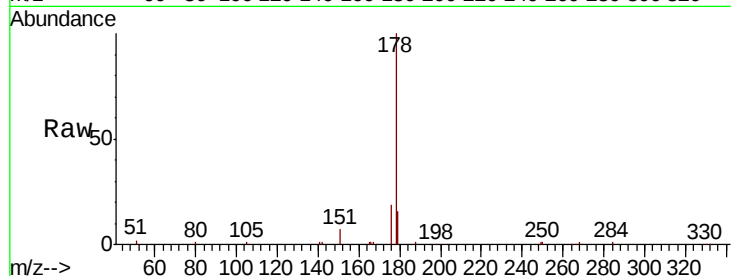
Tot Ion:178 Resp: 17200

Ion Ratio Lower Upper

178 100

176 19.2 15.0 22.4

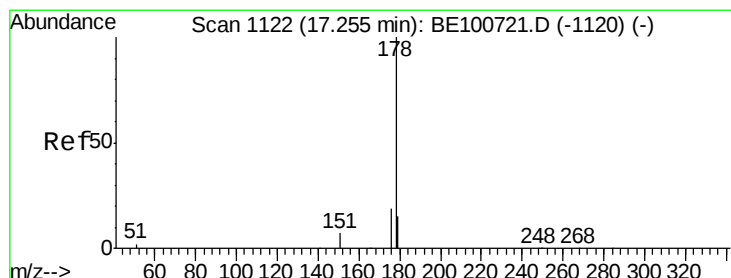
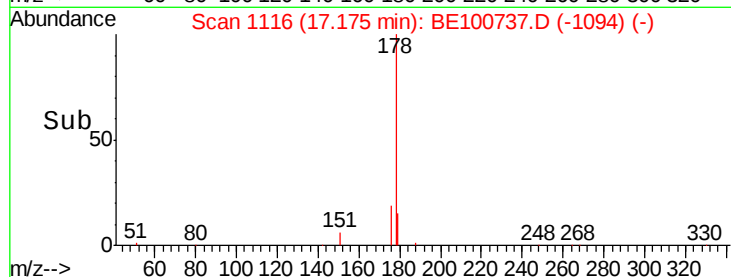
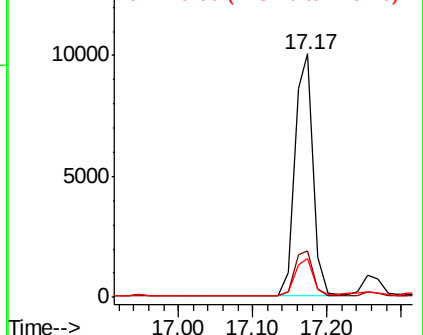
179 15.2 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.028 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

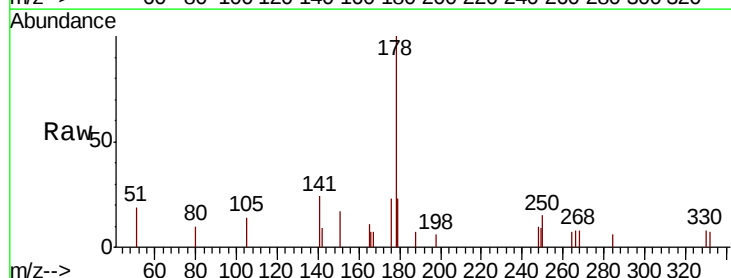
Tgt Ion:178 Resp: 1283

Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

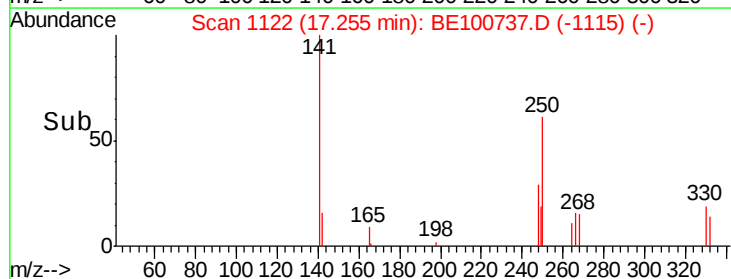
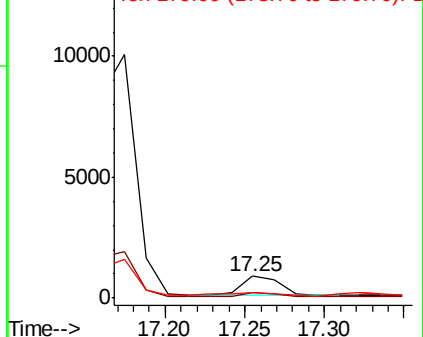
179 24.9 12.6 18.8#

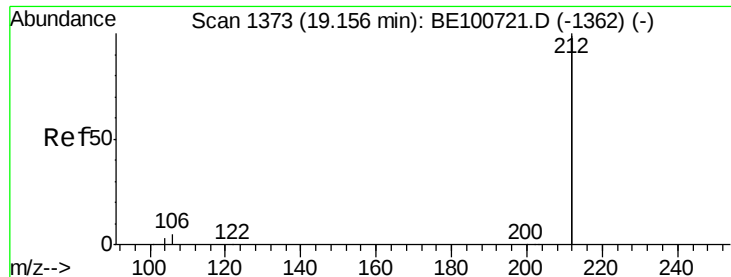


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.379 ng

RT: 19.15 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Instrument :

BNA_E

ClientSampleId :

PST-024-SW129-110619-1

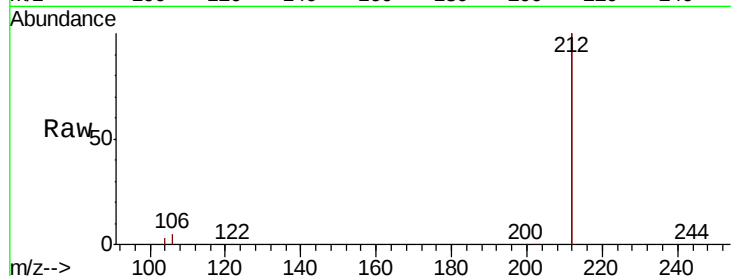
Tot Ion:212 Resp: 95427

Ion Ratio Lower Upper

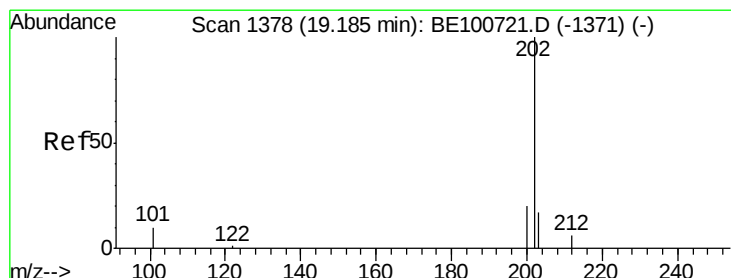
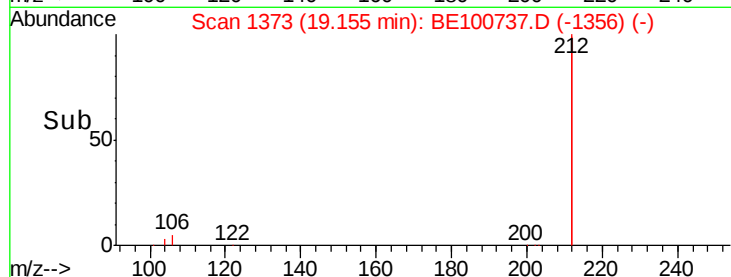
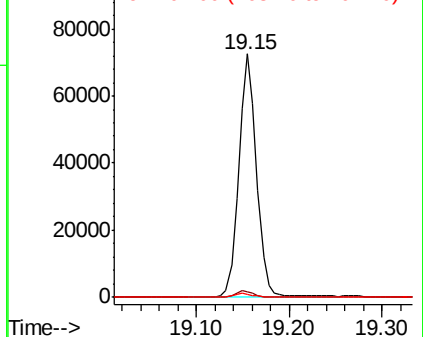
212 100

106 2.6 2.2 3.4

104 1.4 1.2 1.8



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: 0.553 ng

RT: 19.18 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

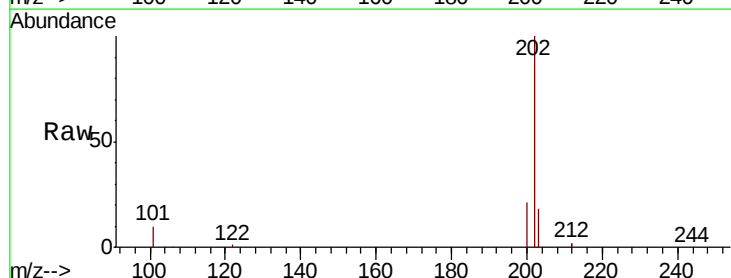
Tgt Ion:202 Resp: 38346

Ion Ratio Lower Upper

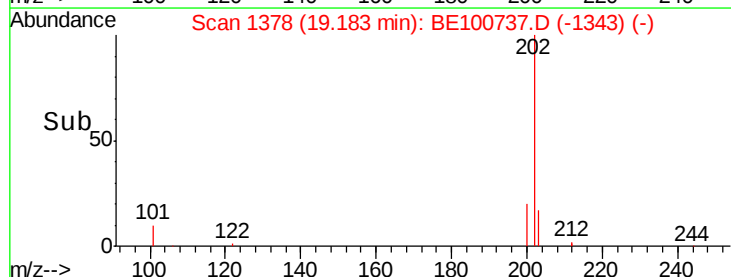
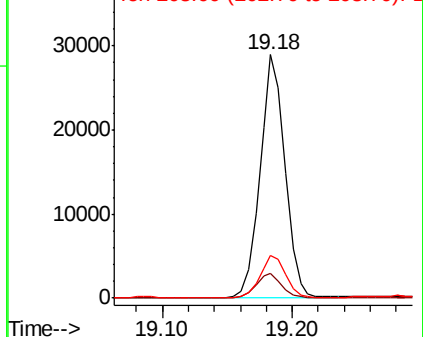
202 100

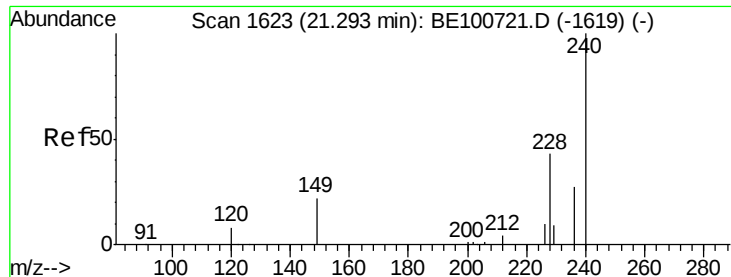
101 9.9 8.6 12.8

203 17.5 13.6 20.4



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

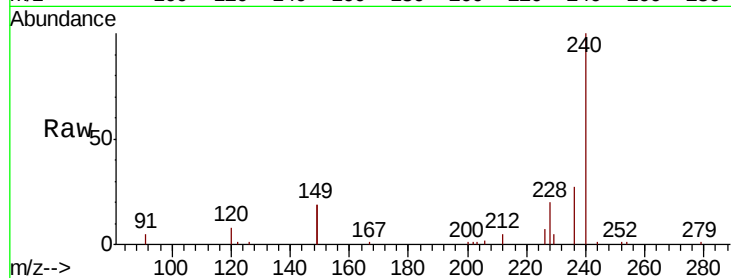




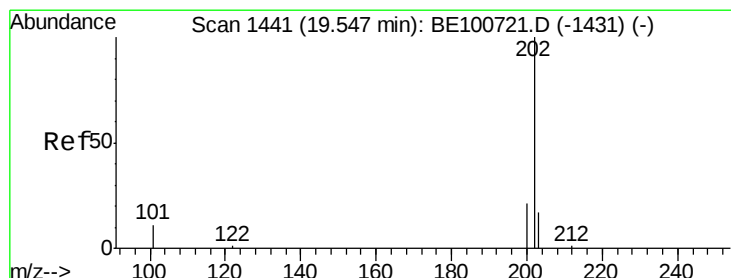
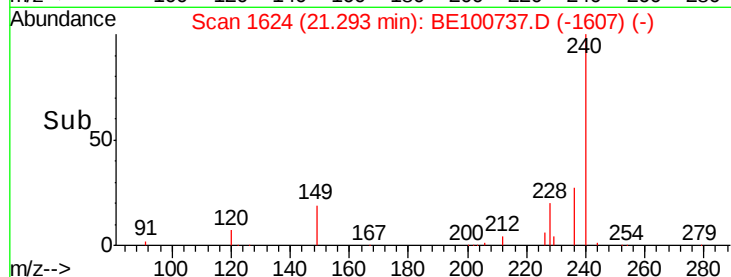
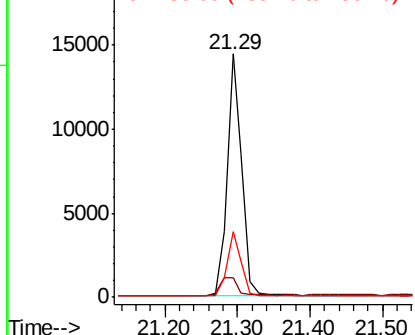
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

Instrument :
BNA_E
ClientSampleId :
PST-024-SW129-110619-1

Tot Ion:240 Resp: 20533
Ion Ratio Lower Upper
240 100
120 8.2 7.4 11.0
236 27.0 21.8 32.6

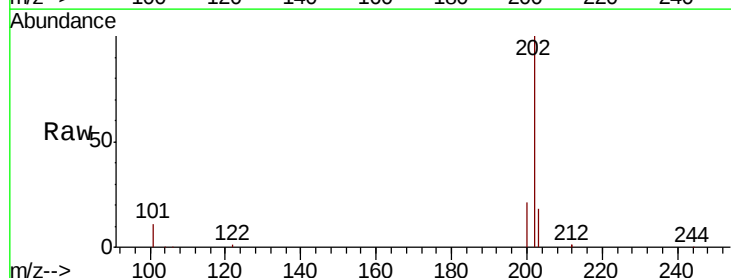


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

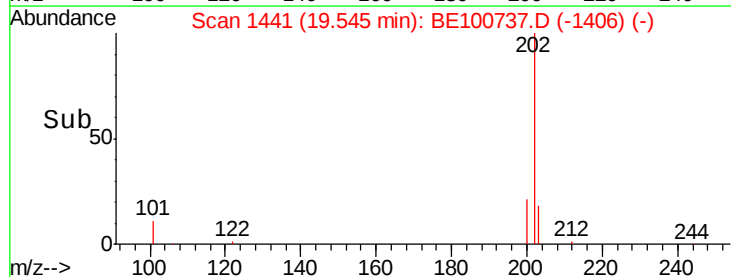
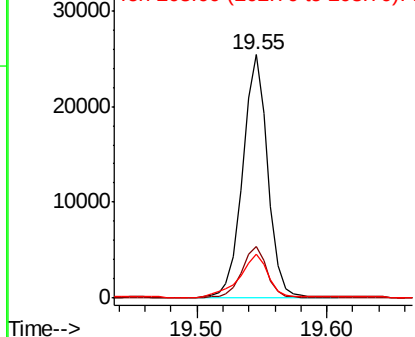


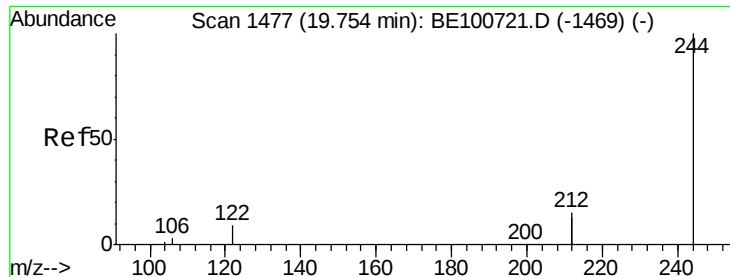
#28
Pyrene
Concen: 0.590 ng
RT: 19.55 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

Tgt Ion:202 Resp: 33649
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 20.4 14.0 21.0



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: 0.395 ng

RT: 19.76 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Instrument :

BNA_E

ClientSampleId :

PST-024-SW129-110619-1

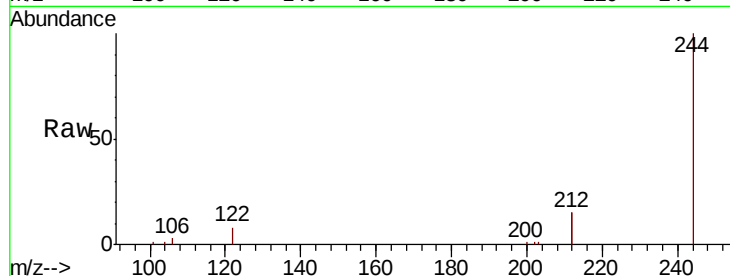
Tot Ion:244 Resp: 19347

Ion Ratio Lower Upper

244 100

212 29.1 24.3 36.5

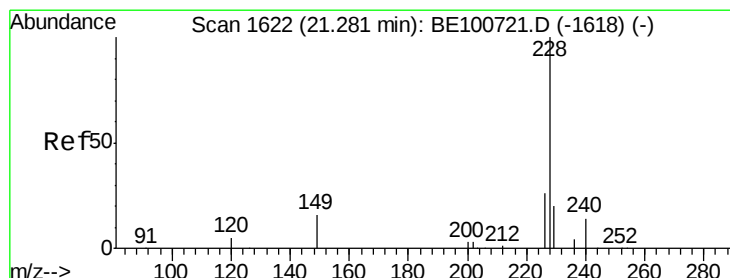
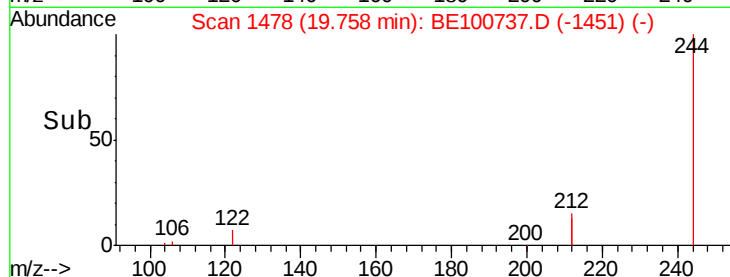
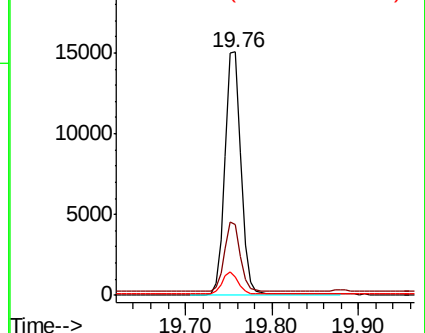
122 7.6 7.6 11.4



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: 0.227 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

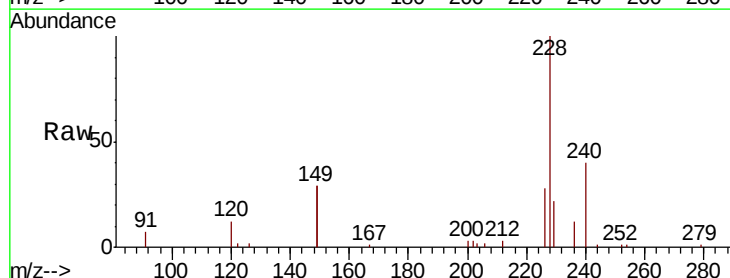
Tgt Ion:228 Resp: 14981

Ion Ratio Lower Upper

228 100

226 28.1 21.1 31.7

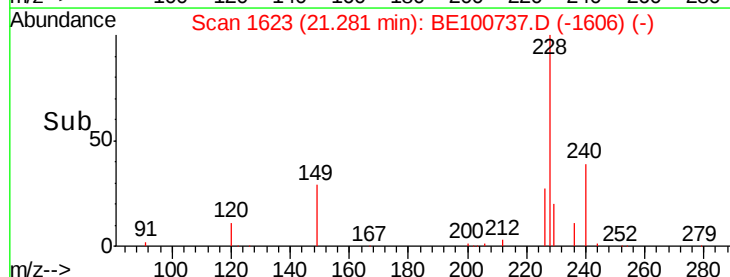
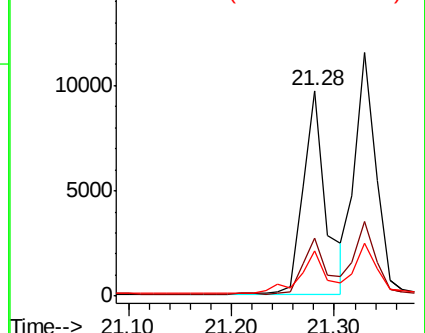
229 21.8 15.9 23.9

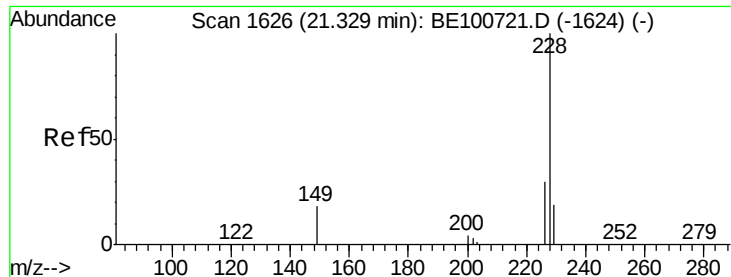


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.241 ng

RT: 21.33 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Instrument :

BNA_E

ClientSampleId :

PST-024-SW129-110619-1

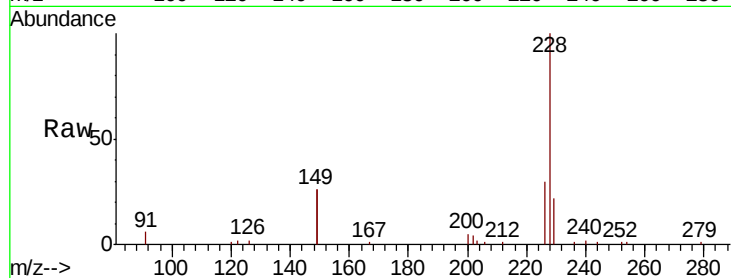
Tot Ion:228 Resp: 16098

Ion Ratio Lower Upper

228 100

226 30.4 24.5 36.7

229 21.8 15.5 23.3

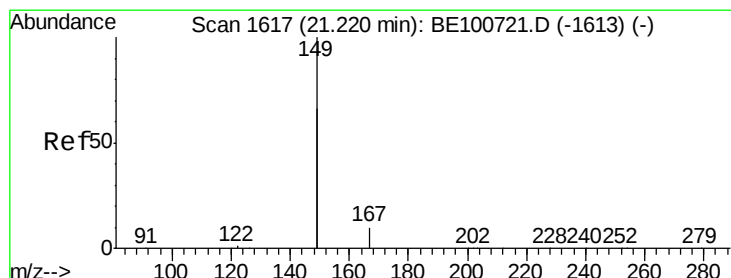
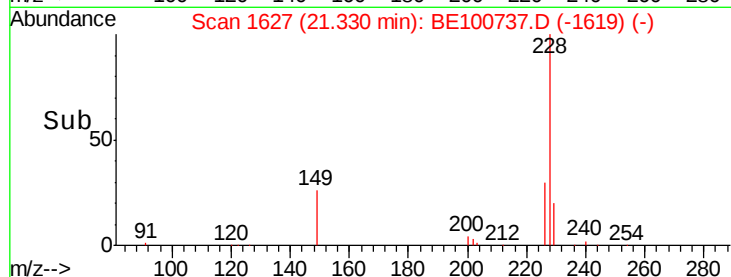
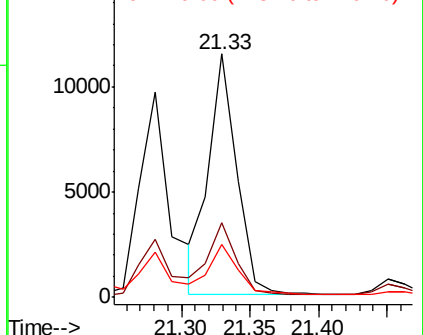


Abundance

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: 0.161 ng

RT: 21.22 min Scan# 1618

Delta R.T. 0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

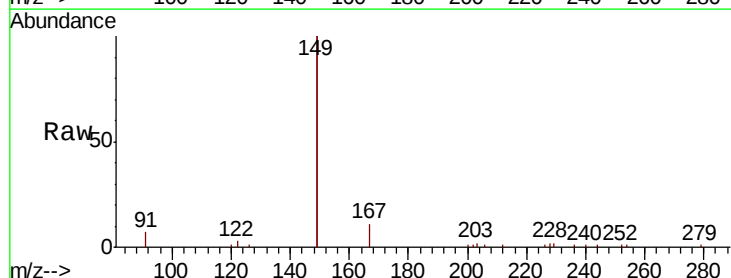
Tgt Ion:149 Resp: 18815

Ion Ratio Lower Upper

149 100

167 6.7 5.2 7.8

279 1.1 0.9 1.3

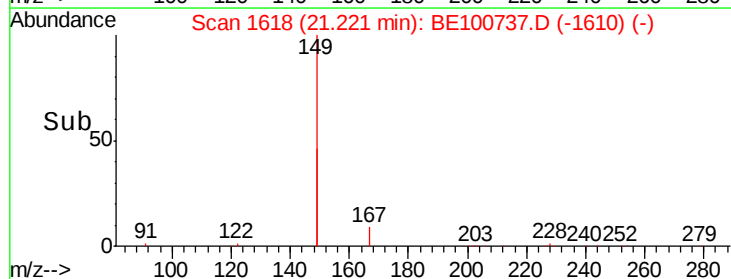
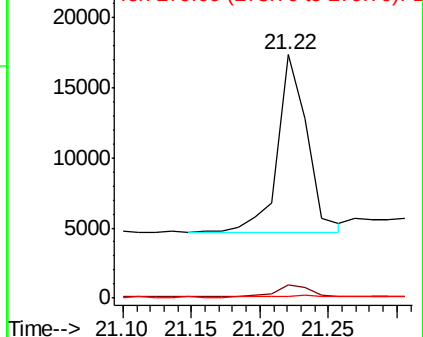


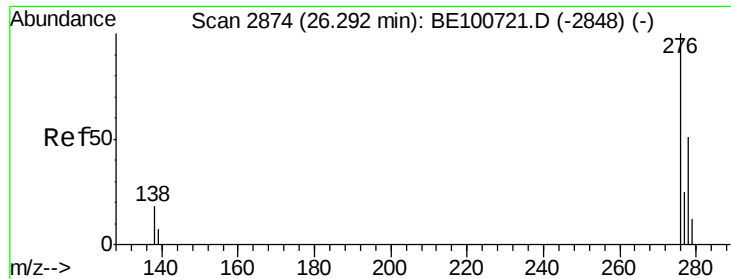
Abundance

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: 0.133 ng

RT: 26.28 min Scan# 2873

Delta R.T. -0.01 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Instrument :

BNA_E

ClientSampleId :

PST-024-SW129-110619-1

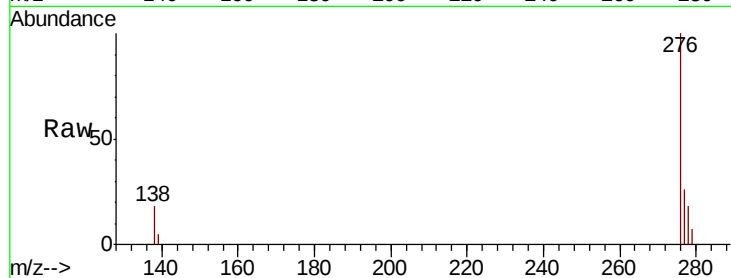
Tot Ion:276 Resp: 10407

Ion Ratio Lower Upper

276 100

138 15.2 14.8 22.2

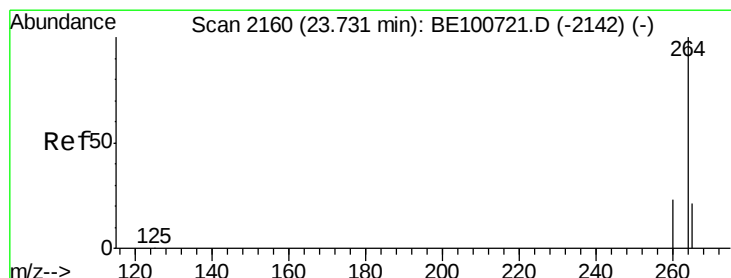
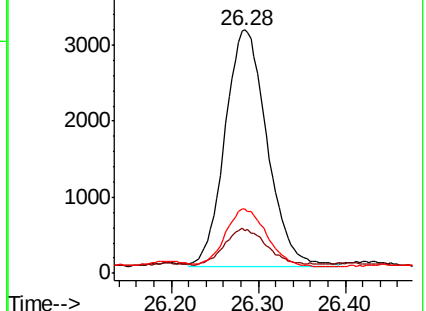
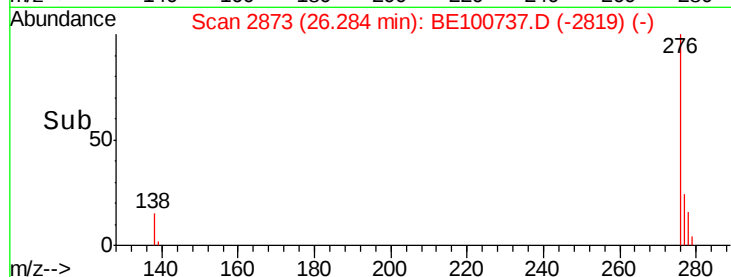
277 23.7 19.6 29.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.73 min Scan# 2160

Delta R.T. -0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

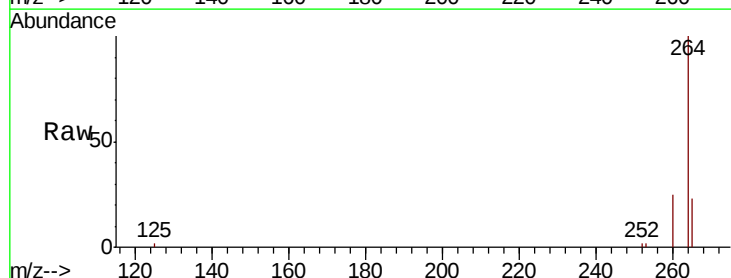
Tgt Ion:264 Resp: 22235

Ion Ratio Lower Upper

264 100

260 24.7 19.1 28.7

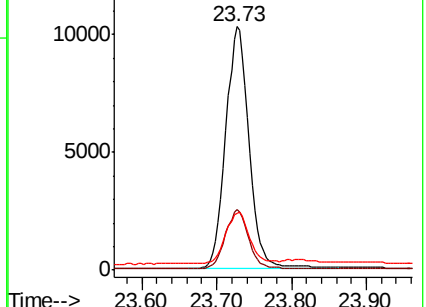
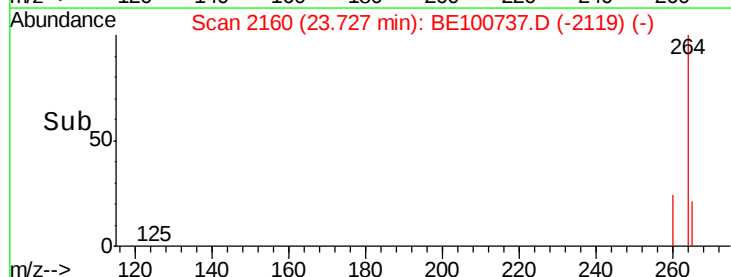
265 23.5 19.7 29.5

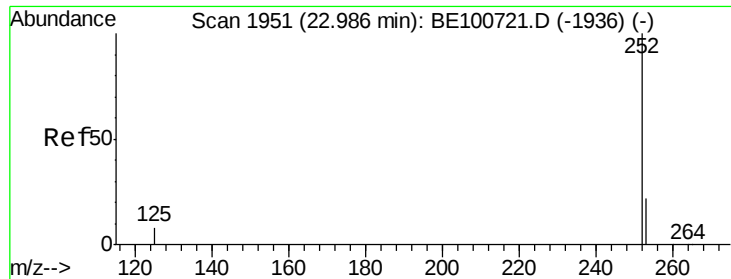


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.316 ng

RT: 22.99 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

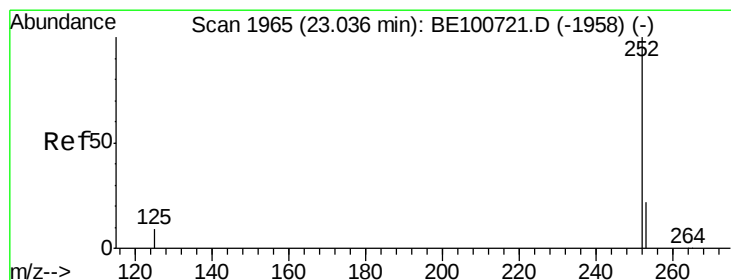
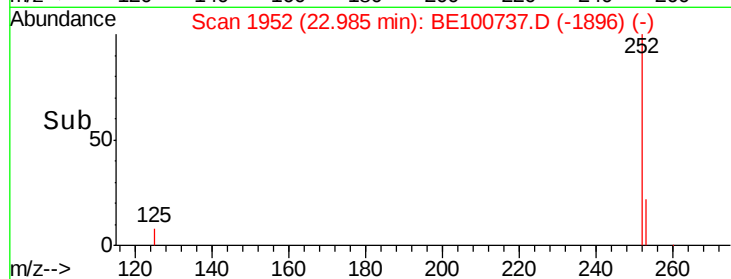
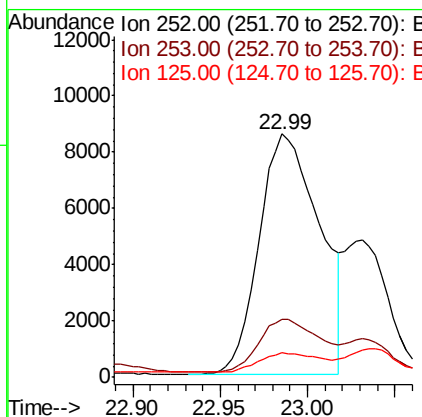
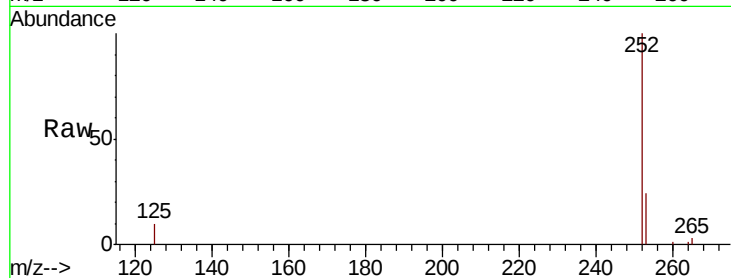
Instrument :

BNA_E

ClientSampleId :

PST-024-SW129-110619-1

Tot	Ion:252	Resp:	20497
Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.7	28.1
125	10.2	7.0	10.4



#36

Benzo(k)fluoranthene

Concen: 0.301 ng

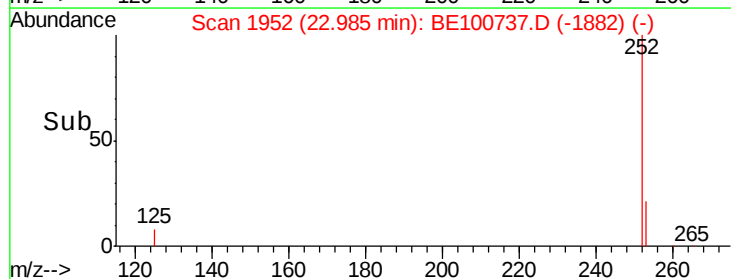
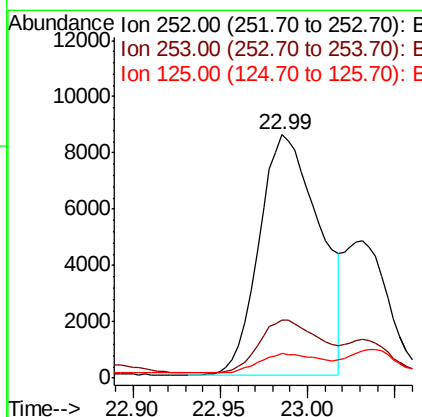
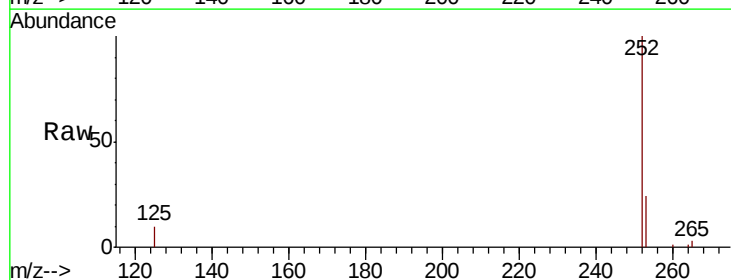
RT: 22.99 min Scan# 1952

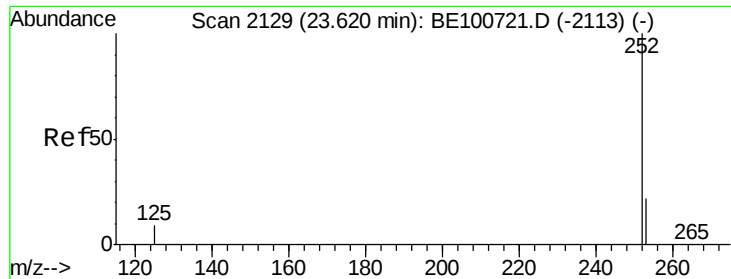
Delta R.T. -0.05 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Tgt	Ion:252	Resp:	20497
Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.6	27.8
125	10.2	7.6	11.4





#37

Benzo(a)pyrene

Concen: 0.213 ng

RT: 23.62 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Instrument :

BNA_E

ClientSampleId :

PST-024-SW129-110619-1

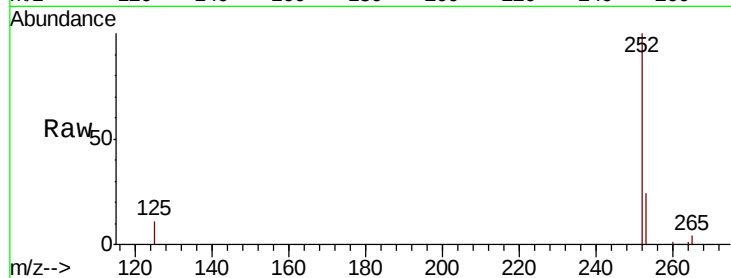
Tot Ion:252 Resp: 12892

Ion Ratio Lower Upper

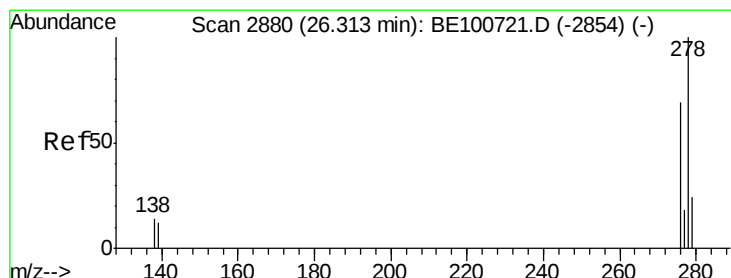
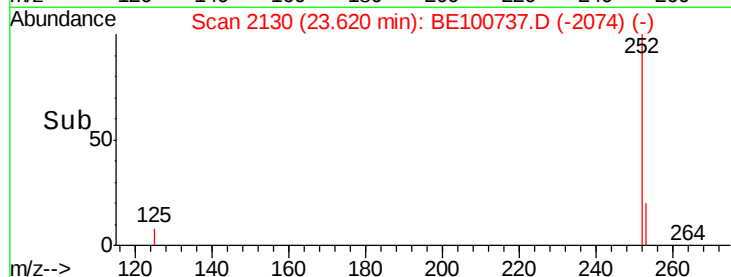
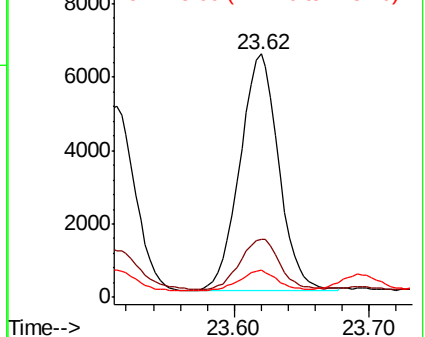
252 100

253 23.8 18.6 28.0

125 11.3 7.9 11.9



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



#38

Dibenzo(a,h)anthracene

Concen: 0.039 ng

RT: 26.31 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

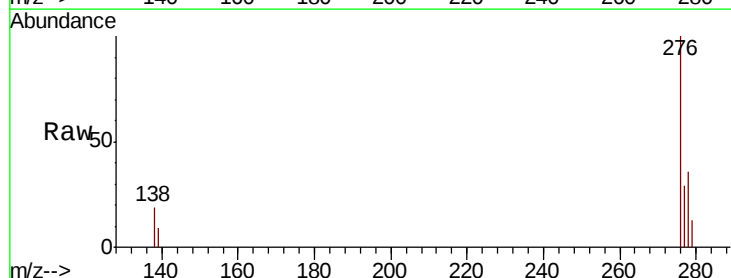
Tgt Ion:278 Resp: 2428

Ion Ratio Lower Upper

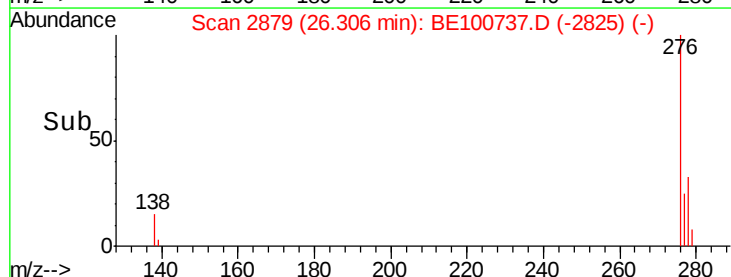
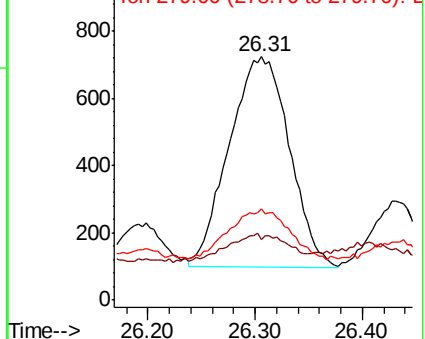
278 100

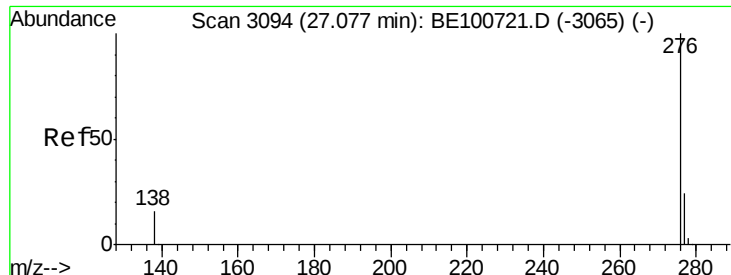
139 25.0 10.3 15.5#

279 37.4 20.6 31.0#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.173 ng

RT: 27.07 min Scan# 3094

Delta R.T. -0.00 min

Lab File: BE100737.D

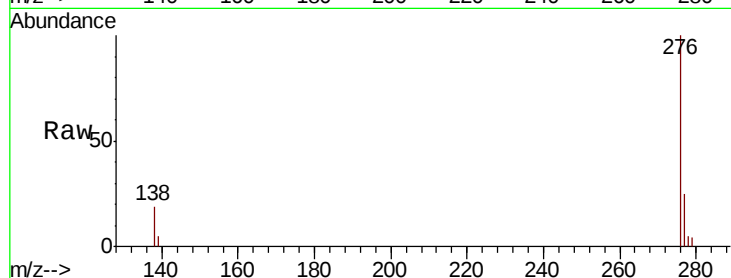
Acq: 15 Nov 2019 15:02

Instrument :

BNA_E

ClientSampleId :

PST-024-SW129-110619-1



Tot Ion: 276 Resp: 10691

Ion Ratio Lower Upper

276 100

277 25.2 19.8 29.6

138 18.5 13.6 20.4

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

