

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050919\
 Data File : BE099590.D
 Acq On : 9 May 2019 15:58
 Operator : JU/SJ
 Sample : PB119482BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 10 07:03:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 09 13:32:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1876	0.40	ng	0.02
7) Naphthalene-d8	10.64	136	6321	0.40	ng	0.01
13) Acenaphthene-d10	14.50	164	3996	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	11049	0.40	ng	0.00
27) Chrysene-d12	21.43	240	16015	0.40	ng	0.00
34) Perylene-d12	23.98	264	19413	0.40	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.40	112	1786	0.35	ng	0.00
5) Phenol-d6	7.00	99	2223	0.33	ng	0.02
8) Nitrobenzene-d5	9.00	82	1986	0.33	ng	0.03
11) 2-Methylnaphthalene-d10	12.24	152	4774	0.45	ng	0.02
14) 2,4,6-Tribromophenol	16.00	330	667	0.28	ng	0.01
15) 2-Fluorobiphenyl	13.13	172	5276	0.34	ng	0.02
25) Fluoranthene-d10	19.28	212	49908	0.34	ng	0.01
29) Terphenyl-d14	19.87	244	10759	0.38	ng	0.00

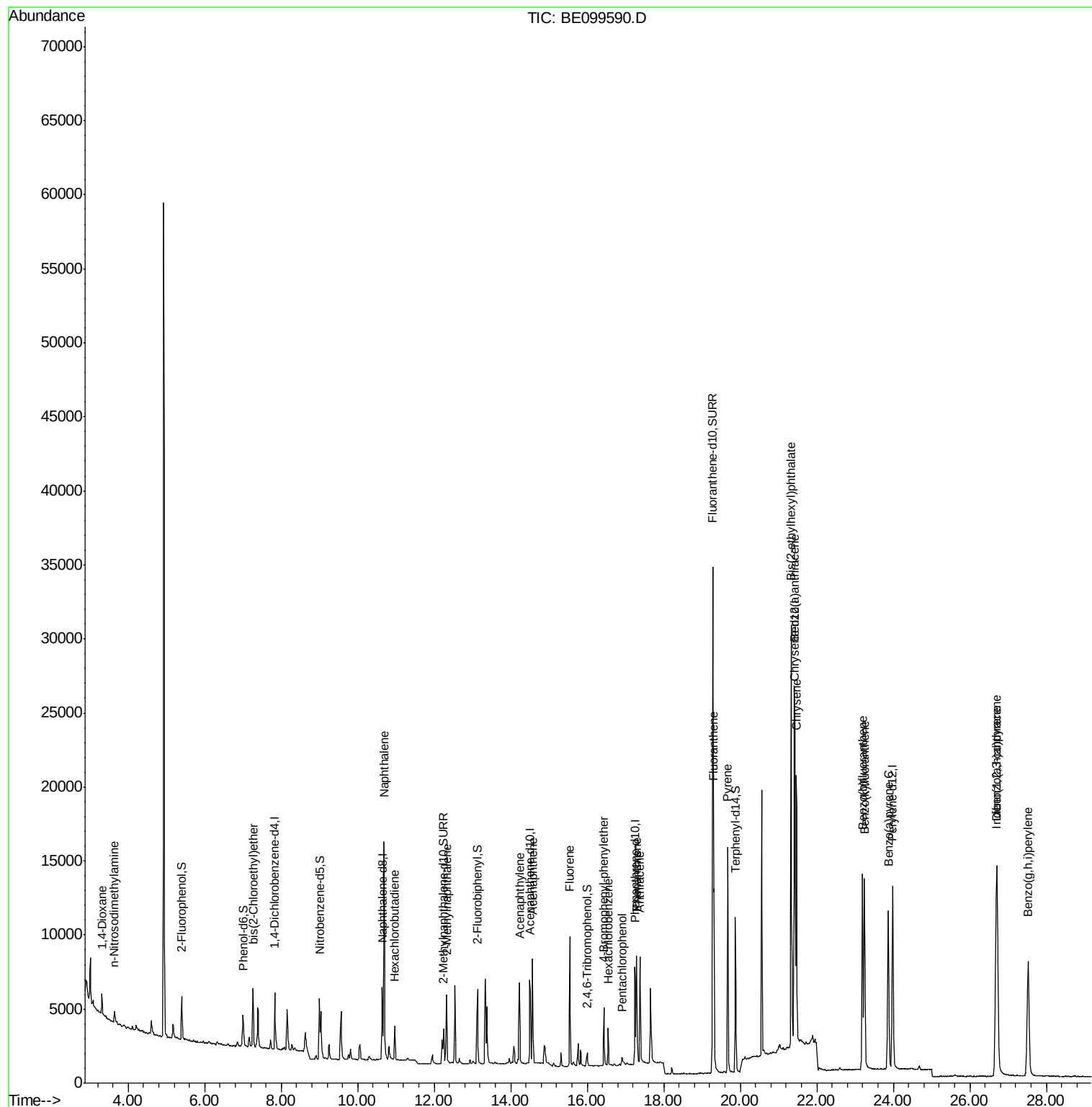
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	853	0.323	ng	# 60
3) n-Nitrosodimethylamine	3.63	42	564	0.344	ng	# 98
6) bis(2-Chloroethyl)ether	7.26	93	1871	0.334	ng	99
9) Naphthalene	10.69	128	23755	0.353	ng	100
10) Hexachlorobutadiene	10.97	225	1681	0.346	ng	98
12) 2-Methylnaphthalene	12.32	142	3890	0.354	ng	91
16) Acenaphthylene	14.23	152	6340	0.328	ng	100
17) Acenaphthene	14.57	154	3690	0.342	ng	99
18) Fluorene	15.54	166	5126	0.333	ng	98
20) 4-Bromophenyl-phenylether	16.44	248	2137	0.339	ng	# 94
21) Hexachlorobenzene	16.55	284	2096	0.331	ng	98
22) Pentachlorophenol	16.91	266	589	0.415	ng	98
23) Phenanthrene	17.30	178	9565	0.349	ng	99
24) Anthracene	17.38	178	8847	0.344	ng	99
26) Fluoranthene	19.31	202	14610	0.354	ng	99
28) Pyrene	19.67	202	15499	0.367	ng	99
30) Benzo(a)anthracene	21.41	228	19586	0.401	ng	97
31) Chrysene	21.46	228	19329	0.395	ng	98
32) Bis(2-ethylhexyl)phthalate	21.33	149	29885	0.425	ng	100
33) Indeno(1,2,3-cd)pyrene	26.69	276	24918	0.408	ng	# 94
35) Benzo(b)fluoranthene	23.19	252	19657	0.367	ng	99
36) Benzo(k)fluoranthene	23.25	252	19823	0.372	ng	99
37) Benzo(a)pyrene	23.87	252	19569	0.377	ng	100
38) Dibenzo(a,h)anthracene	26.71	278	20895	0.385	ng	98
39) Benzo(g,h,i)perylene	27.53	276	21192	0.385	ng	99

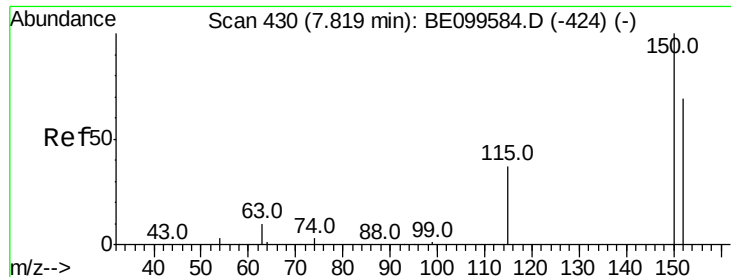
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 09 13:32:58 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.84 min Scan# 432

Delta R.T. 0.02 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

Instrument :

BNA_E

ClientSampleId :

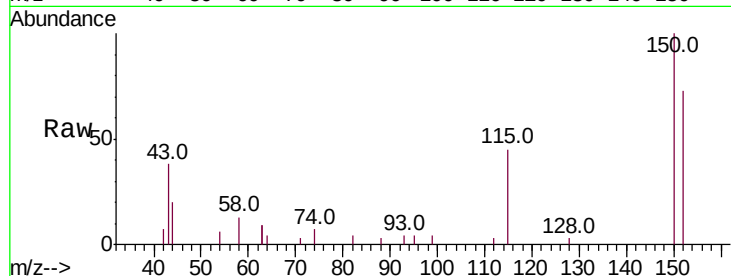
Tot Ion:152 Resp: 1876

Ion Ratio Lower Upper

152 100

150 136.6 114.2 171.4

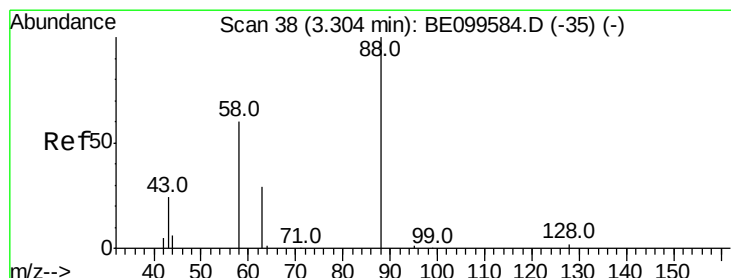
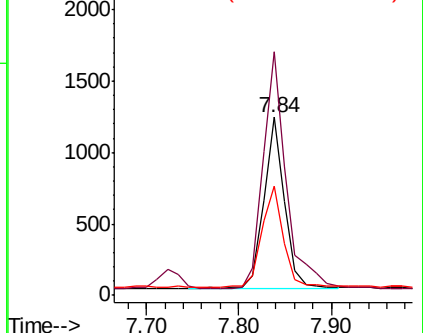
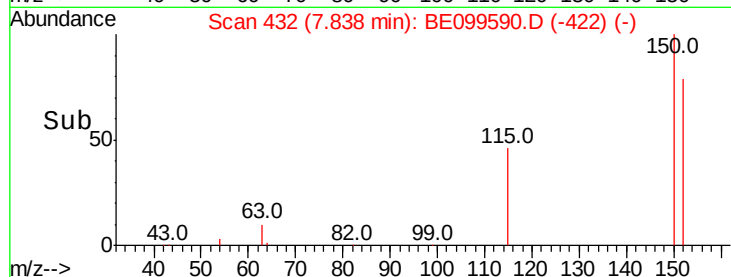
115 61.3 45.4 68.0



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



#2

1,4-Dioxane

Concen: 0.323 ng

RT: 3.31 min Scan# 39

Delta R.T. 0.01 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

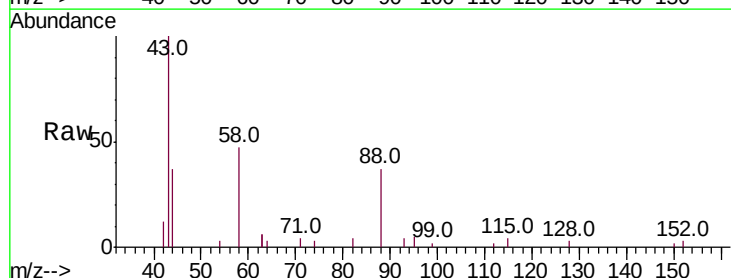
Tgt Ion: 88 Resp: 853

Ion Ratio Lower Upper

88 100

58 69.8 41.3 61.9#

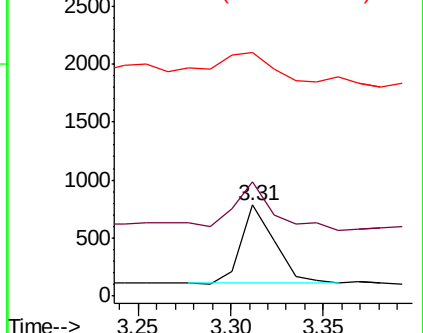
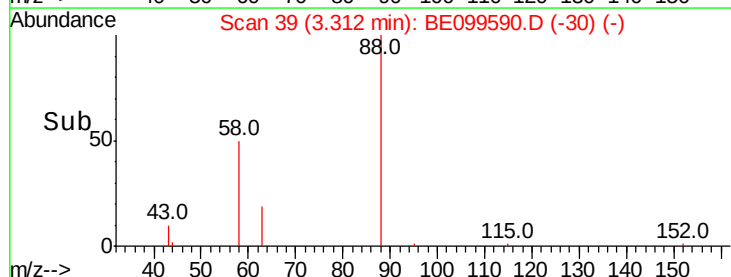
43 61.0 21.0 31.6#

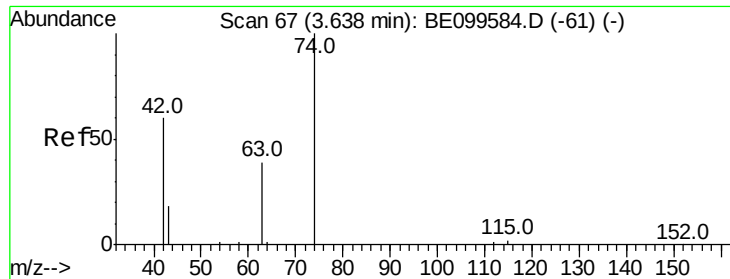


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



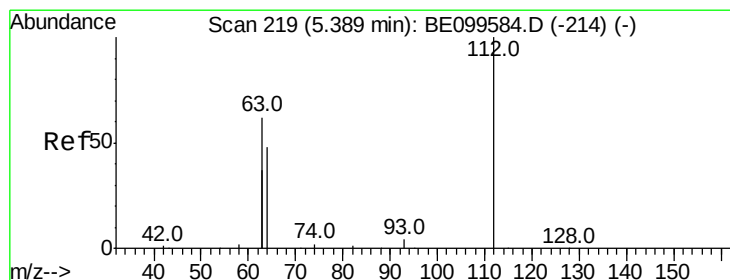
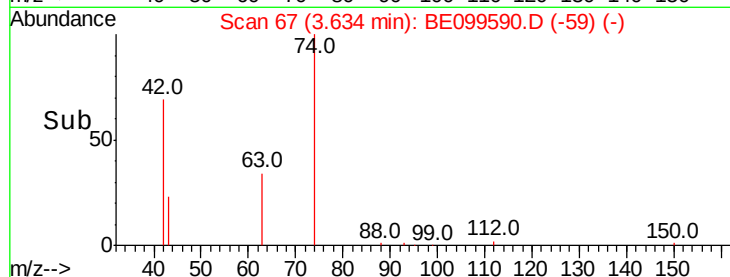
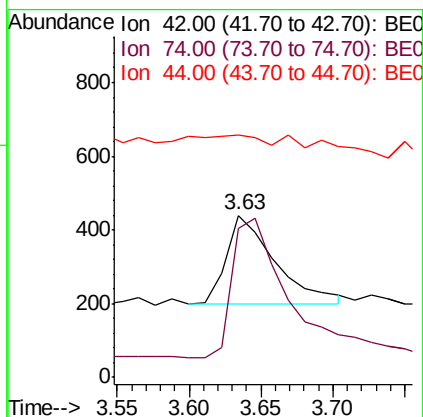
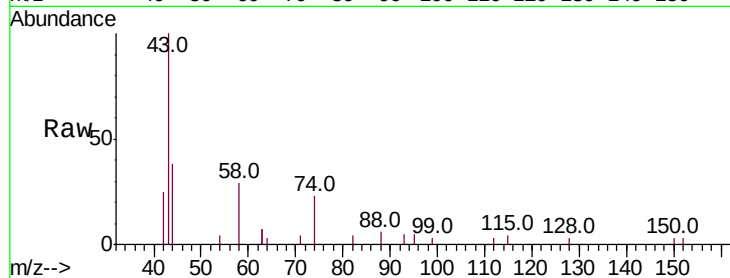


#3

n-Nitrosodimethylamine
 Concen: 0.344 ng
 RT: 3.63 min Scan# 67
 Delta R.T. -0.00 min
 Lab File: BE099590.D
 Acq: 9 May 2019 15:58

Instrument :
 BNA_E
 ClientSampled :

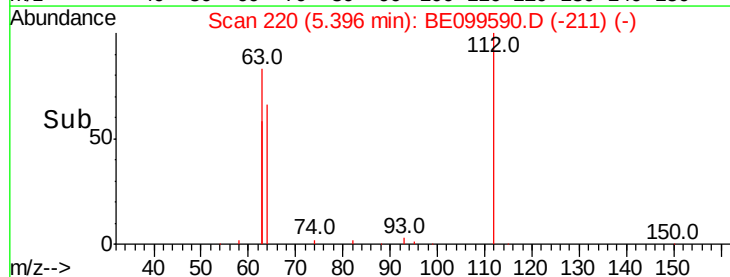
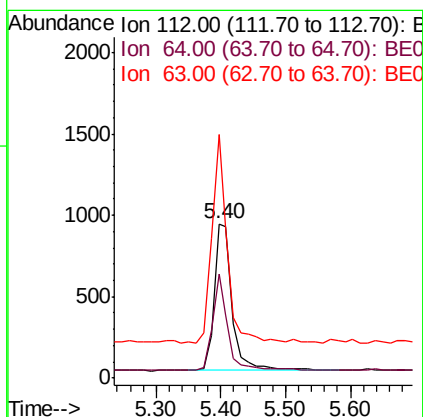
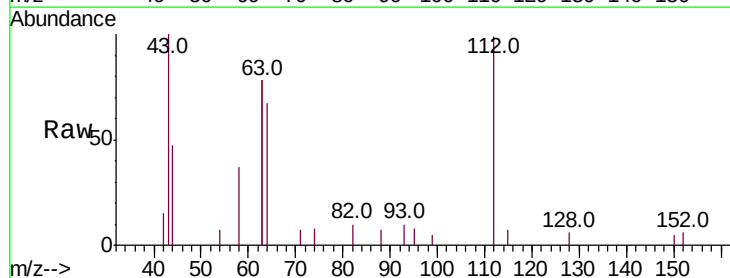
Tot Ion	42	Resp	564
Ion Ratio	Lower	Upper	
42	100		
74	173.4	136.9	205.3
44	14.9	7.1	10.7#

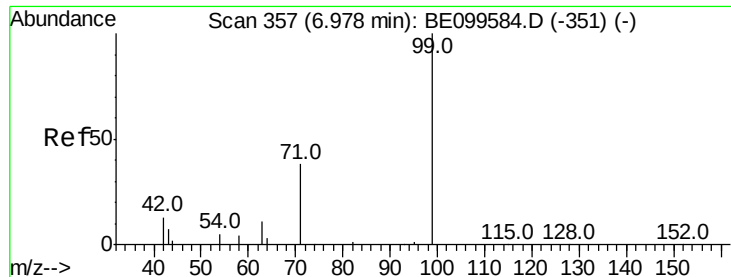


#4

2-Fluorophenol
 Concen: 0.348 ng
 RT: 5.40 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: BE099590.D
 Acq: 9 May 2019 15:58

Tgt Ion	112	Resp	1786
Ion Ratio	Lower	Upper	
112	100		
64	53.4	46.2	69.4
63	119.8	100.2	150.4





#5

Phenol-d6

Concen: 0.330 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.02 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

Instrument :

BNA_E

ClientSampled :

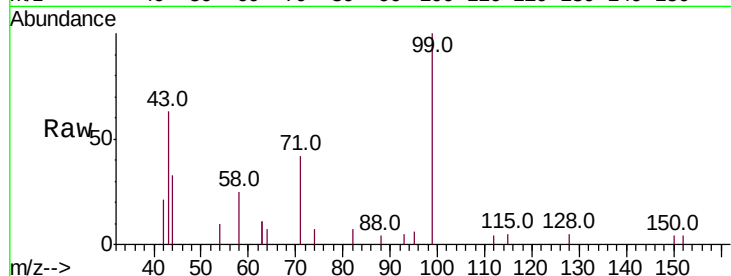
Tot Ion: 99 Resp: 2223

Ion Ratio Lower Upper

99 100

42 18.0 13.8 20.8

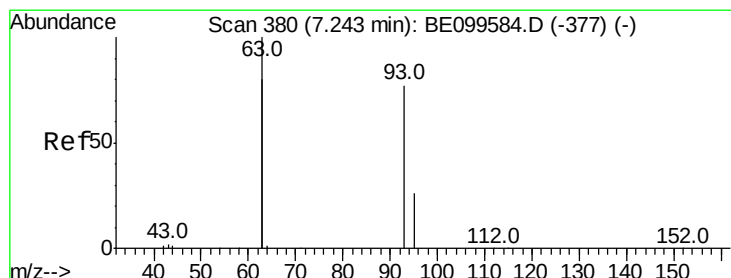
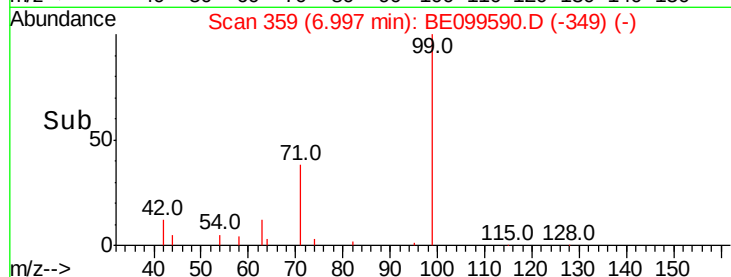
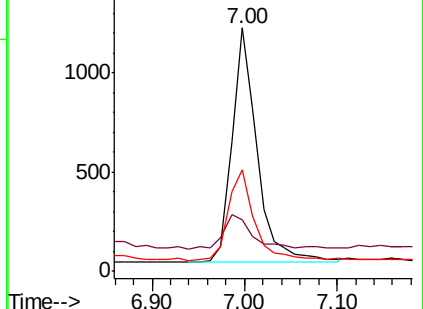
71 41.3 32.2 48.4



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.334 ng

RT: 7.26 min Scan# 382

Delta R.T. 0.02 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

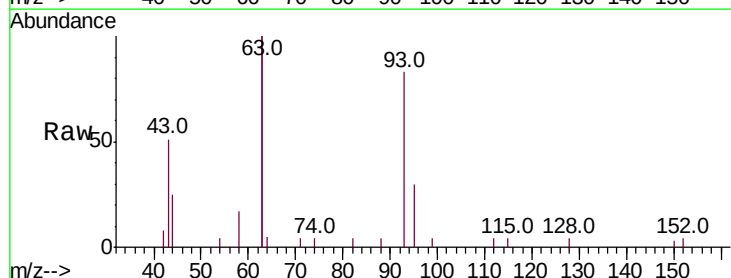
Tgt Ion: 93 Resp: 1871

Ion Ratio Lower Upper

93 100

63 267.3 213.4 320.0

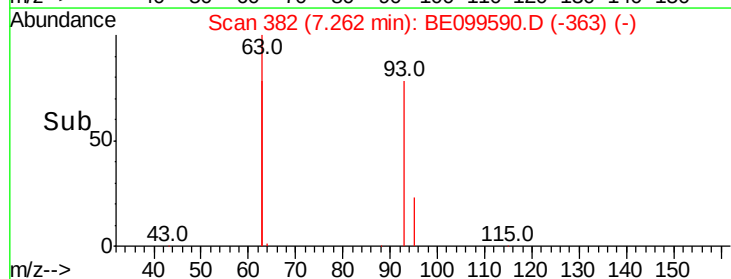
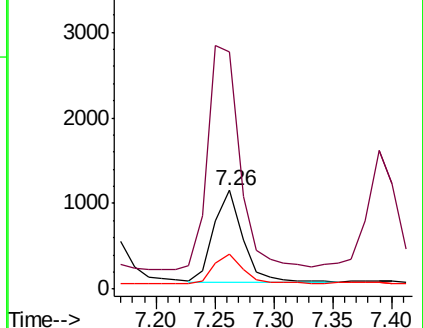
95 32.4 24.9 37.3

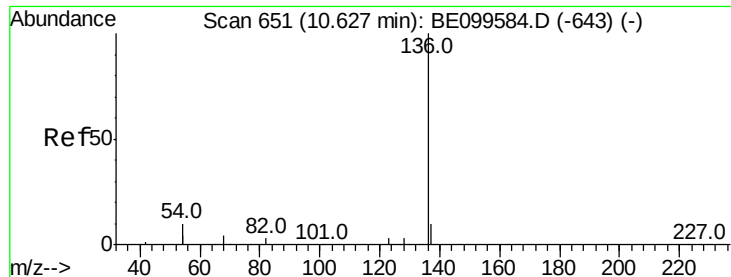


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. 0.01 min

Lab File: BE099590.D

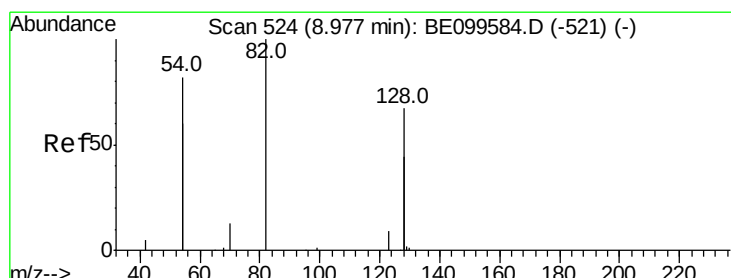
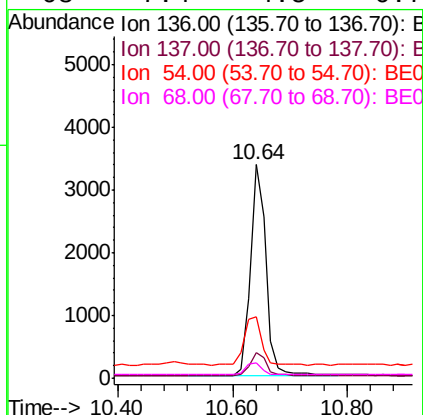
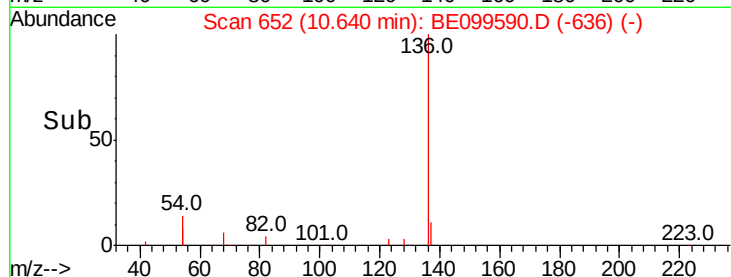
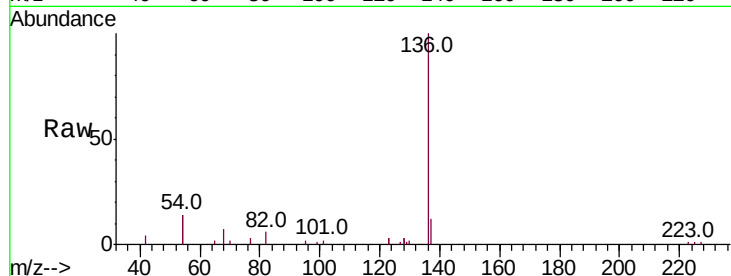
Acq: 9 May 2019 15:58

Instrument :

BNA_E

ClientSampled :

Tot Ion:136	Resp:	6321
Ion Ratio	Lower	Upper
136	100	
137	11.8	9.1 13.7
54	28.5	16.5 24.7#
68	7.4	4.5 6.7#



#8

Nitrobenzene-d5

Concen: 0.335 ng

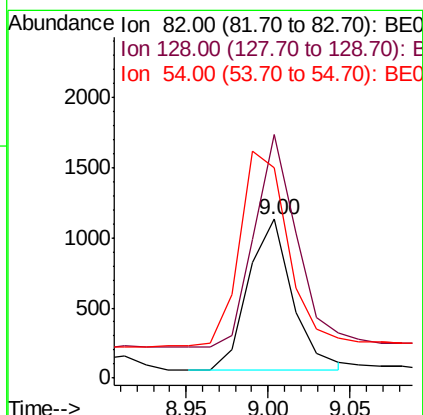
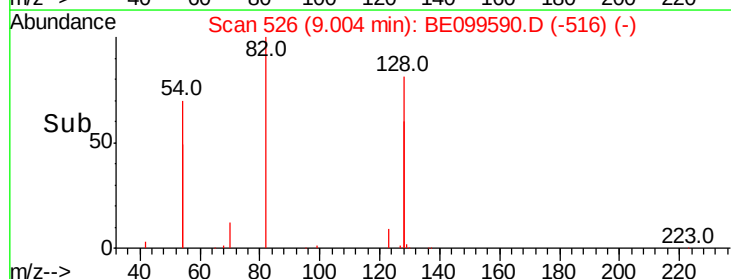
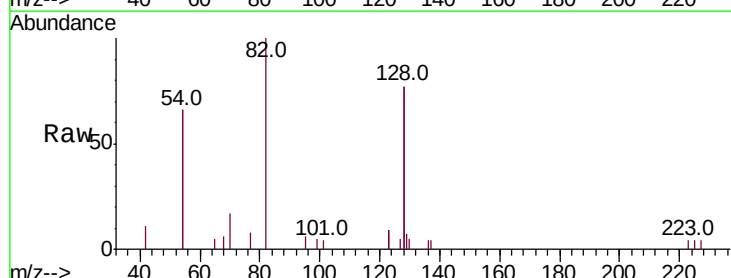
RT: 9.00 min Scan# 526

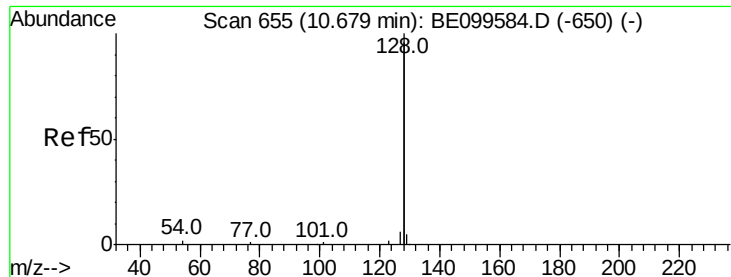
Delta R.T. 0.03 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

Tgt Ion: 82	Resp:	1986
Ion Ratio	Lower	Upper
82	100	
128	153.4	101.5 152.3#
54	132.5	123.8 185.6





#9

Naphthalene

Concen: 0.353 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.01 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

Instrument :

BNA_E

ClientSampleId :

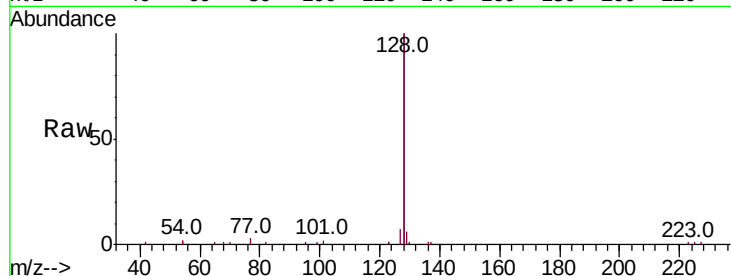
Tot Ion:128 Resp: 23755

Ion Ratio Lower Upper

128 100

129 3.0 2.4 3.6

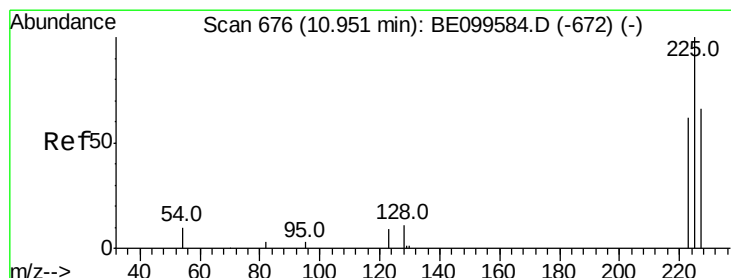
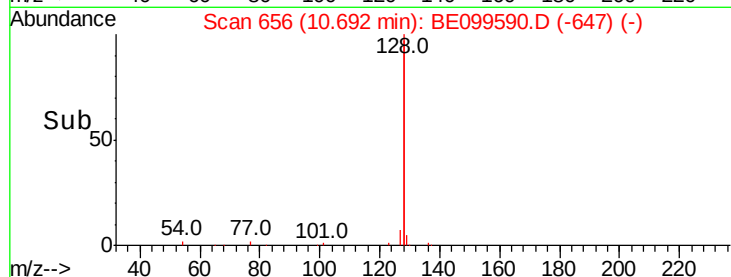
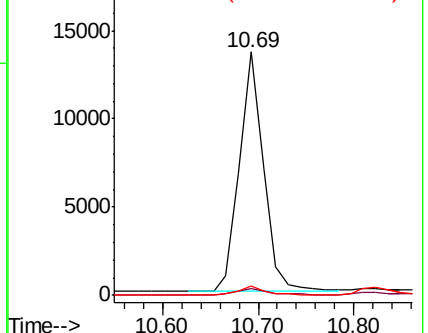
127 3.6 2.8 4.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.346 ng

RT: 10.97 min Scan# 677

Delta R.T. 0.01 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

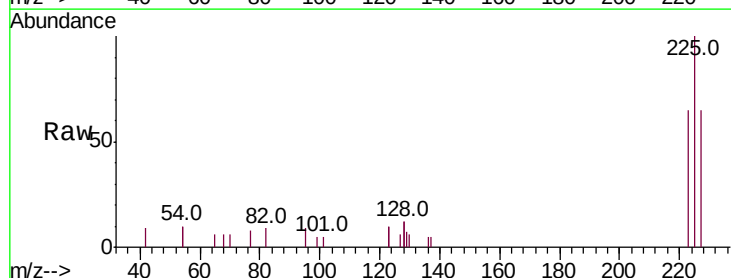
Tgt Ion:225 Resp: 1681

Ion Ratio Lower Upper

225 100

223 63.4 49.6 74.4

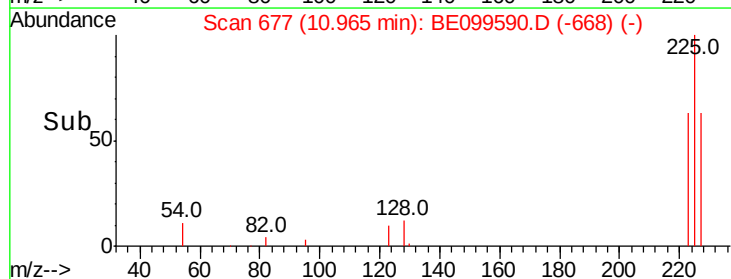
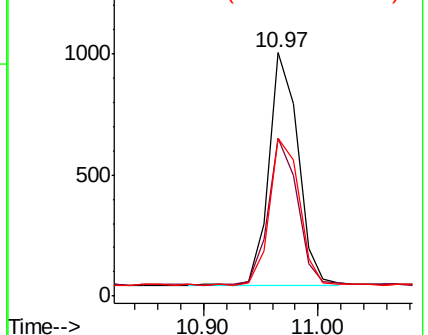
227 64.8 50.1 75.1

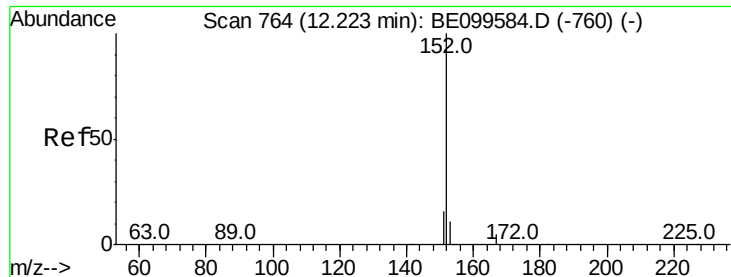


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

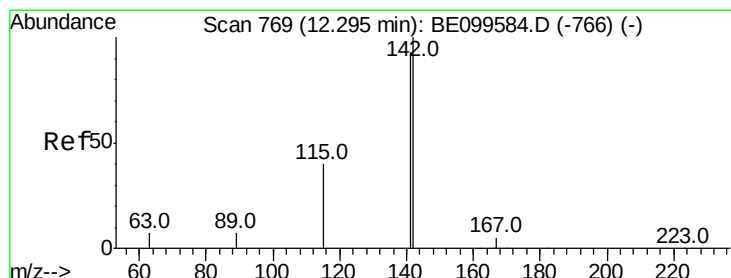
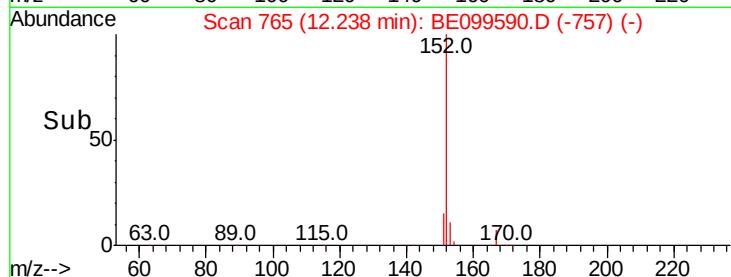
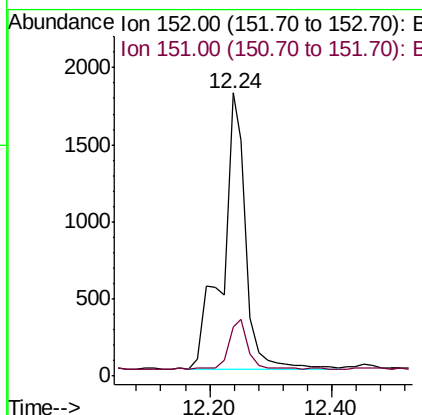
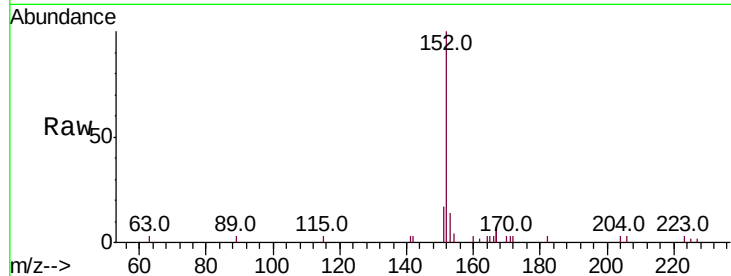




#11
 2-Methylnaphthalene-d10
 Concen: 0.451 ng
 RT: 12.24 min Scan# 765
 Delta R.T. 0.02 min
 Lab File: BE099590.D
 Acq: 9 May 2019 15:58

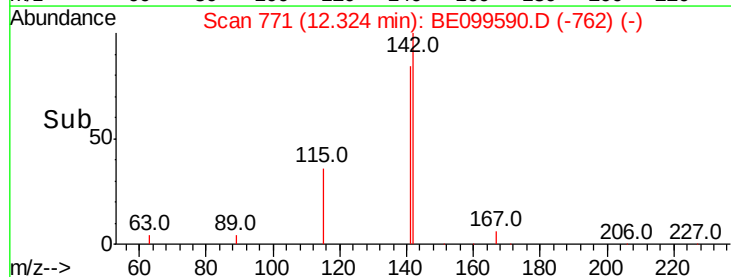
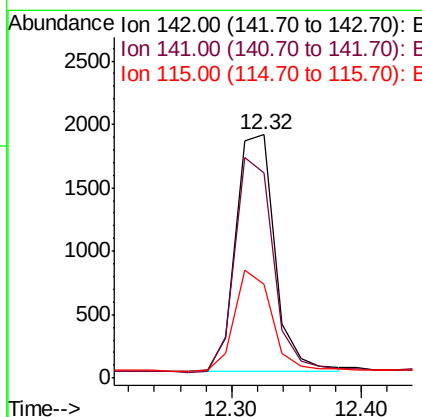
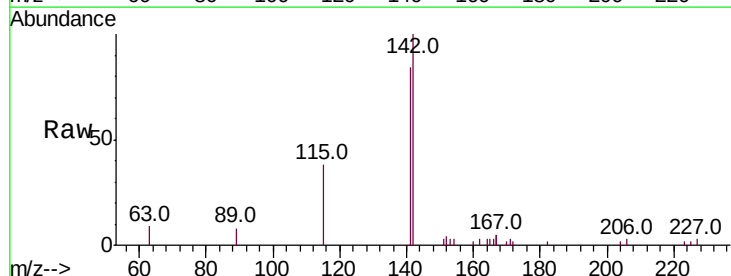
Instrument :
 BNA_E
 ClientSampleId :

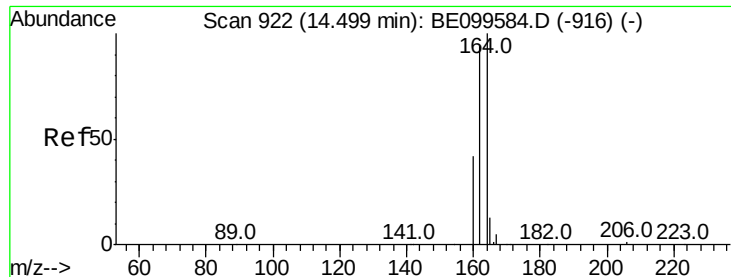
Tot Ion:152 Resp: 4774
 Ion Ratio Lower Upper
 152 100
 151 14.7 16.2 24.2#



#12
 2-Methylnaphthalene
 Concen: 0.354 ng
 RT: 12.32 min Scan# 771
 Delta R.T. 0.03 min
 Lab File: BE099590.D
 Acq: 9 May 2019 15:58

Tgt Ion:142 Resp: 3890
 Ion Ratio Lower Upper
 142 100
 141 84.2 75.0 112.4
 115 38.5 33.7 50.5

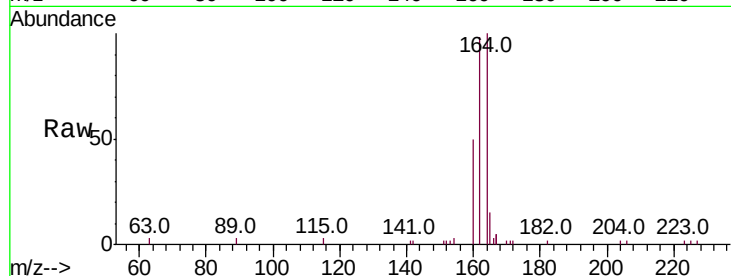




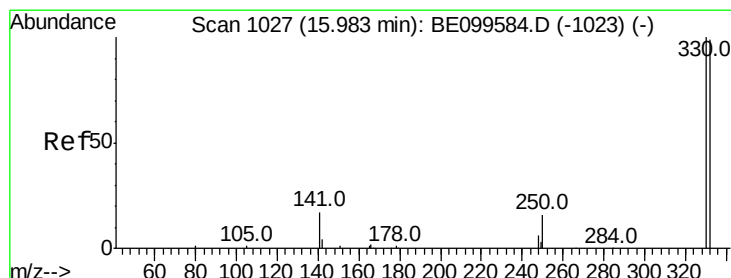
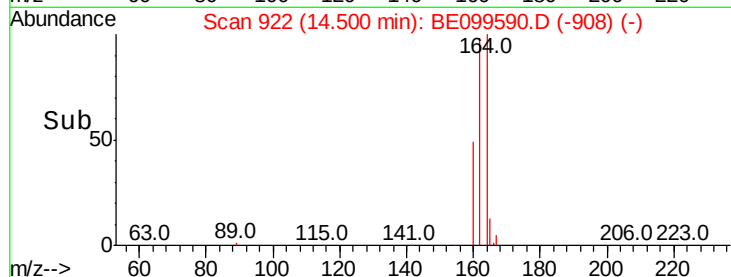
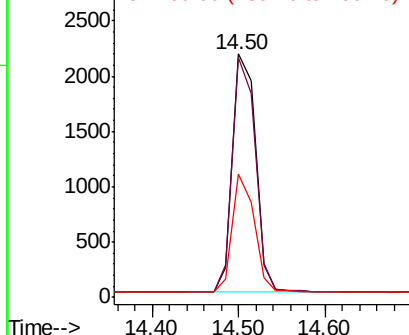
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.50 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: BE099590.D
 Acq: 9 May 2019 15:58

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 3996
 Ion Ratio Lower Upper
 164 100
 162 98.2 75.3 112.9
 160 50.5 34.7 52.1

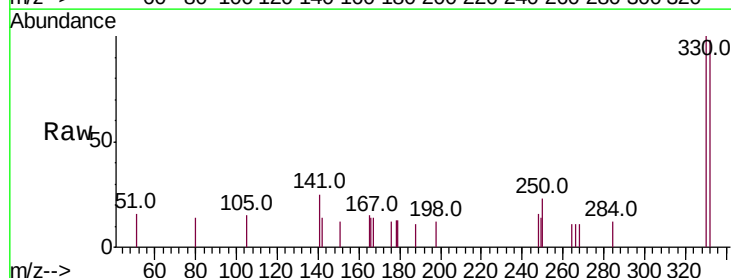


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

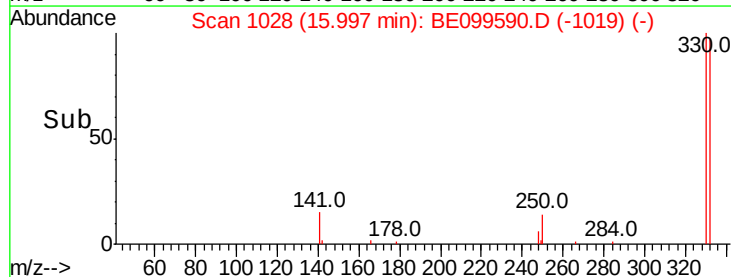
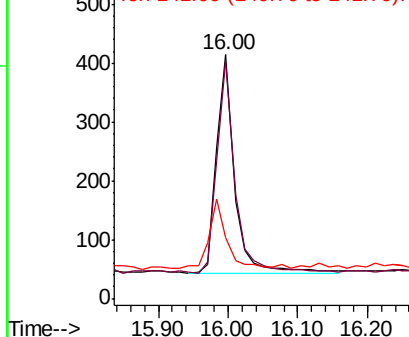


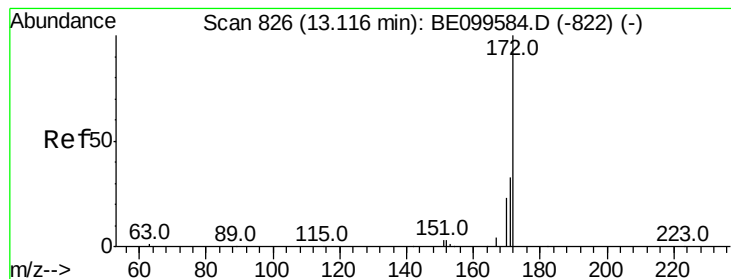
#14
 2,4,6-Tribromophenol
 Concen: 0.281 ng
 RT: 16.00 min Scan# 1028
 Delta R.T. 0.01 min
 Lab File: BE099590.D
 Acq: 9 May 2019 15:58

Tgt Ion:330 Resp: 667
 Ion Ratio Lower Upper
 330 100
 332 96.4 78.7 118.1
 141 30.6 22.3 33.5



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

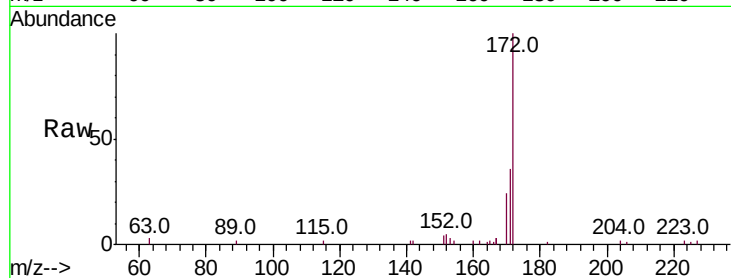




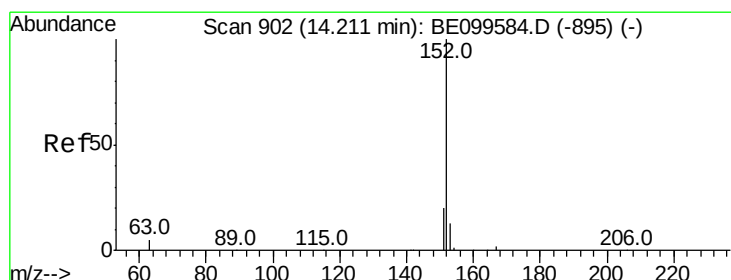
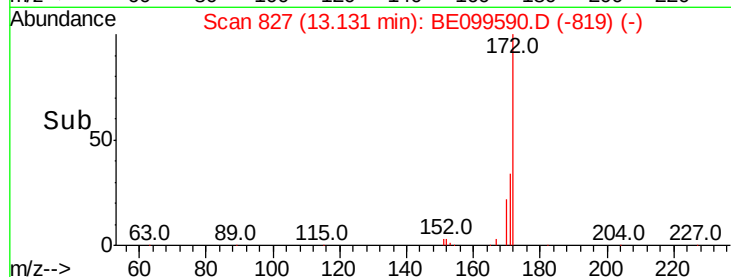
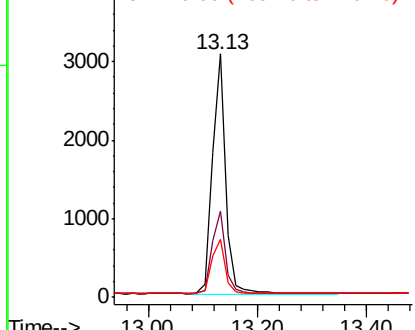
#15
 2-Fluorobiphenyl
 Concen: 0.341 ng
 RT: 13.13 min Scan# 827
 Delta R.T. 0.02 min
 Lab File: BE099590.D
 Acq: 9 May 2019 15:58

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:172 Resp: 5276
 Ion Ratio Lower Upper
 172 100
 171 35.5 27.5 41.3
 170 23.6 19.1 28.7

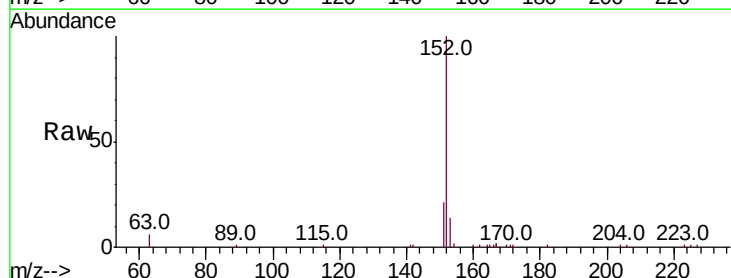


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

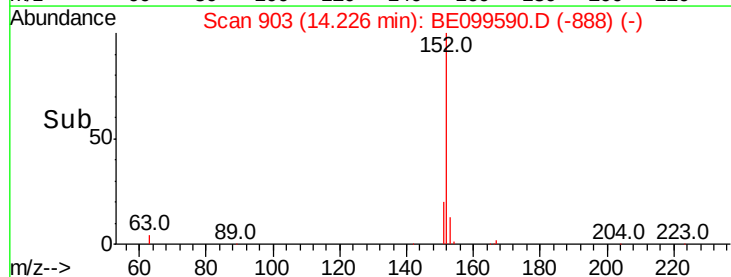
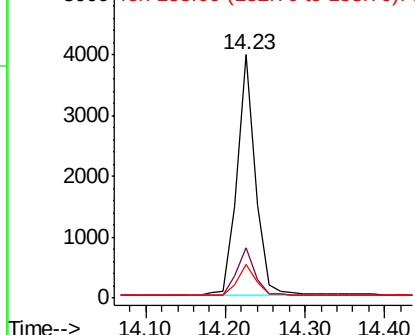


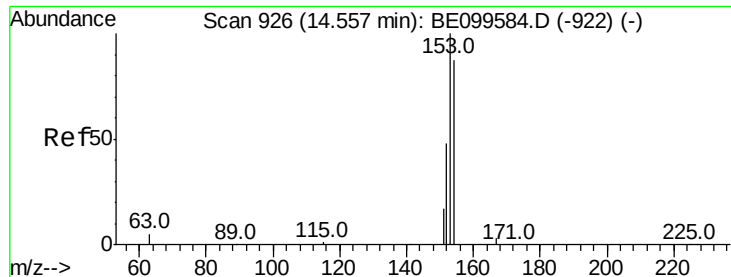
#16
 Acenaphthylene
 Concen: 0.328 ng
 RT: 14.23 min Scan# 903
 Delta R.T. 0.02 min
 Lab File: BE099590.D
 Acq: 9 May 2019 15:58

Tgt Ion:152 Resp: 6340
 Ion Ratio Lower Upper
 152 100
 151 19.6 15.5 23.3
 153 12.7 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.342 ng

RT: 14.57 min Scan# 927

Delta R.T. 0.02 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

Instrument :

BNA_E

ClientSampleId :

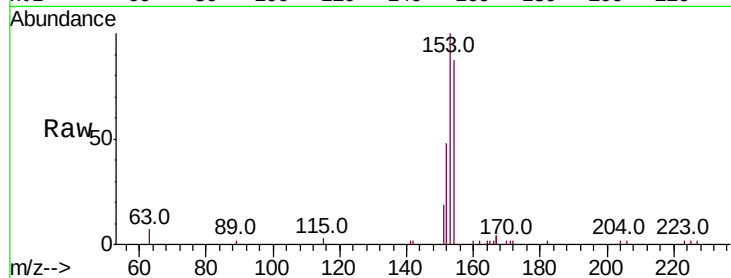
Tot Ion:154 Resp: 3690

Ion Ratio Lower Upper

154 100

153 114.8 92.9 139.3

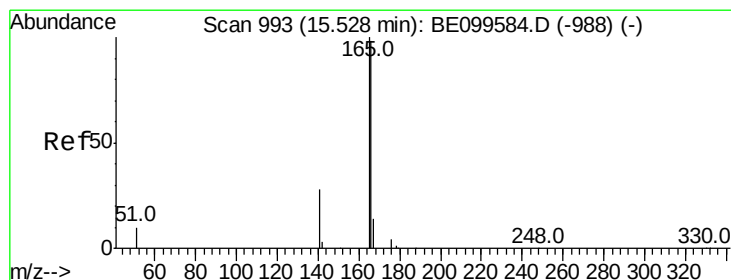
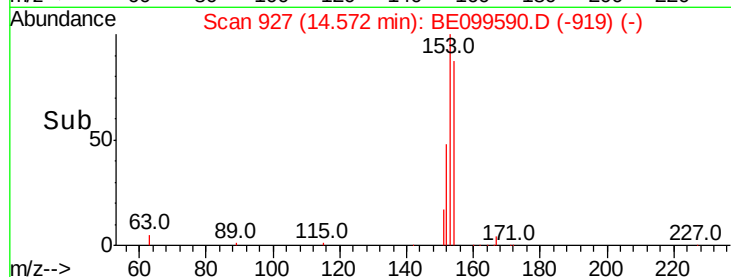
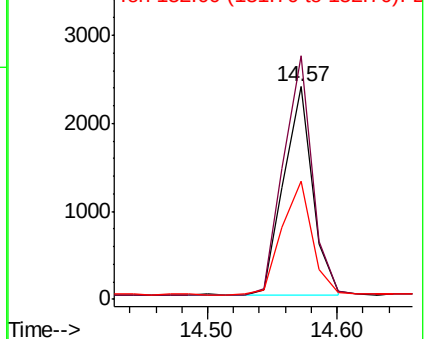
152 56.7 46.3 69.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.333 ng

RT: 15.54 min Scan# 994

Delta R.T. 0.01 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

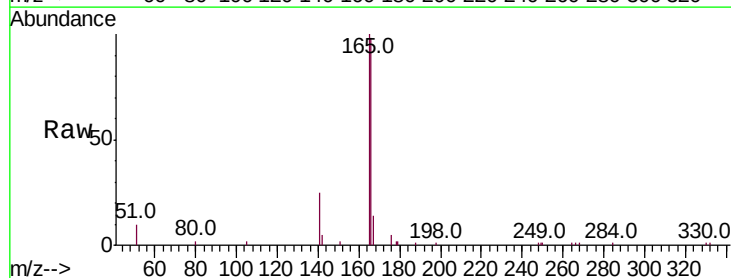
Tgt Ion:166 Resp: 5126

Ion Ratio Lower Upper

166 100

165 102.2 80.5 120.7

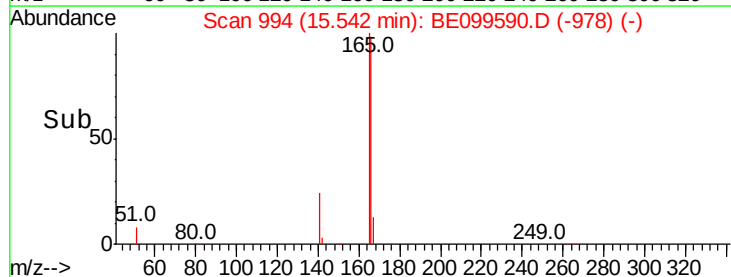
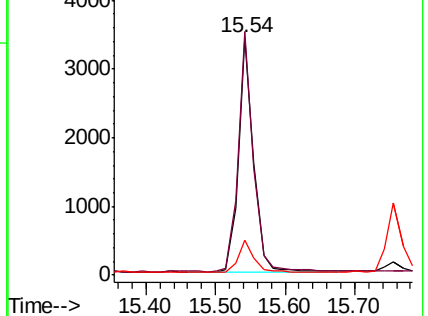
167 13.4 11.6 17.4

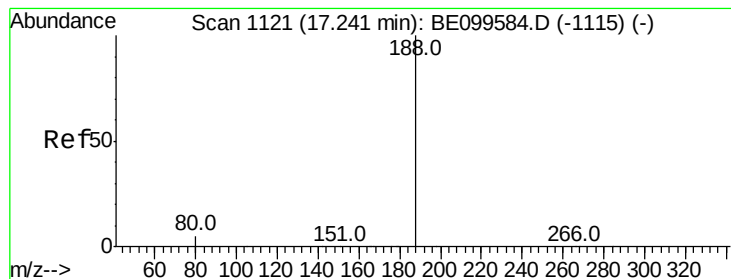


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

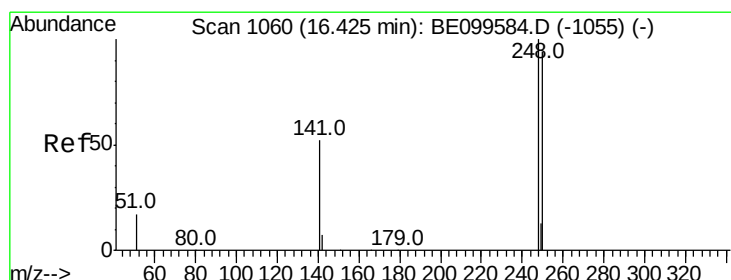
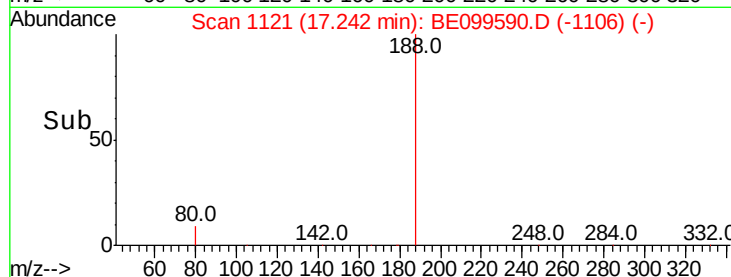
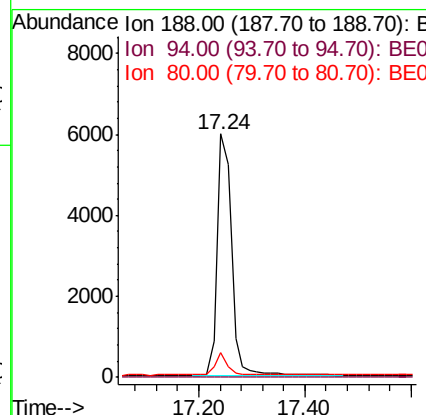
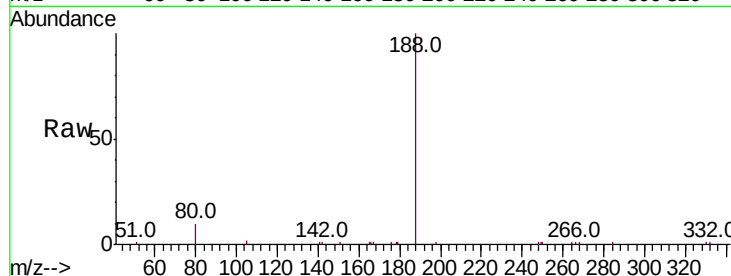




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE099590.D
Acq: 9 May 2019 15:58

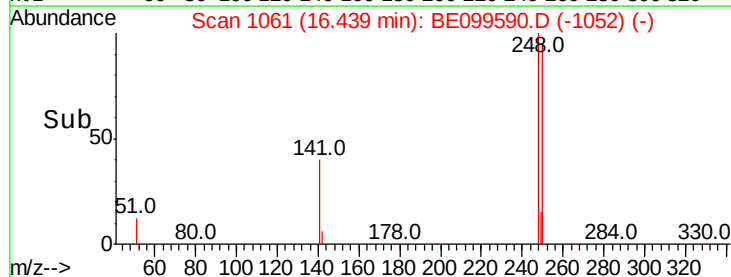
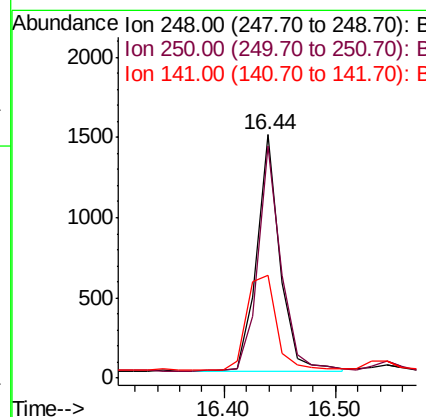
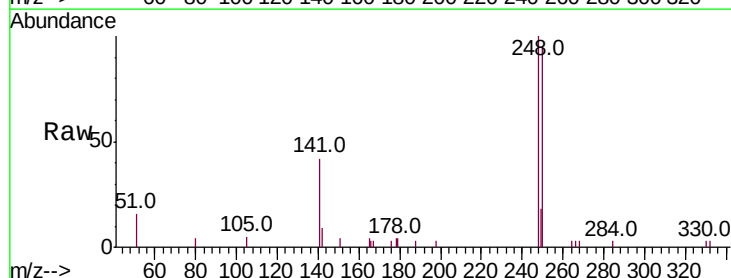
Instrument :
BNA_E
ClientSampleId :

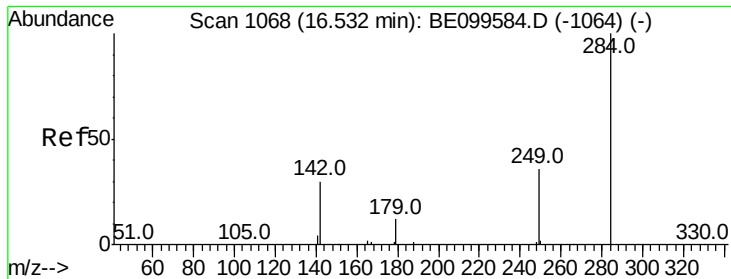
Tot Ion:188 Resp: 11049
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.9 4.4 6.6#



#20
4-Bromophenyl-phenylether
Concen: 0.339 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.01 min
Lab File: BE099590.D
Acq: 9 May 2019 15:58

Tgt Ion:248 Resp: 2137
Ion Ratio Lower Upper
248 100
250 95.2 75.7 113.5
141 42.4 42.9 64.3#





#21

Hexachlorobenzene

Concen: 0.331 ng

RT: 16.55 min Scan# 1069

Delta R.T. 0.01 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

Instrument :

BNA_E

ClientSampled :

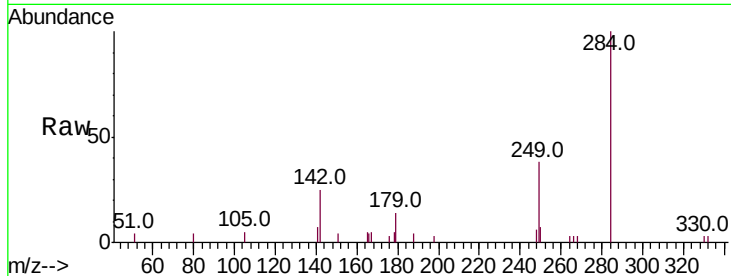
Tot Ion:284 Resp: 2096

Ion Ratio Lower Upper

284 100

142 26.5 20.6 30.8

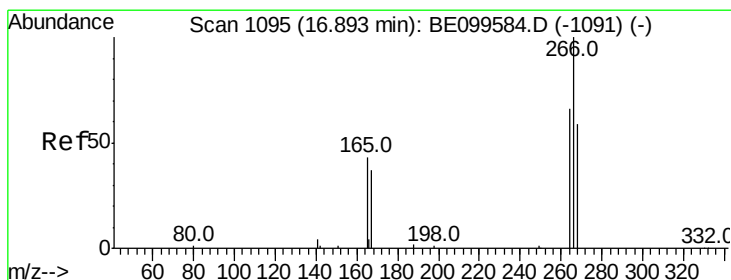
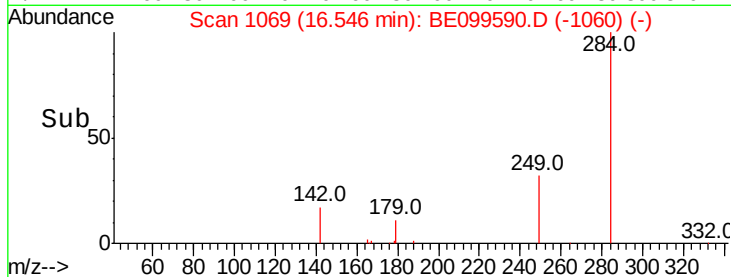
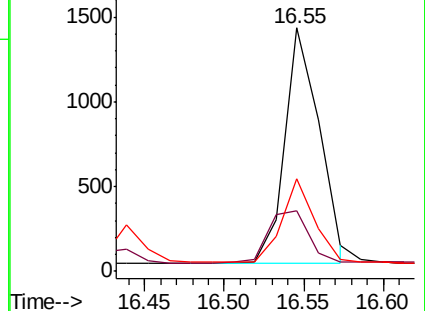
249 33.6 25.8 38.6



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: 0.415 ng

RT: 16.91 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

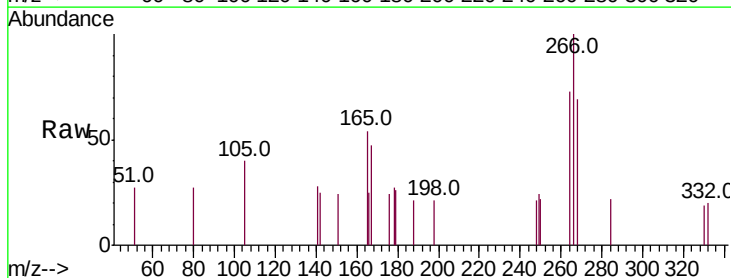
Tgt Ion:266 Resp: 589

Ion Ratio Lower Upper

266 100

264 73.0 57.3 85.9

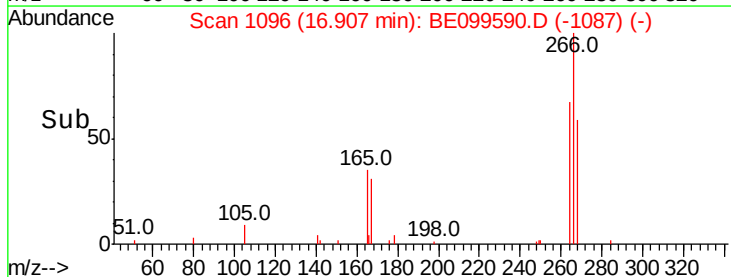
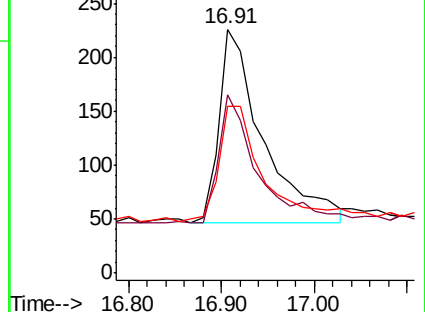
268 68.6 53.5 80.3

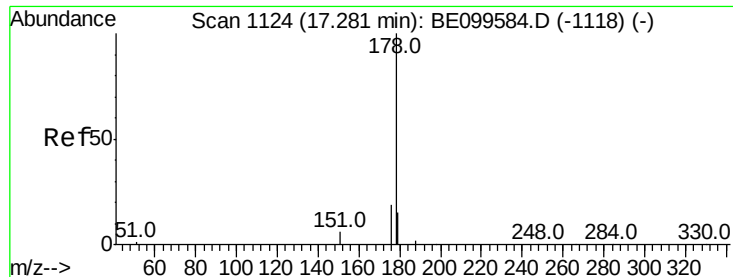


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.349 ng

RT: 17.30 min Scan# 1125

Delta R.T. 0.01 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

Instrument :

BNA_E

ClientSampleId :

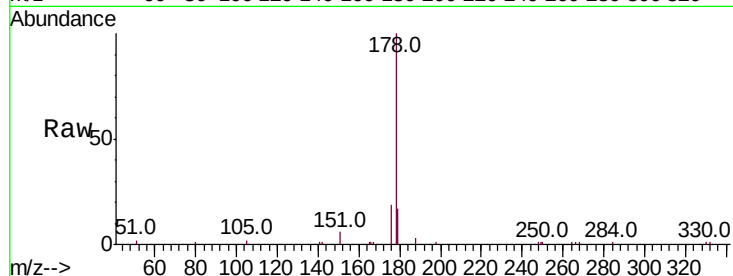
Tot Ion:178 Resp: 9565

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.6

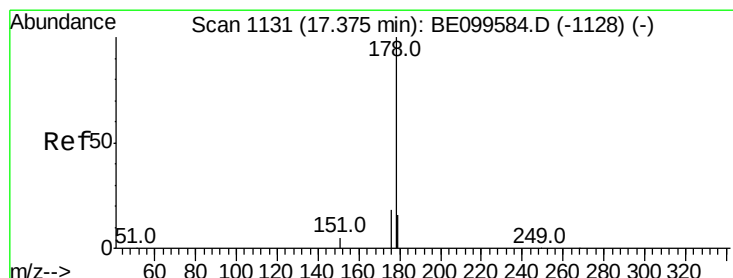
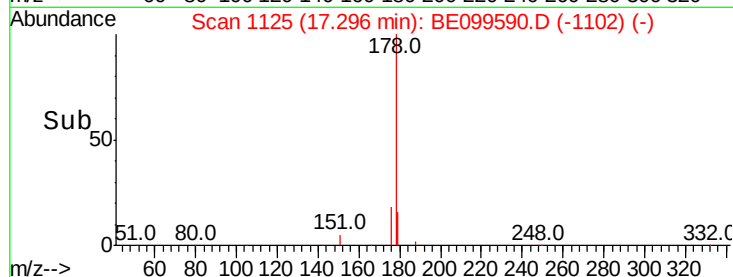
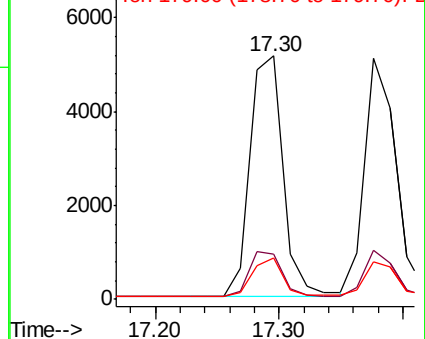
179 15.2 12.2 18.2



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: 0.344 ng

RT: 17.38 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

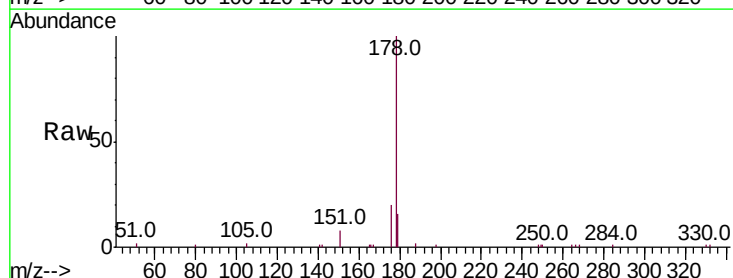
Tgt Ion:178 Resp: 8847

Ion Ratio Lower Upper

178 100

176 18.5 14.8 22.2

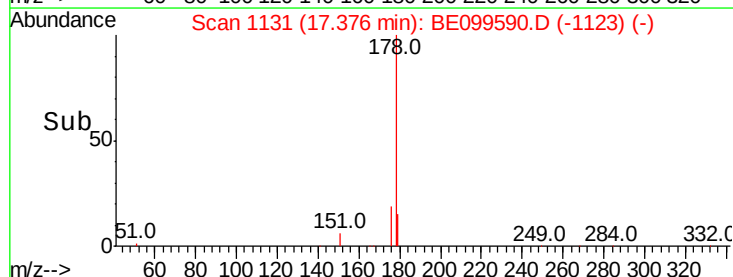
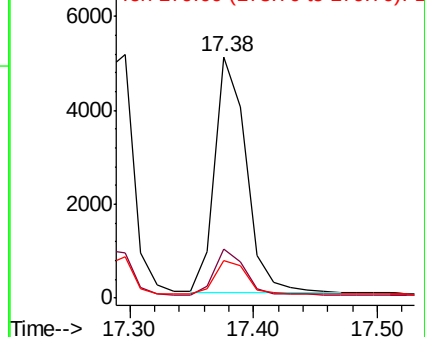
179 14.5 12.3 18.5

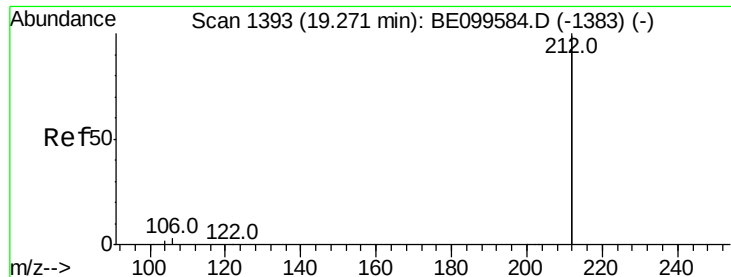


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.343 ng

RT: 19.28 min Scan# 1395

Delta R.T. 0.01 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

Instrument :

BNA_E

ClientSampleId :

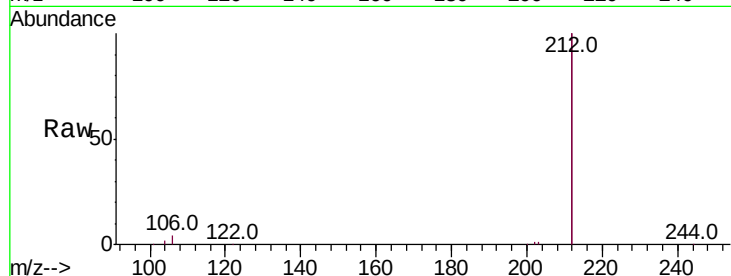
Tot Ion:212 Resp: 49908

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

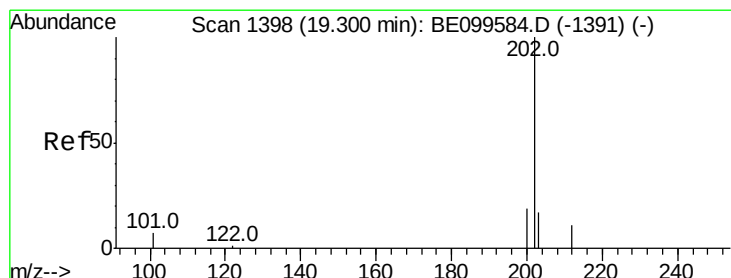
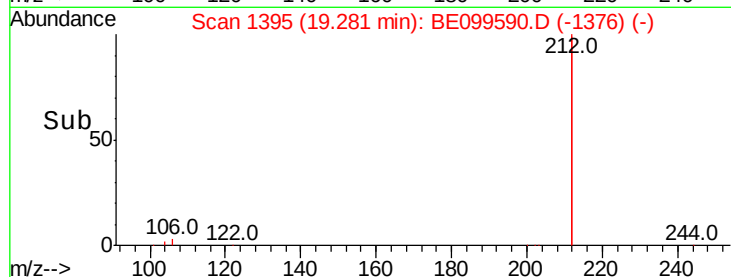
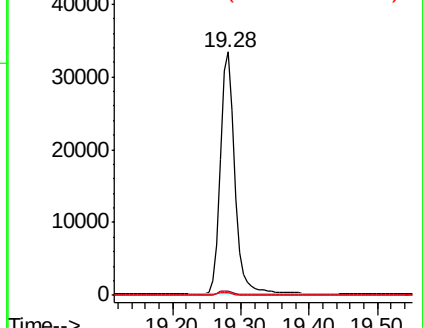
104 1.1 0.9 1.3



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: 0.354 ng

RT: 19.31 min Scan# 1400

Delta R.T. 0.01 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

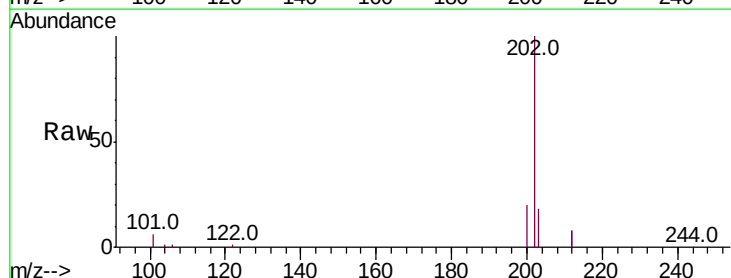
Tgt Ion:202 Resp: 14610

Ion Ratio Lower Upper

202 100

101 6.8 5.4 8.2

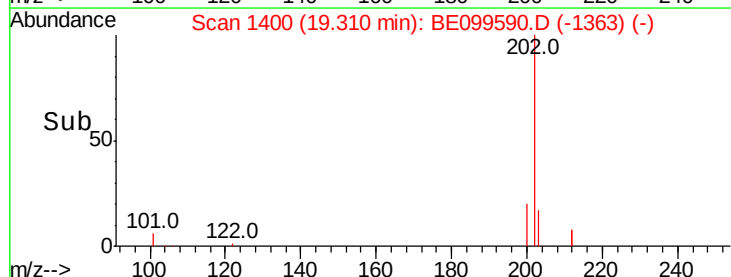
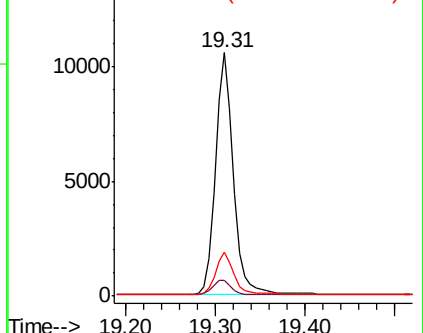
203 17.9 13.7 20.5

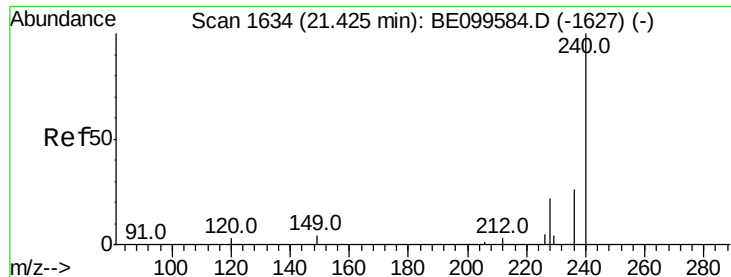


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

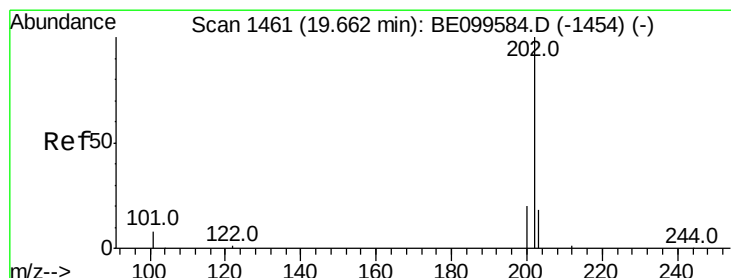
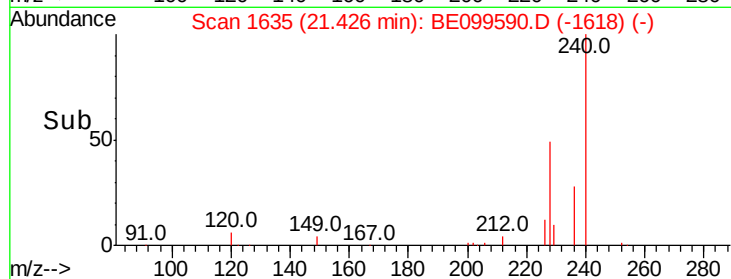
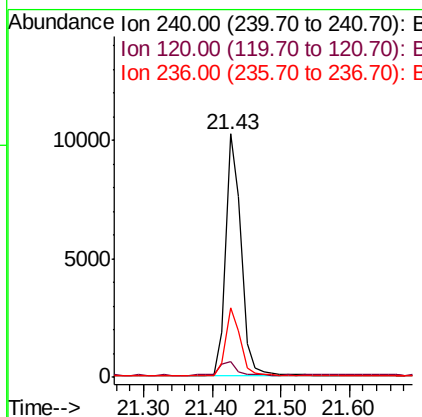
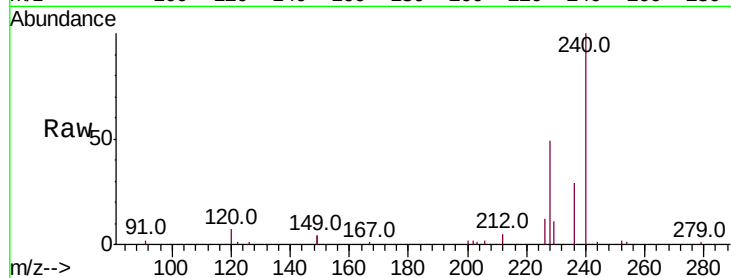




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: BE099590.D
 Acq: 9 May 2019 15:58

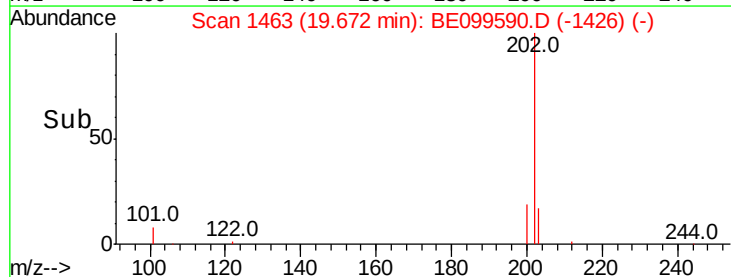
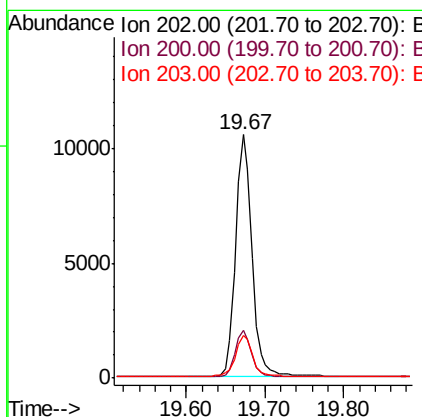
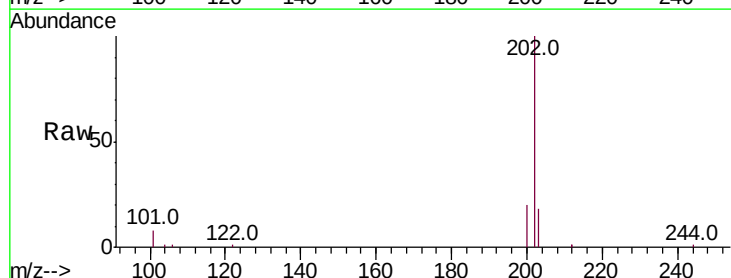
Instrument :
 BNA_E
 ClientSampleId :

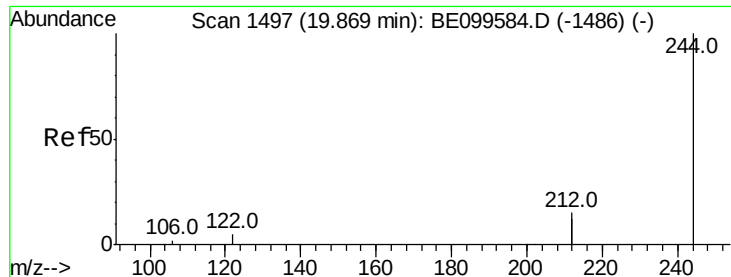
Tot Ion:240 Resp: 16015
 Ion Ratio Lower Upper
 240 100
 120 6.5 3.2 4.8#
 236 28.6 21.0 31.6



#28
 Pyrene
 Concen: 0.367 ng
 RT: 19.67 min Scan# 1463
 Delta R.T. 0.01 min
 Lab File: BE099590.D
 Acq: 9 May 2019 15:58

Tgt Ion:202 Resp: 15499
 Ion Ratio Lower Upper
 202 100
 200 19.3 15.9 23.9
 203 17.8 14.1 21.1





#29

Terphenyl-d14

Concen: 0.378 ng

RT: 19.87 min Scan# 1498

Delta R.T. 0.00 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

Instrument :

BNA_E

ClientSampleId :

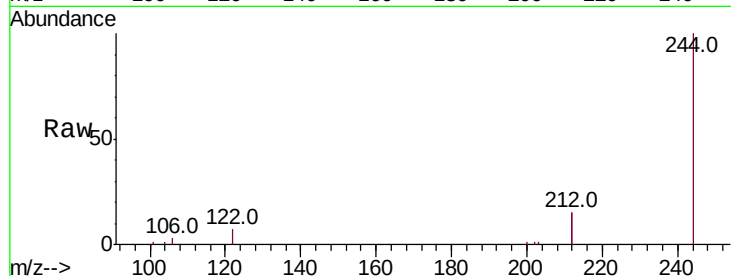
Tot Ion:244 Resp: 10759

Ion Ratio Lower Upper

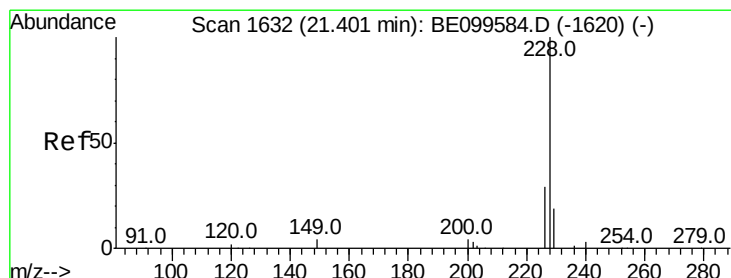
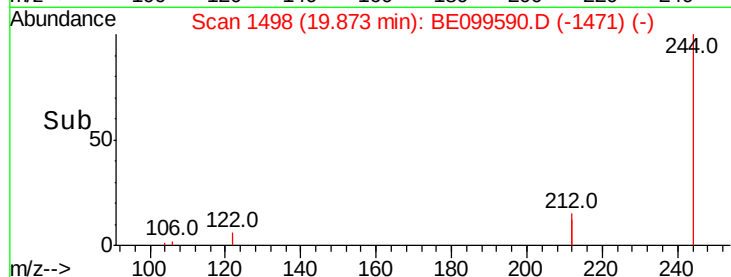
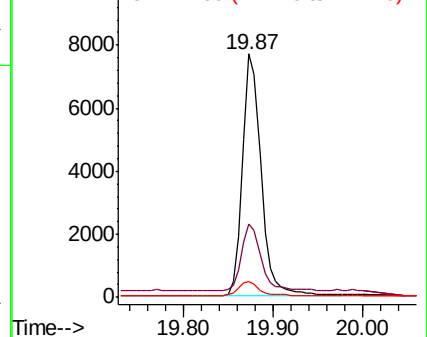
244 100

212 30.1 24.4 36.6

122 6.7 4.6 6.8



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: 0.401 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.01 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

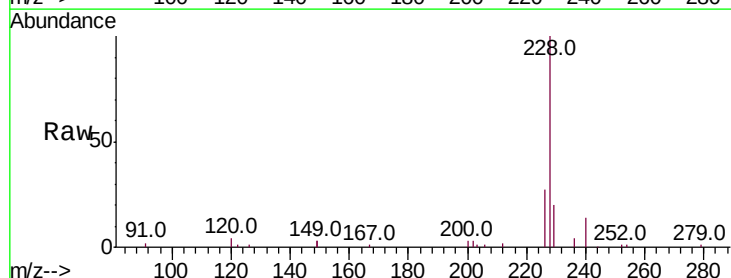
Tgt Ion:228 Resp: 19586

Ion Ratio Lower Upper

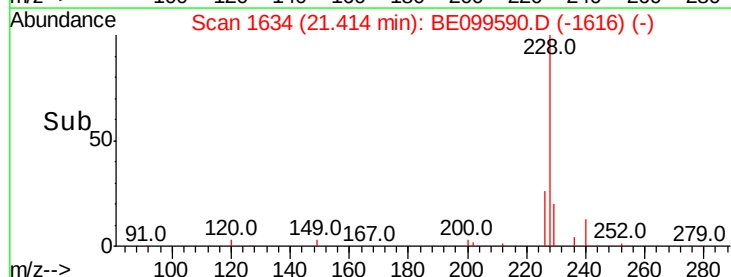
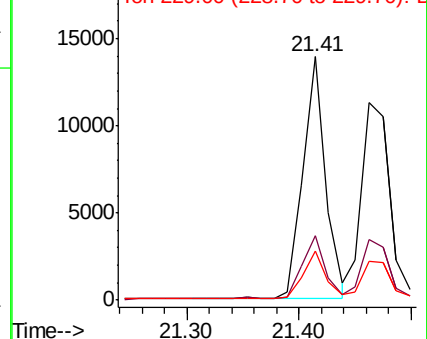
228 100

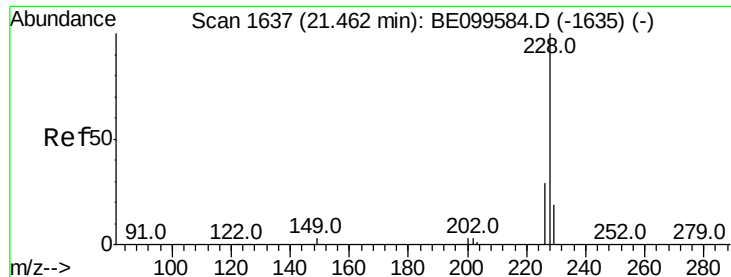
226 26.7 23.3 34.9

229 20.1 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





#31

Chrysene

Concen: 0.395 ng

RT: 21.46 min Scan# 1638

Delta R.T. 0.00 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

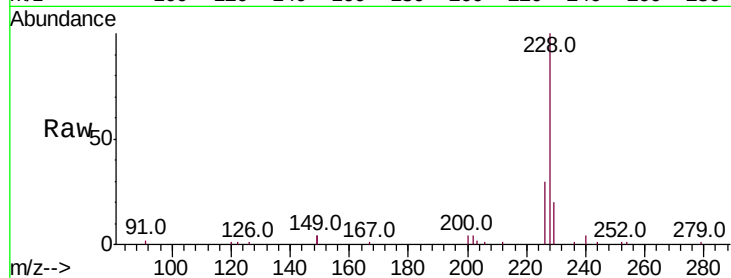
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 19329

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.2	34.8
229	19.9	15.6	23.4

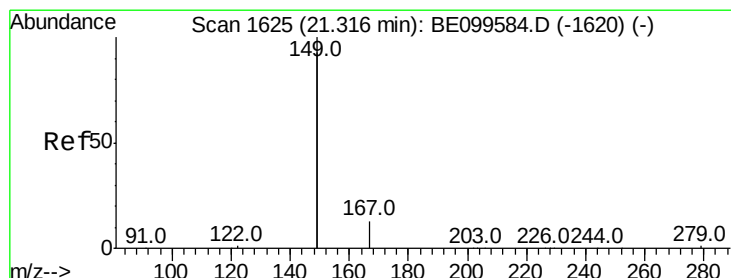
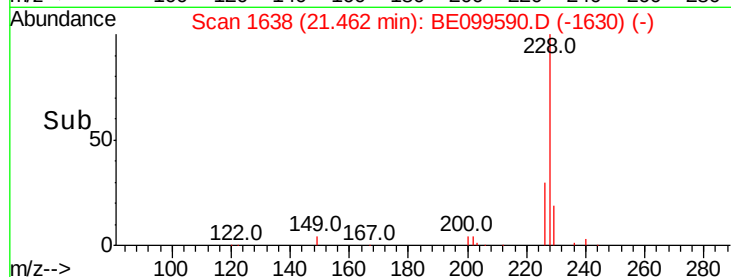
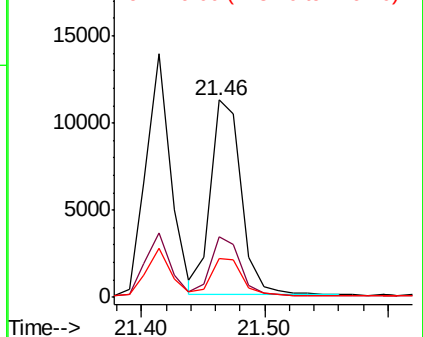


Abundance

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: 0.425 ng

RT: 21.33 min Scan# 1627

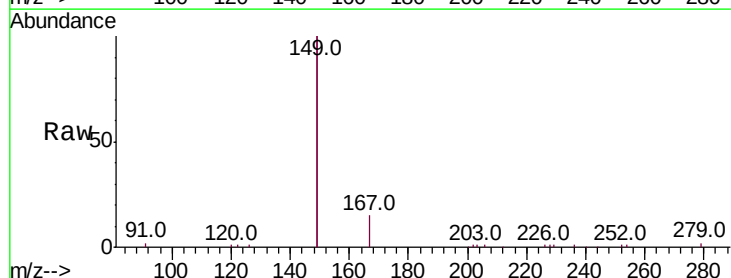
Delta R.T. 0.01 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

Tgt Ion:149 Resp: 29885

Ion	Ratio	Lower	Upper
149	100		
167	7.3	6.0	9.0
279	1.4	1.1	1.7

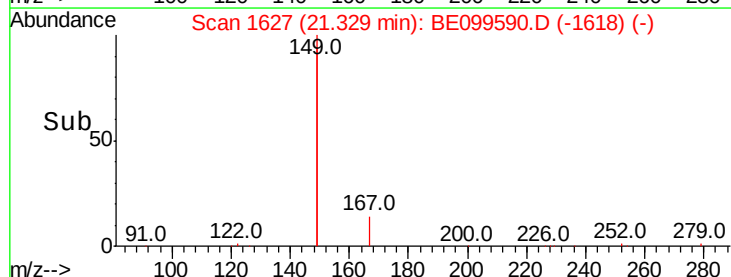
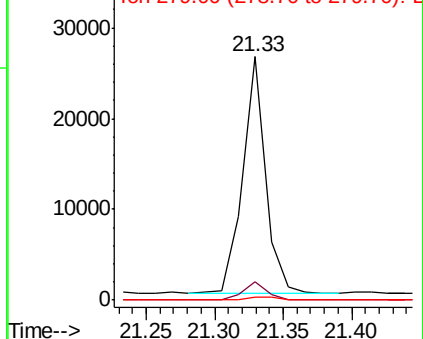


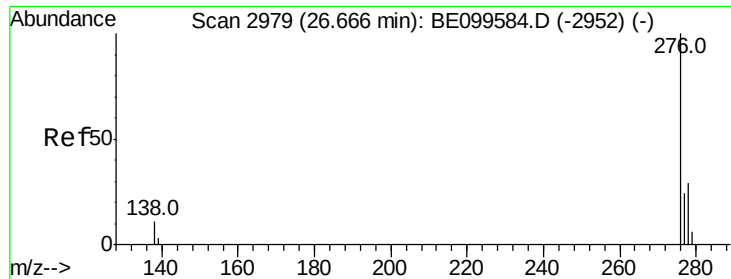
Abundance

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: 0.408 ng

RT: 26.69 min Scan# 2987

Delta R.T. 0.03 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

Instrument :

BNA_E

ClientSampleId :

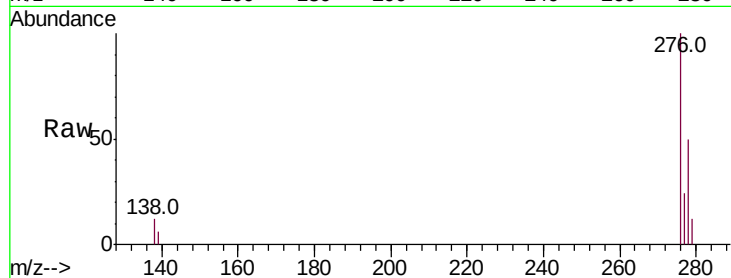
Tot Ion:276 Resp: 24918

Ion Ratio Lower Upper

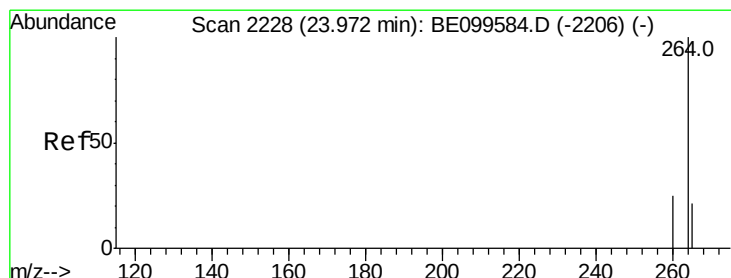
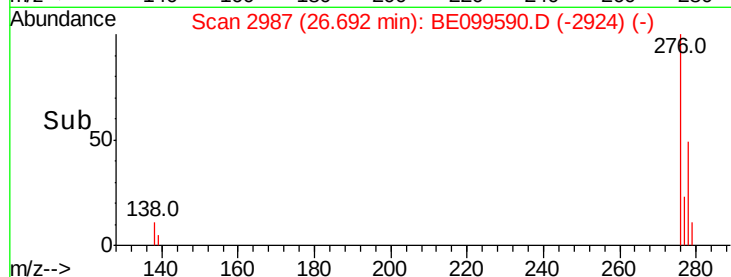
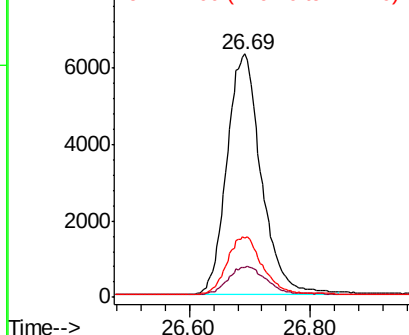
276 100

138 5.9 10.2 15.2#

277 24.5 19.8 29.8



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: 23.98 min Scan# 2232

Delta R.T. 0.01 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

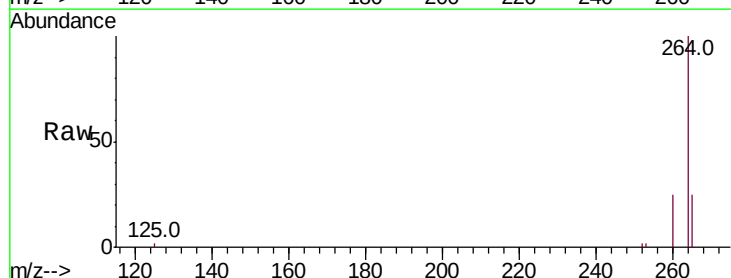
Tgt Ion:264 Resp: 19413

Ion Ratio Lower Upper

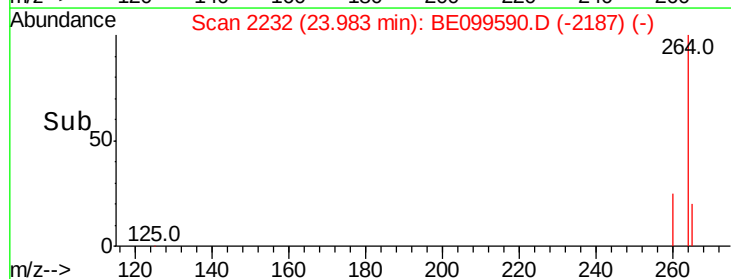
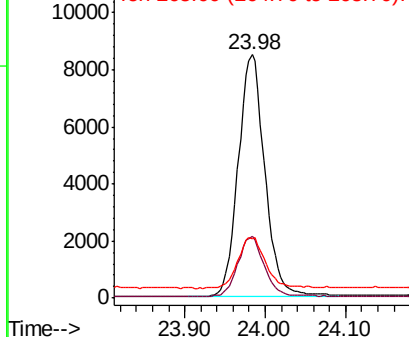
264 100

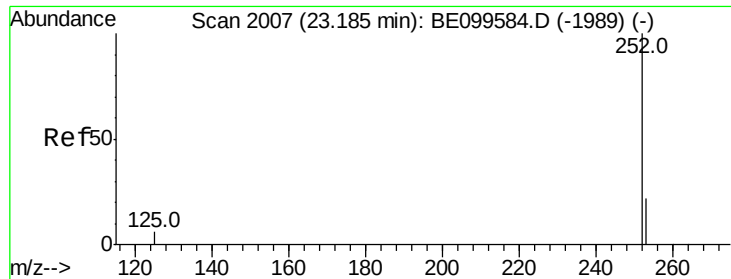
260 25.4 20.3 30.5

265 24.6 20.9 31.3



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

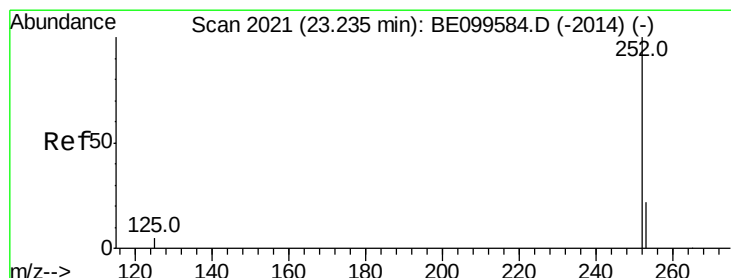
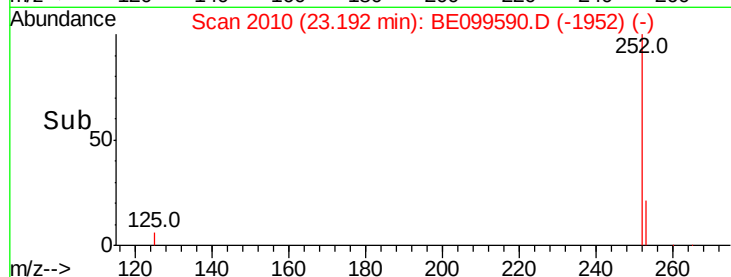
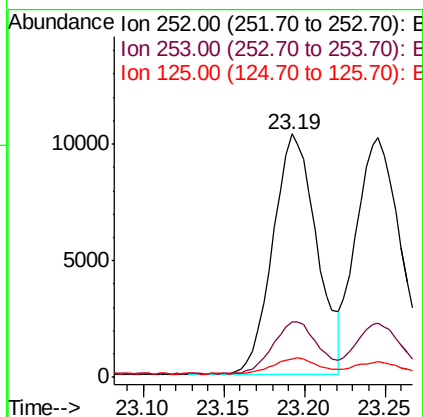
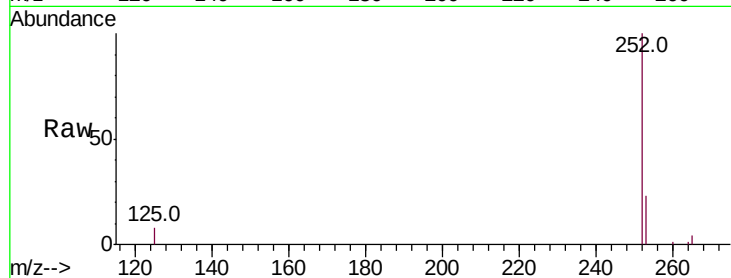




#35
Benzo(b)fluoranthene
Concen: 0.367 ng
RT: 23.19 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BE099590.D
Acq: 9 May 2019 15:58

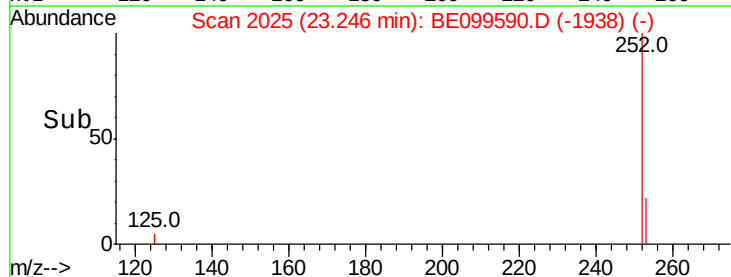
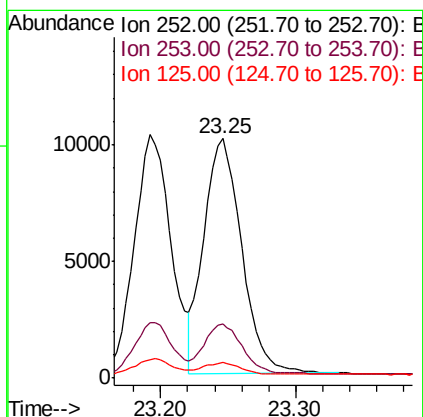
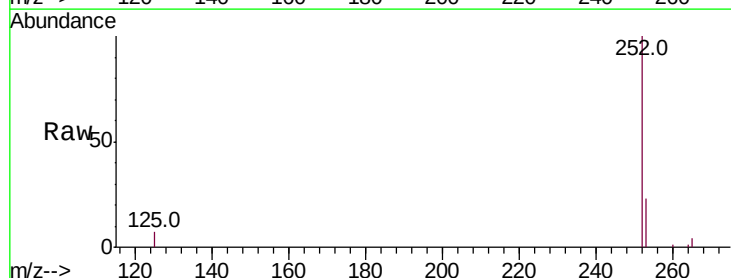
Instrument :
BNA_E
ClientSampleId :

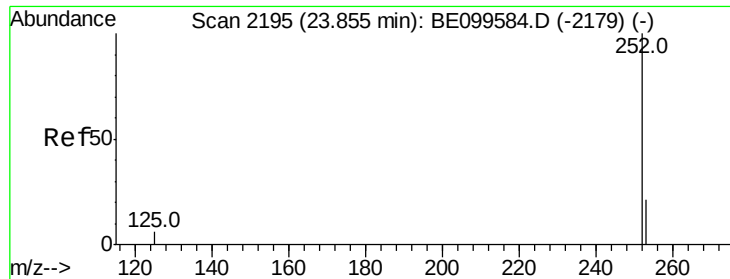
Tot Ion:252 Resp: 19657
Ion Ratio Lower Upper
252 100
253 22.8 18.6 28.0
125 7.7 6.0 9.0



#36
Benzo(k)fluoranthene
Concen: 0.372 ng
RT: 23.25 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BE099590.D
Acq: 9 May 2019 15:58

Tgt Ion:252 Resp: 19823
Ion Ratio Lower Upper
252 100
253 22.8 18.7 28.1
125 6.6 5.1 7.7





#37

Benzo(a)pyrene

Concen: 0.377 ng

RT: 23.87 min Scan# 2199

Delta R.T. 0.01 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

Instrument :

BNA_E

ClientSampled :

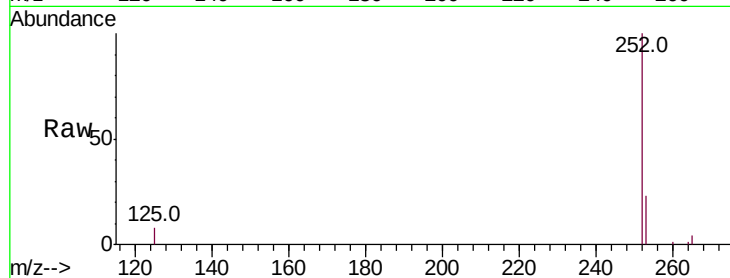
Tot Ion:252 Resp: 19569

Ion Ratio Lower Upper

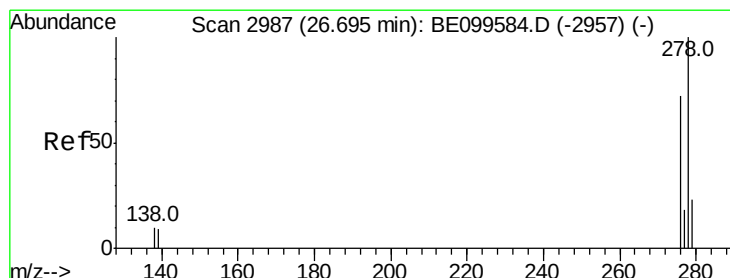
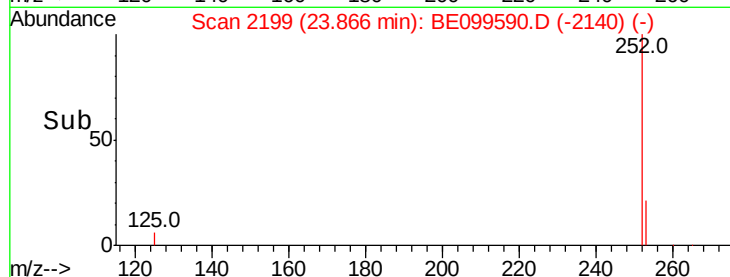
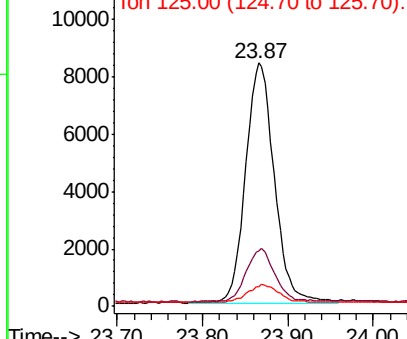
252 100

253 22.9 18.6 27.8

125 7.9 6.4 9.6



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: 0.385 ng

RT: 26.71 min Scan# 2992

Delta R.T. 0.02 min

Lab File: BE099590.D

Acq: 9 May 2019 15:58

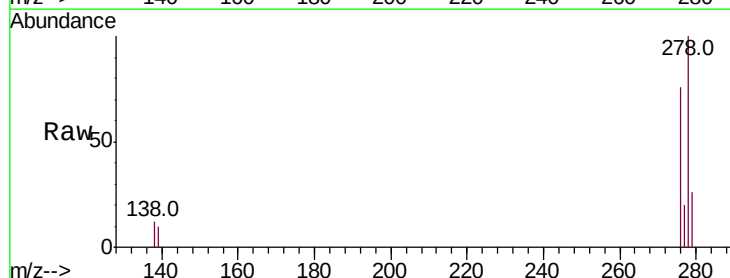
Tgt Ion:278 Resp: 20895

Ion Ratio Lower Upper

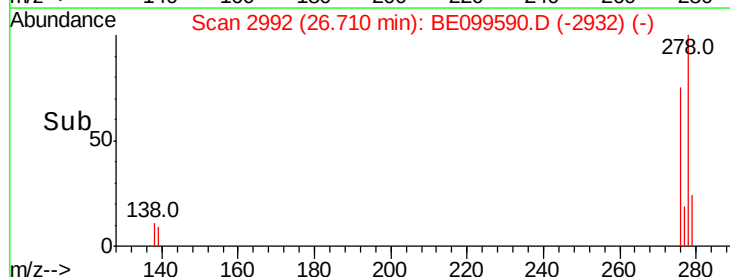
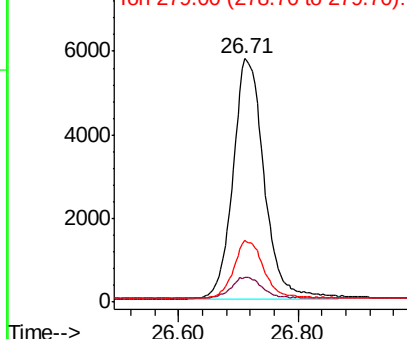
278 100

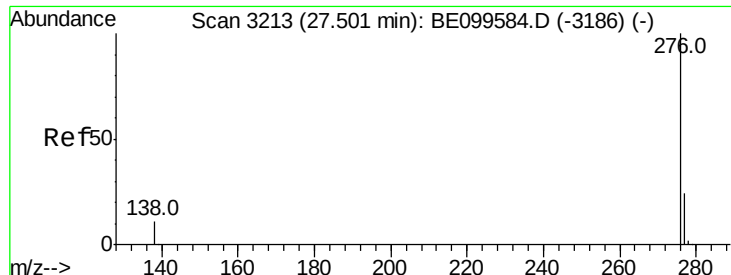
139 10.2 8.3 12.5

279 25.5 19.4 29.2



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: 0.385 ng

RT: 27.53 min Scan# 3221

Delta R.T. 0.03 min

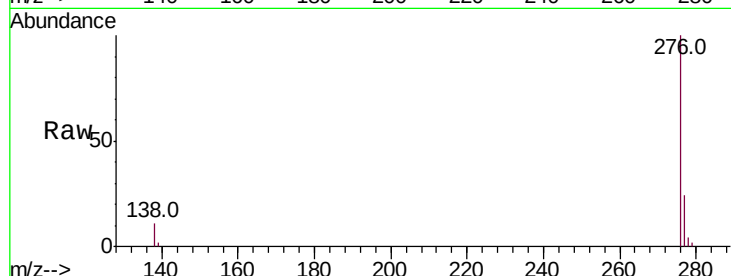
Lab File: BE099590.D

Acq: 9 May 2019 15:58

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 21192

Ion Ratio Lower Upper

276 100

277 24.1 19.8 29.6

138 11.4 9.4 14.2

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

