

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050919\
 Data File : BE099581.D
 Acq On : 9 May 2019 8:43
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 09 11:56:28 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 11:50:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1686	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	6135	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	4111	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	11615	0.40	ng	0.00
27) Chrysene-d12	21.43	240	16107	0.40	ng	0.00
34) Perylene-d12	23.97	264	19156	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	1993	0.43	ng	0.00
5) Phenol-d6	6.98	99	2675	0.43	ng	0.00
8) Nitrobenzene-d5	8.98	82	2327	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	4528	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	1017	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	6592	0.42	ng	0.00
25) Fluoranthene-d10	19.27	212	67193	0.43	ng	0.00
29) Terphenyl-d14	19.87	244	13267	0.44	ng	0.00

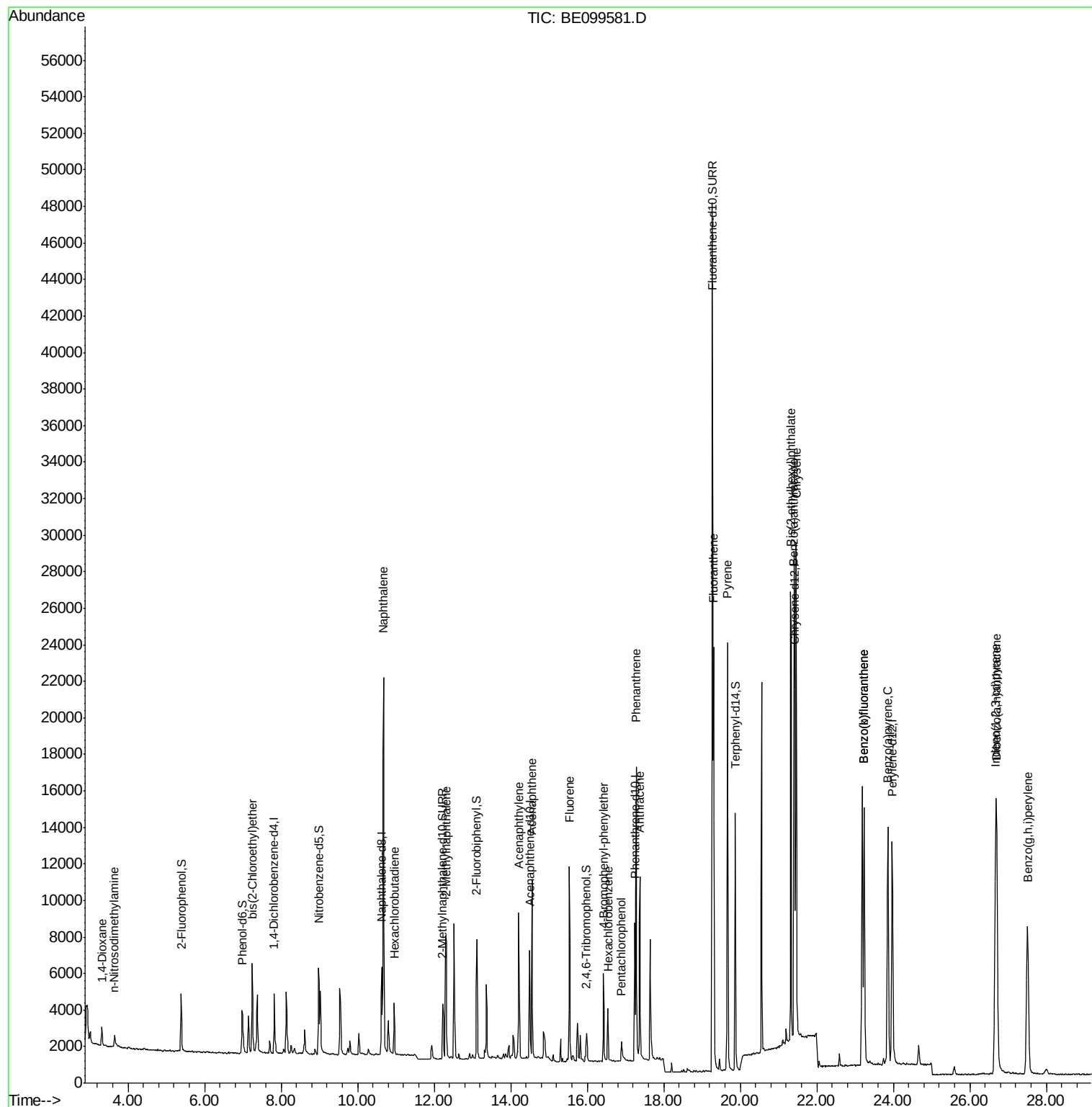
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	873	0.367	ng	90
3) n-Nitrosodimethylamine	3.64	42	609	0.386	ng	# 89
6) bis(2-Chloroethyl)ether	7.24	93	2016	0.393	ng	96
9) Naphthalene	10.68	128	35976	0.554	ng	100
10) Hexachlorobutadiene	10.95	225	1942	0.411	ng	99
12) 2-Methylnaphthalene	12.31	142	5851	0.531	ng	91
16) Acenaphthylene	14.21	152	8926	0.450	ng	98
17) Acenaphthene	14.56	154	4638	0.418	ng	98
18) Fluorene	15.53	166	6796	0.429	ng	98
20) 4-Bromophenyl-phenylether	16.43	248	2764	0.419	ng	97
21) Hexachlorobenzene	16.55	284	2775	0.423	ng	99
22) Pentachlorophenol	16.89	266	983	0.364	ng	96
23) Phenanthrene	17.28	178	17172	0.600	ng	99
24) Anthracene	17.38	178	12248	0.445	ng	99
26) Fluoranthene	19.30	202	20616	0.468	ng	100
28) Pyrene	19.67	202	22766	0.528	ng	99
30) Benzo(a)anthracene	21.40	228	23938	0.480	ng	99
31) Chrysene	21.46	228	23580	0.479	ng	98
32) Bis(2-ethylhexyl)phthalate	21.32	149	33742	0.427	ng	100
33) Indeno(1,2,3-cd)pyrene	26.67	276	27452	0.469	ng	99
35) Benzo(b)fluoranthene	23.23	252	21973	0.416	ng	99
36) Benzo(k)fluoranthene	23.23	252	21973	0.423	ng	99
37) Benzo(a)pyrene	23.85	252	22385	0.439	ng	# 98
38) Dibenzo(a,h)anthracene	26.70	278	22591	0.429	ng	99
39) Benzo(g,h,i)perylene	27.51	276	22795	0.432	ng	99

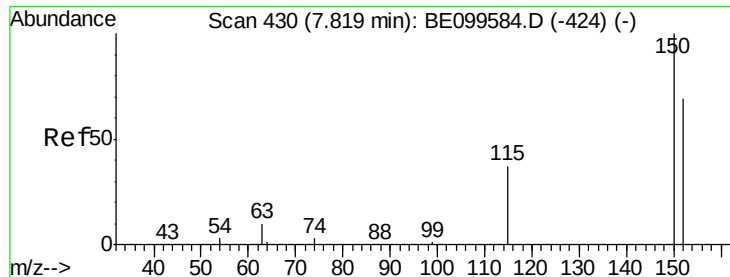
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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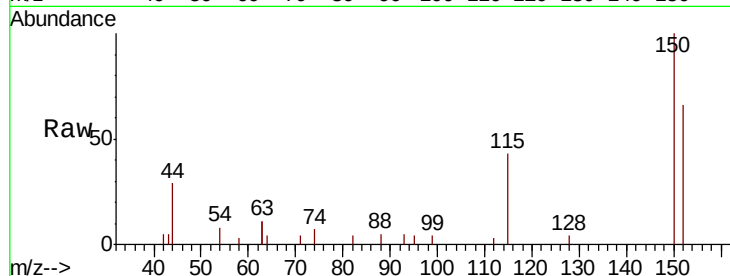


#1

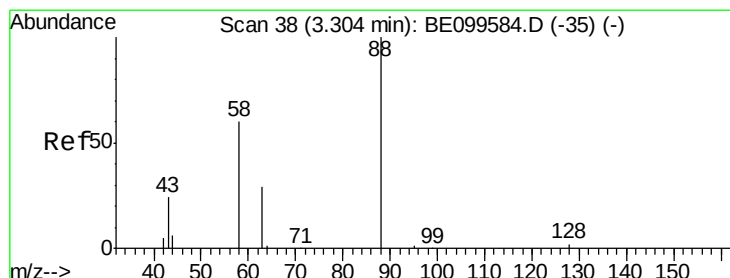
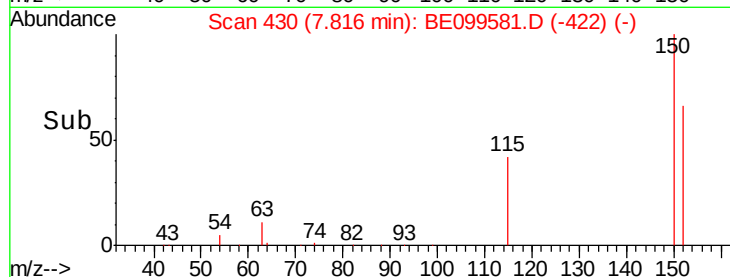
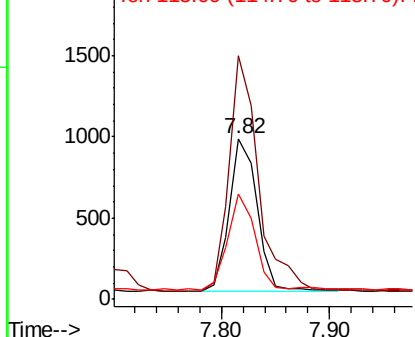
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099581.D
Acq: 9 May 2019 8:43

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 1686
Ion Ratio Lower Upper
152 100
150 151.6 114.2 171.4
115 65.3 45.4 68.0



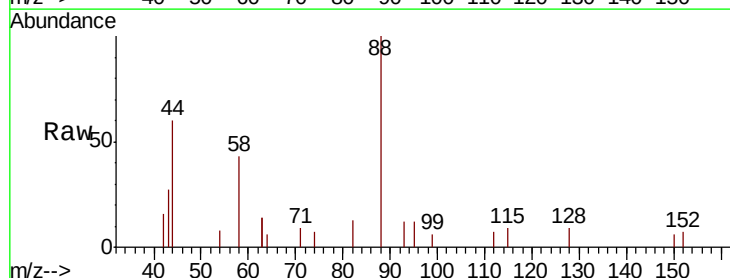
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



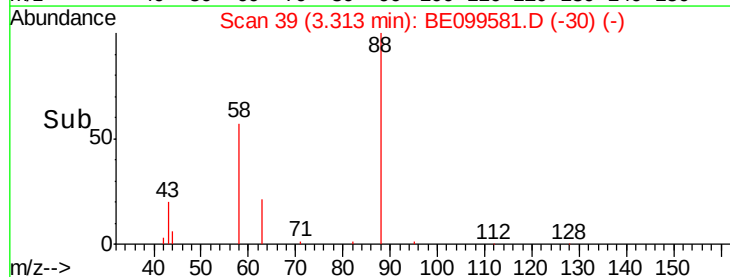
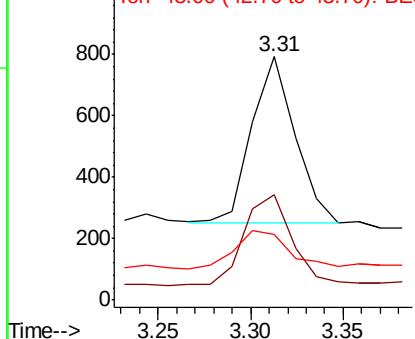
#2

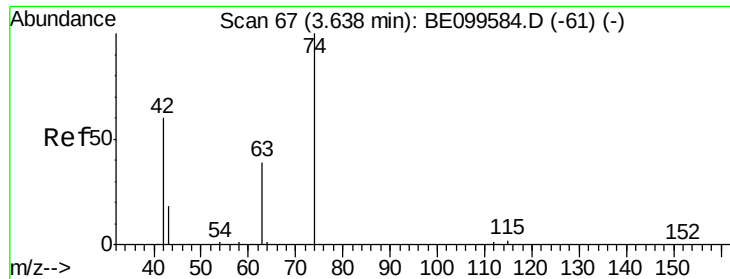
1,4-Dioxane
Concen: 0.367 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.01 min
Lab File: BE099581.D
Acq: 9 May 2019 8:43

Tgt Ion: 88 Resp: 873
Ion Ratio Lower Upper
88 100
58 61.1 41.3 61.9
43 28.3 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: 0.386 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

Instrument :

BNA_E

ClientSampleId :

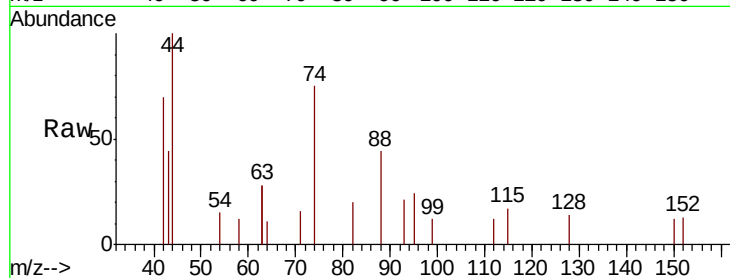
Tot Ion: 42 Resp: 609

Ion Ratio Lower Upper

42 100

74 155.5 136.9 205.3

44 5.1 7.1 10.7#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

600

500

400

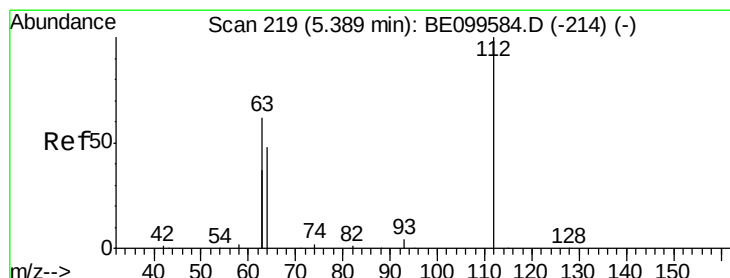
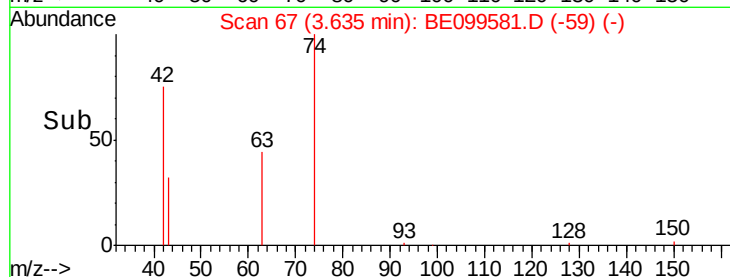
300

200

100

0

Time--> 3.55 3.60 3.65 3.70



#4

2-Fluorophenol

Concen: 0.427 ng

RT: 5.39 min Scan# 219

Delta R.T. -0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

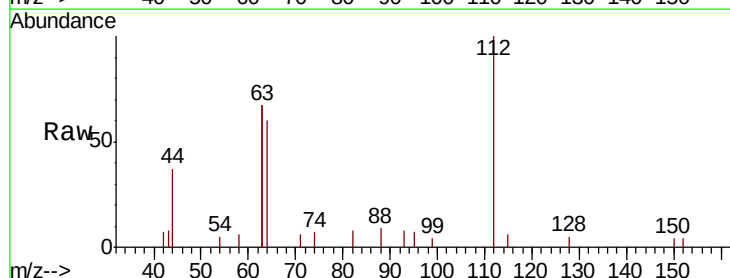
Tgt Ion: 112 Resp: 1993

Ion Ratio Lower Upper

112 100

64 56.7 46.2 69.4

63 122.0 100.2 150.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

2000

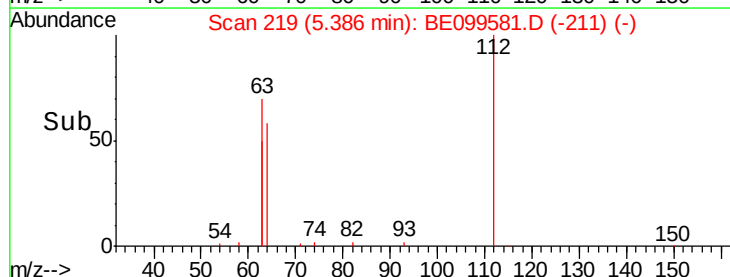
1500

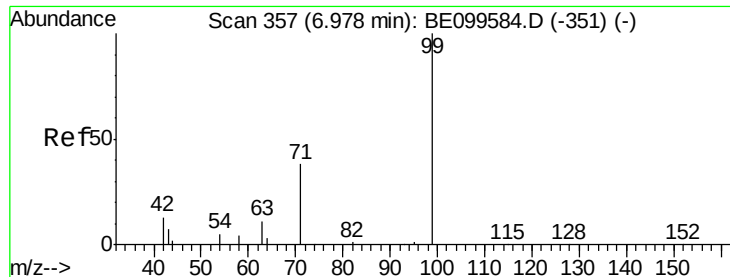
1000

500

0

Time--> 5.30 5.40 5.50 5.60





#5

Phenol-d6

Concen: 0.435 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

Instrument :

BNA_E

ClientSampleId :

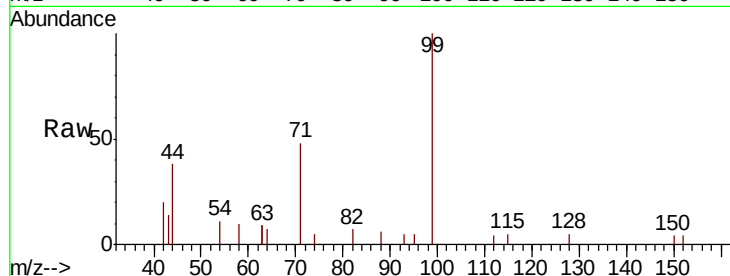
Tot Ion: 99 Resp: 2675

Ion Ratio Lower Upper

99 100

42 15.2 13.8 20.8

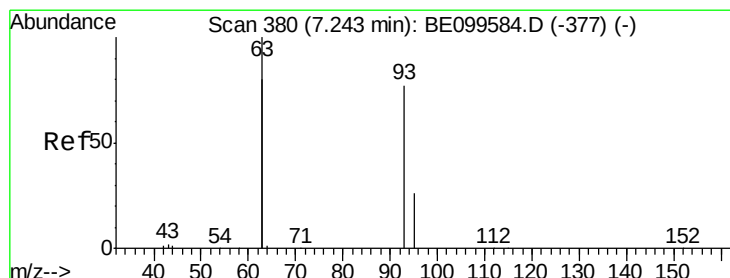
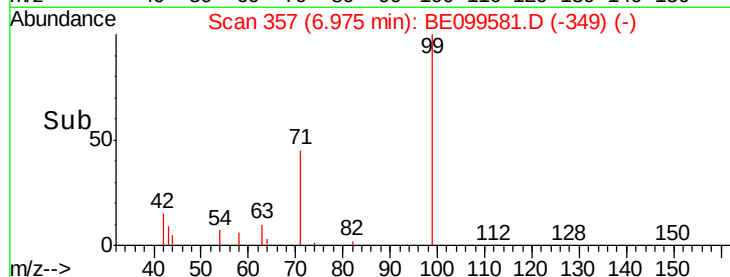
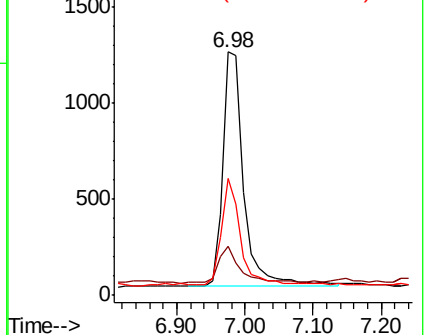
71 42.1 32.2 48.4



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: 0.393 ng

RT: 7.24 min Scan# 380

Delta R.T. -0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

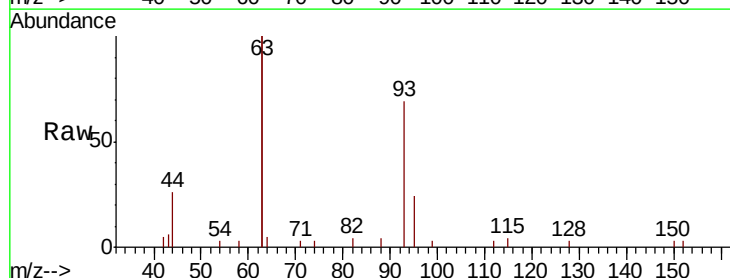
Tgt Ion: 93 Resp: 2016

Ion Ratio Lower Upper

93 100

63 274.1 213.4 320.0

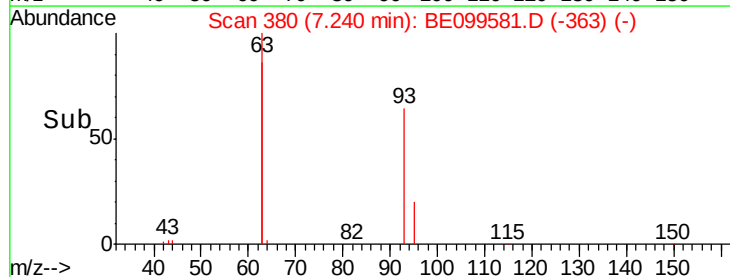
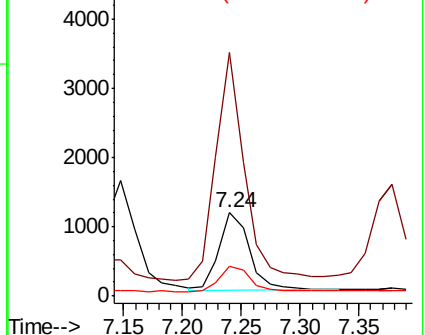
95 33.6 24.9 37.3

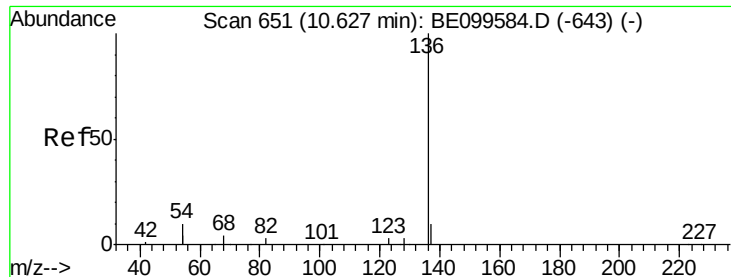


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.63 min Scan# 651

Delta R.T. 0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 6135

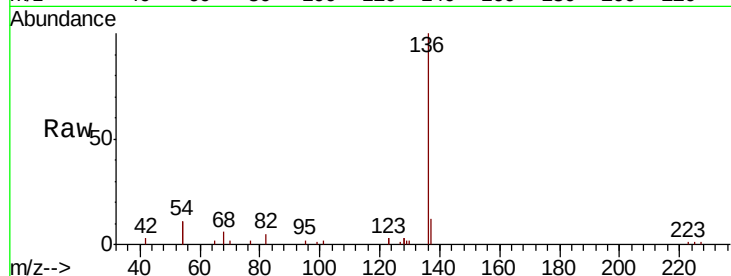
Ion Ratio Lower Upper

136 100

137 12.3 9.1 13.7

54 22.1 16.5 24.7

68 5.9 4.5 6.7

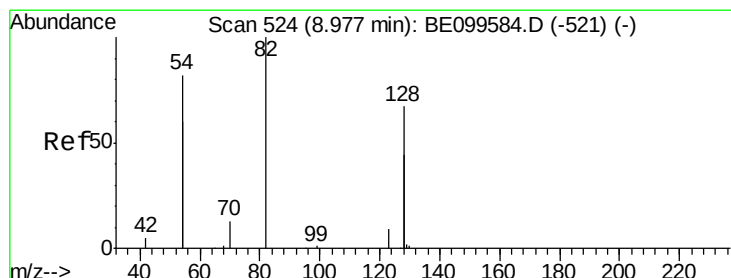
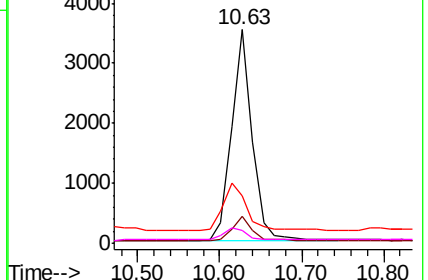
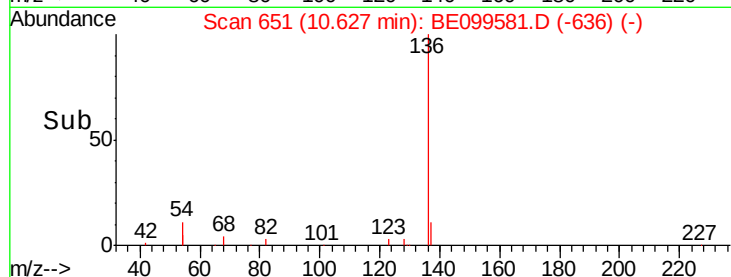


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.394 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

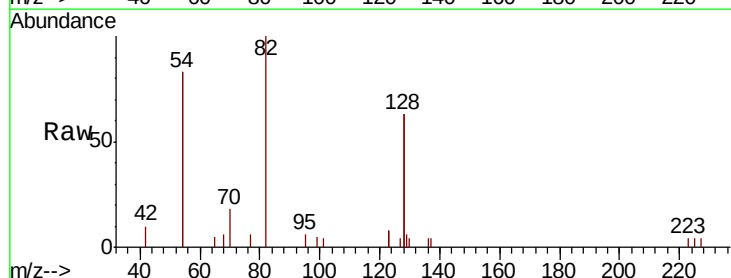
Tgt Ion: 82 Resp: 2327

Ion Ratio Lower Upper

82 100

128 126.9 101.5 152.3

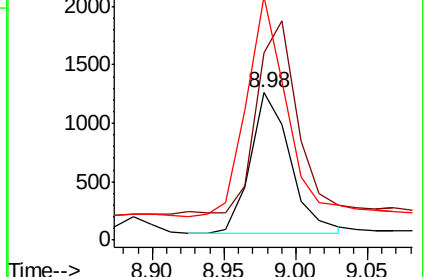
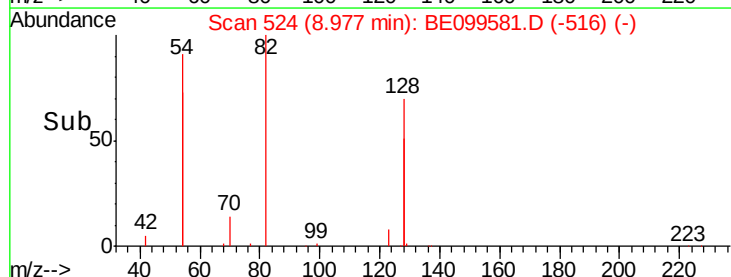
54 165.5 123.8 185.6

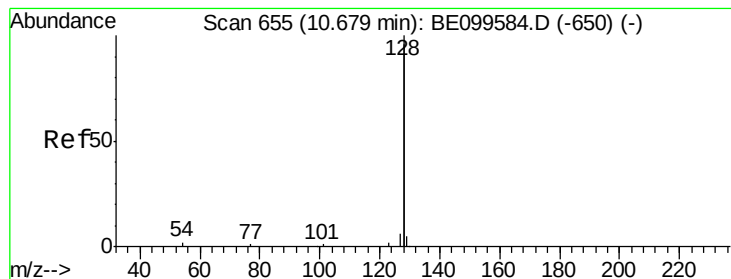


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.554 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

Instrument :

BNA_E

ClientSampleId :

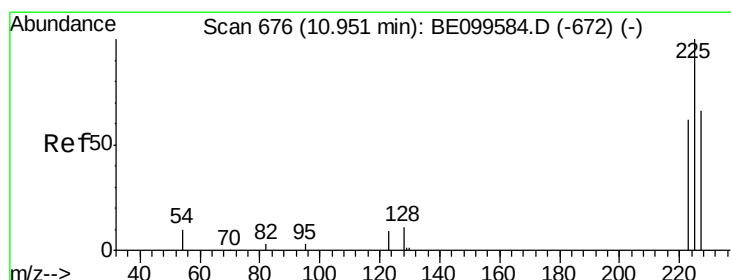
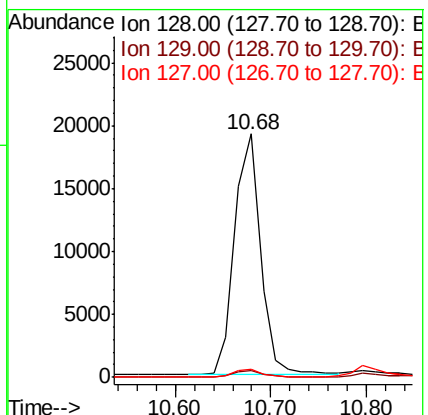
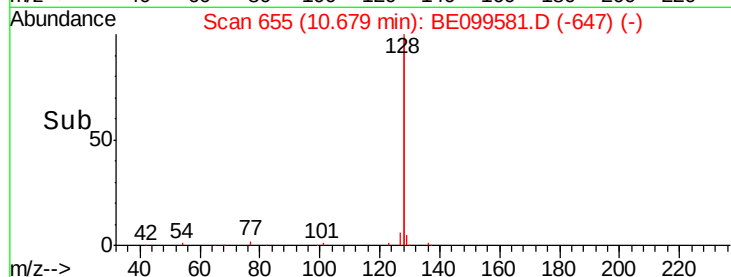
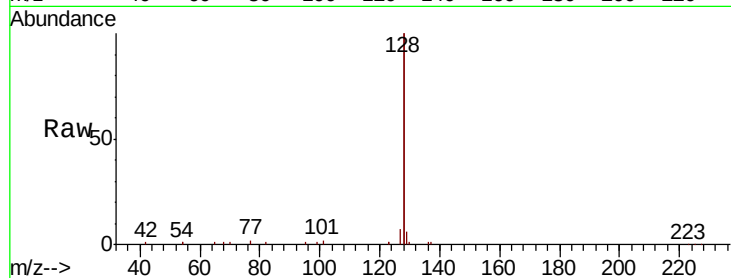
Tot Ion:128 Resp: 35976

Ion Ratio Lower Upper

128 100

129 2.8 2.4 3.6

127 3.3 2.8 4.2



#10

Hexachlorobutadiene

Concen: 0.411 ng

RT: 10.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

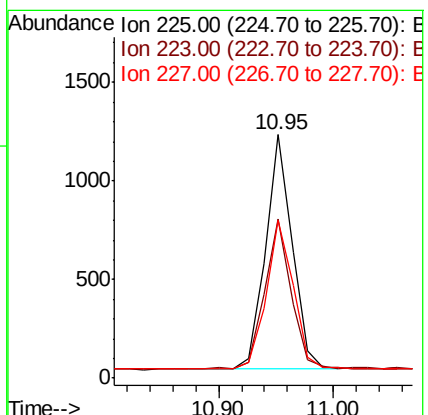
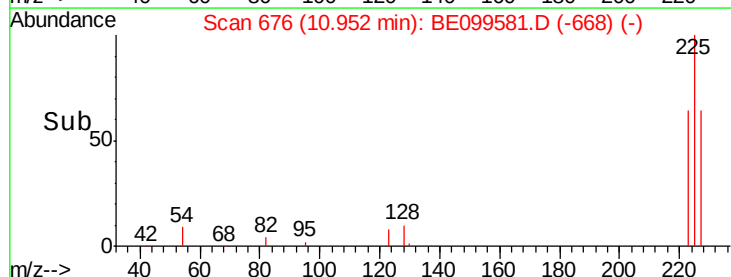
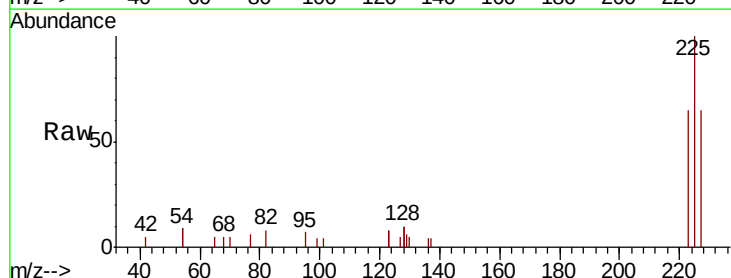
Tgt Ion:225 Resp: 1942

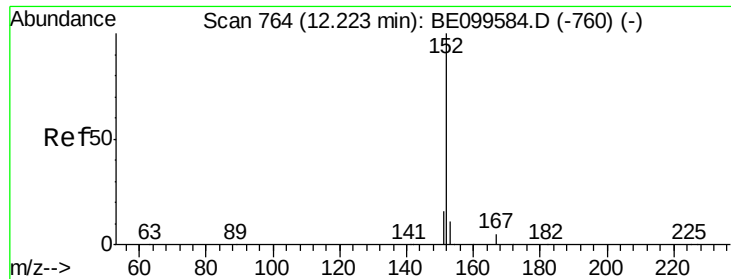
Ion Ratio Lower Upper

225 100

223 63.1 49.6 74.4

227 63.7 50.1 75.1

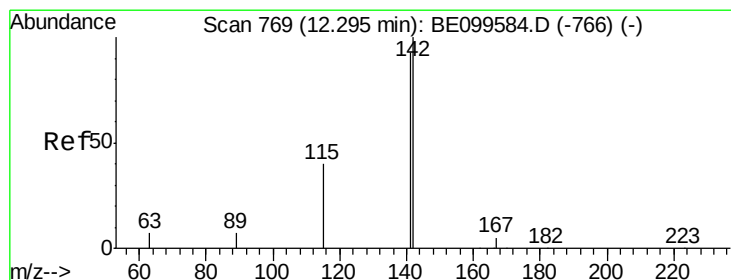
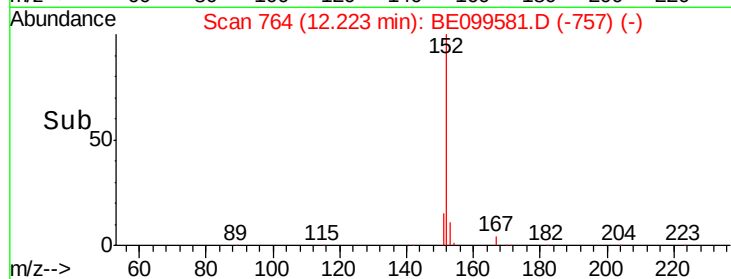
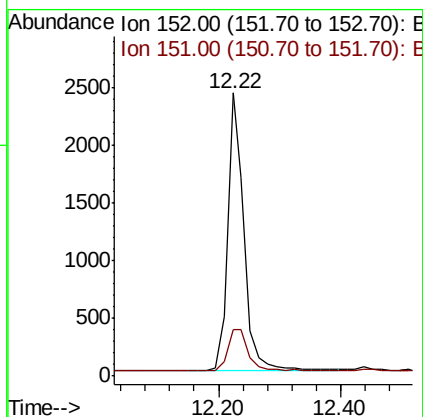
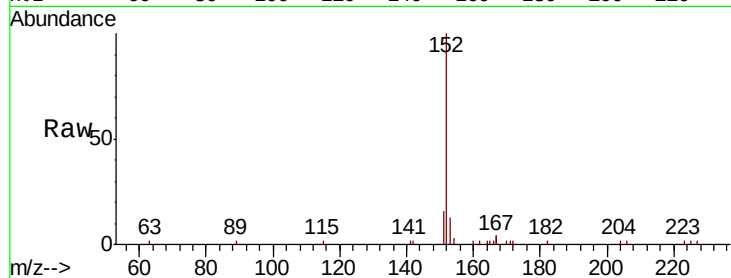




#11
 2-Methylnaphthalene-d10
 Concen: 0.424 ng
 RT: 12.22 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BE099581.D
 Acq: 9 May 2019 8:43

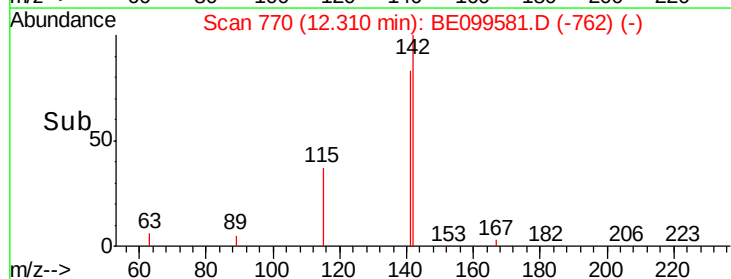
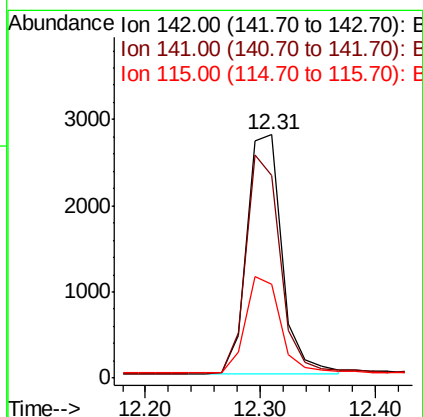
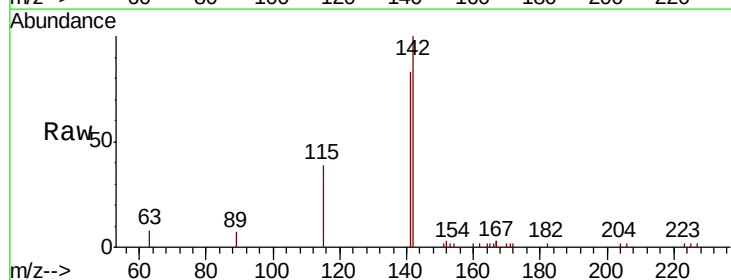
Instrument :
 BNA_E
 ClientSampled :

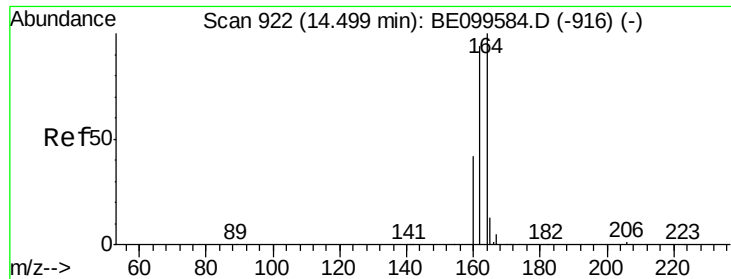
Tot Ion:152 Resp: 4528
 Ion Ratio Lower Upper
 152 100
 151 18.3 16.2 24.2



#12
 2-Methylnaphthalene
 Concen: 0.531 ng
 RT: 12.31 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: BE099581.D
 Acq: 9 May 2019 8:43

Tgt Ion:142 Resp: 5851
 Ion Ratio Lower Upper
 142 100
 141 83.3 75.0 112.4
 115 38.6 33.7 50.5

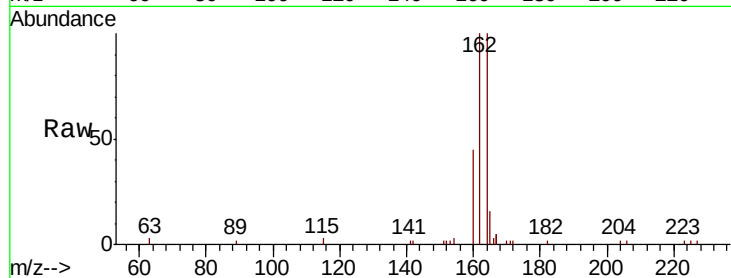




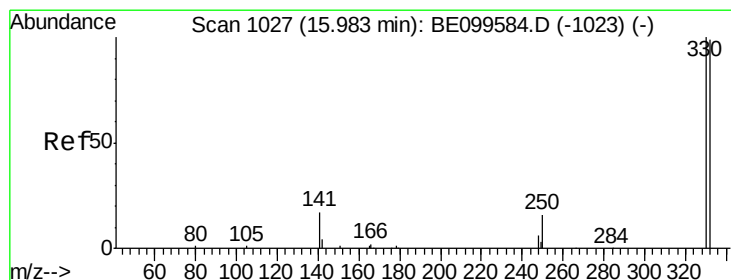
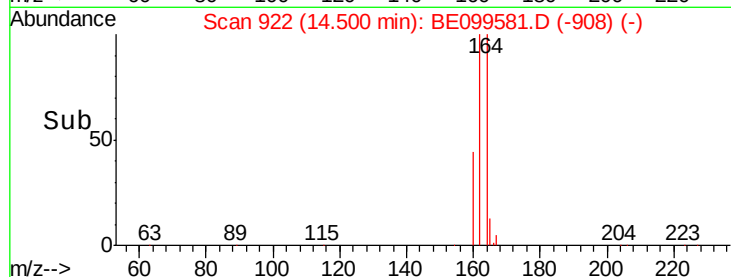
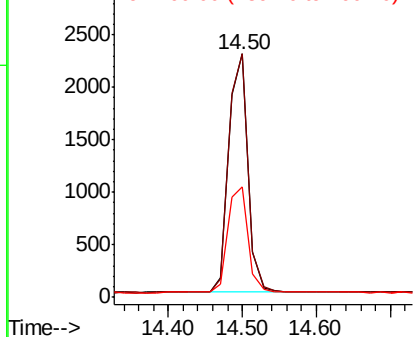
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: BE099581.D
Acq: 9 May 2019 8:43

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 4111
Ion Ratio Lower Upper
164 100
162 99.8 75.3 112.9
160 45.2 34.7 52.1

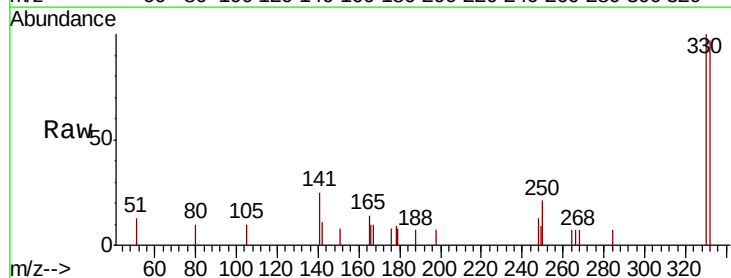


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

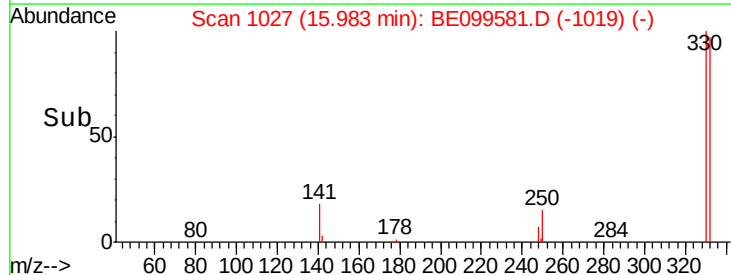
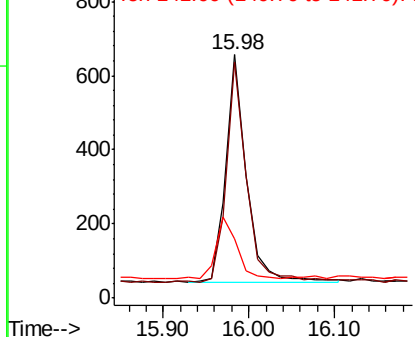


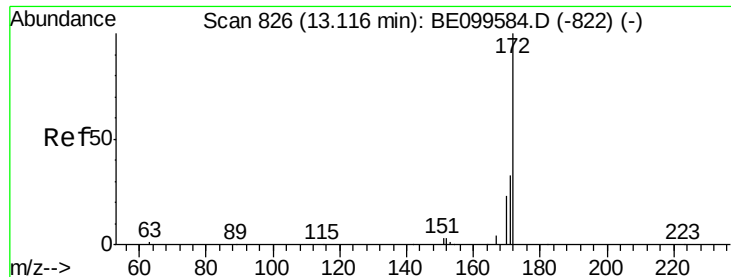
#14
2,4,6-Tribromophenol
Concen: 0.372 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099581.D
Acq: 9 May 2019 8:43

Tgt Ion:330 Resp: 1017
Ion Ratio Lower Upper
330 100
332 96.1 78.7 118.1
141 27.0 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

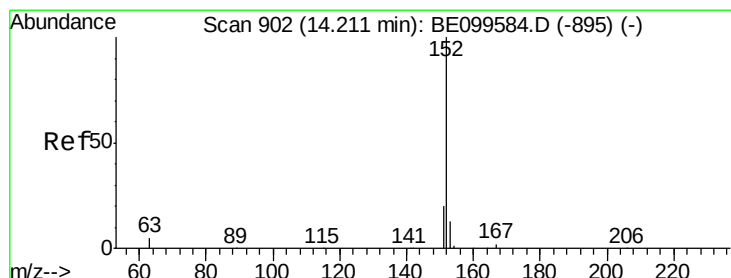
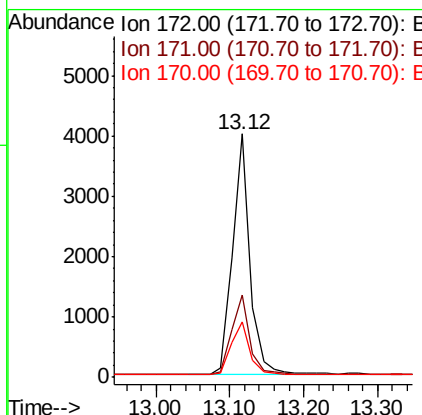
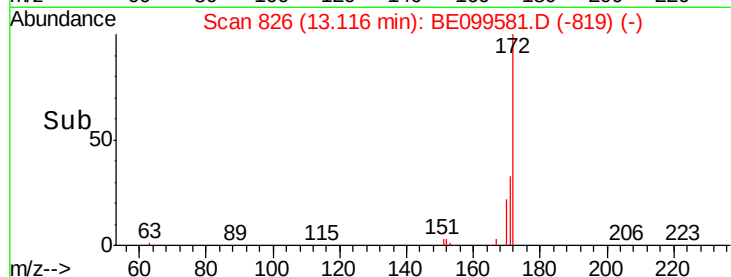
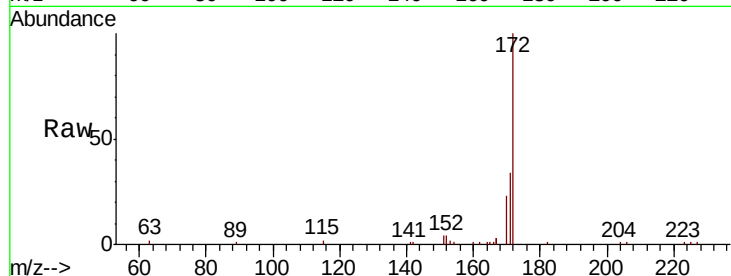




#15
2-Fluorobiphenyl
Concen: 0.423 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE099581.D
Acq: 9 May 2019 8:43

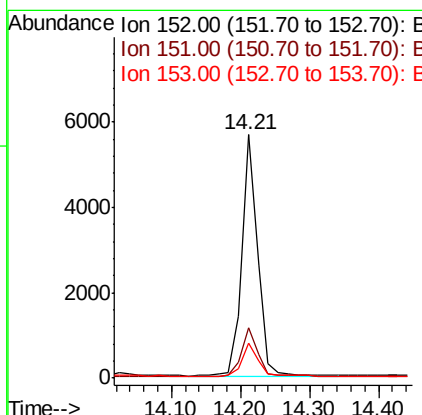
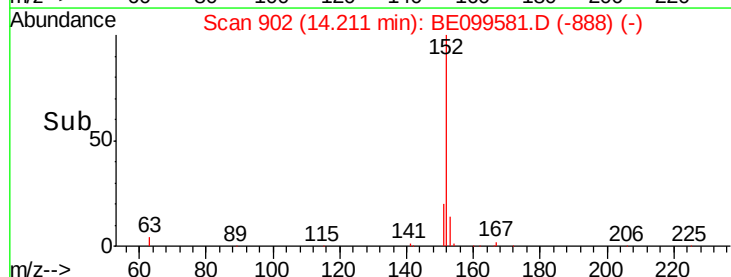
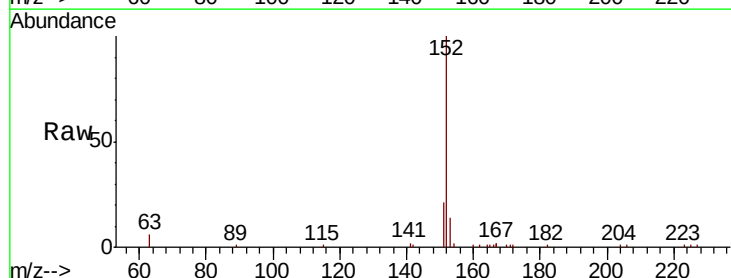
Instrument :
BNA_E
ClientSampled :

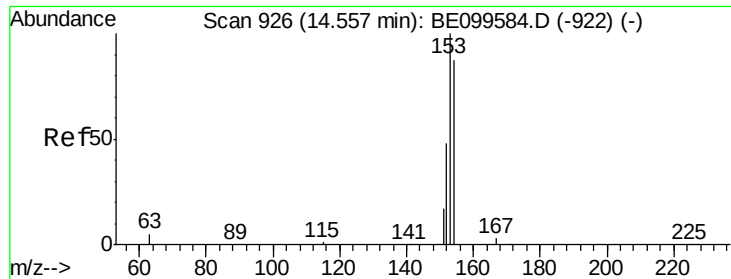
Tot Ion:172 Resp: 6592
Ion Ratio Lower Upper
172 100
171 34.0 27.5 41.3
170 22.6 19.1 28.7



#16
Acenaphthylene
Concen: 0.450 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099581.D
Acq: 9 May 2019 8:43

Tgt Ion:152 Resp: 8926
Ion Ratio Lower Upper
152 100
151 20.0 15.5 23.3
153 13.7 10.2 15.4

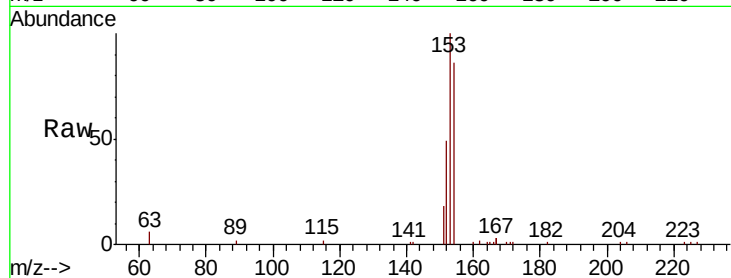




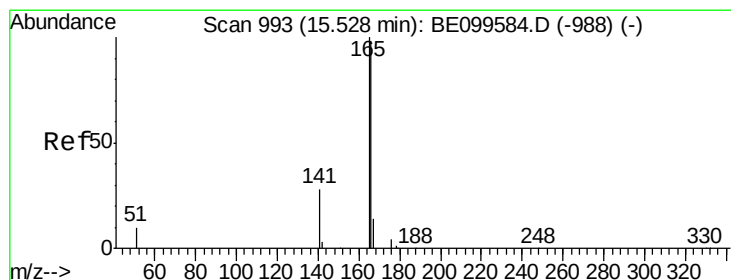
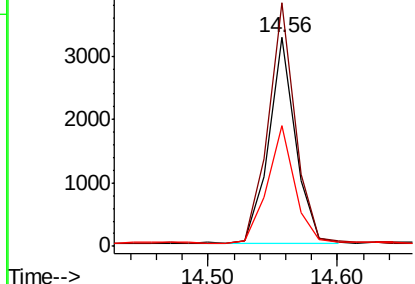
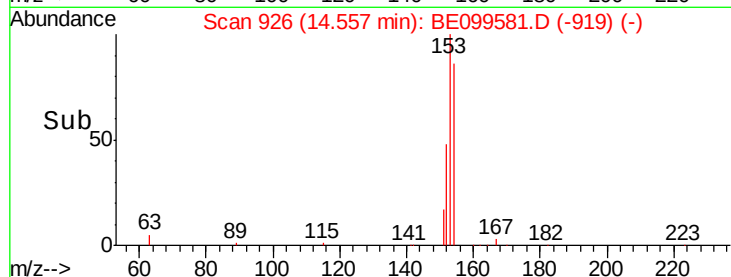
#17
Acenaphthene
Concen: 0.418 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.00 min
Lab File: BE099581.D
Acq: 9 May 2019 8:43

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 4638
Ion Ratio Lower Upper
154 100
153 118.8 92.9 139.3
152 58.6 46.3 69.5

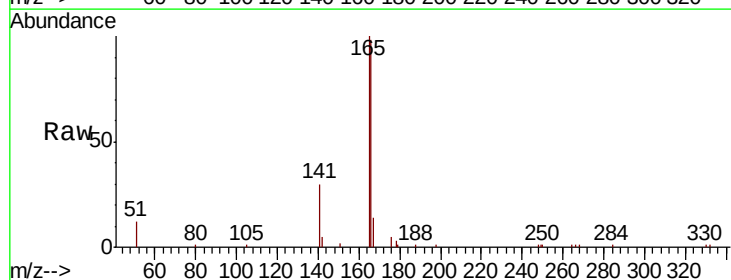


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

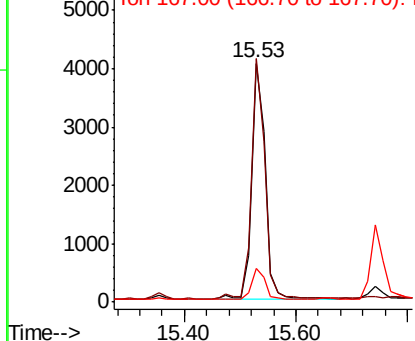
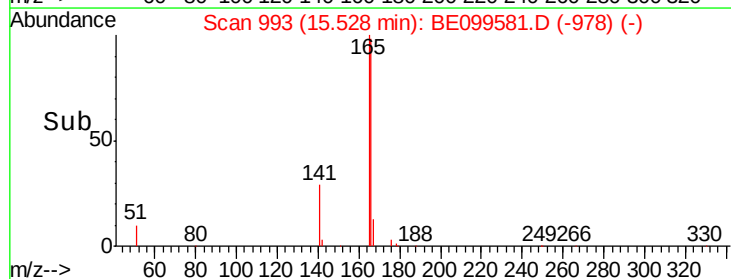


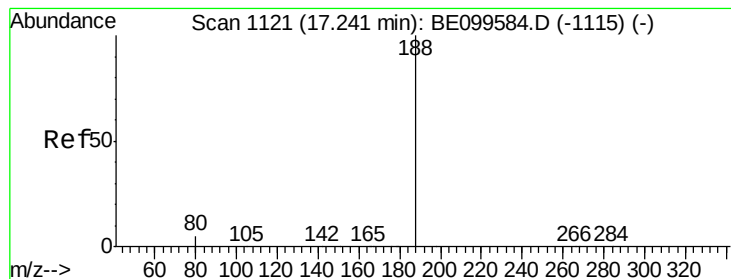
#18
Fluorene
Concen: 0.429 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099581.D
Acq: 9 May 2019 8:43

Tgt Ion:166 Resp: 6796
Ion Ratio Lower Upper
166 100
165 102.4 80.5 120.7
167 12.8 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: BE099581.D

Acq: 9 May 2019 8:43

Instrument :

BNA_E

ClientSampleId :

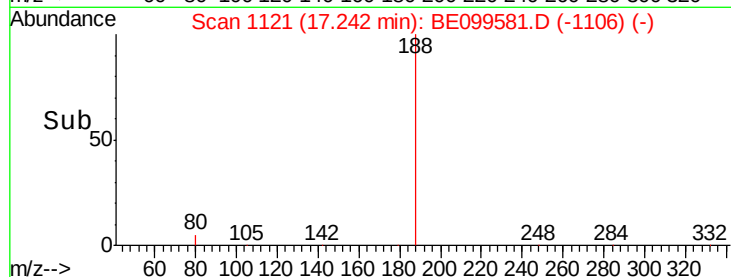
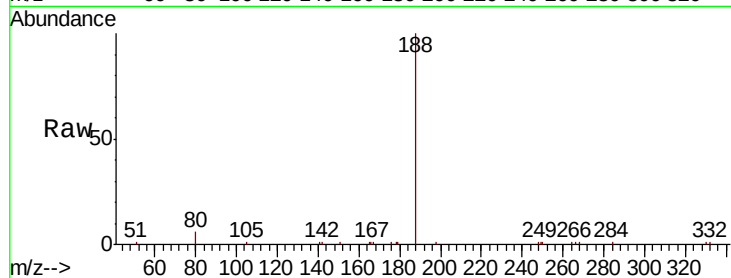
Tot Ion:188 Resp: 11615

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

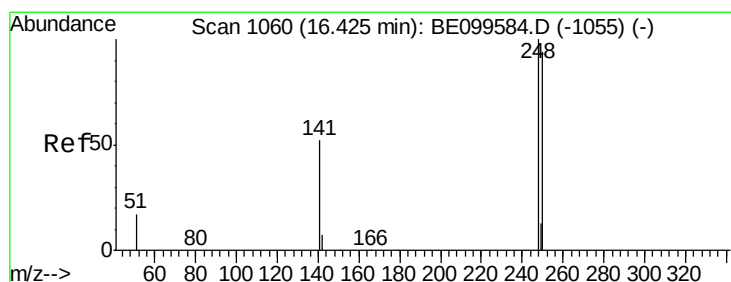
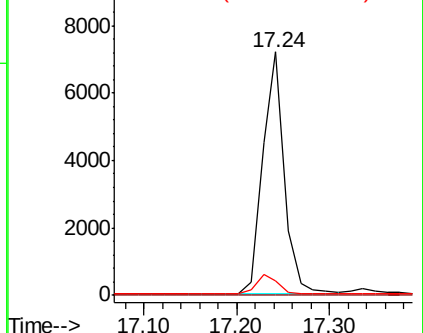
80 6.0 4.4 6.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.419 ng

RT: 16.43 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

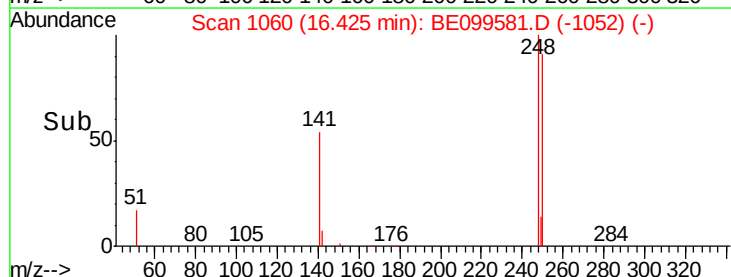
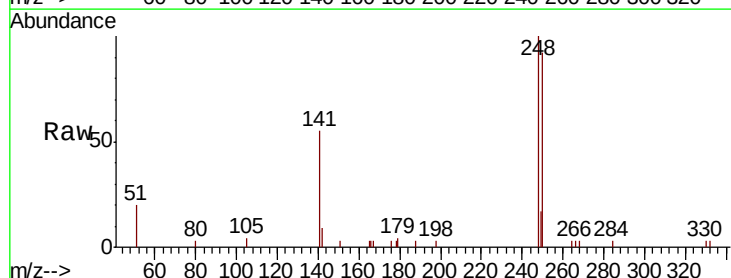
Tgt Ion:248 Resp: 2764

Ion Ratio Lower Upper

248 100

250 91.6 75.7 113.5

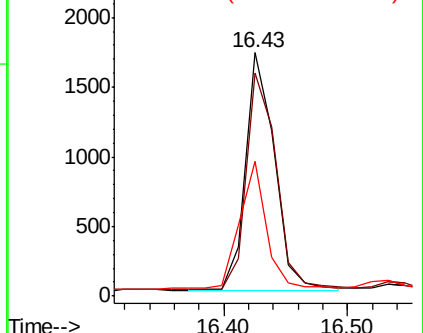
141 55.3 42.9 64.3

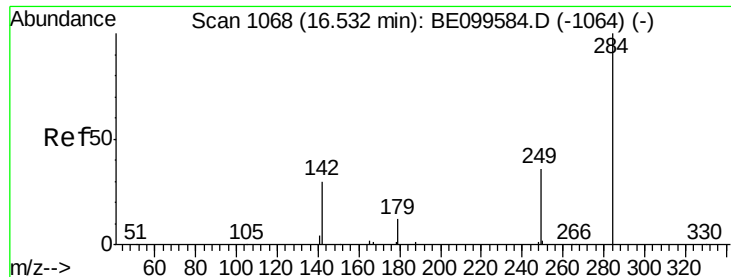


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.423 ng

RT: 16.55 min Scan# 1069

Delta R.T. 0.01 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

Instrument :

BNA_E

ClientSampleId :

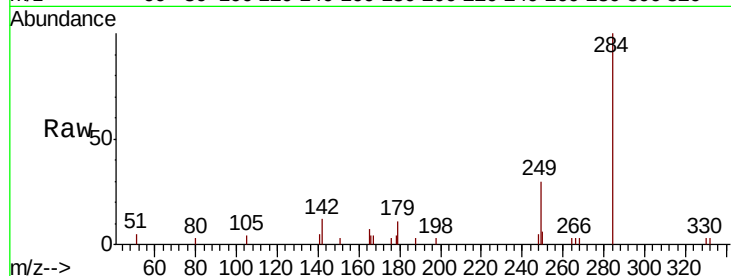
Tot Ion:284 Resp: 2775

Ion Ratio Lower Upper

284 100

142 26.0 20.6 30.8

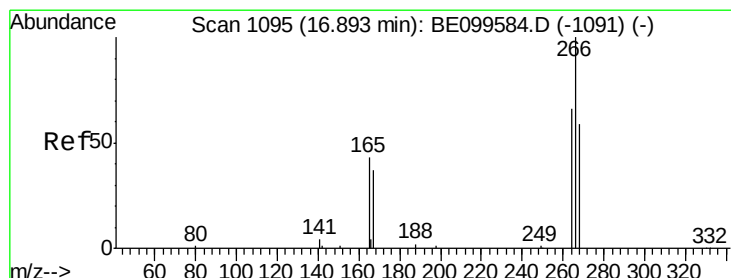
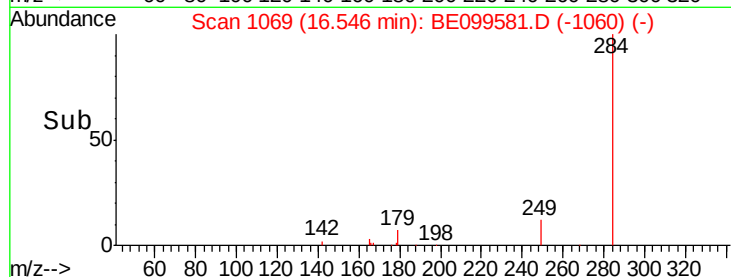
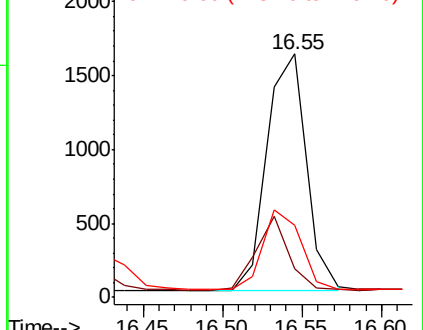
249 32.8 25.8 38.6



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: 0.364 ng

RT: 16.89 min Scan# 1095

Delta R.T. 0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

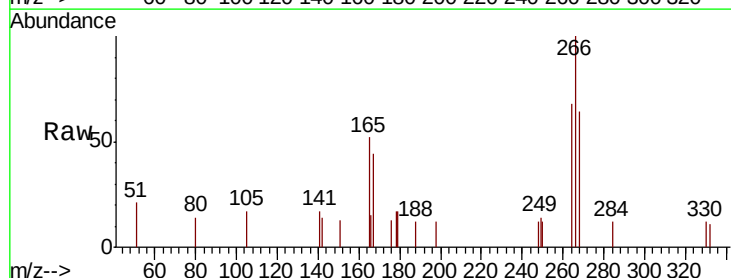
Tgt Ion:266 Resp: 983

Ion Ratio Lower Upper

266 100

264 67.8 57.3 85.9

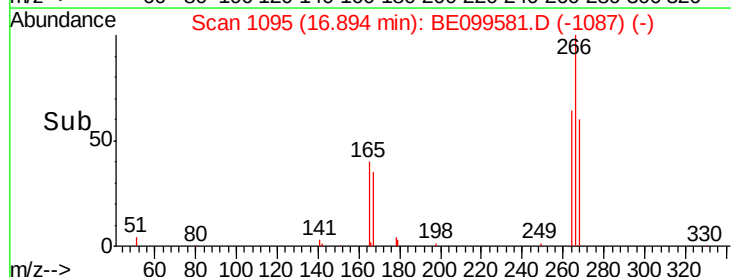
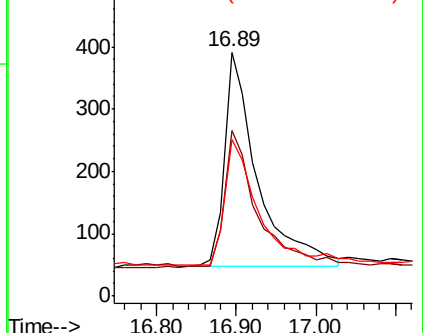
268 64.5 53.5 80.3

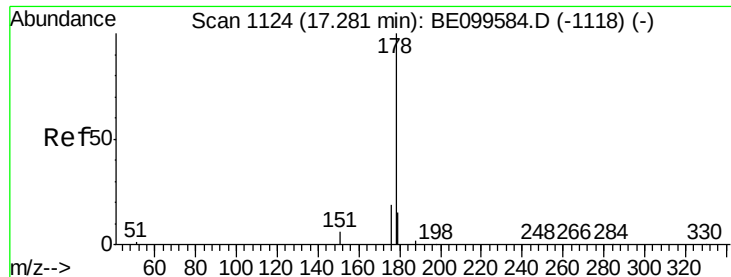


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.600 ng

RT: 17.28 min Scan# 1124

Delta R.T. 0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

Instrument :

BNA_E

ClientSampleId :

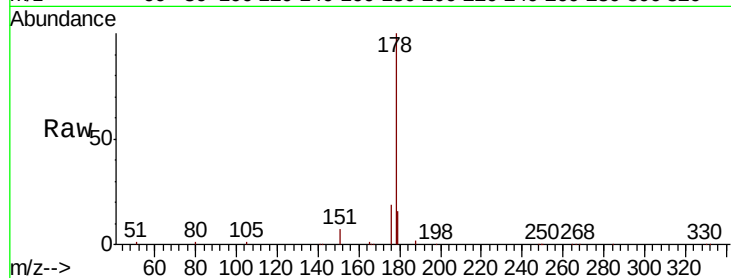
Tot Ion:178 Resp: 17172

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.6

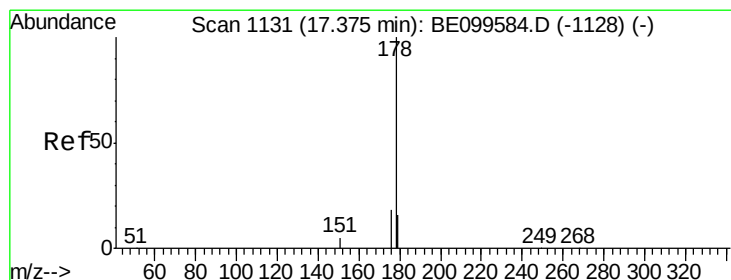
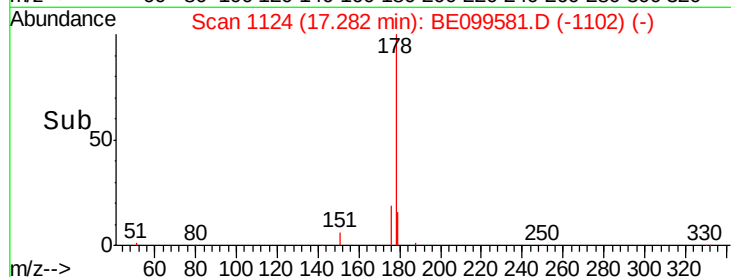
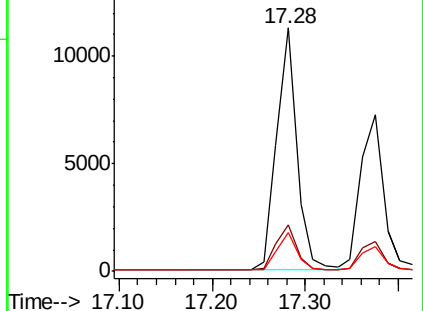
179 15.5 12.2 18.2



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: 0.445 ng

RT: 17.38 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

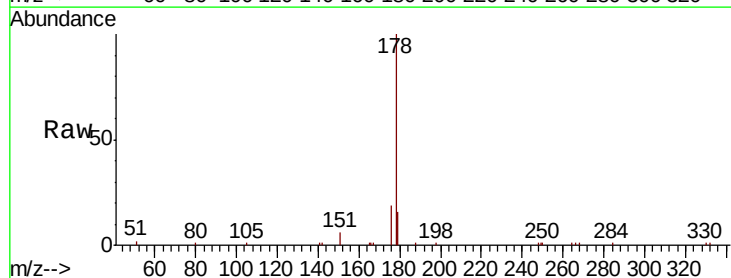
Tgt Ion:178 Resp: 12248

Ion Ratio Lower Upper

178 100

176 19.0 14.8 22.2

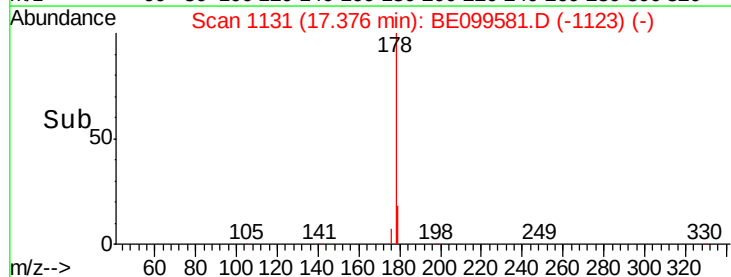
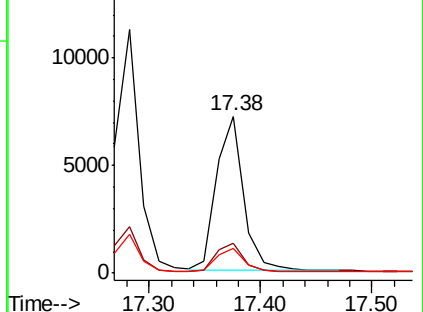
179 15.0 12.3 18.5

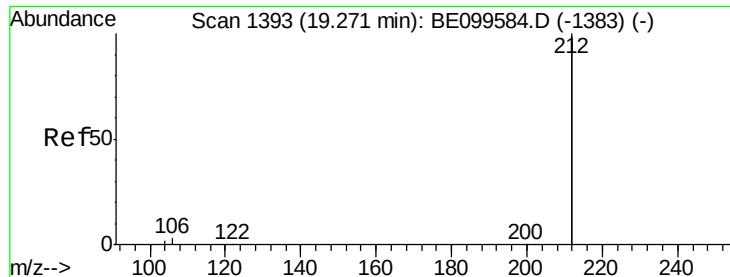


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.430 ng

RT: 19.27 min Scan# 1393

Delta R.T. 0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

Instrument :

BNA_E

ClientSampleId :

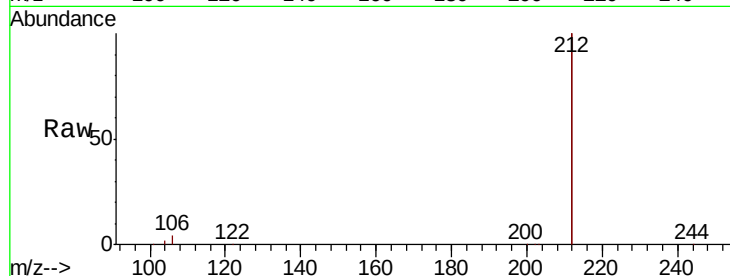
Tot Ion:212 Resp: 67193

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

104 1.0 0.9 1.3

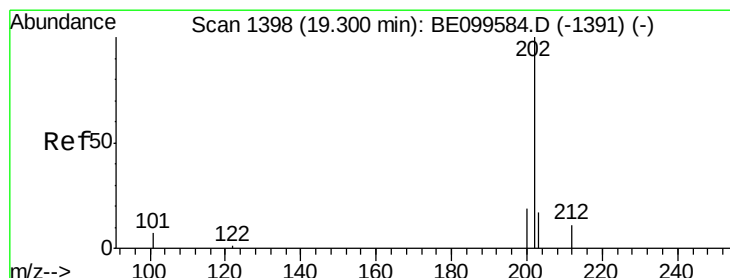
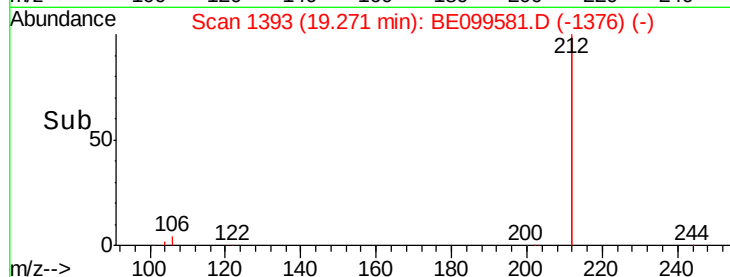
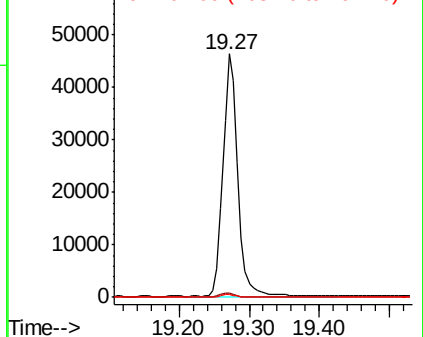


Abundance

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: 0.468 ng

RT: 19.30 min Scan# 1398

Delta R.T. 0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

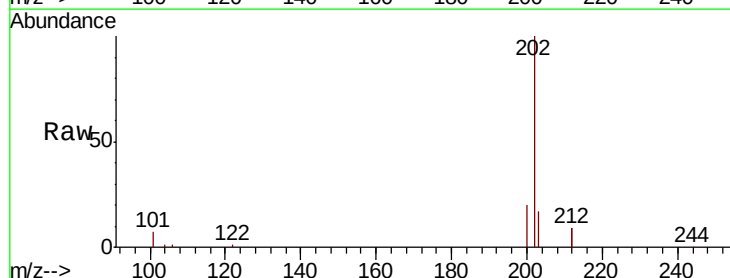
Tgt Ion:202 Resp: 20616

Ion Ratio Lower Upper

202 100

101 6.8 5.4 8.2

203 17.0 13.7 20.5

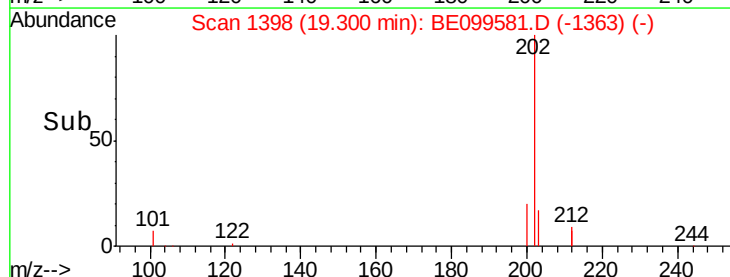
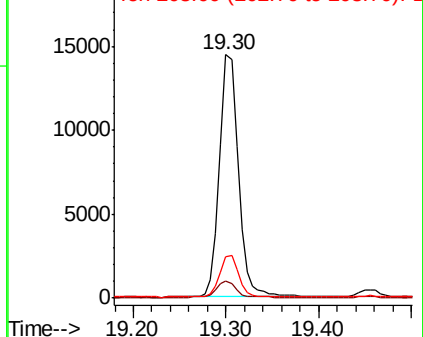


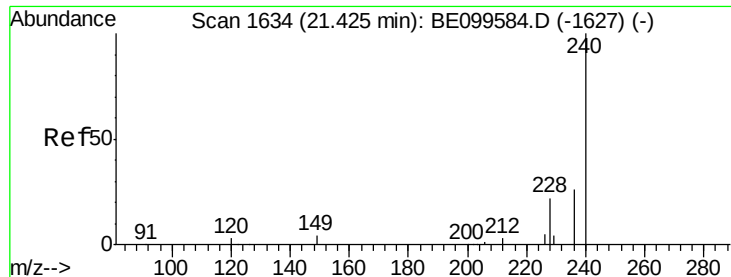
Abundance

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

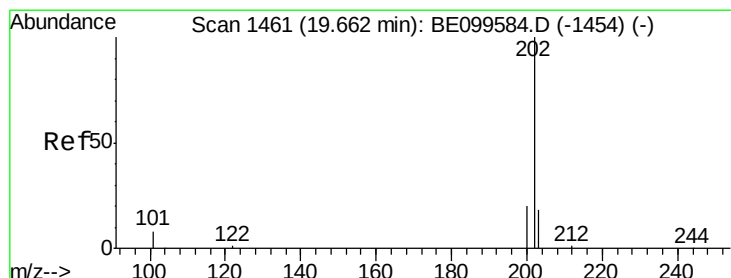
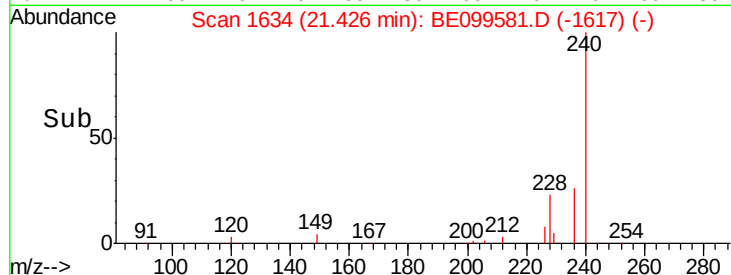
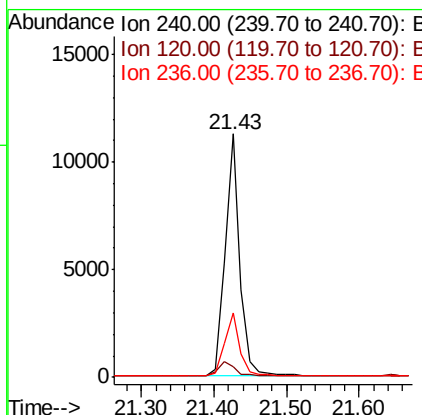
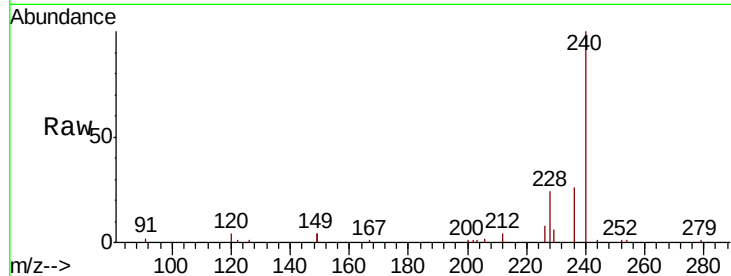




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: BE099581.D
 Acq: 9 May 2019 8:43

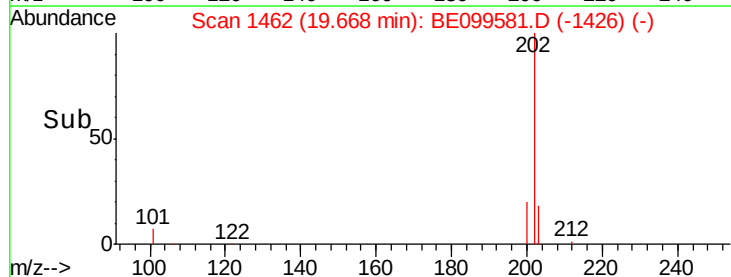
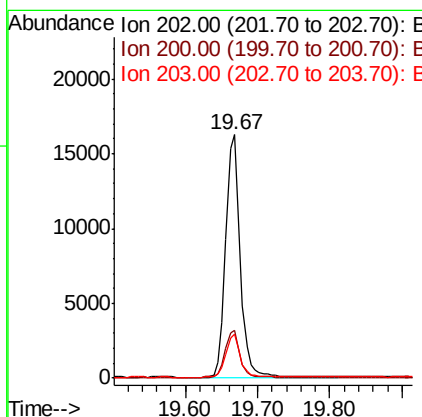
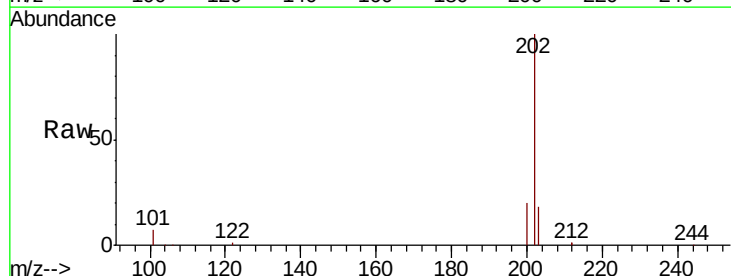
Instrument :
 BNA_E
 ClientSampled :

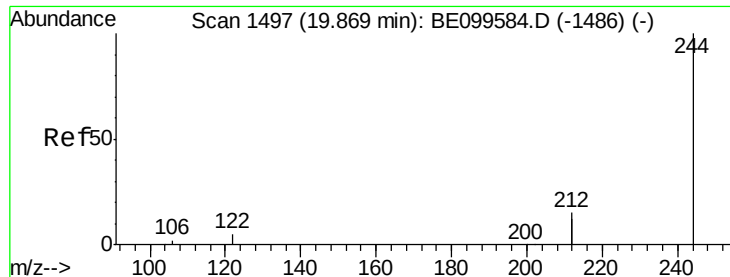
Tot Ion:240 Resp: 16107
 Ion Ratio Lower Upper
 240 100
 120 4.1 3.2 4.8
 236 26.3 21.0 31.6



#28
 Pyrene
 Concen: 0.528 ng
 RT: 19.67 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: BE099581.D
 Acq: 9 May 2019 8:43

Tgt Ion:202 Resp: 22766
 Ion Ratio Lower Upper
 202 100
 200 19.5 15.9 23.9
 203 17.8 14.1 21.1





#29

Terphenyl-d14

Concen: 0.445 ng

RT: 19.87 min Scan# 1497

Delta R.T. 0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

Instrument :

BNA_E

ClientSampleId :

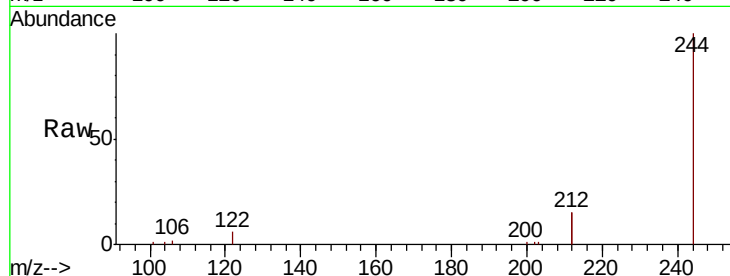
Tot Ion:244 Resp: 13267

Ion Ratio Lower Upper

244 100

212 30.5 24.4 36.6

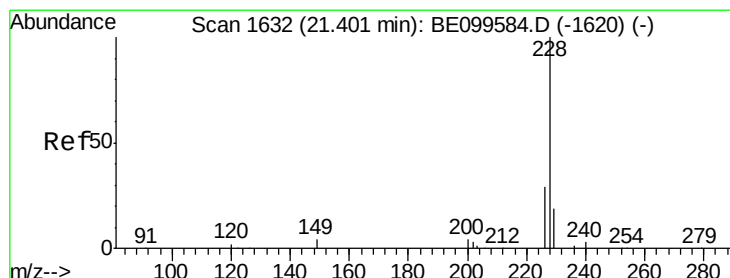
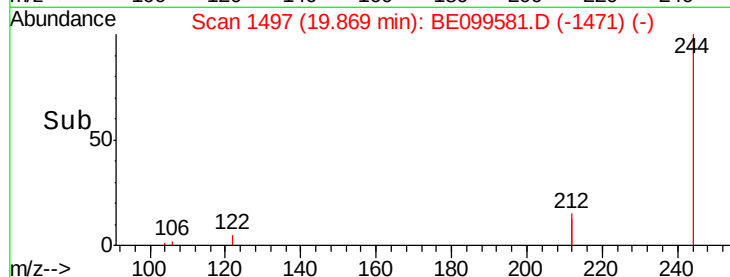
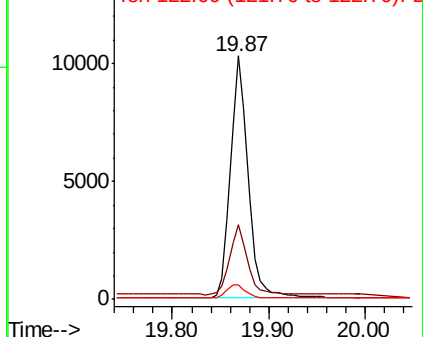
122 5.7 4.6 6.8



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: 0.480 ng

RT: 21.40 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

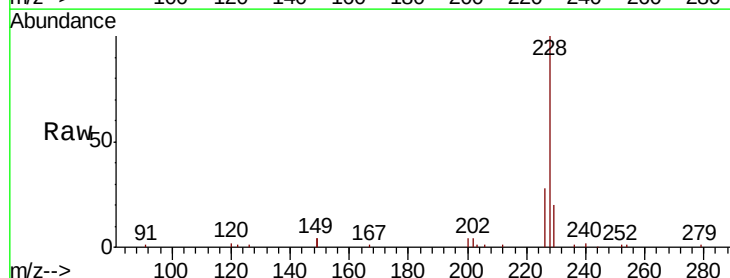
Tgt Ion:228 Resp: 23938

Ion Ratio Lower Upper

228 100

226 28.3 23.3 34.9

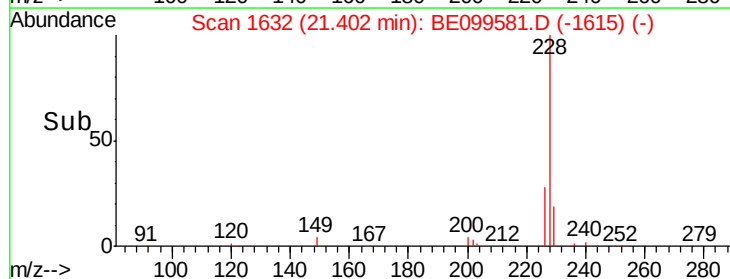
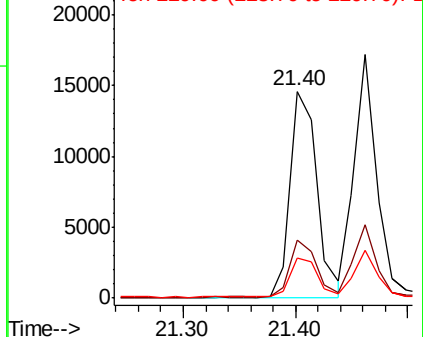
229 19.7 15.5 23.3

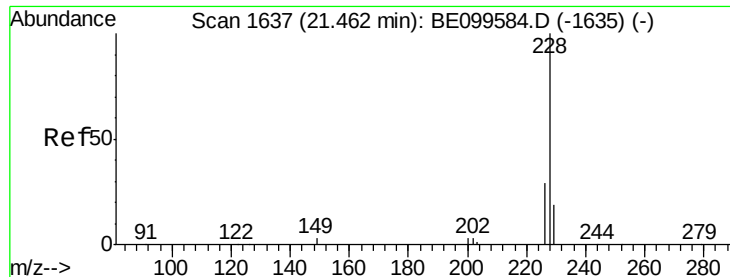


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.479 ng

RT: 21.46 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

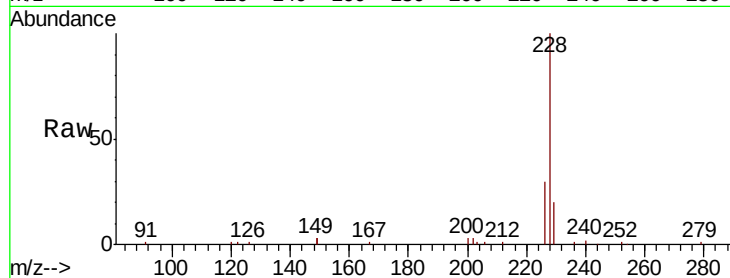
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 23580

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.2	34.8
229	19.6	15.6	23.4

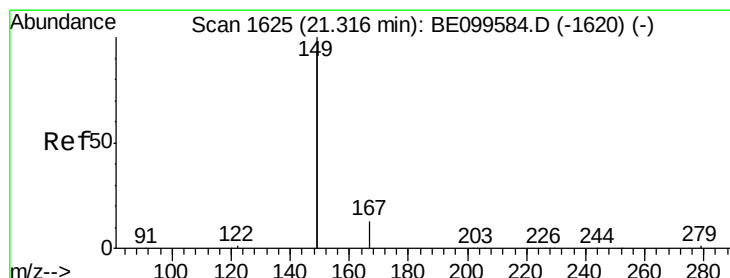
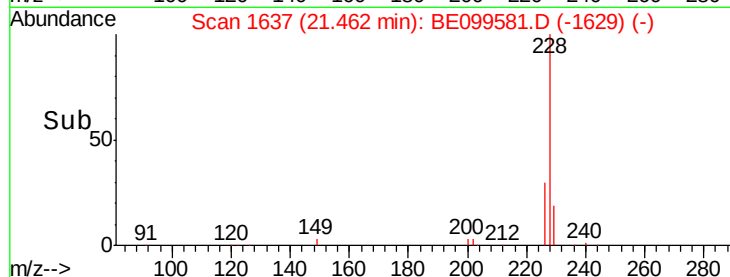
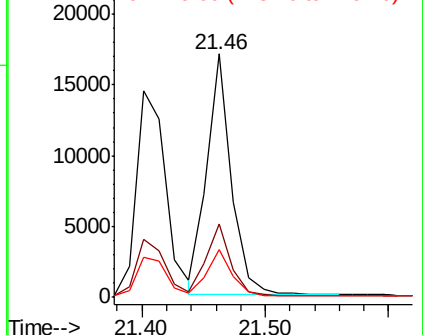


Abundance

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: 0.427 ng

RT: 21.32 min Scan# 1625

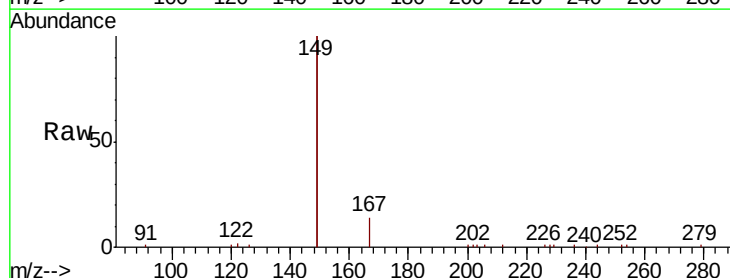
Delta R.T. 0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

Tgt Ion:149 Resp: 33742

Ion	Ratio	Lower	Upper
149	100		
167	7.5	6.0	9.0
279	1.5	1.1	1.7

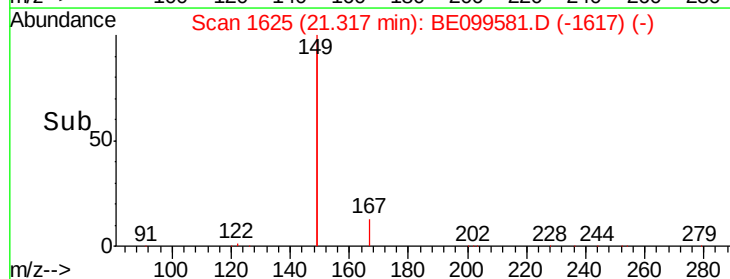
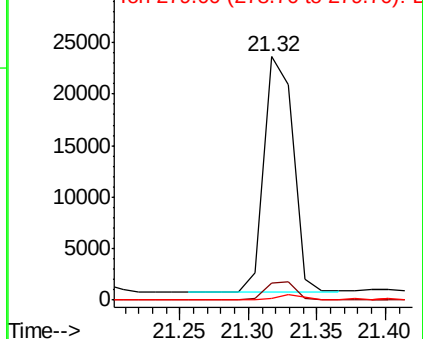


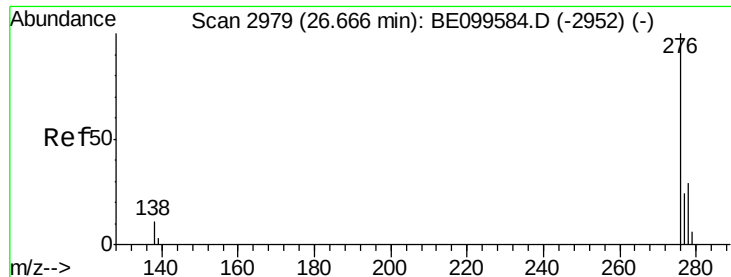
Abundance

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

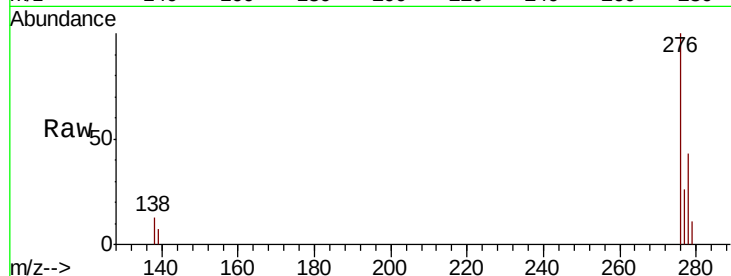




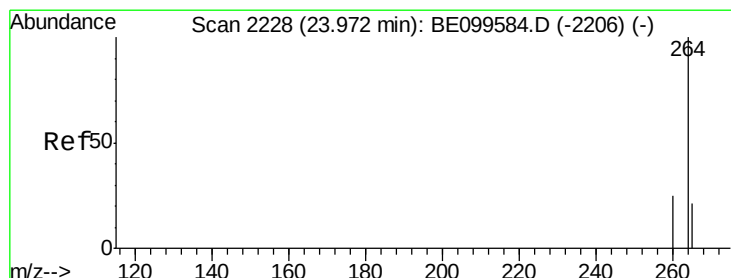
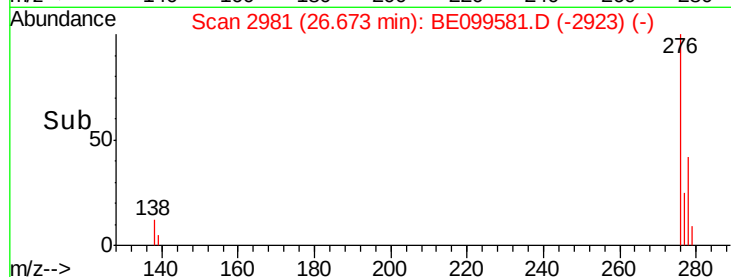
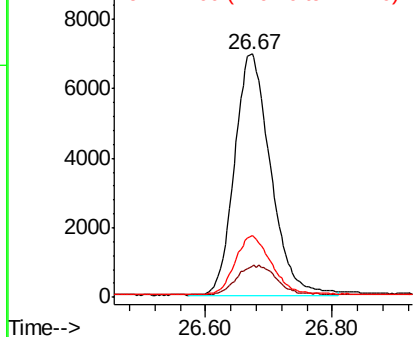
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.469 ng
 RT: 26.67 min Scan# 2981
 Delta R.T. 0.01 min
 Lab File: BE099581.D
 Acq: 9 May 2019 8:43

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 27452
 Ion Ratio Lower Upper
 276 100
 138 13.5 10.2 15.2
 277 24.9 19.8 29.8

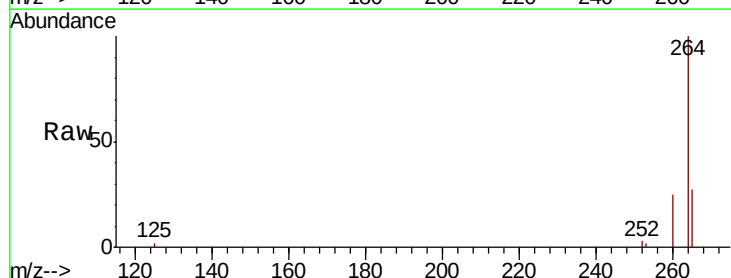


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

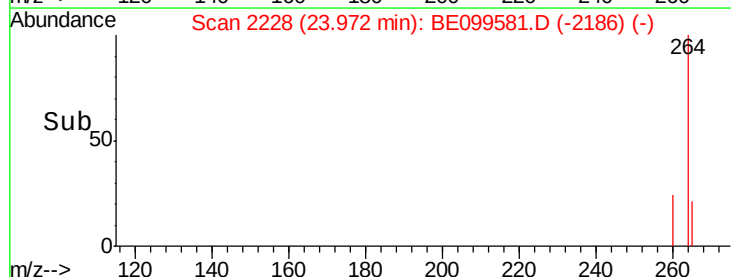
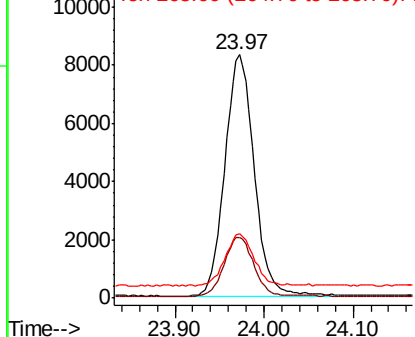


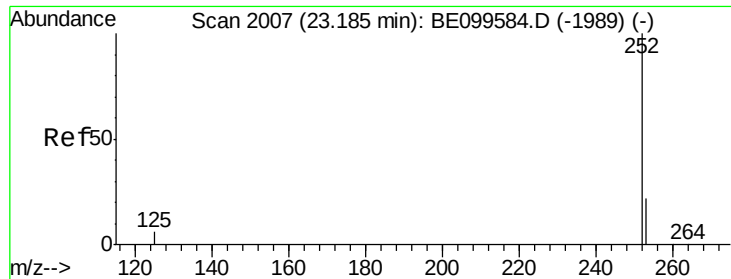
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.97 min Scan# 2228
 Delta R.T. 0.00 min
 Lab File: BE099581.D
 Acq: 9 May 2019 8:43

Tgt Ion:264 Resp: 19156
 Ion Ratio Lower Upper
 264 100
 260 24.9 20.3 30.5
 265 26.6 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

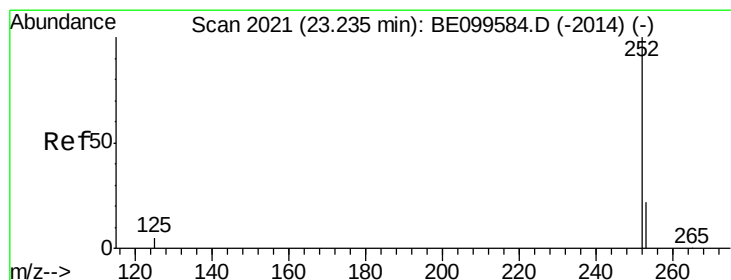
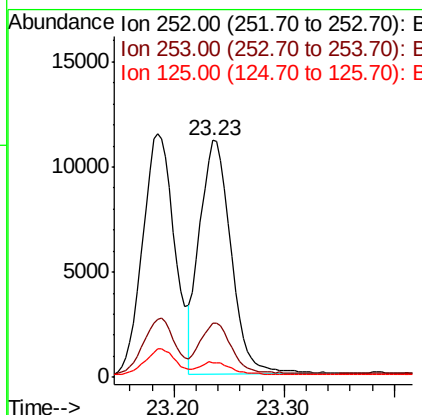
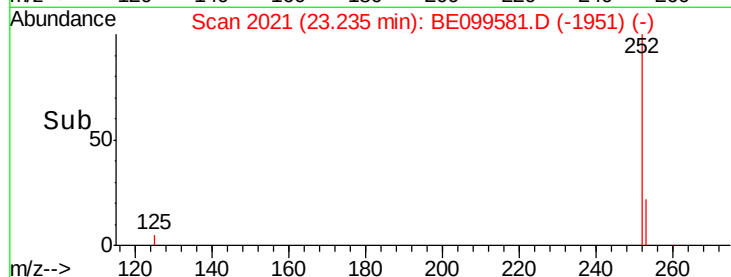
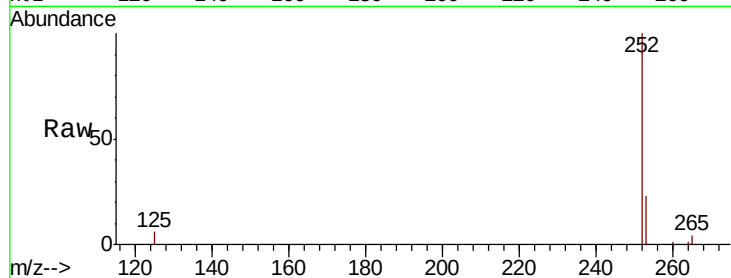




#35
Benzo(b)fluoranthene
Concen: 0.416 ng
RT: 23.23 min Scan# 2021
Delta R.T. 0.05 min
Lab File: BE099581.D
Acq: 9 May 2019 8:43

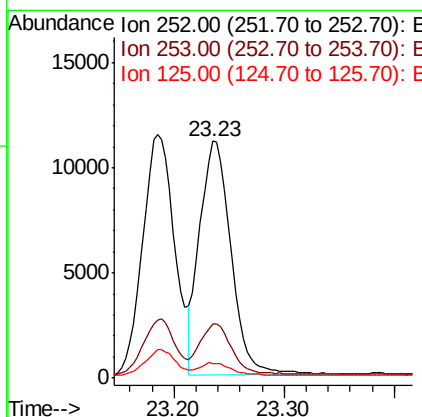
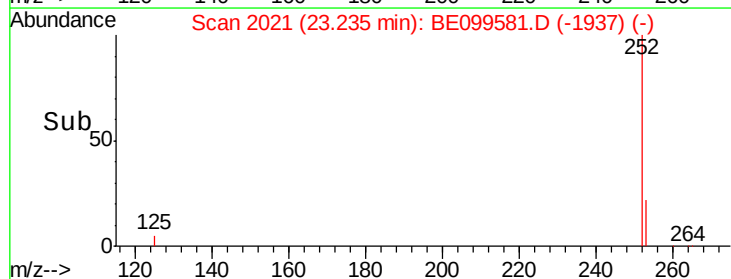
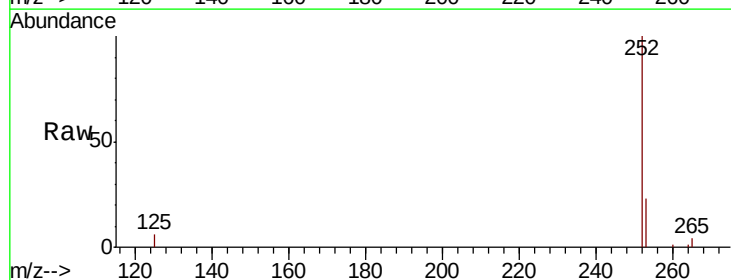
Instrument :
BNA_E
ClientSampleId :

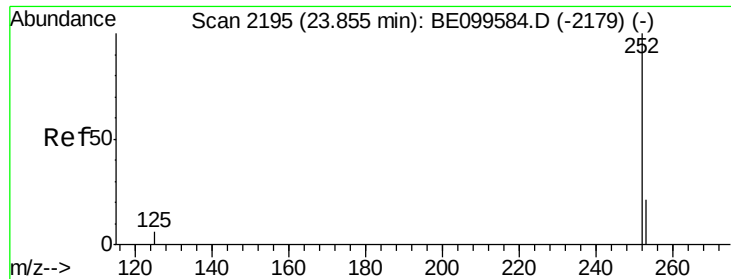
Tot Ion:252 Resp: 21973
Ion Ratio Lower Upper
252 100
253 23.0 18.6 28.0
125 6.3 6.0 9.0



#36
Benzo(k)fluoranthene
Concen: 0.423 ng
RT: 23.23 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BE099581.D
Acq: 9 May 2019 8:43

Tgt Ion:252 Resp: 21973
Ion Ratio Lower Upper
252 100
253 23.0 18.7 28.1
125 6.3 5.1 7.7





#37

Benzo(a)pyrene

Concen: 0.439 ng

RT: 23.85 min Scan# 2195

Delta R.T. 0.00 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

Instrument :

BNA_E

ClientSampleId :

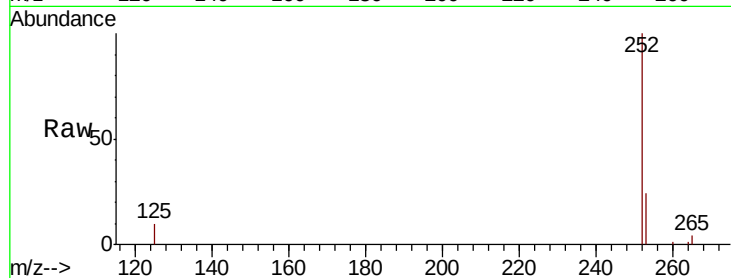
Tot Ion:252 Resp: 22385

Ion Ratio Lower Upper

252 100

253 23.5 18.6 27.8

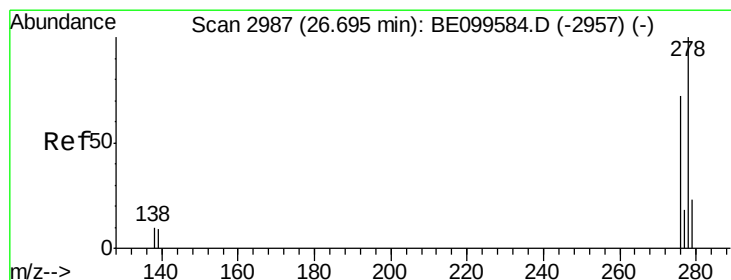
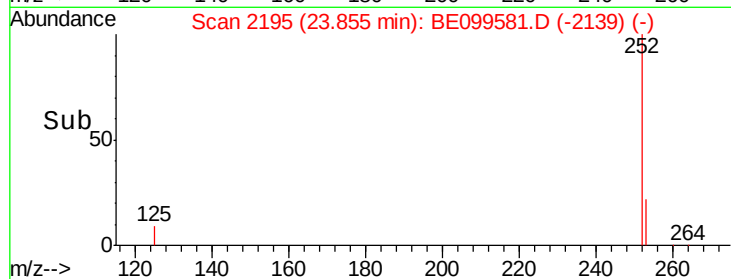
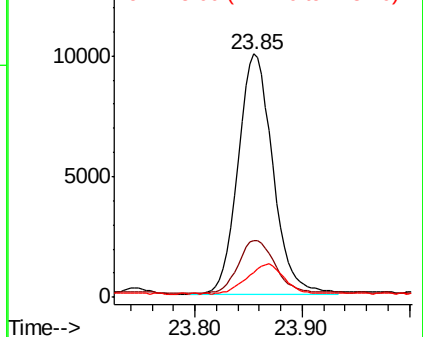
125 10.2 6.4 9.6#



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: 0.429 ng

RT: 26.70 min Scan# 2989

Delta R.T. 0.01 min

Lab File: BE099581.D

Acq: 9 May 2019 8:43

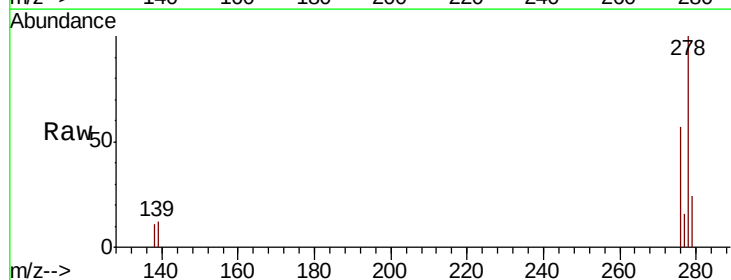
Tgt Ion:278 Resp: 22591

Ion Ratio Lower Upper

278 100

139 11.6 8.3 12.5

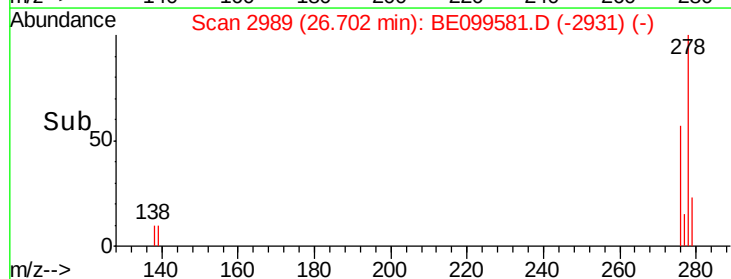
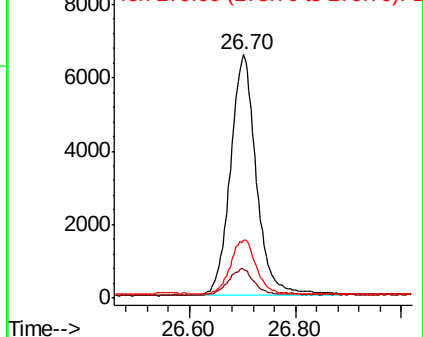
279 24.0 19.4 29.2

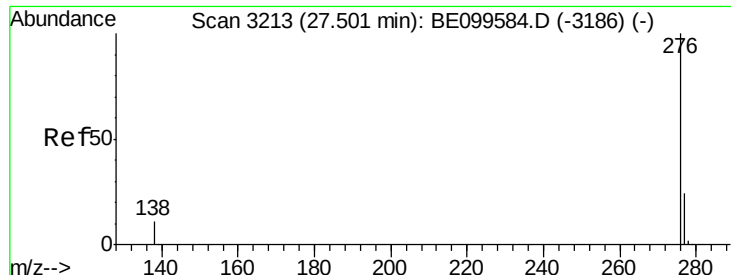


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.432 ng

RT: 27.51 min Scan# 3216

Delta R.T. 0.01 min

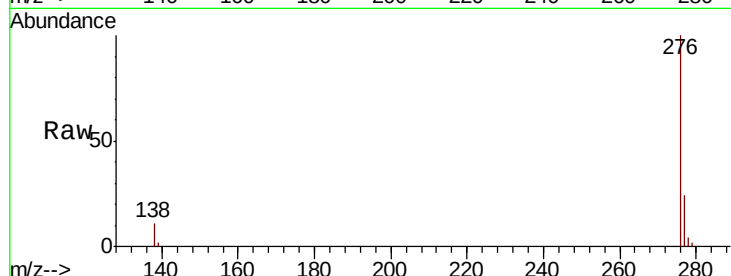
Lab File: BE099581.D

Acq: 9 May 2019 8:43

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 22795

Ion Ratio Lower Upper

276 100

277 24.0 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

