

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052119\
 Data File : BE099693.D
 Acq On : 21 May 2019 17:31
 Operator : JU/SJ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 21 18:54:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 19:29:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1917	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	7064	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	5303	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	14831	0.40	ng	0.00
27) Chrysene-d12	21.41	240	19786	0.40	ng	0.00
34) Perylene-d12	23.96	264	23611	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	1767	0.36	ng	0.00
5) Phenol-d6	6.97	99	2444	0.38	ng	0.00
8) Nitrobenzene-d5	8.98	82	2211	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	4583	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	1064	0.40	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	7016	0.35	ng	0.00
25) Fluoranthene-d10	19.26	212	68001	0.34	ng	0.00
29) Terphenyl-d14	19.86	244	13526	0.38	ng	0.00

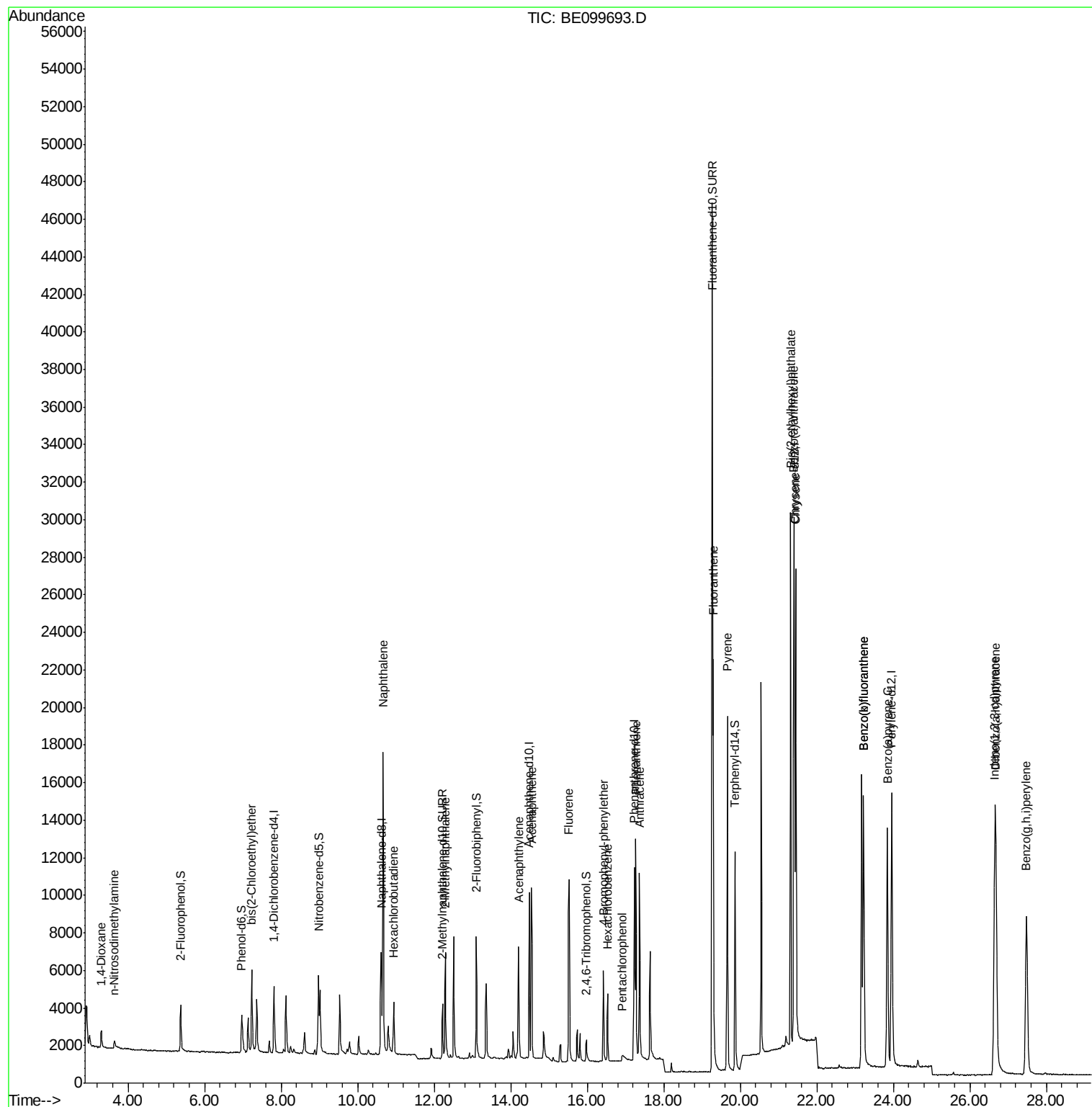
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	837	0.295	ng	# 85
3) n-Nitrosodimethylamine	3.64	42	356	0.227	ng	# 79
6) bis(2-Chloroethyl)ether	7.23	93	2018	0.354	ng	99
9) Naphthalene	10.67	128	27317	0.362	ng	100
10) Hexachlorobutadiene	10.94	225	2027	0.364	ng	96
12) 2-Methylnaphthalene	12.29	142	4501	0.365	ng	100
16) Acenaphthylene	14.21	152	8704	0.352	ng	100
17) Acenaphthene	14.54	154	4897	0.353	ng	98
18) Fluorene	15.53	166	6984	0.342	ng	100
20) 4-Bromophenyl-phenylether	16.43	248	3095	0.362	ng	98
21) Hexachlorobenzene	16.53	284	3279	0.375	ng	100
22) Pentachlorophenol	16.92	266	659	0.425	ng	96
23) Phenanthrene	17.27	178	12982	0.358	ng	100
24) Anthracene	17.36	178	11520	0.350	ng	100
26) Fluoranthene	19.29	202	19340	0.338	ng	99
28) Pyrene	19.66	202	20127	0.405	ng	100
30) Benzo(a)anthracene	21.40	228	22839	0.406	ng	99
31) Chrysene	21.45	228	24020	0.400	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	31471	0.486	ng	99
33) Indeno(1,2,3-cd)pyrene	26.65	276	28257	0.389	ng	# 94
35) Benzo(b)fluoranthene	23.22	252	23862	0.369	ng	100
36) Benzo(k)fluoranthene	23.22	252	24060	0.357	ng	99
37) Benzo(a)pyrene	23.84	252	22408	0.360	ng	# 98
38) Dibenzo(a,h)anthracene	26.68	278	22874	0.350	ng	98
39) Benzo(g,h,i)perylene	27.48	276	23437	0.355	ng	99

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052119\
Data File : BE099693.D
Acq On : 21 May 2019 17:31
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :

Quant Time: May 21 18:54:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 19:29:40 2019
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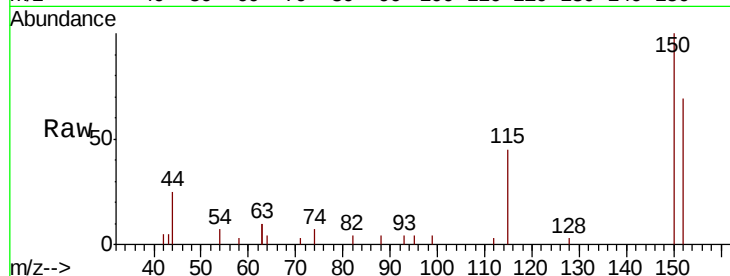


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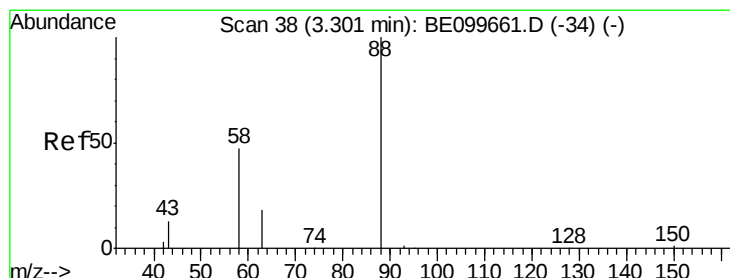
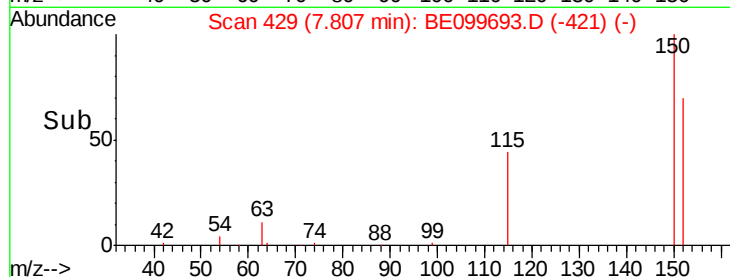
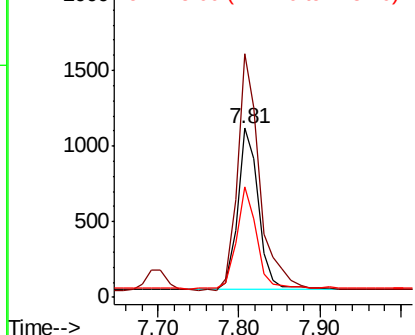
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099693.D
Acq: 21 May 2019 17:31

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1917
Ion Ratio Lower Upper
152 100
150 144.0 109.2 163.8
115 65.2 43.7 65.5



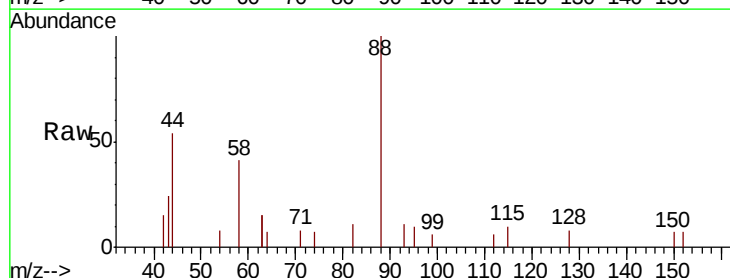
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



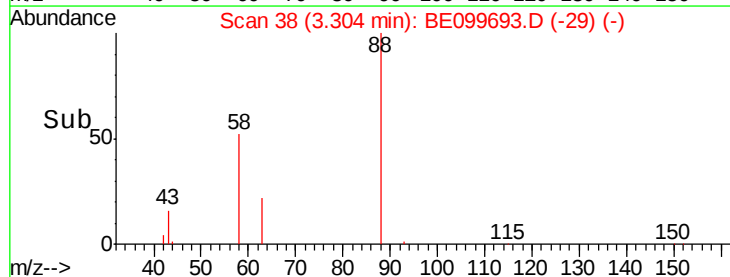
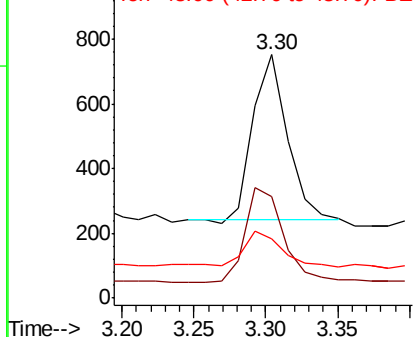
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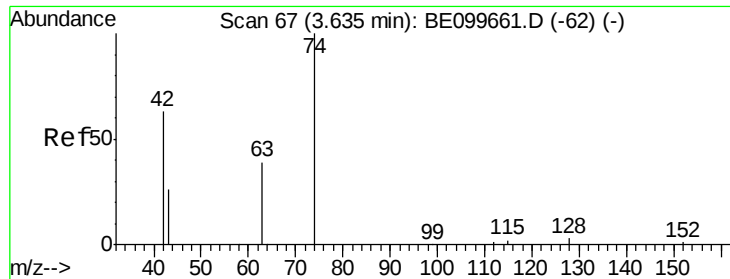
1,4-Dioxane
Concen: 0.295 ng
RT: 3.30 min Scan# 38
Delta R.T. 0.00 min
Lab File: BE099693.D
Acq: 21 May 2019 17:31

Tgt Ion: 88 Resp: 837
Ion Ratio Lower Upper
88 100
58 63.4 41.8 62.8#
43 24.1 15.0 22.4#



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: 0.227 ng

RT: 3.64 min Scan# 67

Delta R.T. 0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

Instrument :

BNA_E

ClientSampleId :

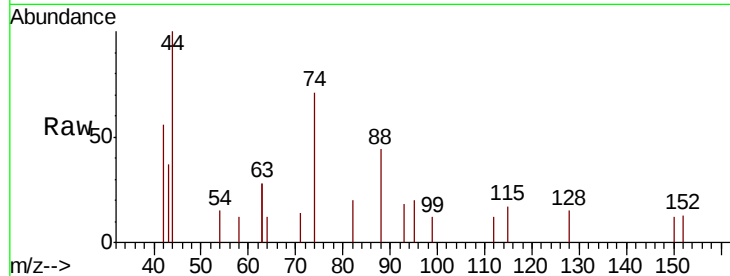
Tot Ion: 42 Resp: 356

Ion Ratio Lower Upper

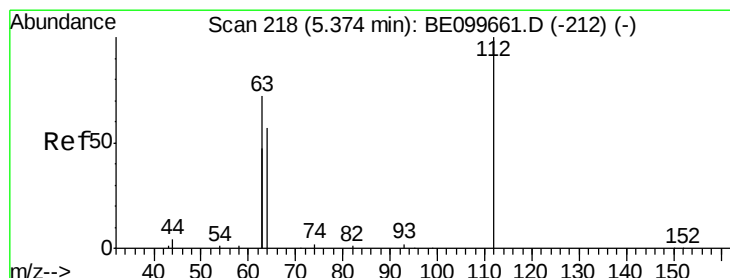
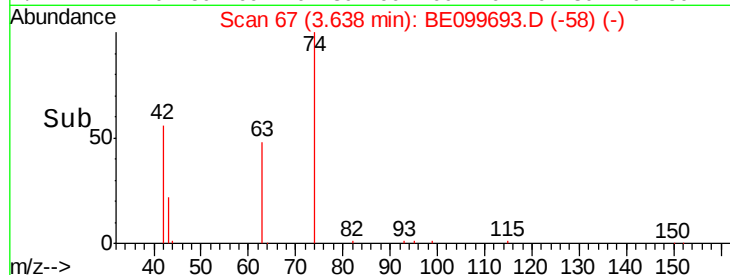
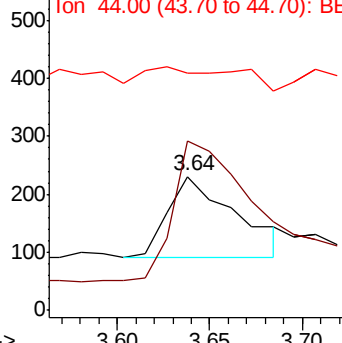
42 100

74 188.8 129.2 193.8

44 41.0 0.0 0.0#



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



#4

2-Fluorophenol

Concen: 0.365 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

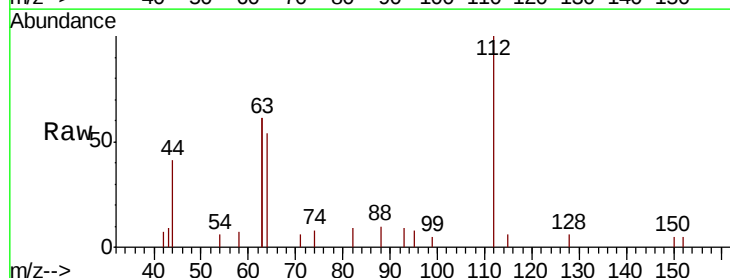
Tgt Ion: 112 Resp: 1767

Ion Ratio Lower Upper

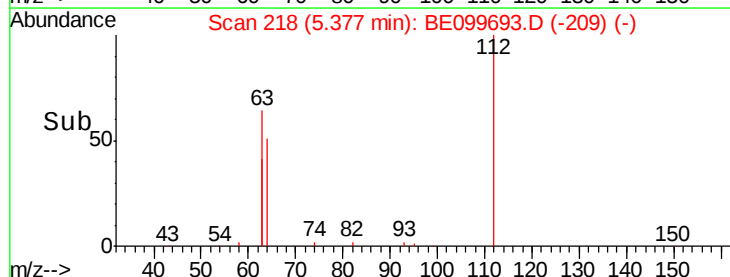
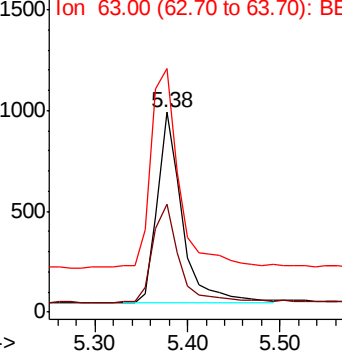
112 100

64 58.2 43.4 65.2

63 115.0 96.9 145.3



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





#5

Phenol-d6

Concen: 0.381 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

Instrument :

BNA_E

ClientSampled :

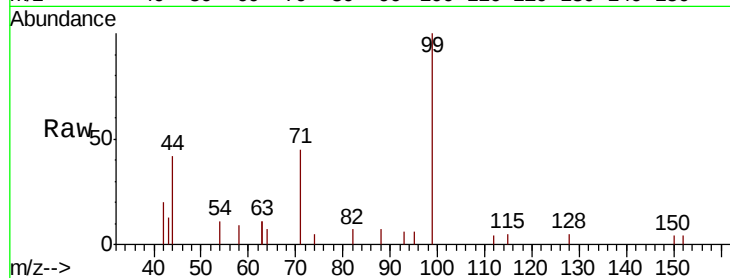
Tot Ion: 99 Resp: 2444

Ion Ratio Lower Upper

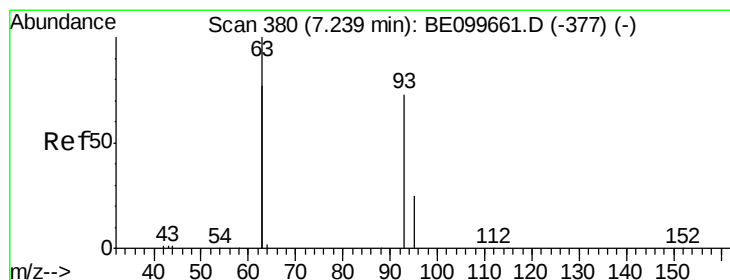
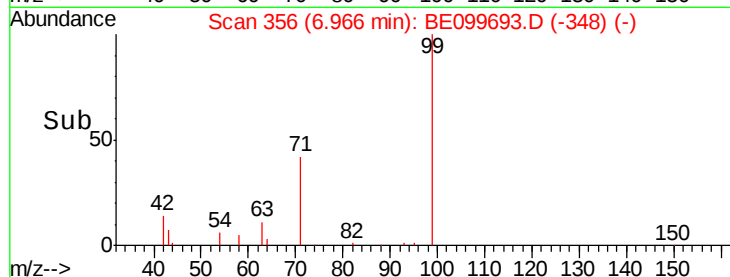
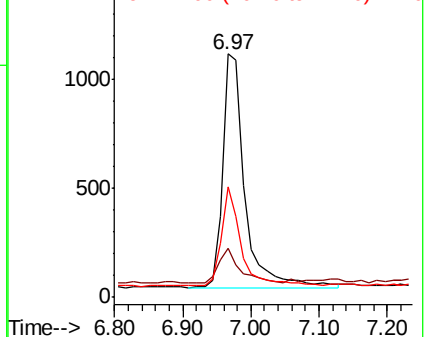
99 100

42 13.3 12.2 18.2

71 38.2 28.9 43.3



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: 0.354 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

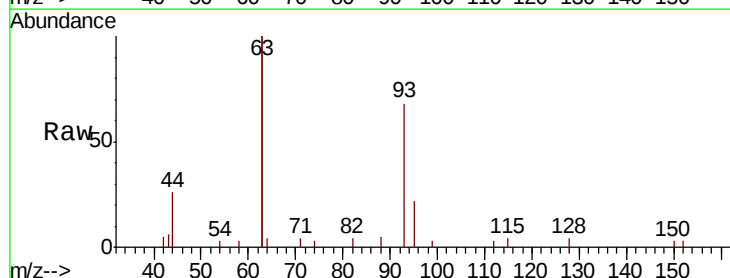
Tgt Ion: 93 Resp: 2018

Ion Ratio Lower Upper

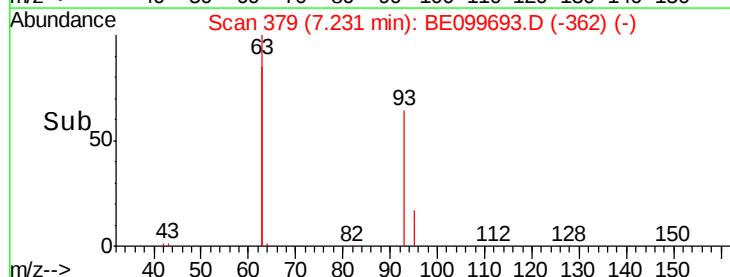
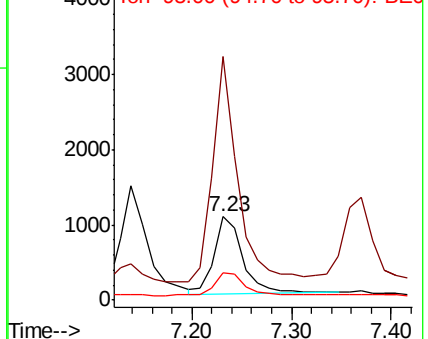
93 100

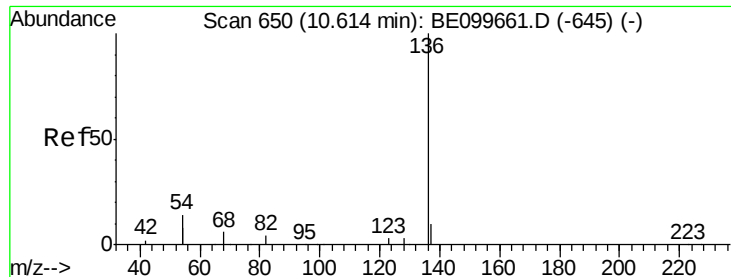
63 259.2 207.8 311.6

95 30.4 25.9 38.9



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: 10.61 min Scan# 650

Delta R.T. -0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 7064

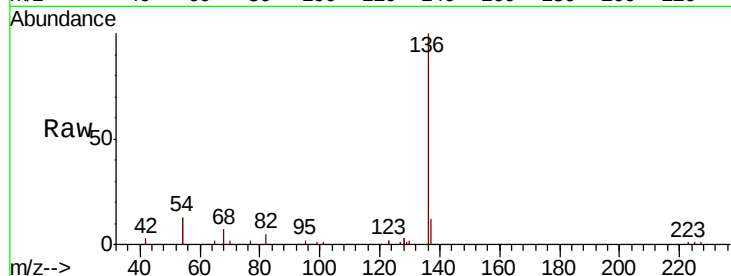
Ion Ratio Lower Upper

136 100

137 11.9 9.0 13.6

54 26.2 22.3 33.5

68 7.3 6.0 9.0

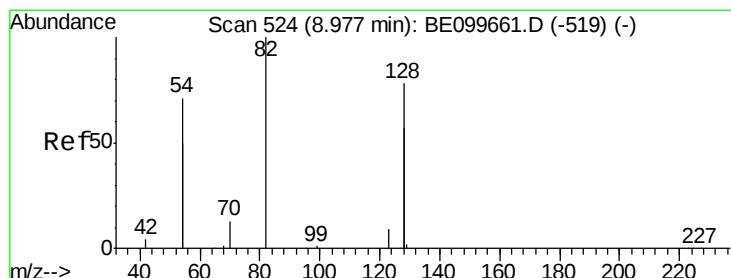
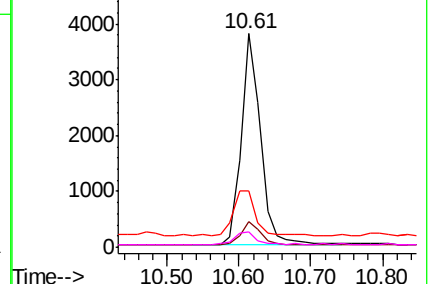
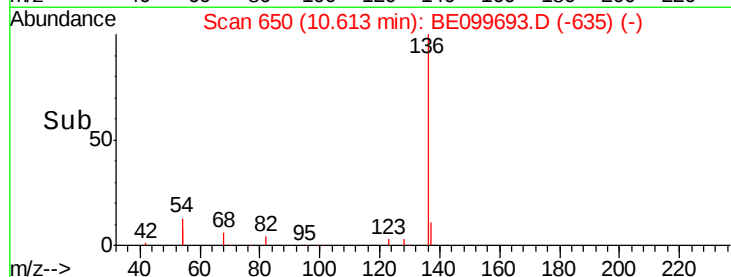


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.362 ng

RT: 8.98 min Scan# 524

Delta R.T. -0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

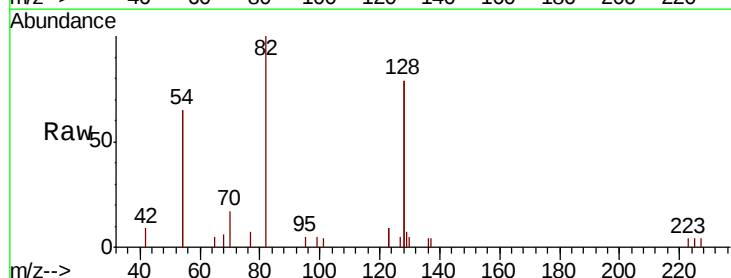
Tgt Ion: 82 Resp: 2211

Ion Ratio Lower Upper

82 100

128 157.7 117.7 176.5

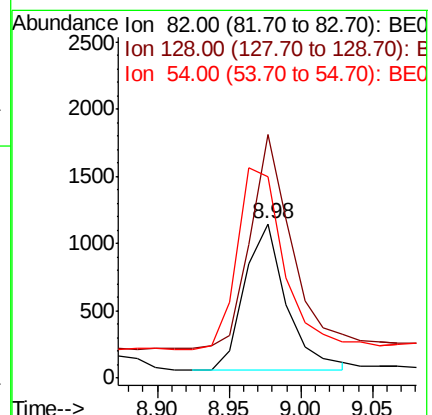
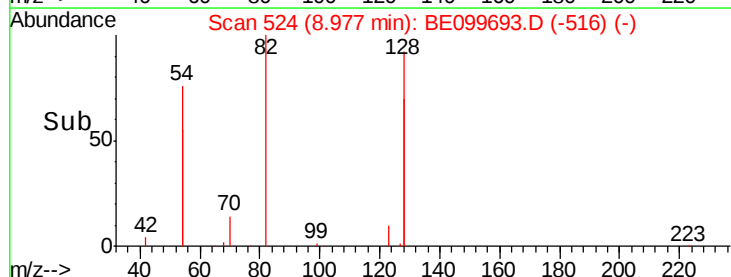
54 130.3 106.6 160.0

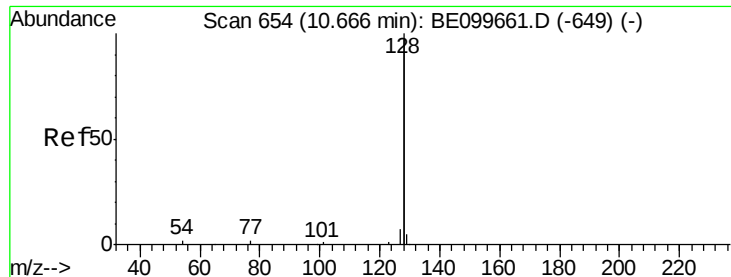


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.362 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

Instrument :

BNA_E

ClientSampleId :

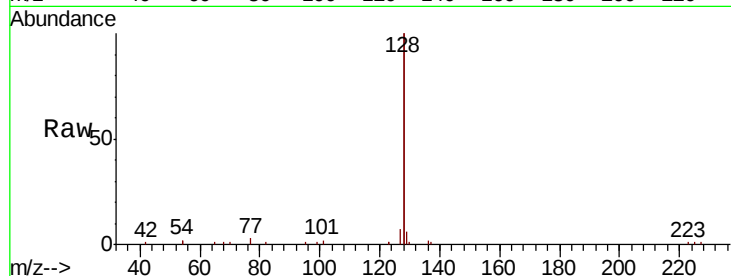
Tot Ion:128 Resp: 27317

Ion Ratio Lower Upper

128 100

129 3.1 2.4 3.6

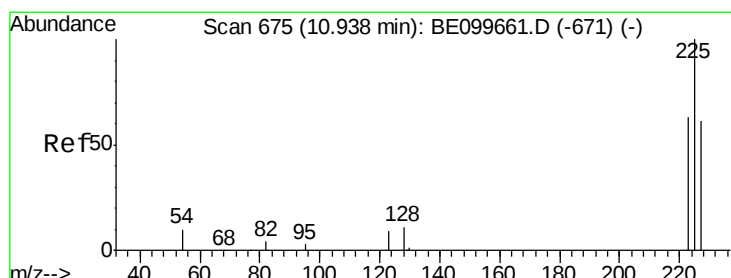
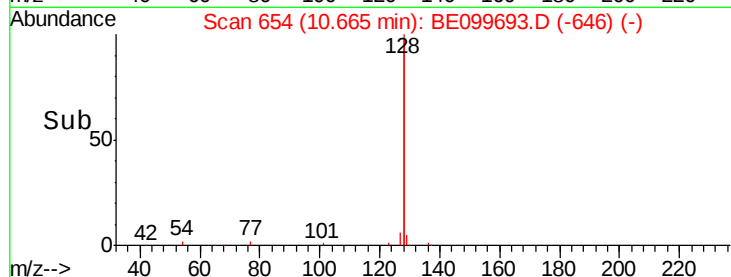
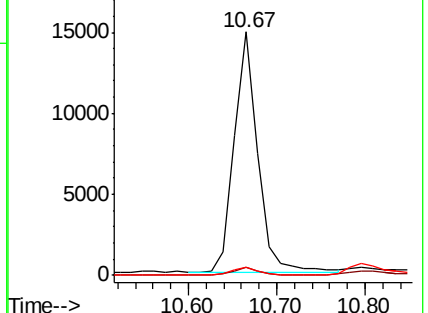
127 3.4 2.9 4.3



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: 0.364 ng

RT: 10.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

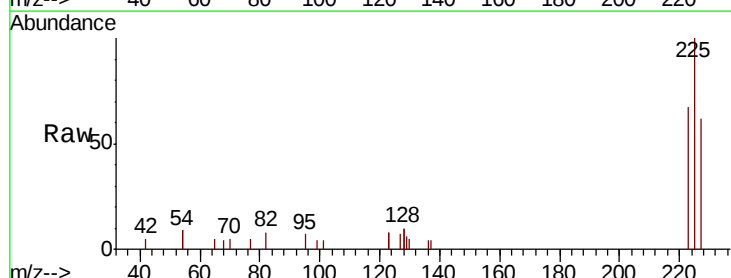
Tgt Ion:225 Resp: 2027

Ion Ratio Lower Upper

225 100

223 62.7 51.8 77.6

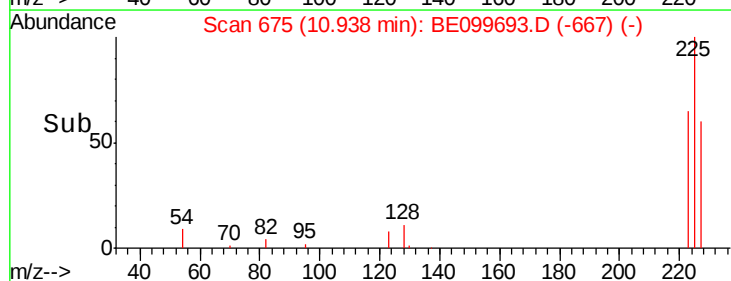
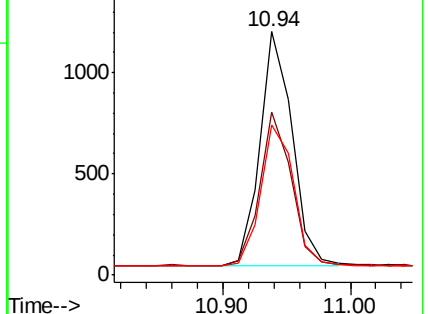
227 61.4 52.6 79.0

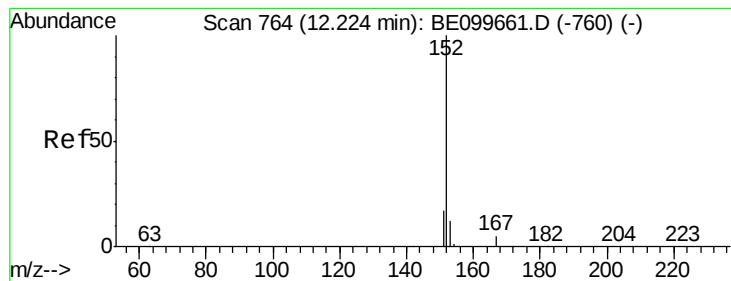


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

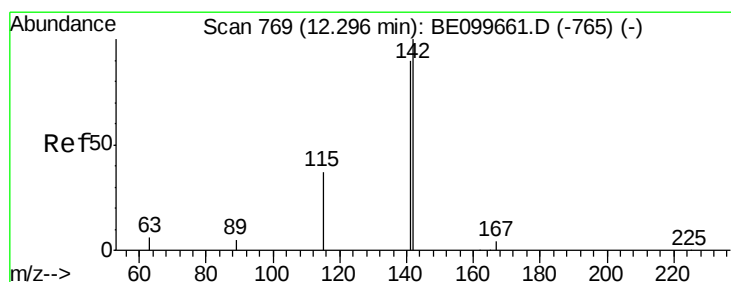
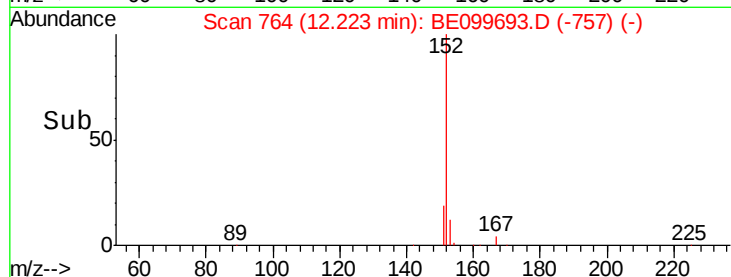
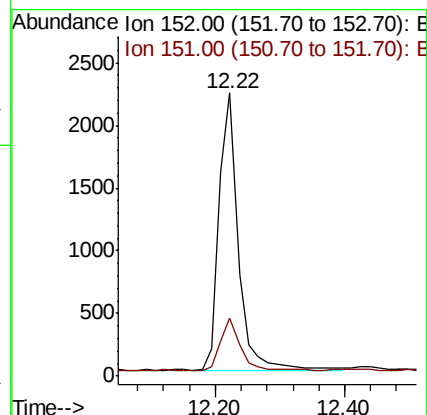
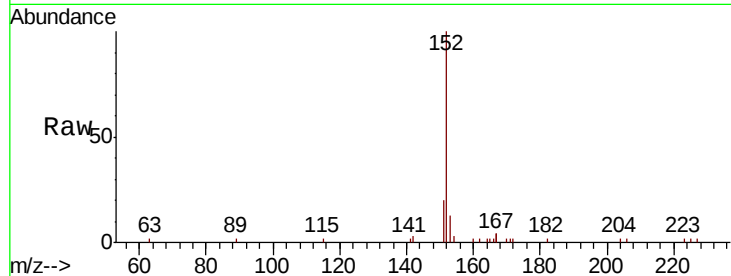




#11
 2-Methylnaphthalene-d10
 Concen: 0.376 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE099693.D
 Acq: 21 May 2019 17:31

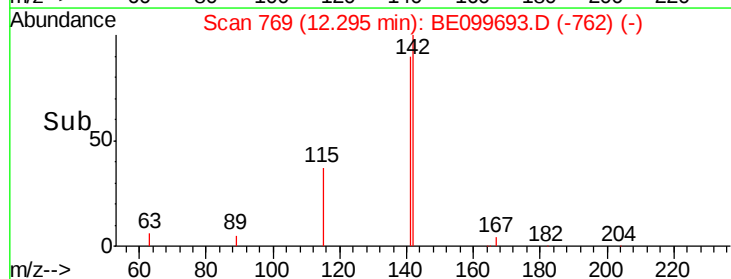
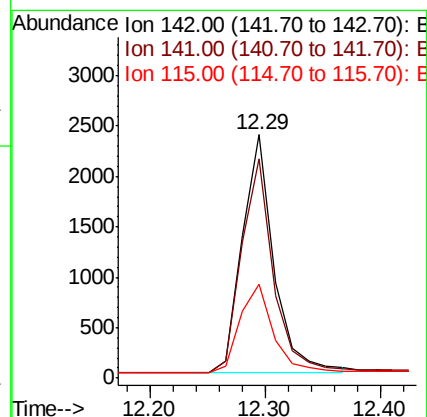
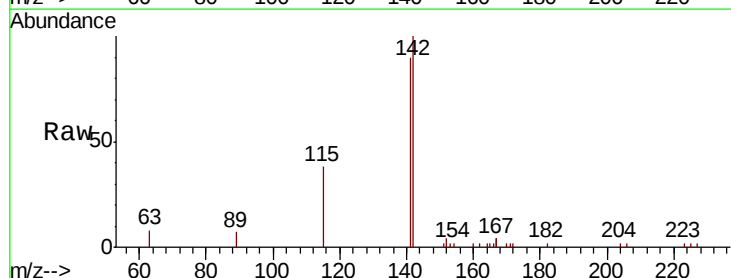
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 4583
 Ion Ratio Lower Upper
 152 100
 151 19.0 15.0 22.4



#12
 2-Methylnaphthalene
 Concen: 0.365 ng
 RT: 12.29 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BE099693.D
 Acq: 21 May 2019 17:31

Tgt Ion:142 Resp: 4501
 Ion Ratio Lower Upper
 142 100
 141 90.1 72.0 108.0
 115 38.5 31.0 46.4

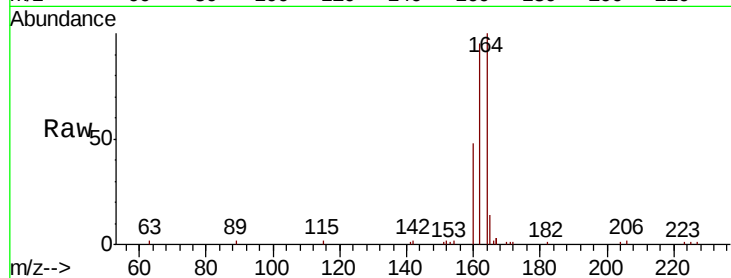




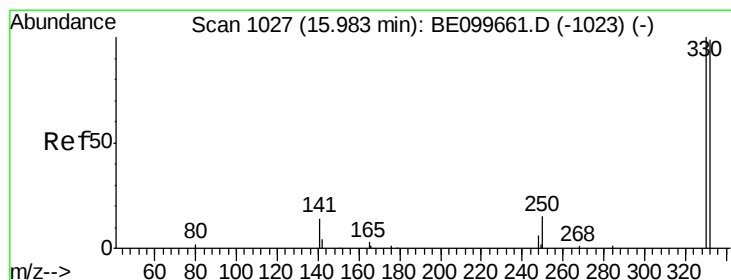
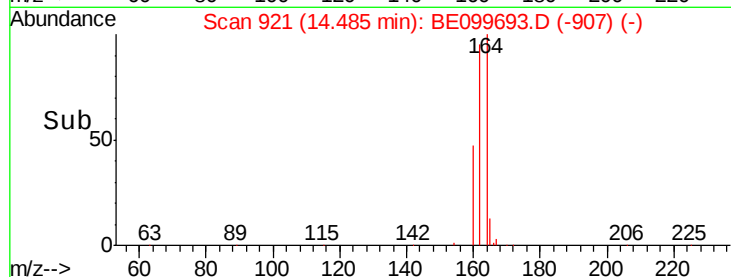
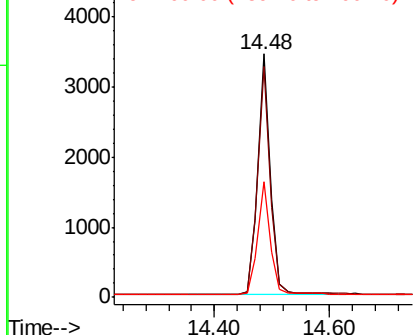
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099693.D
Acq: 21 May 2019 17:31

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 5303
Ion Ratio Lower Upper
164 100
162 94.9 76.5 114.7
160 47.7 37.4 56.2

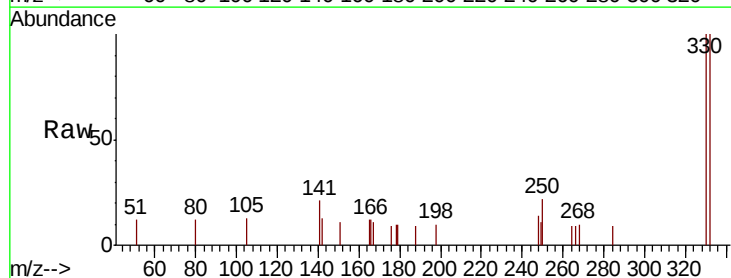


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

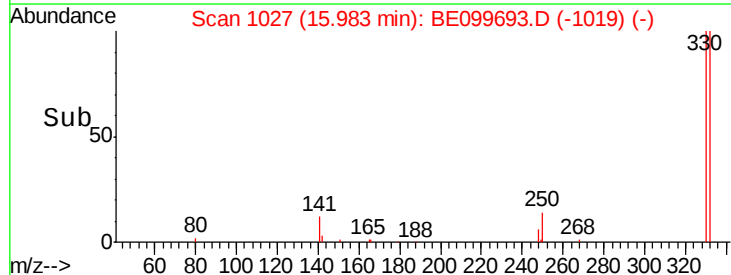
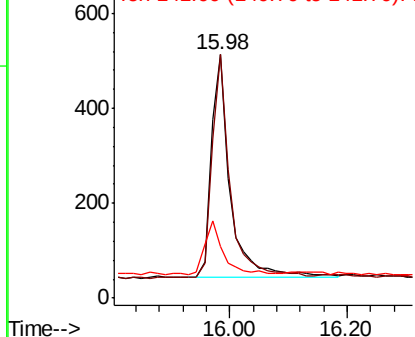


#14
2,4,6-Tribromophenol
Concen: 0.395 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099693.D
Acq: 21 May 2019 17:31

Tgt Ion:330 Resp: 1064
Ion Ratio Lower Upper
330 100
332 94.9 77.3 115.9
141 23.4 18.9 28.3



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

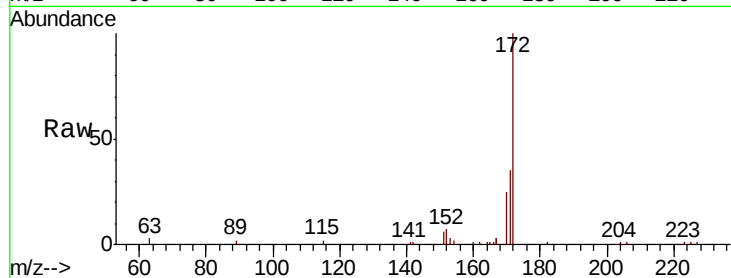




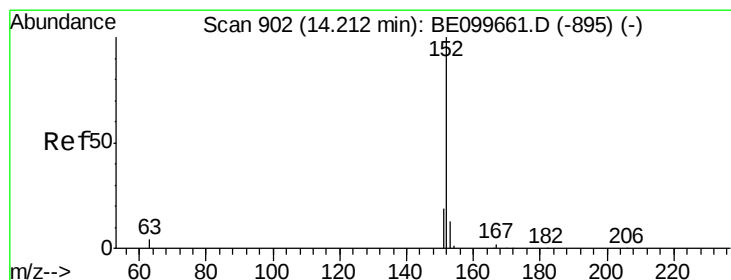
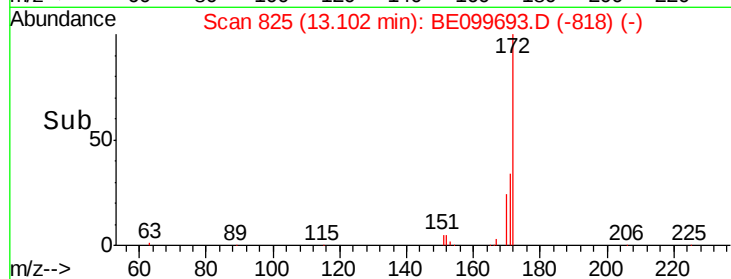
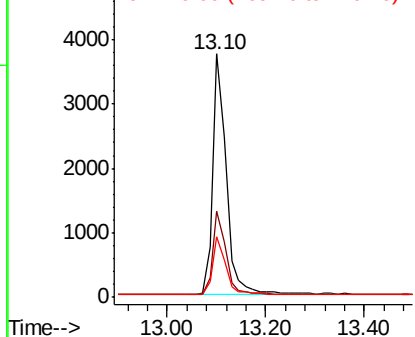
#15
2-Fluorobiphenyl
Concen: 0.349 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099693.D
Acq: 21 May 2019 17:31

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 7016
Ion Ratio Lower Upper
172 100
171 35.3 28.7 43.1
170 24.9 20.9 31.3

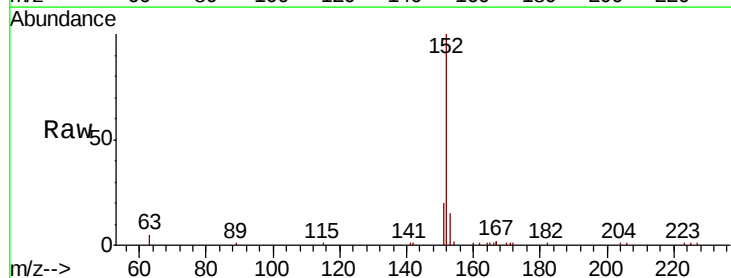


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

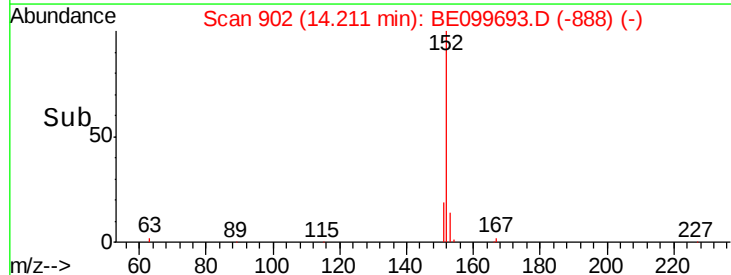
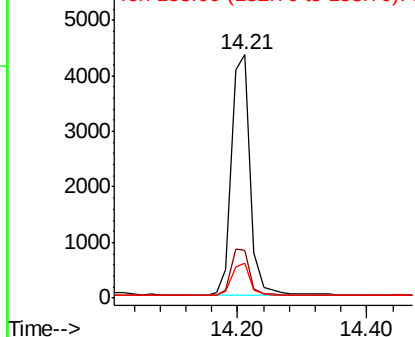


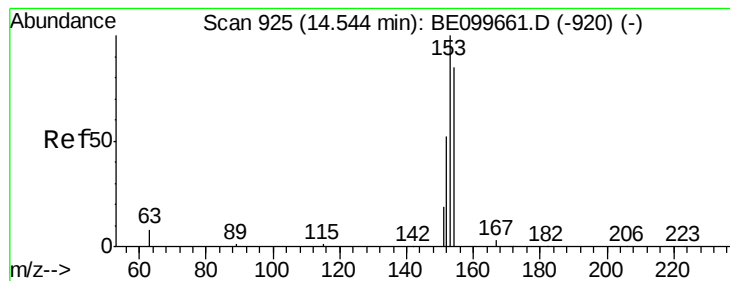
#16
Acenaphthylene
Concen: 0.352 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099693.D
Acq: 21 May 2019 17:31

Tgt Ion:152 Resp: 8704
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.2 10.6 16.0



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: 0.353 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

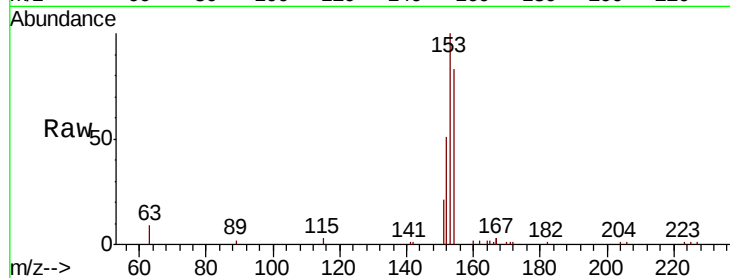
Instrument :

BNA_E

ClientSampleId :

Tot Ion:154 Resp: 4897

Ion	Ratio	Lower	Upper
154	100		
153	117.3	91.8	137.6
152	57.2	46.0	69.0

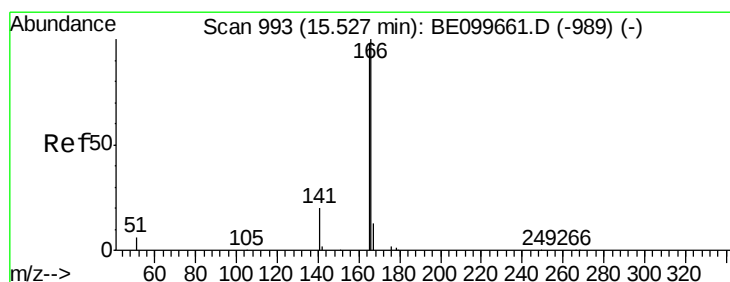
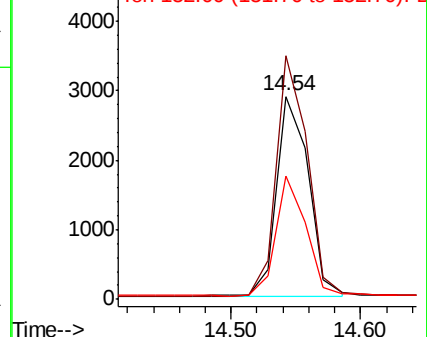
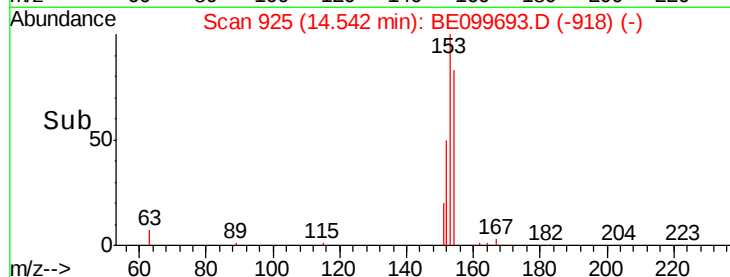


Abundance

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: 0.342 ng

RT: 15.53 min Scan# 993

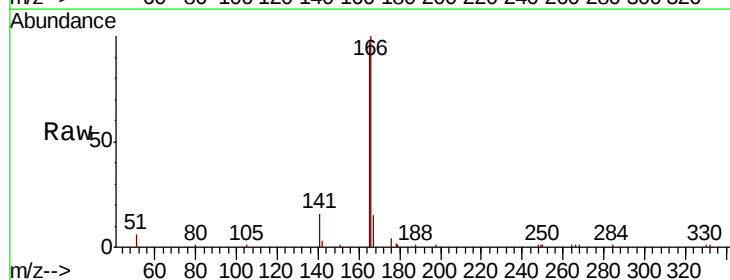
Delta R.T. 0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

Tgt Ion:166 Resp: 6984

Ion	Ratio	Lower	Upper
166	100		
165	100.8	80.3	120.5
167	13.4	10.6	16.0

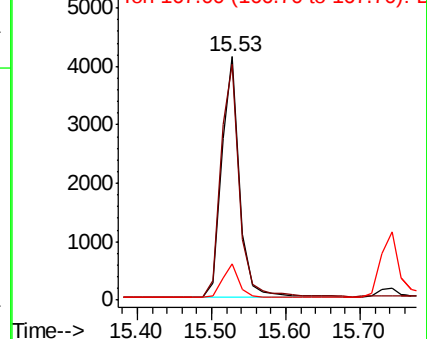
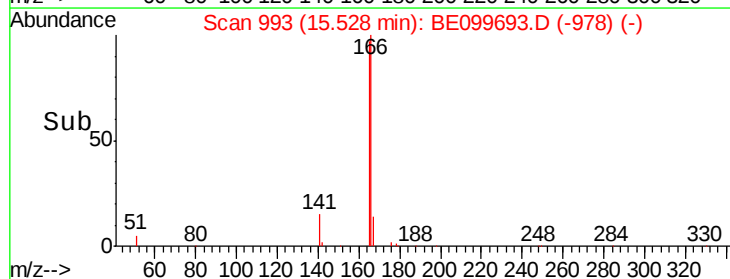


Abundance

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: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

Instrument :

BNA_E

ClientSampleId :

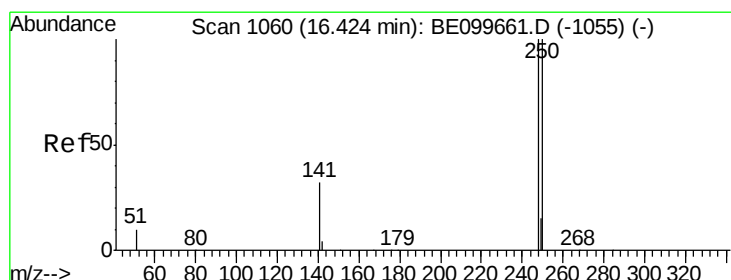
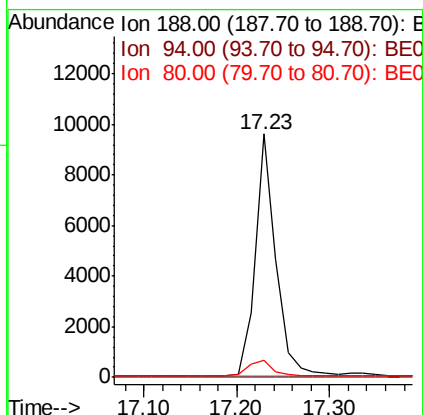
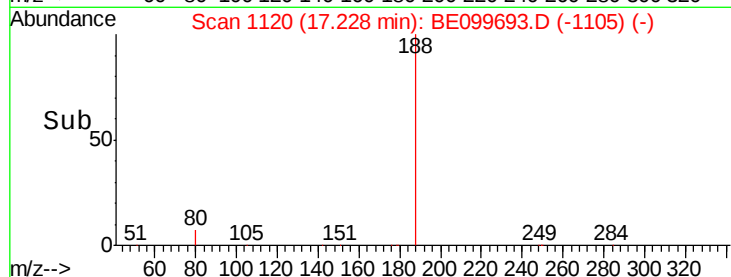
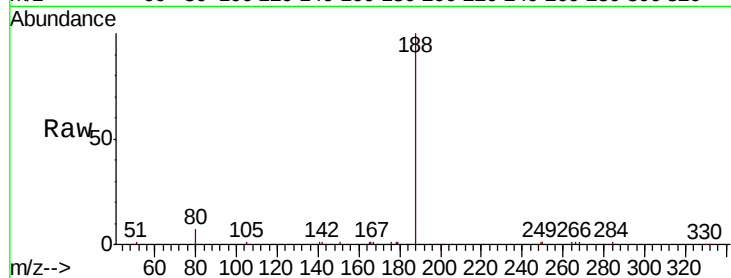
Tot Ion:188 Resp: 14831

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.2 6.7 10.1



#20

4-Bromophenyl-phenylether

Concen: 0.362 ng

RT: 16.43 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

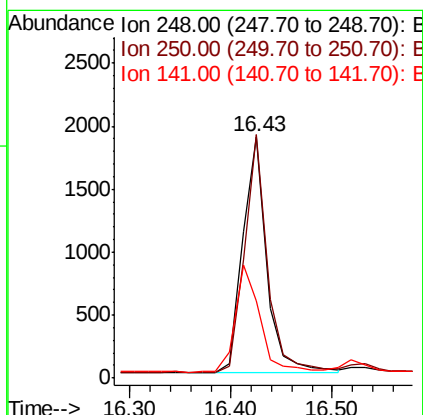
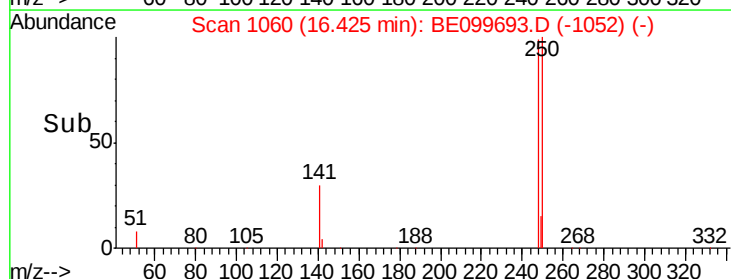
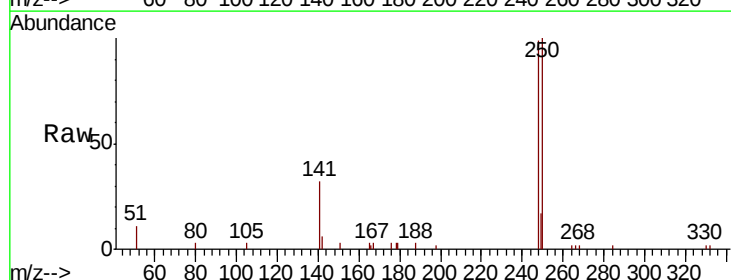
Tgt Ion:248 Resp: 3095

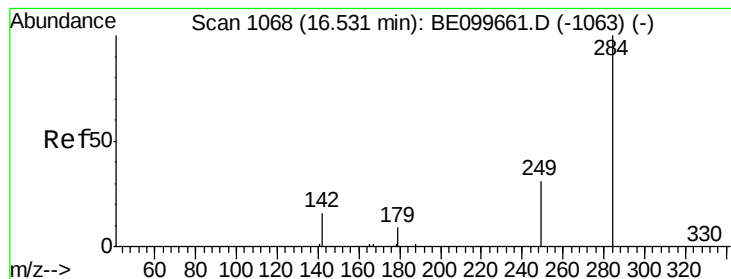
Ion Ratio Lower Upper

248 100

250 100.8 79.8 119.8

141 32.1 27.0 40.6





#21

Hexachlorobenzene

Concen: 0.375 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

Instrument :

BNA_E

ClientSampleId :

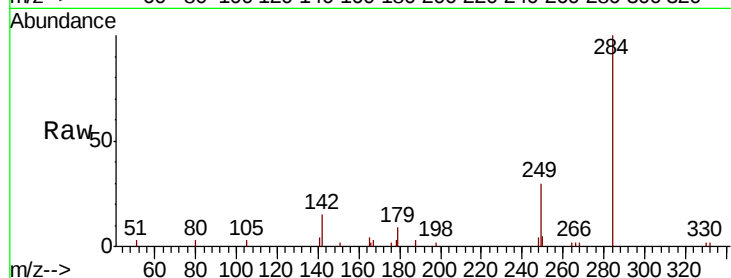
Tot Ion:284 Resp: 3279

Ion Ratio Lower Upper

284 100

142 21.8 17.8 26.6

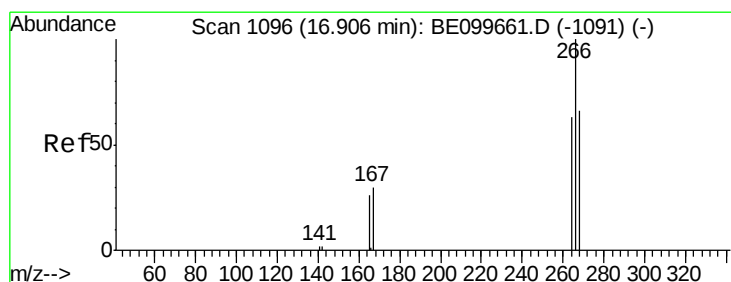
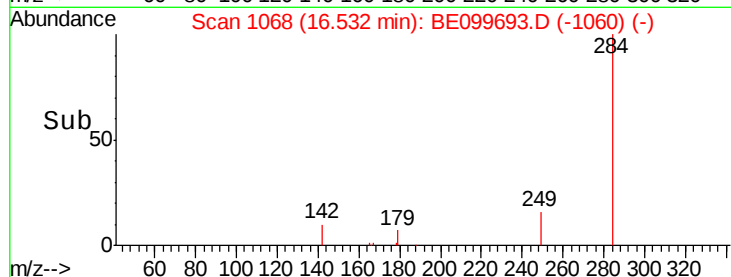
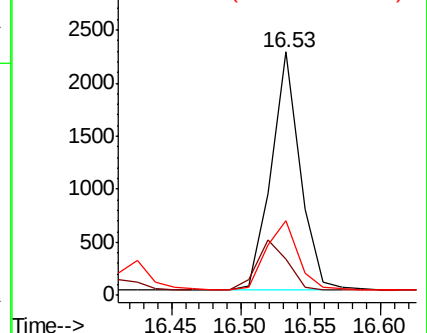
249 31.1 24.8 37.2



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: 0.425 ng

RT: 16.92 min Scan# 1097

Delta R.T. 0.01 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

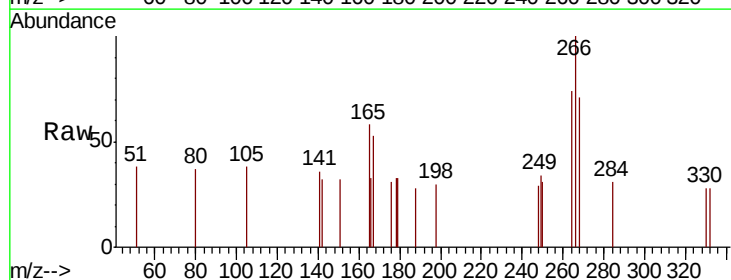
Tgt Ion:266 Resp: 659

Ion Ratio Lower Upper

266 100

264 74.1 57.2 85.8

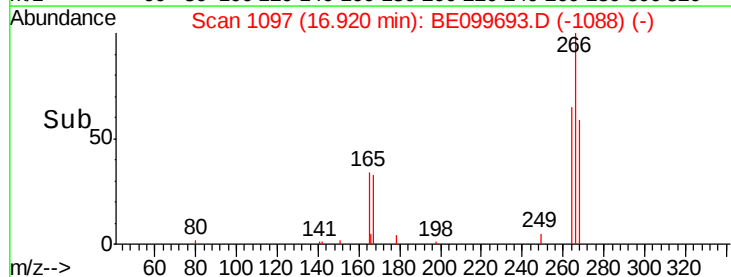
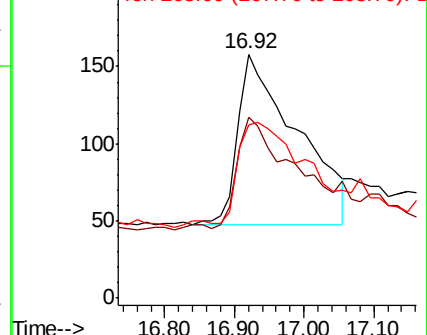
268 70.9 60.5 90.7



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

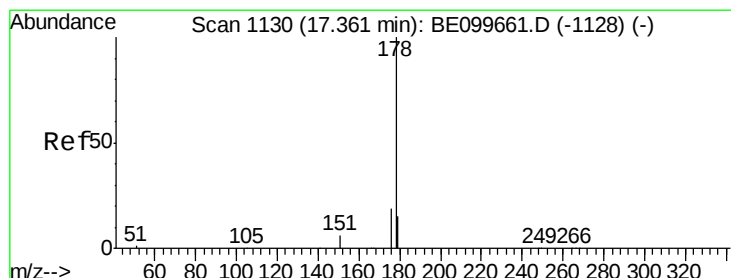
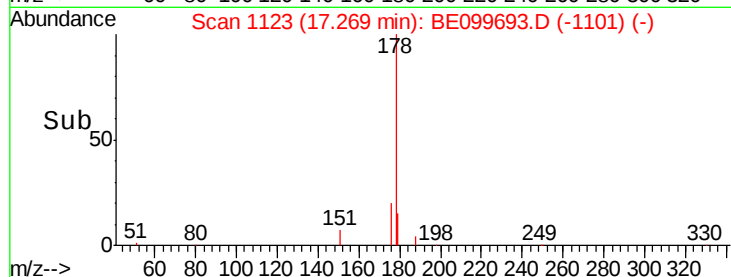
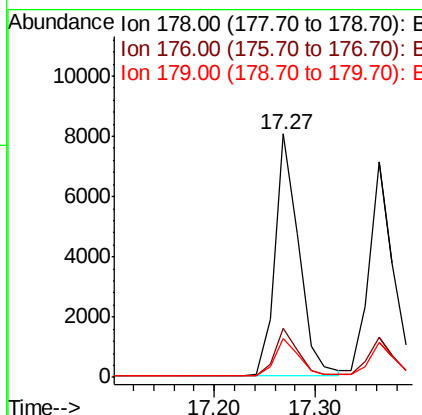
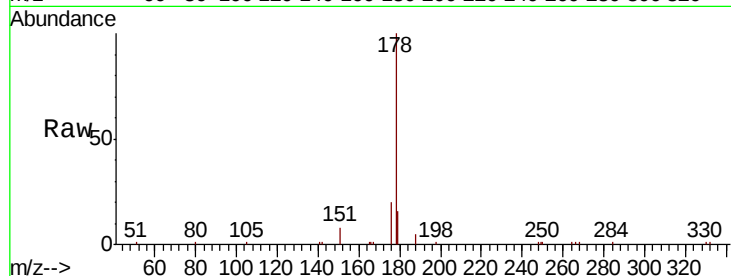




#23
Phenanthrene
Concen: 0.358 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE099693.D
Acq: 21 May 2019 17:31

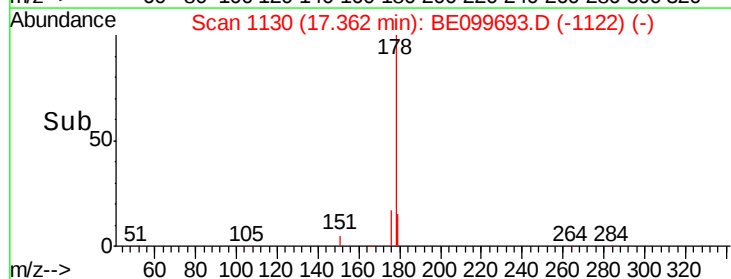
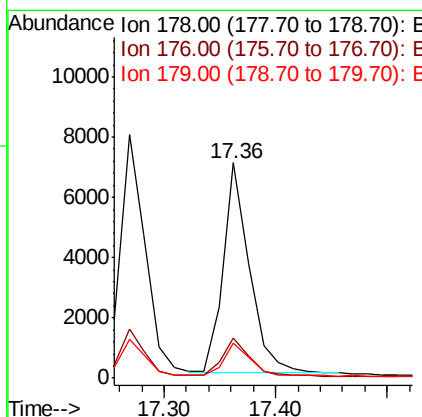
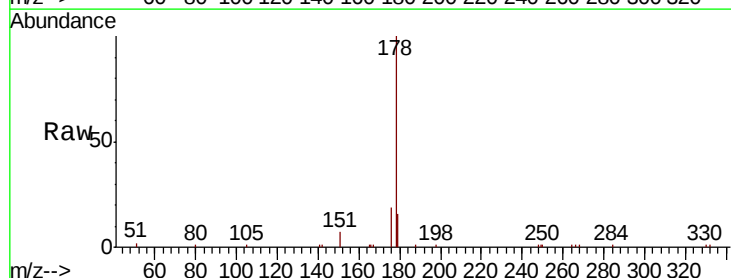
Instrument :
BNA_E
ClientSampled :

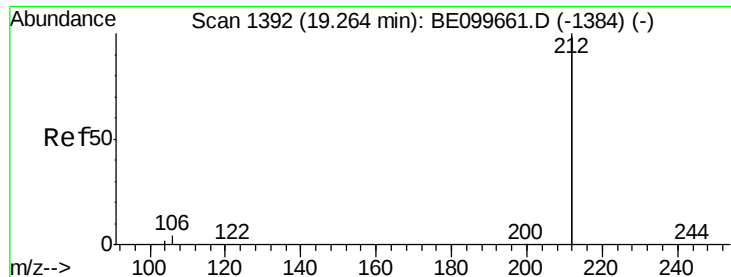
Tot Ion:178 Resp: 12982
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.4 12.2 18.4



#24
Anthracene
Concen: 0.350 ng
RT: 17.36 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BE099693.D
Acq: 21 May 2019 17:31

Tgt Ion:178 Resp: 11520
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 15.3 12.0 18.0





#25

Fluoranthene-d10

Concen: 0.336 ng

RT: 19.26 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

Instrument :

BNA_E

ClientSampleId :

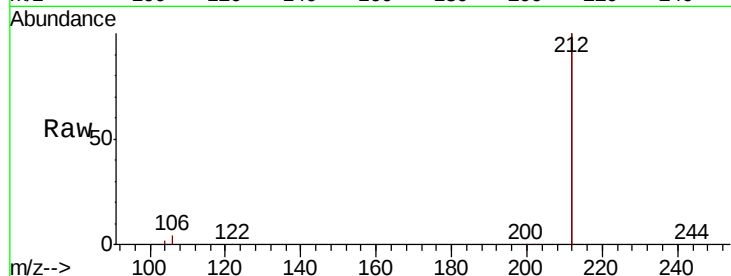
Tot Ion:212 Resp: 68001

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

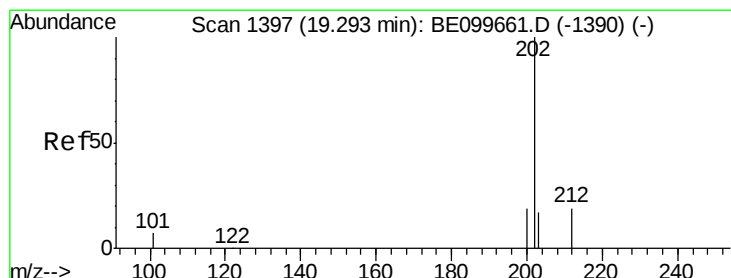
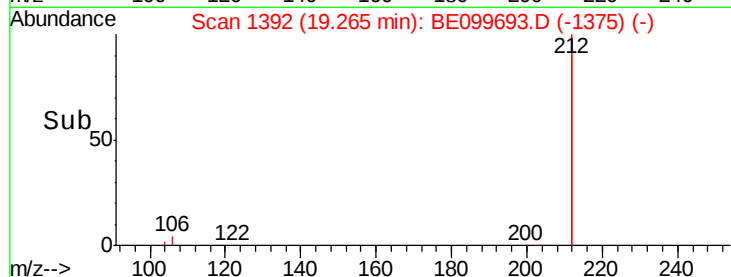
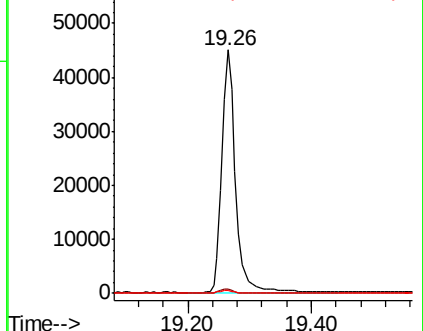
104 1.1 0.8 1.2



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: 0.338 ng

RT: 19.29 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

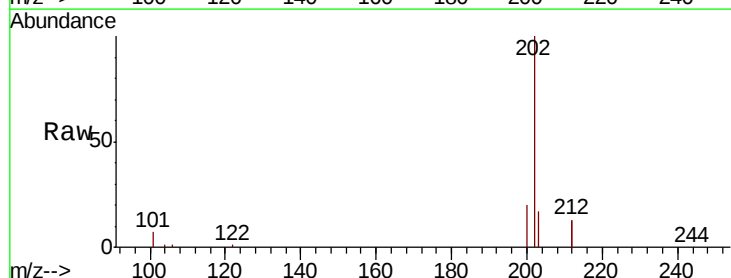
Tgt Ion:202 Resp: 19340

Ion Ratio Lower Upper

202 100

101 6.8 5.2 7.8

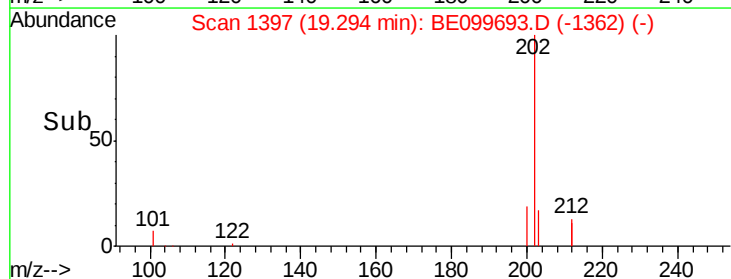
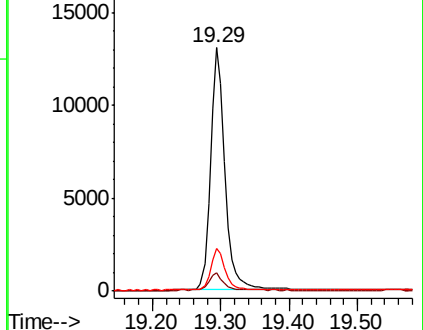
203 17.0 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

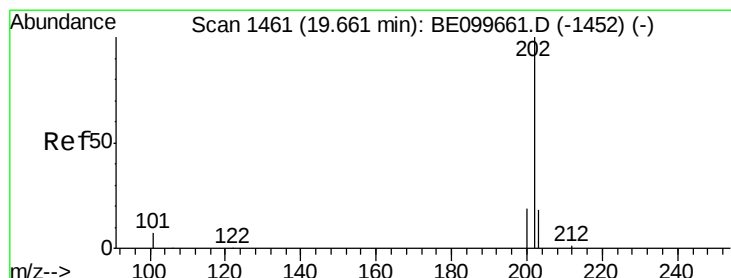
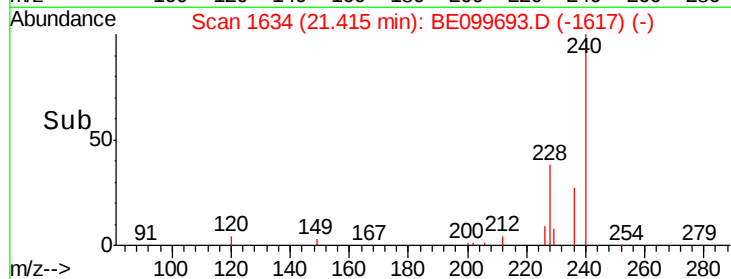
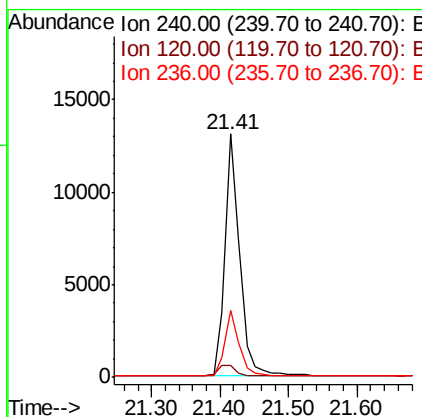
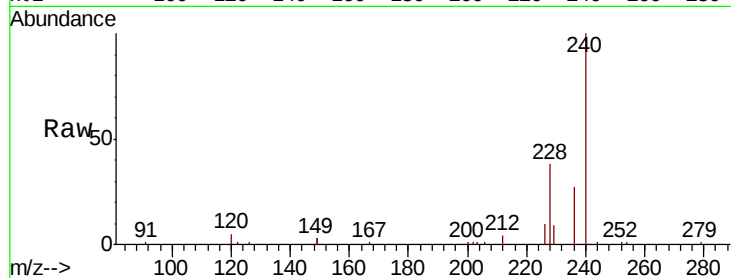




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: BE099693.D
 Acq: 21 May 2019 17:31

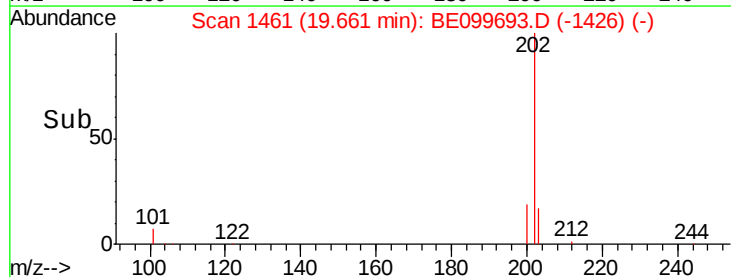
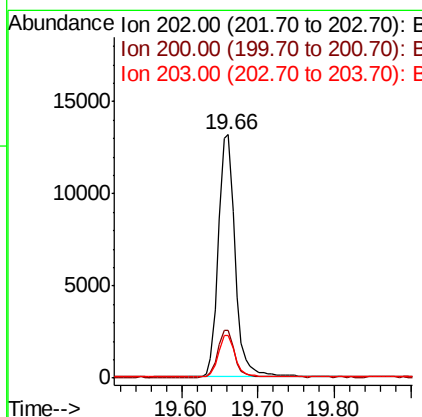
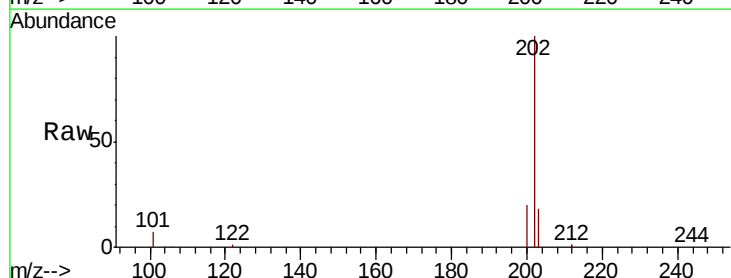
Instrument :
 BNA_E
 ClientSampleId :

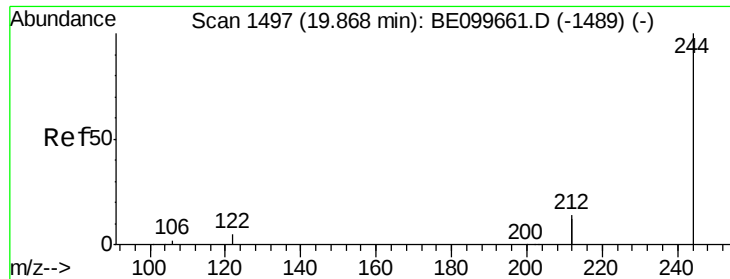
Tot Ion:240 Resp: 19786
 Ion Ratio Lower Upper
 240 100
 120 5.0 5.4 8.0#
 236 27.4 21.7 32.5



#28
 Pyrene
 Concen: 0.405 ng
 RT: 19.66 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: BE099693.D
 Acq: 21 May 2019 17:31

Tgt Ion:202 Resp: 20127
 Ion Ratio Lower Upper
 202 100
 200 19.3 15.4 23.2
 203 17.2 13.8 20.8





#29

Terphenyl-d14

Concen: 0.383 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

Instrument :

BNA_E

ClientSampleId :

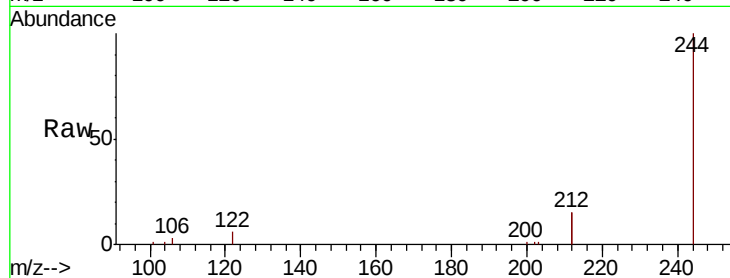
Tot Ion:244 Resp: 13526

Ion Ratio Lower Upper

244 100

212 29.1 22.5 33.7

122 6.2 4.3 6.5

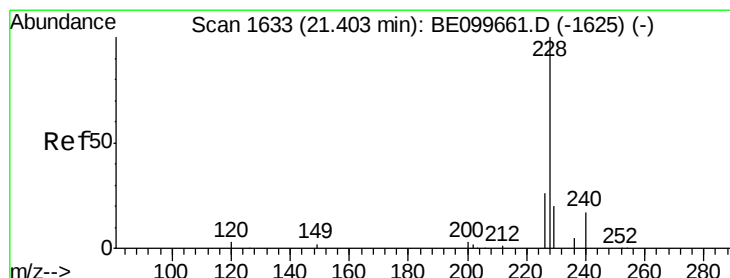
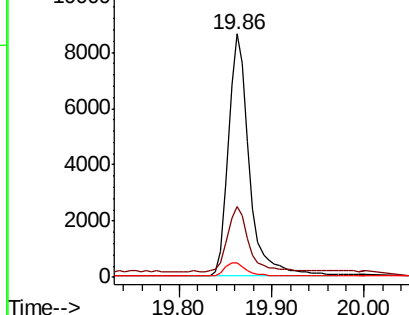
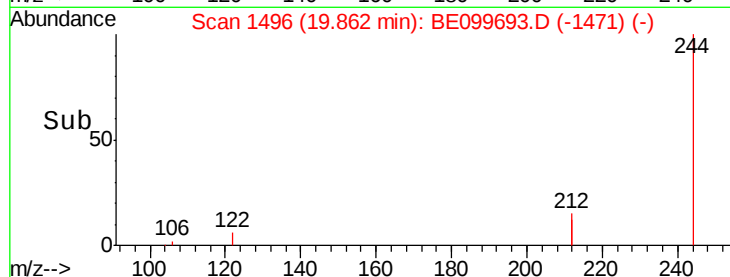


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.406 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

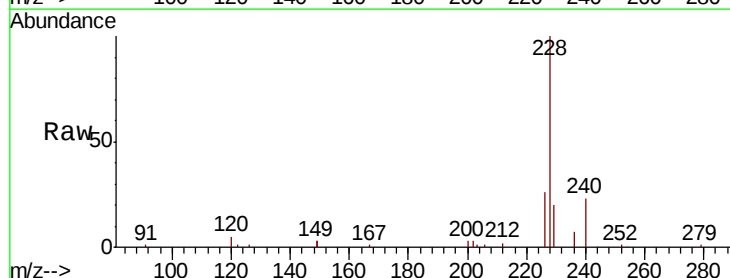
Tgt Ion:228 Resp: 22839

Ion Ratio Lower Upper

228 100

226 26.3 21.3 31.9

229 20.4 16.1 24.1

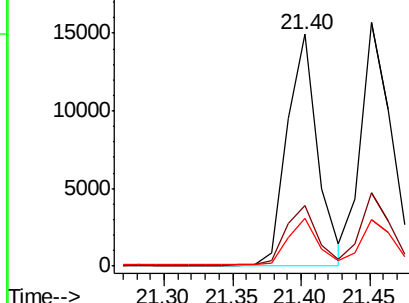
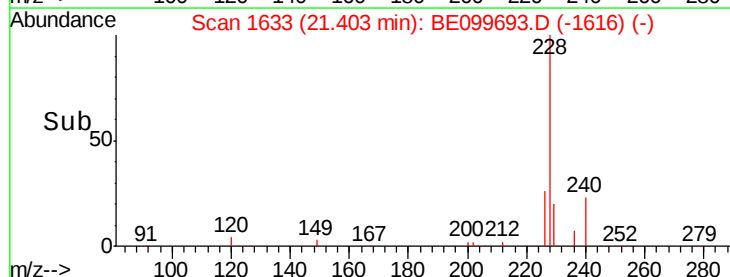


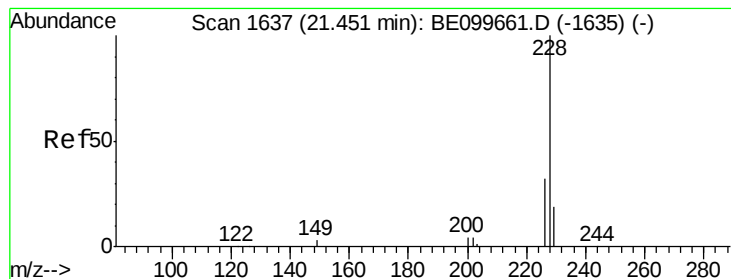
Abundance

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: 0.400 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

Instrument :

BNA_E

ClientSampleId :

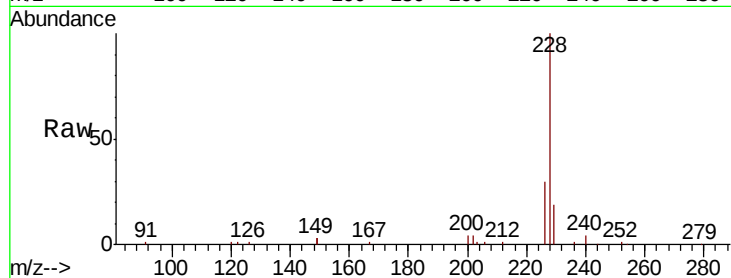
Tot Ion:228 Resp: 24020

Ion Ratio Lower Upper

228 100

226 30.1 24.7 37.1

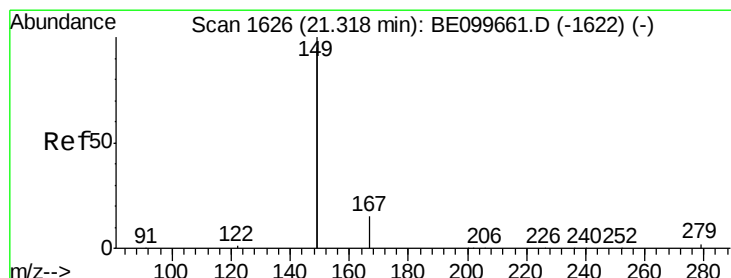
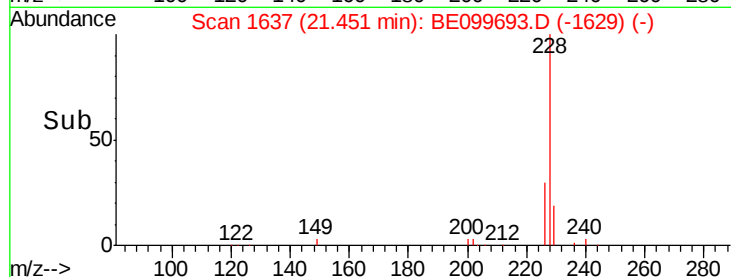
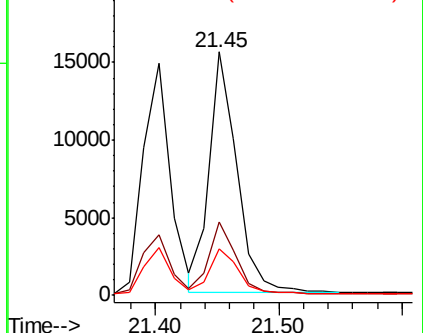
229 19.4 15.8 23.6



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: 0.486 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

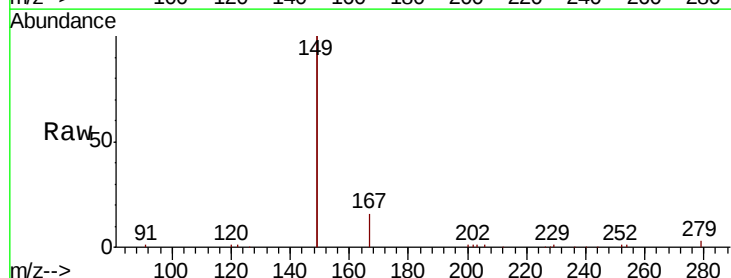
Tgt Ion:149 Resp: 31471

Ion Ratio Lower Upper

149 100

167 7.5 6.2 9.4

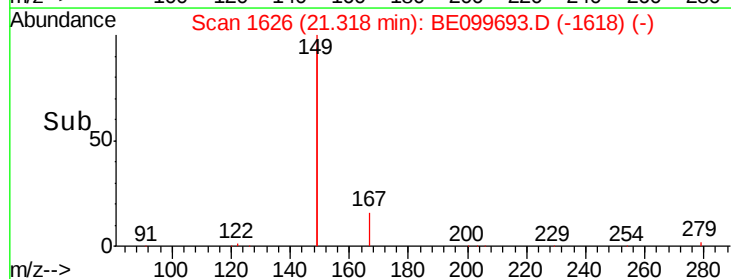
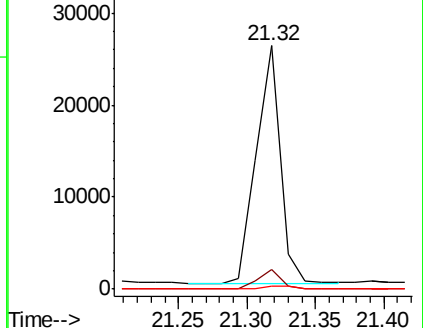
279 1.5 1.2 1.8

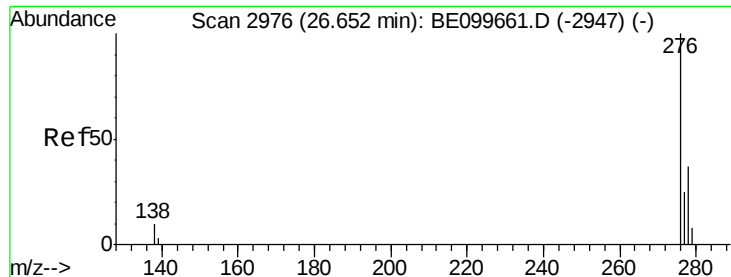


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

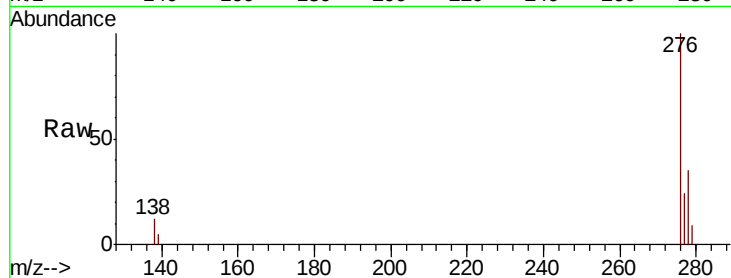




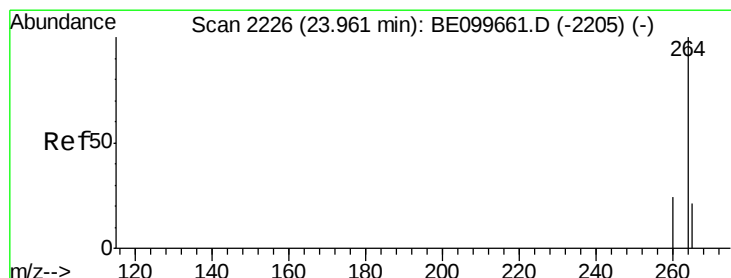
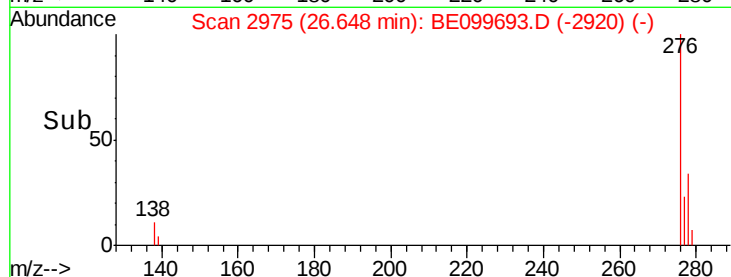
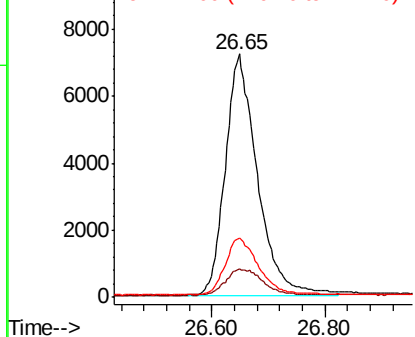
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.389 ng
 RT: 26.65 min Scan# 2975
 Delta R.T. -0.00 min
 Lab File: BE099693.D
 Acq: 21 May 2019 17:31

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 28257
 Ion Ratio Lower Upper
 276 100
 138 5.9 9.6 14.4#
 277 24.5 19.2 28.8

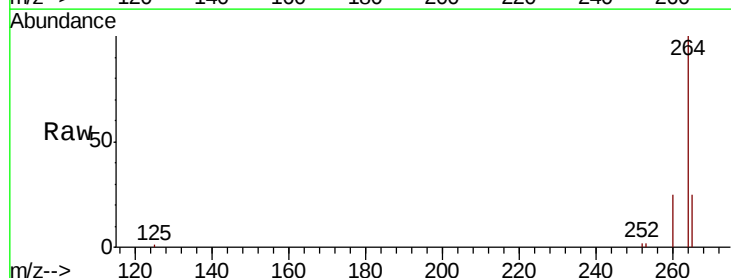


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

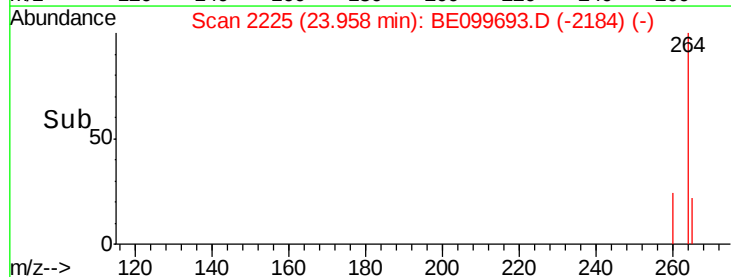
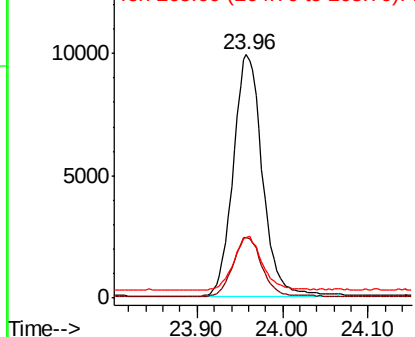


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BE099693.D
 Acq: 21 May 2019 17:31

Tgt Ion:264 Resp: 23611
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.6 29.4
 265 25.0 19.1 28.7



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: 0.369 ng

RT: 23.22 min Scan# 2019

Delta R.T. 0.05 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

Instrument :

BNA_E

ClientSampleId :

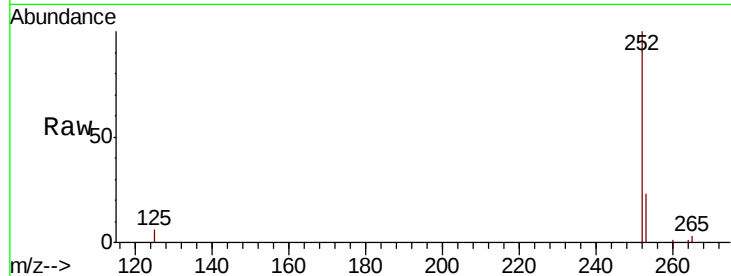
Tot Ion:252 Resp: 23862

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.4

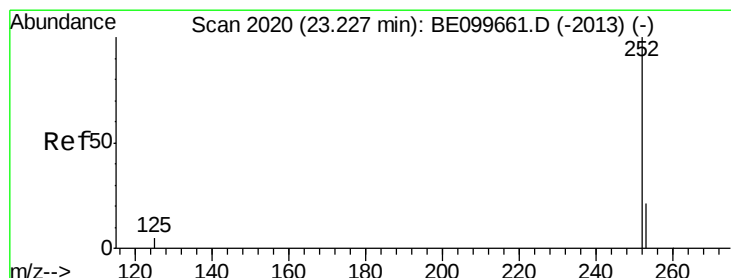
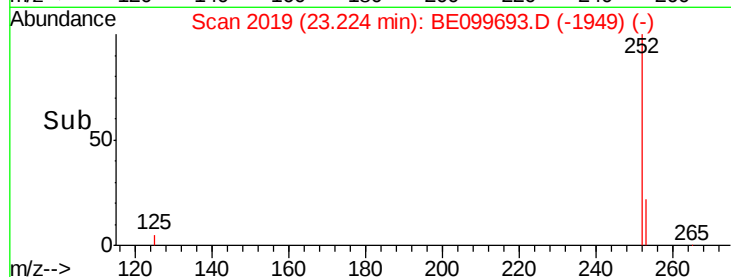
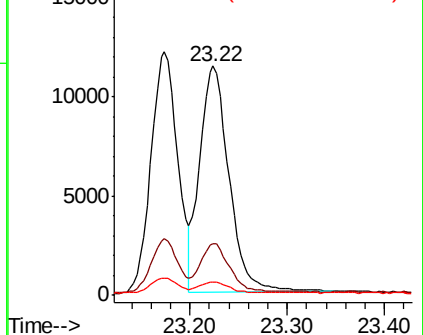
125 5.8 4.5 6.7



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



#36

Benzo(k)fluoranthene

Concen: 0.357 ng

RT: 23.22 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

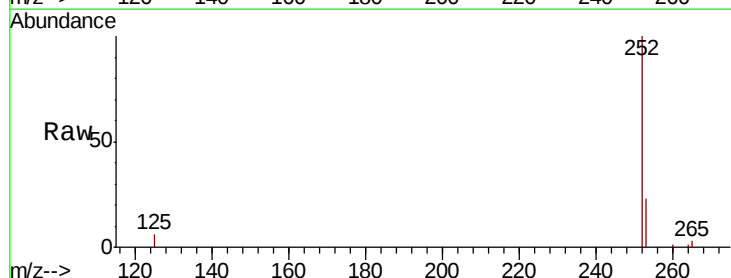
Tgt Ion:252 Resp: 24060

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

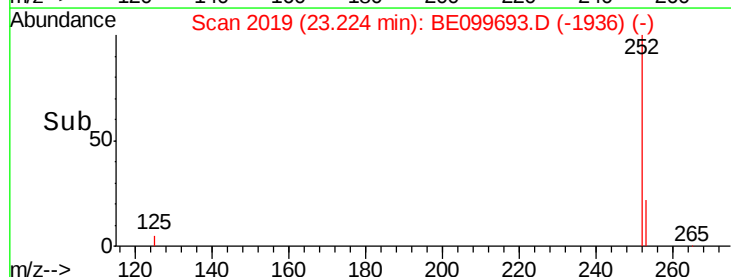
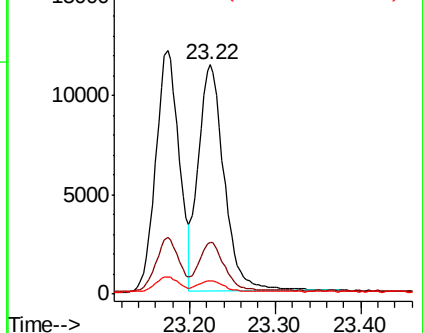
125 5.8 4.6 6.8



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





#37

Benzo(a)pyrene

Concen: 0.360 ng

RT: 23.84 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

Instrument :

BNA_E

ClientSampleId :

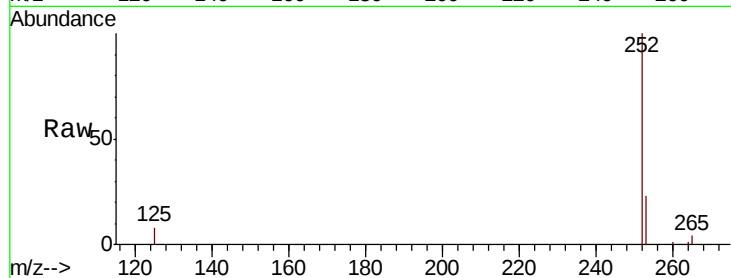
Tot Ion:252 Resp: 22408

Ion Ratio Lower Upper

252 100

253 23.2 18.9 28.3

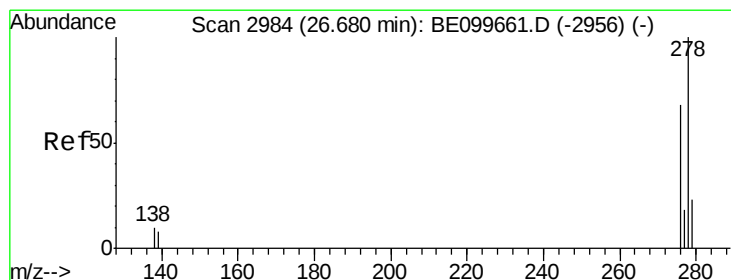
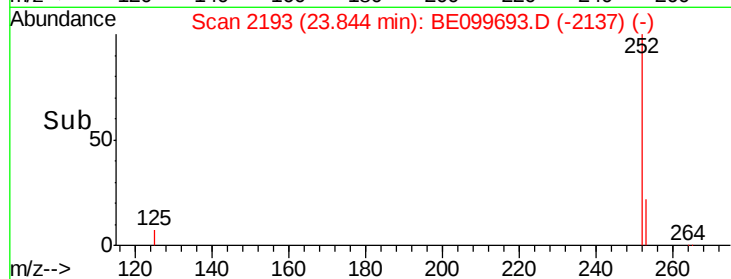
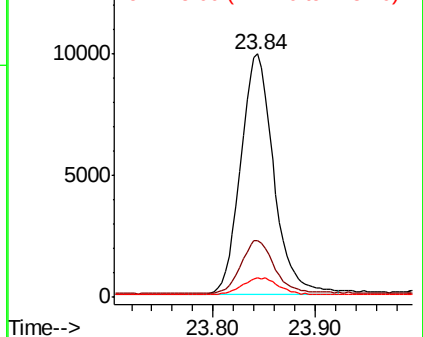
125 8.1 5.4 8.0#



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: 0.350 ng

RT: 26.68 min Scan# 2984

Delta R.T. 0.00 min

Lab File: BE099693.D

Acq: 21 May 2019 17:31

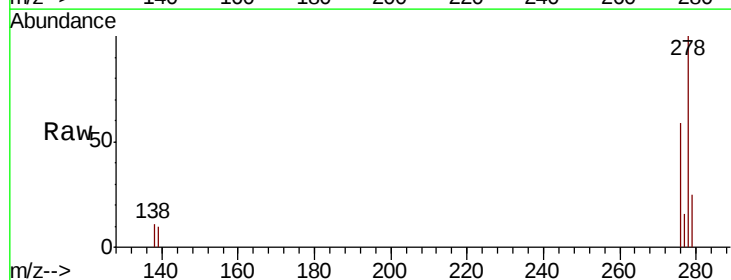
Tgt Ion:278 Resp: 22874

Ion Ratio Lower Upper

278 100

139 9.7 6.9 10.3

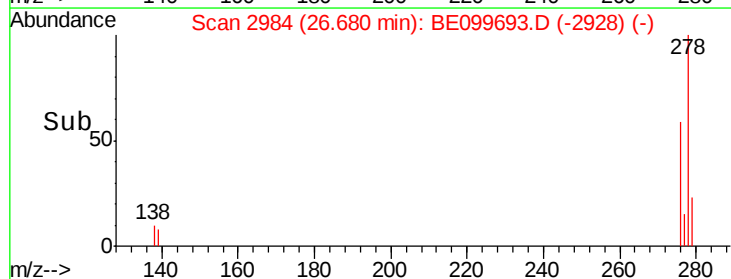
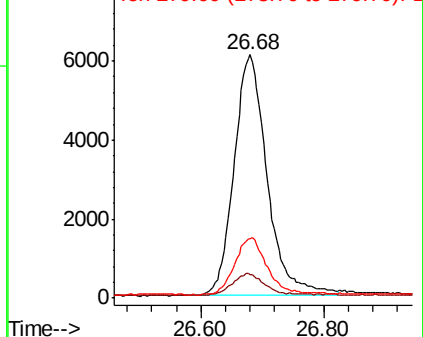
279 24.5 19.2 28.8

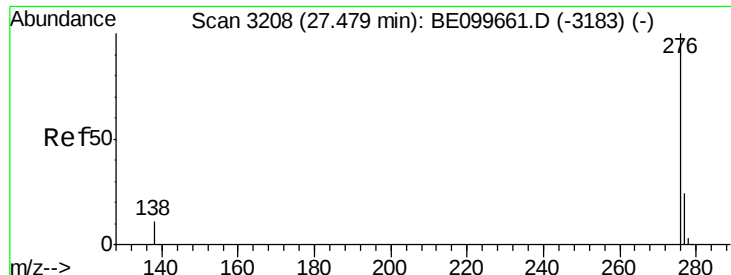


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.355 ng

RT: 27.48 min Scan# 3208

Delta R.T. 0.00 min

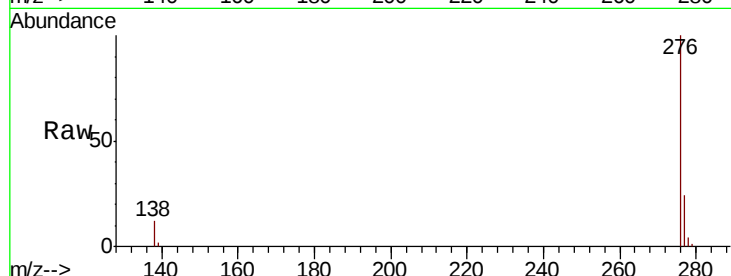
Lab File: BE099693.D

Acq: 21 May 2019 17:31

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 23437

Ion Ratio Lower Upper

276 100

277 24.5 19.8 29.6

138 11.8 9.2 13.8

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

