

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
 Data File : BE099486.D
 Acq On : 2 May 2019 5:11
 Operator : JU/SJ
 Sample : K2569-03MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW027-042319MSD

Quant Time: May 02 07:45:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 29 18:36:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1952	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	7088	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5068	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	16156	0.40	ng	0.00
27) Chrysene-d12	21.37	240	22598	0.40	ng	0.00
34) Perylene-d12	23.87	264	25965	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	1628	0.30	ng	0.00
5) Phenol-d6	6.97	99	2324	0.32	ng	0.00
8) Nitrobenzene-d5	8.96	82	2006	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	4683	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	996	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	4773	0.25	ng	-0.02
25) Fluoranthene-d10	19.22	212	55345	0.25	ng	0.00
29) Terphenyl-d14	19.81	244	12056	0.29	ng	0.00

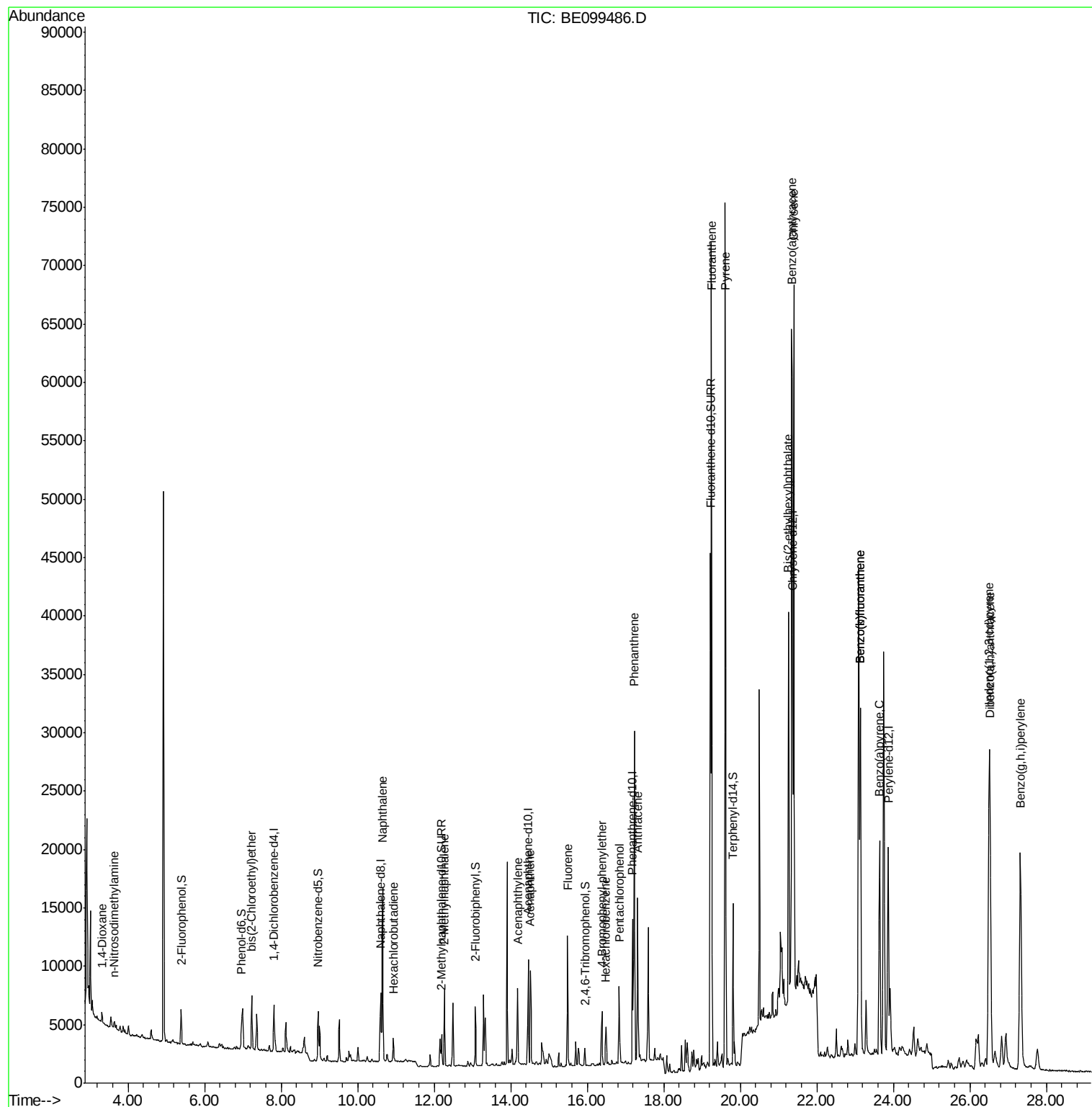
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	586	0.218	ng	# 85
3) n-Nitrosodimethylamine	3.64	42	473	0.292	ng	# 95
6) bis(2-Chloroethyl)ether	7.23	93	1766	0.285	ng	99
9) Naphthalene	10.65	128	24362	0.315	ng	100
10) Hexachlorobutadiene	10.93	225	1416	0.264	ng	98
12) 2-Methylnaphthalene	12.27	142	4286	0.319	ng	96
16) Acenaphthylene	14.18	152	9717	0.392	ng	99
17) Acenaphthene	14.51	154	4176	0.295	ng	98
18) Fluorene	15.49	166	6578	0.315	ng	98
20) 4-Bromophenyl-phenylether	16.38	248	2463	0.262	ng	90
21) Hexachlorobenzene	16.49	284	2385	0.266	ng	99
22) Pentachlorophenol	16.84	266	3500	0.865	ng	97
23) Phenanthrene	17.23	178	28174	0.676	ng	100
24) Anthracene	17.32	178	14224	0.358	ng	98
26) Fluoranthene	19.25	202	63093	1.010	ng	100
28) Pyrene	19.61	202	67539	1.147	ng	97
30) Benzo(a)anthracene	21.34	228	53145	0.738	ng	97
31) Chrysene	21.40	228	57567	0.817	ng	99
32) Bis(2-ethylhexyl)phthalate	21.26	149	47023	0.391	ng	99
33) Indeno(1,2,3-cd)pyrene	26.51	276	52406	0.629	ng	98
35) Benzo(b)fluoranthene	23.14	252	39088	0.522	ng	97
36) Benzo(k)fluoranthene	23.14	252	39088	0.541	ng	# 97
37) Benzo(a)pyrene	23.64	252	29092	0.411	ng	96
38) Dibenzo(a,h)anthracene	26.53	278	27419	0.379	ng	# 97
39) Benzo(g,h,i)perylene	27.32	276	47861	0.660	ng	97

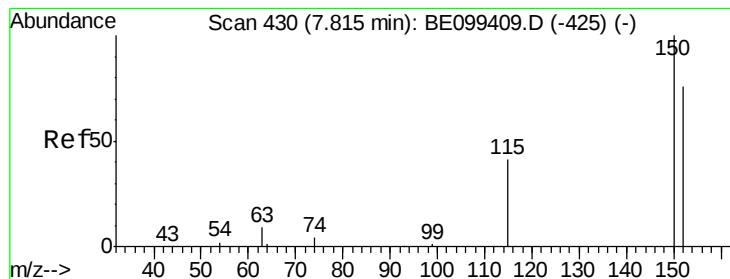
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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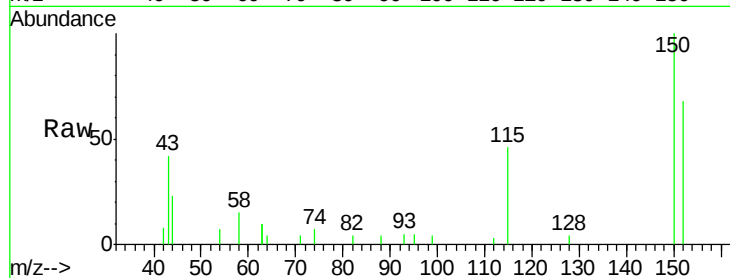




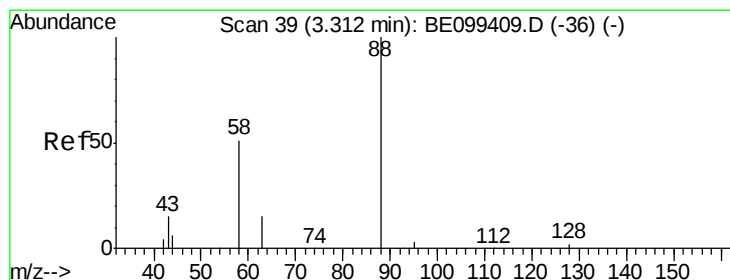
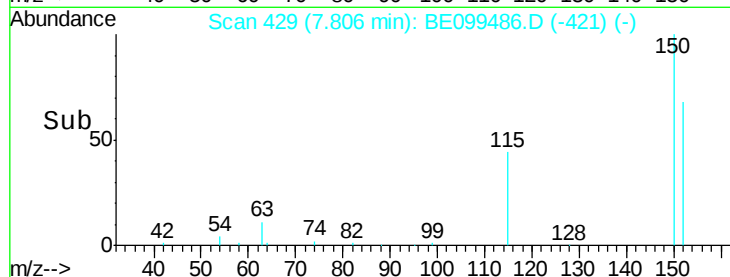
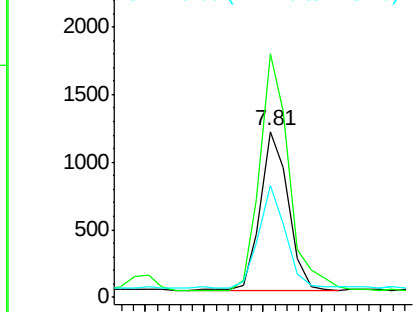
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.81 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: BE099486.D
 Acq: 2 May 2019 5:11

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW027-042319MSD

Tot Ion:152 Resp: 1952
 Ion Ratio Lower Upper
 152 100
 150 146.5 104.8 157.2
 115 67.5 46.6 69.8

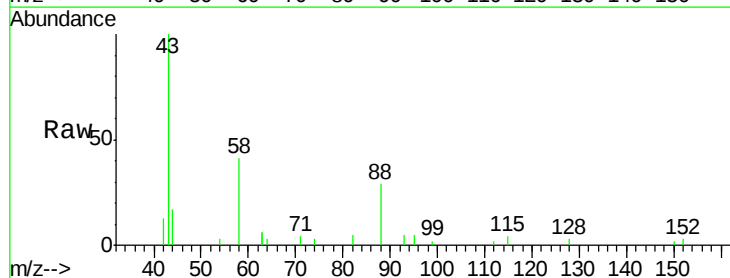


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

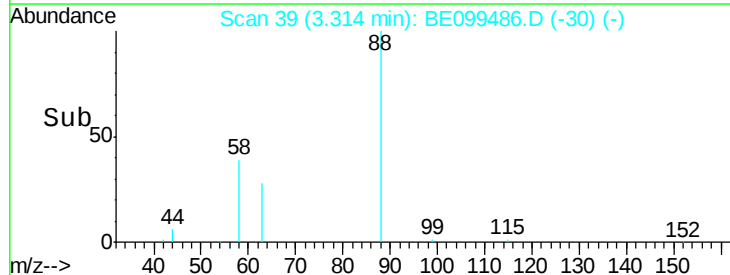
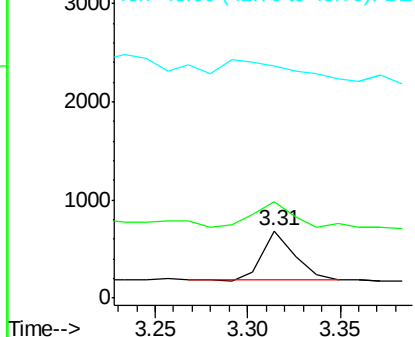


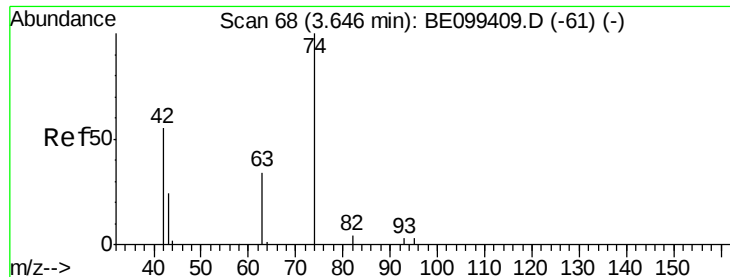
#2
 1,4-Dioxane
 Concen: 0.218 ng
 RT: 3.31 min Scan# 39
 Delta R.T. 0.00 min
 Lab File: BE099486.D
 Acq: 2 May 2019 5:11

Tgt Ion: 88 Resp: 586
 Ion Ratio Lower Upper
 88 100
 58 62.8 51.0 76.6
 43 0.0 20.6 30.8#



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: 0.292 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.01 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

Instrument :

BNA_E

ClientSampleId :

PST-023-SW027-042319MSD

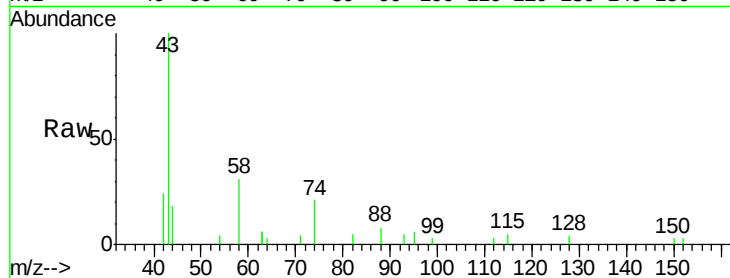
Tot Ion: 42 Resp: 473

Ion Ratio Lower Upper

42 100

74 184.4 141.6 212.4

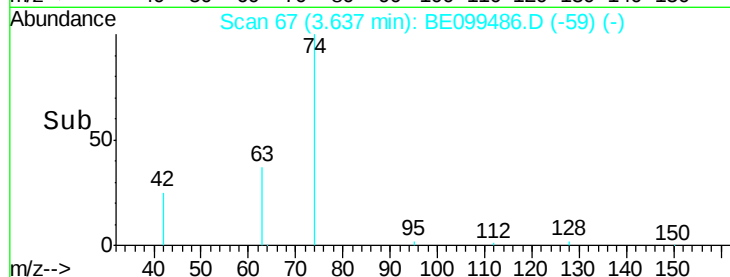
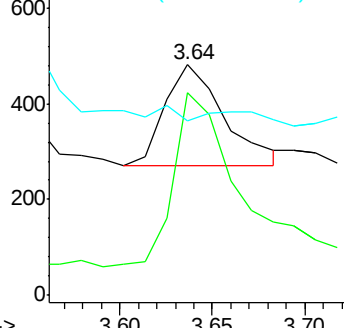
44 0.0 0.0 0.0



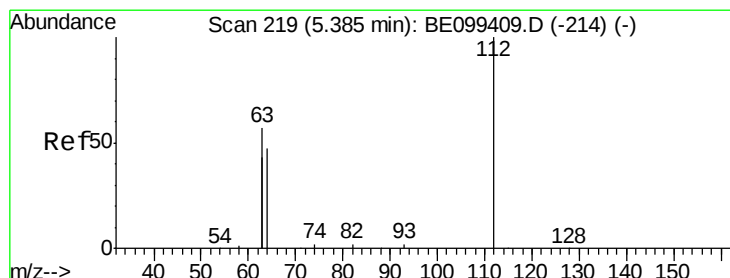
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 0.302 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

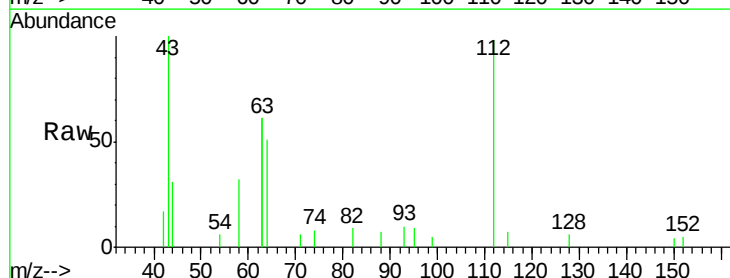
Tgt Ion: 112 Resp: 1628

Ion Ratio Lower Upper

112 100

64 57.1 47.4 71.0

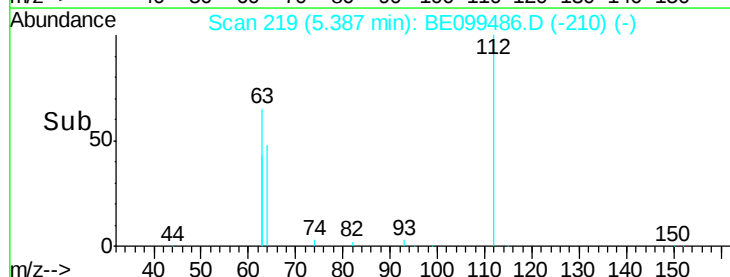
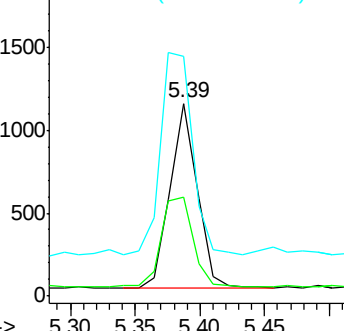
63 129.1 104.3 156.5

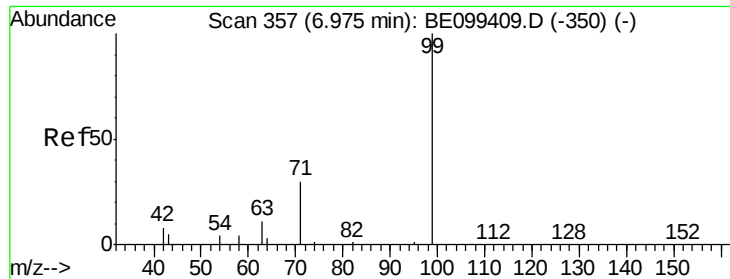


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.324 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

Instrument :

BNA_E

ClientSampleId :

PST-023-SW027-042319MSD

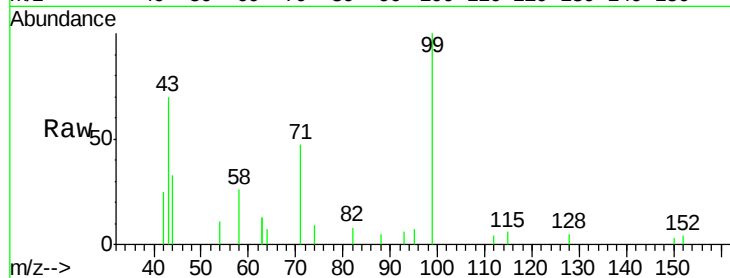
Tot Ion: 99 Resp: 2324

Ion Ratio Lower Upper

99 100

42 19.8 14.9 22.3

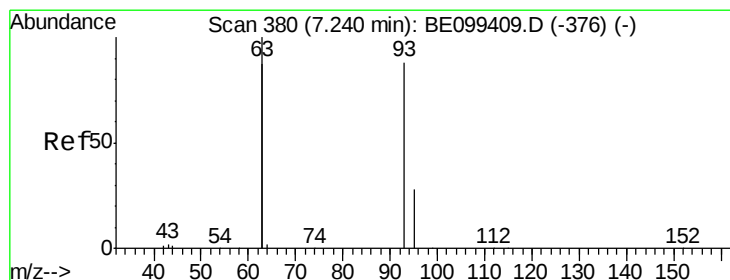
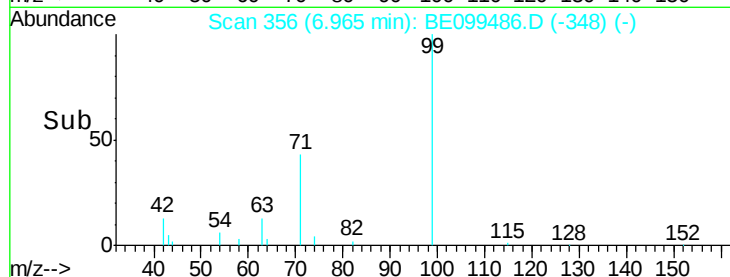
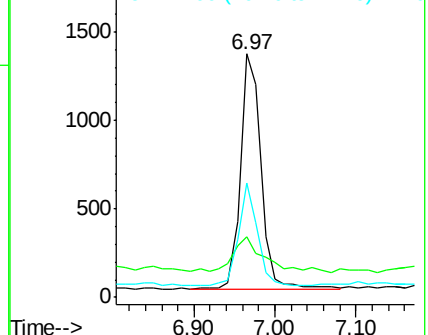
71 40.7 33.0 49.6



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: 0.285 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

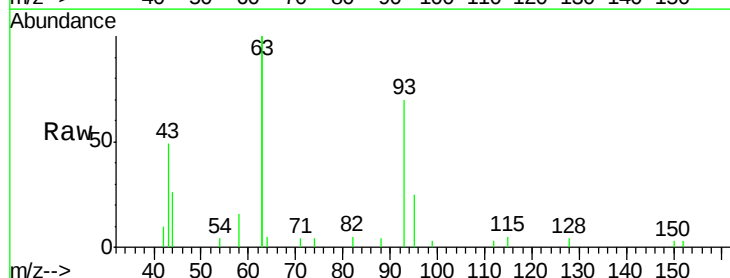
Tgt Ion: 93 Resp: 1766

Ion Ratio Lower Upper

93 100

63 268.5 215.6 323.4

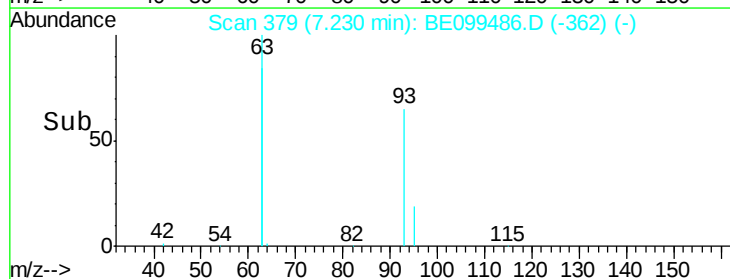
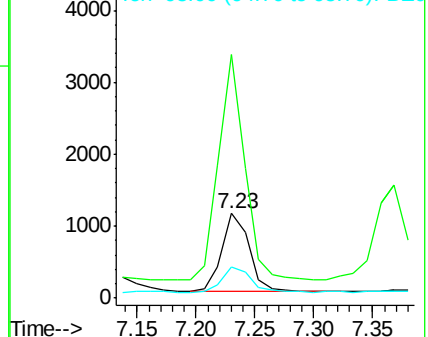
95 34.2 26.2 39.2

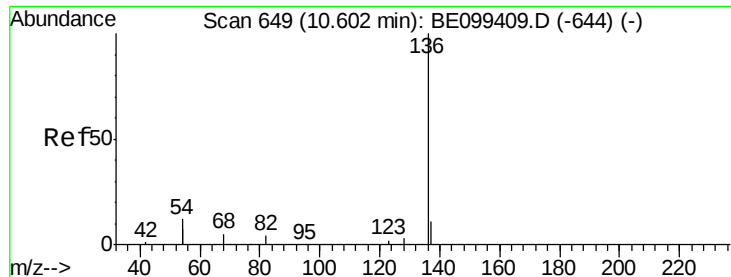


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

Instrument :

BNA_E

ClientSampleId :

PST-023-SW027-042319MSD

Tot Ion:136 Resp: 7088

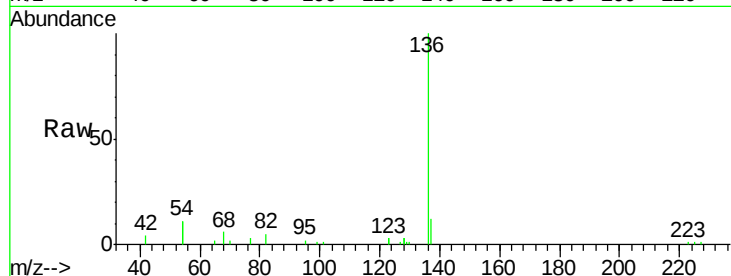
Ion Ratio Lower Upper

136 100

137 12.5 9.8 14.8

54 21.6 18.5 27.7

68 6.0 4.7 7.1

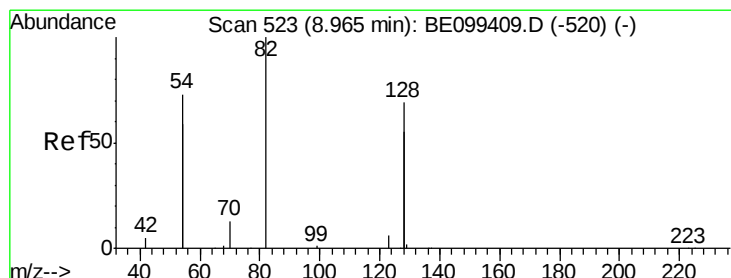
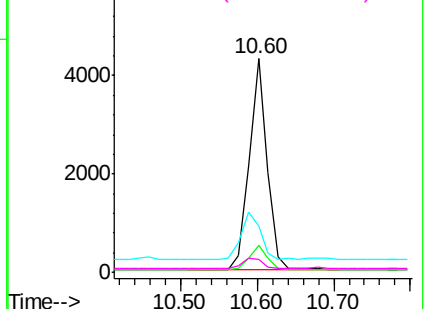
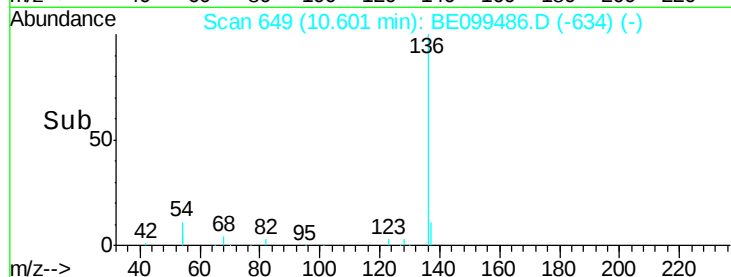


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.302 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

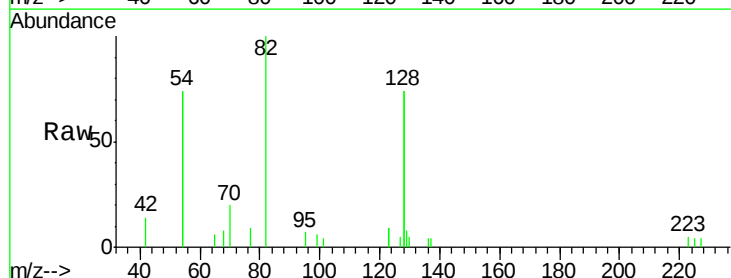
Tgt Ion: 82 Resp: 2006

Ion Ratio Lower Upper

82 100

128 148.8 107.0 160.4

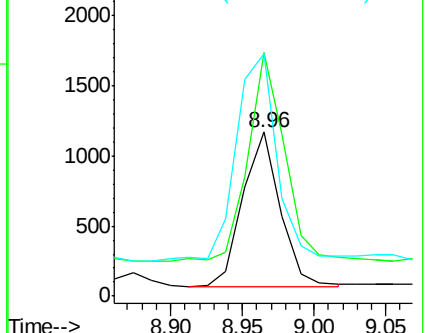
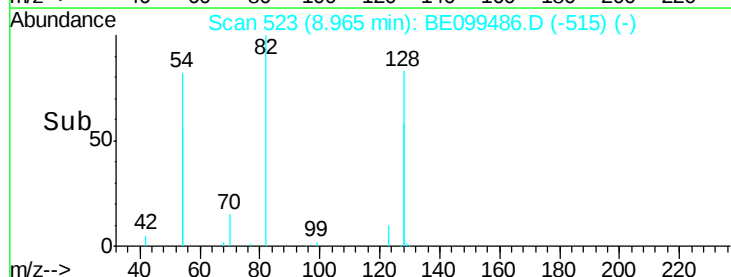
54 148.1 113.1 169.7

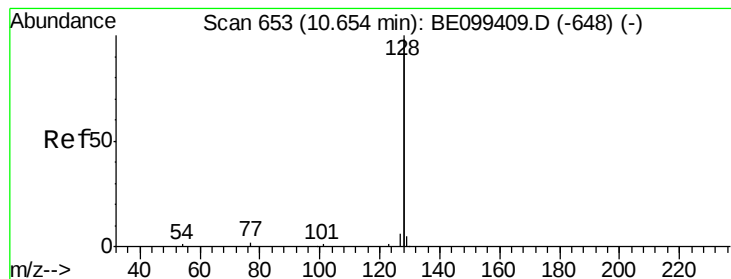


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.315 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

Instrument :

BNA_E

ClientSampleId :

PST-023-SW027-042319MSD

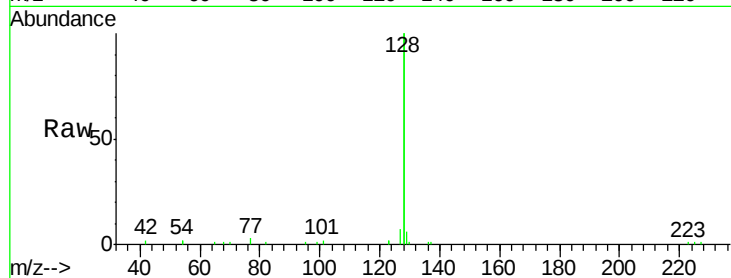
Tot Ion:128 Resp: 24362

Ion Ratio Lower Upper

128 100

129 3.2 2.4 3.6

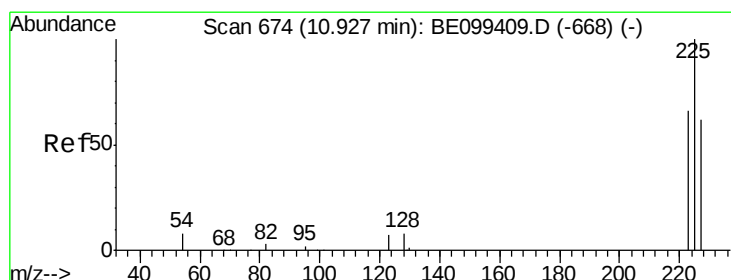
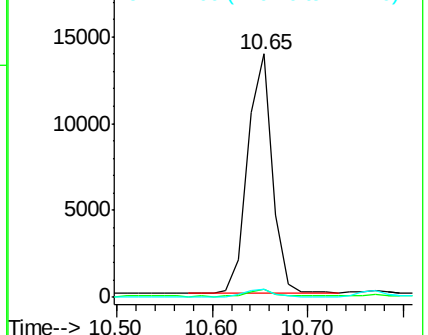
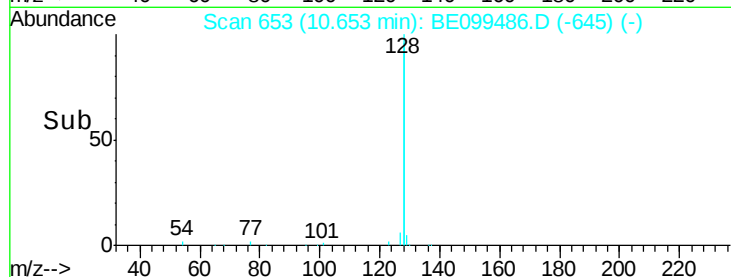
127 3.5 2.8 4.2



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: 0.264 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.00 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

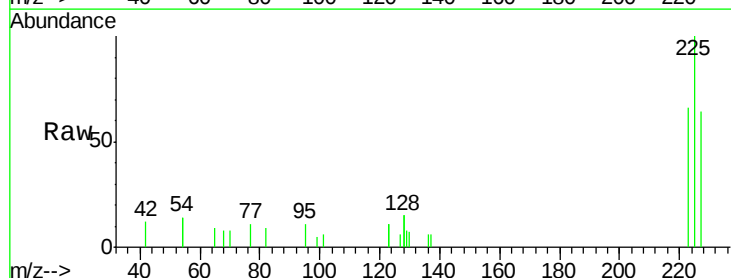
Tgt Ion:225 Resp: 1416

Ion Ratio Lower Upper

225 100

223 62.5 51.0 76.6

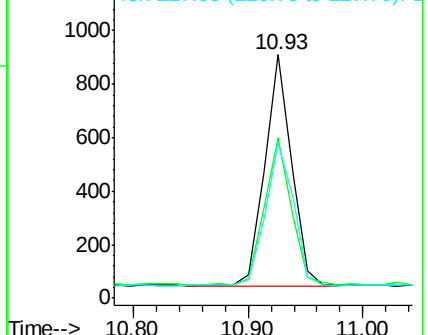
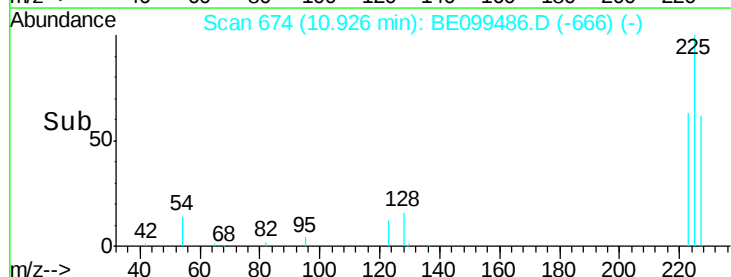
227 64.8 50.9 76.3

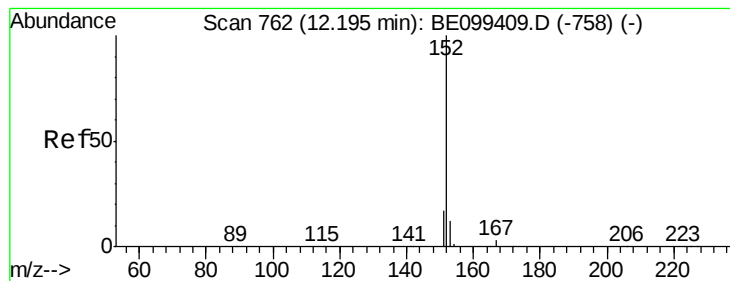


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

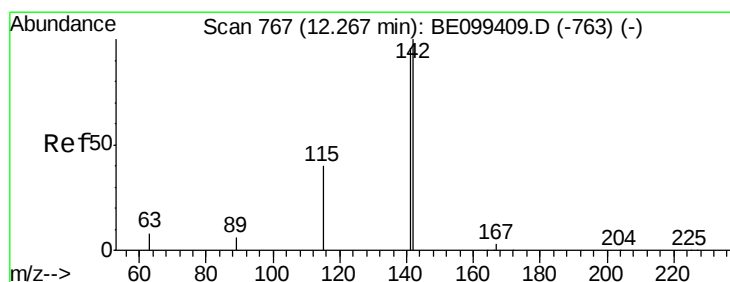
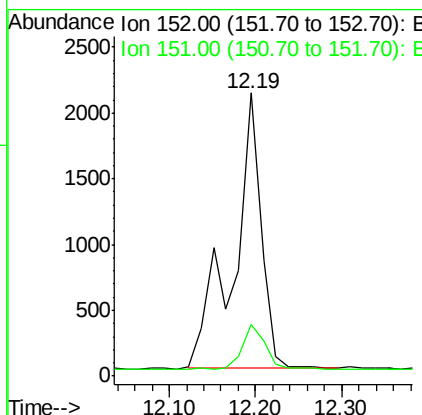
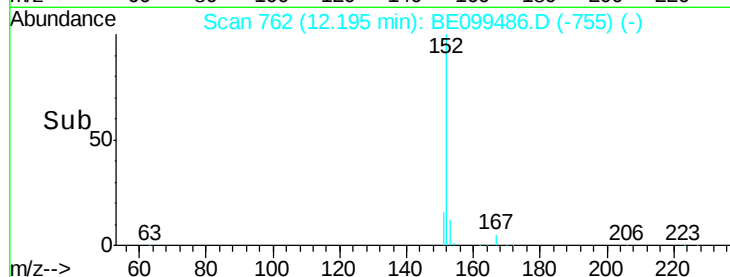
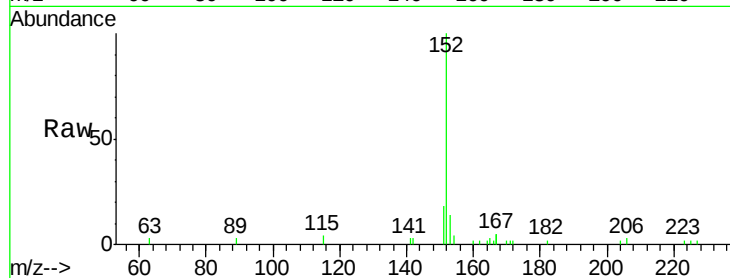




#11
 2-Methylnaphthalene-d10
 Concen: 0.367 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099486.D
 Acq: 2 May 2019 5:11

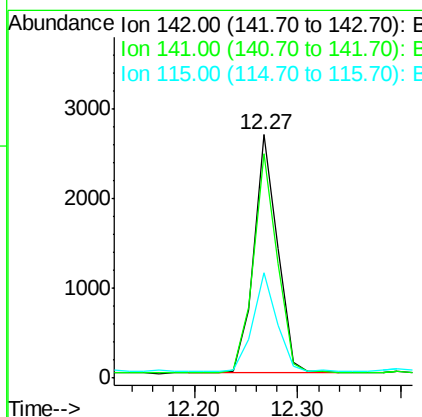
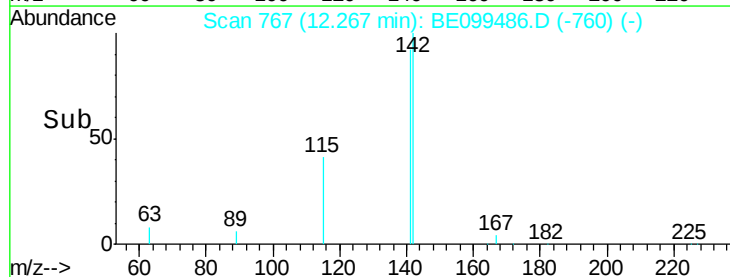
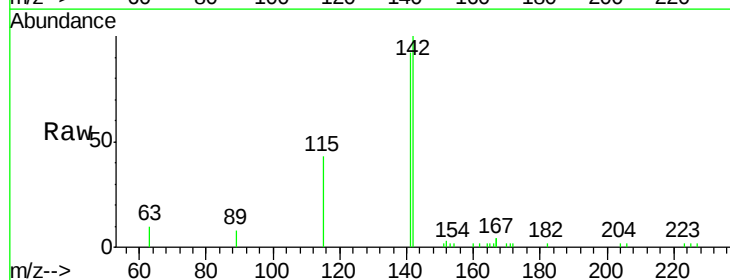
Instrument :
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 PST-023-SW027-042319MSD

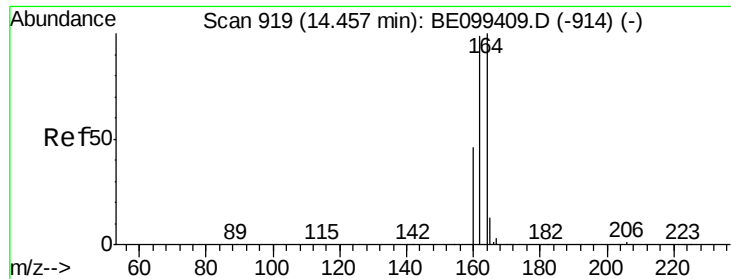
Tot Ion:152 Resp: 4683
 Ion Ratio Lower Upper
 152 100
 151 14.2 15.5 23.3#



#12
 2-Methylnaphthalene
 Concen: 0.319 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE099486.D
 Acq: 2 May 2019 5:11

Tgt Ion:142 Resp: 4286
 Ion Ratio Lower Upper
 142 100
 141 92.3 77.0 115.4
 115 43.5 33.4 50.0

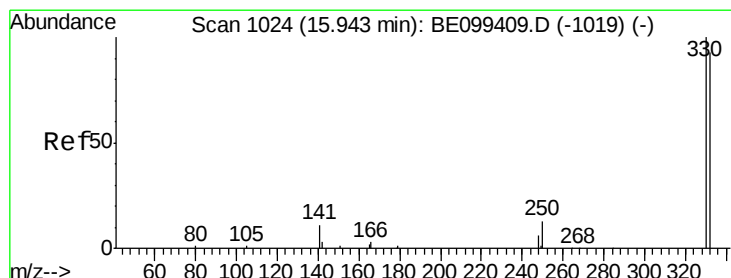
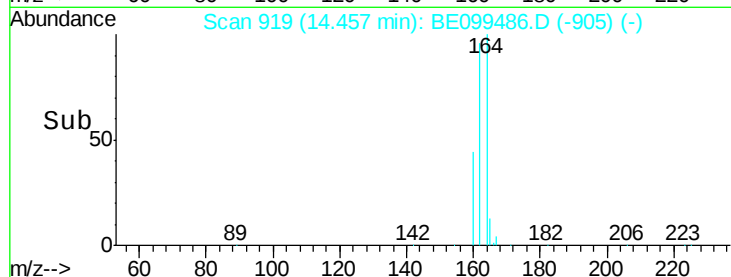
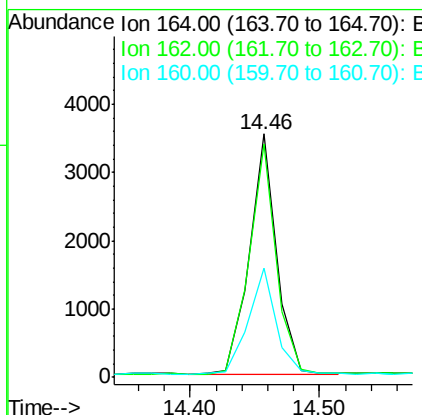
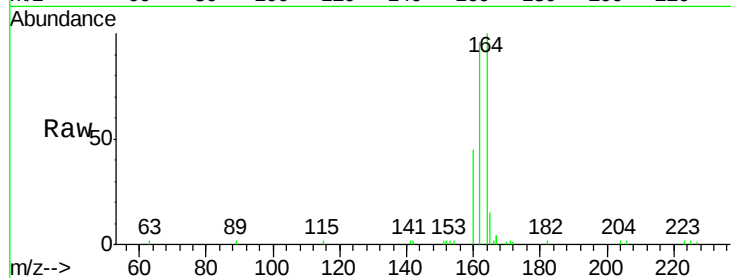




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099486.D
 Acq: 2 May 2019 5:11

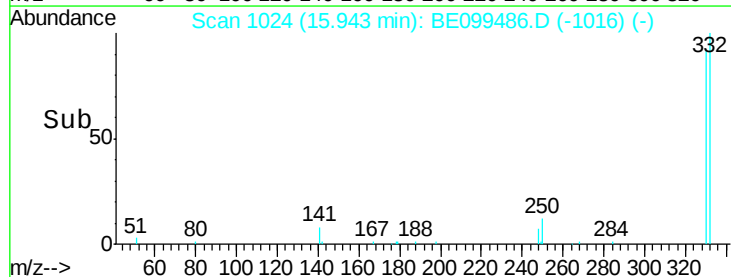
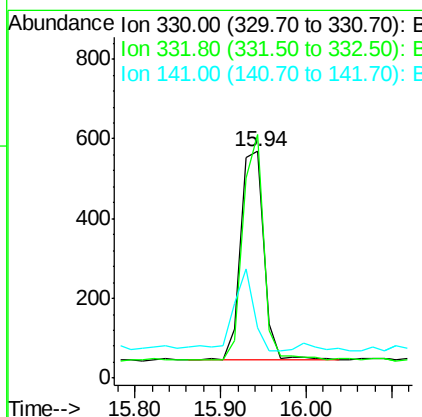
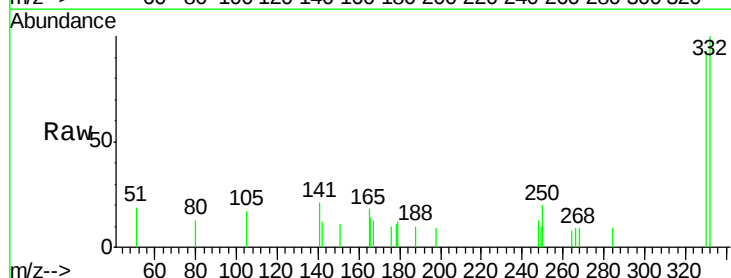
Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW027-042319MSD

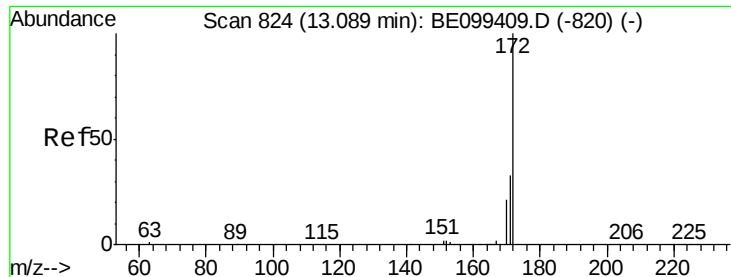
Tot Ion:164 Resp: 5068
 Ion Ratio Lower Upper
 164 100
 162 96.1 79.0 118.4
 160 44.9 37.0 55.4



#14
 2,4,6-Tribromophenol
 Concen: 0.312 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099486.D
 Acq: 2 May 2019 5:11

Tgt Ion:330 Resp: 996
 Ion Ratio Lower Upper
 330 100
 332 96.0 71.5 107.3
 141 33.5 24.0 36.0

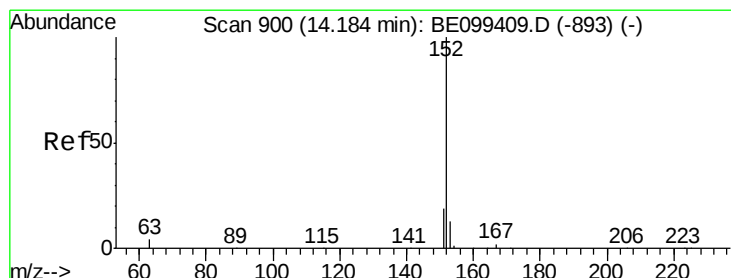
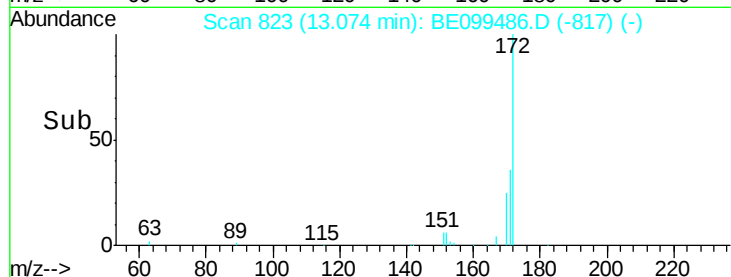
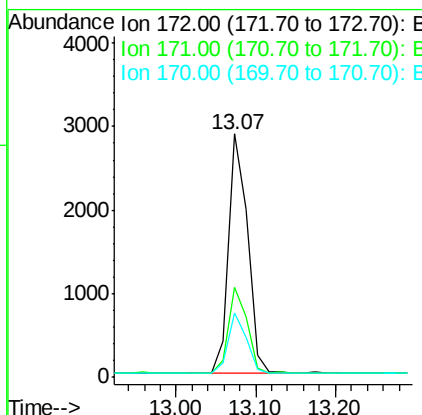
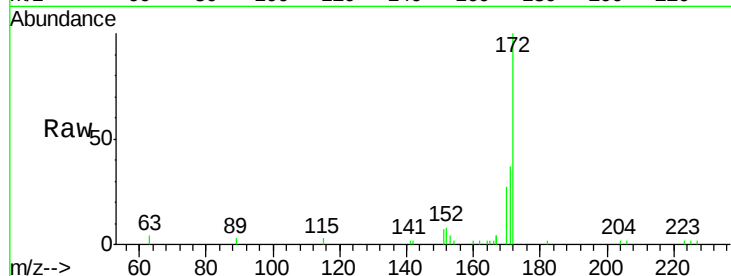




#15
2-Fluorobiphenyl
Concen: 0.247 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

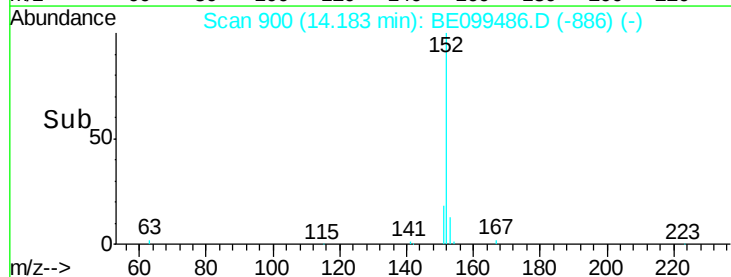
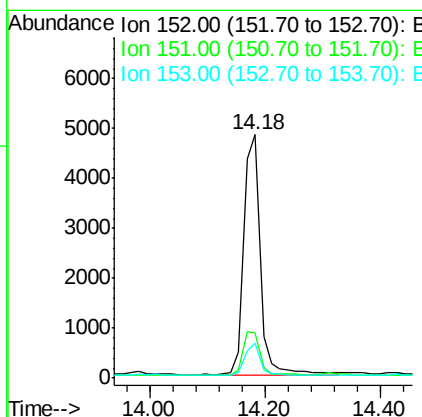
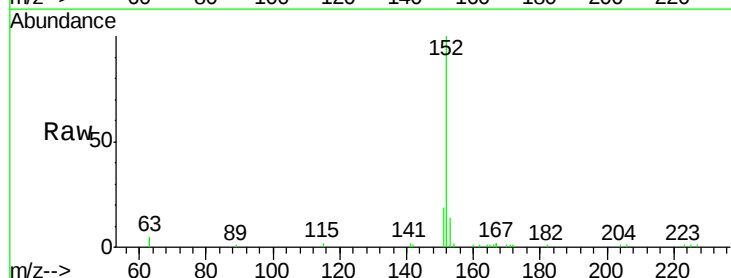
Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MSD

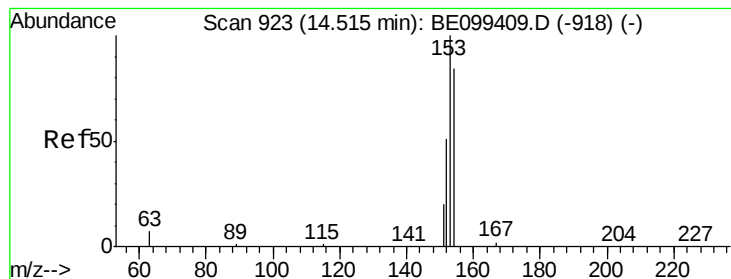
Tot Ion:172 Resp: 4773
Ion Ratio Lower Upper
172 100
171 37.2 26.6 39.8
170 26.7 17.0 25.6#



#16
Acenaphthylene
Concen: 0.392 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion:152 Resp: 9717
Ion Ratio Lower Upper
152 100
151 18.9 15.4 23.2
153 12.4 9.8 14.6





#17

Acenaphthene

Concen: 0.295 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

Instrument :

BNA_E

ClientSampleId :

PST-023-SW027-042319MSD

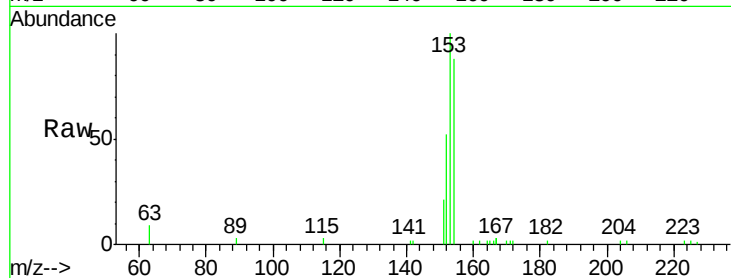
Tot Ion:154 Resp: 4176

Ion Ratio Lower Upper

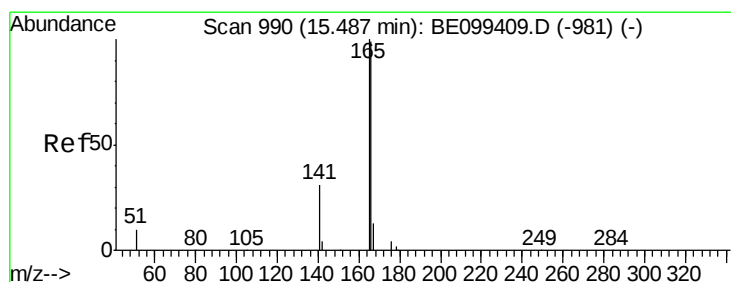
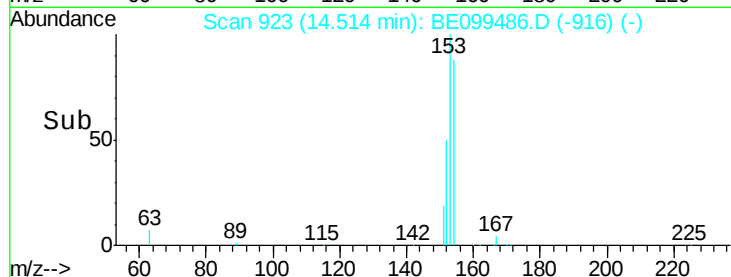
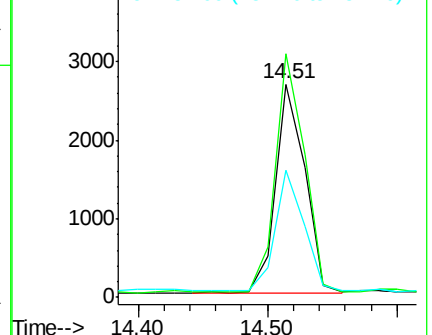
154 100

153 113.4 92.6 138.8

152 56.9 45.8 68.8



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: 0.315 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

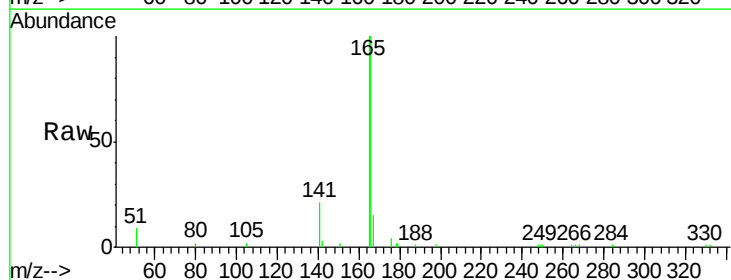
Tgt Ion:166 Resp: 6578

Ion Ratio Lower Upper

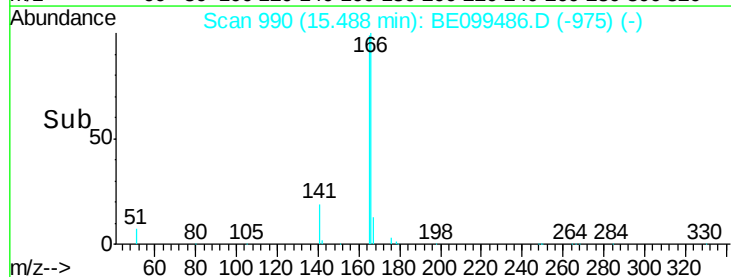
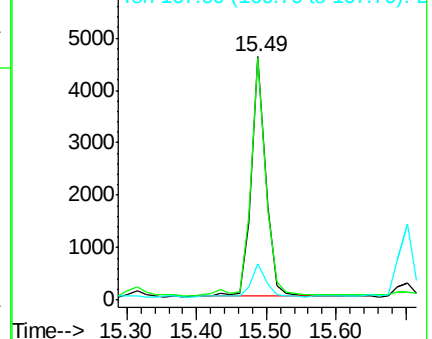
166 100

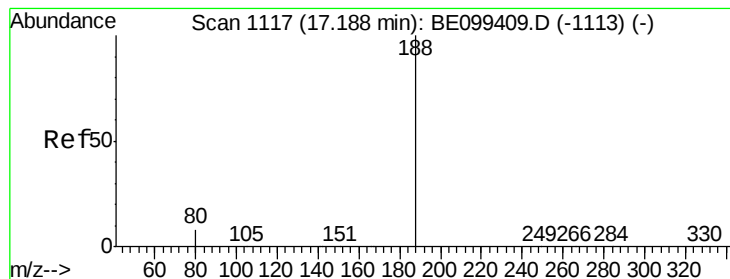
165 102.4 80.3 120.5

167 13.9 10.7 16.1



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: 17.19 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

Instrument :

BNA_E

ClientSampleId :

PST-023-SW027-042319MSD

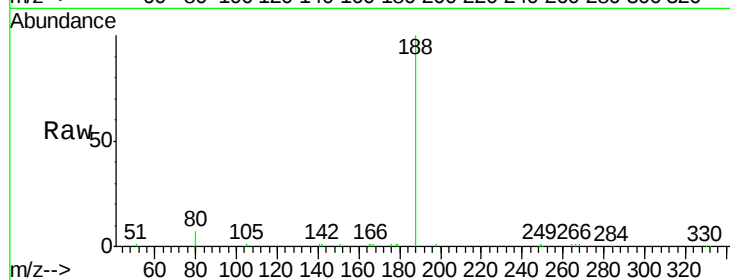
Tot Ion:188 Resp: 16156

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

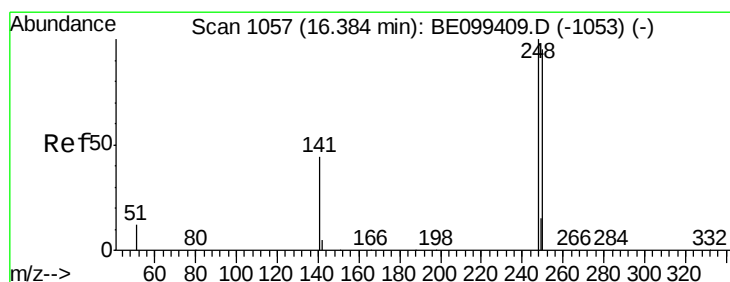
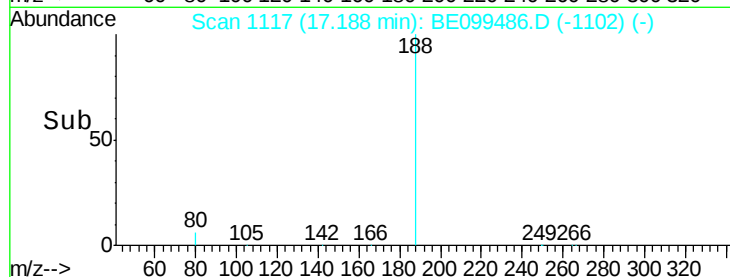
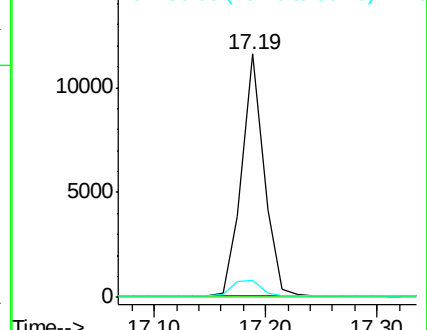
80 7.0 6.7 10.1



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: 0.262 ng

RT: 16.38 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

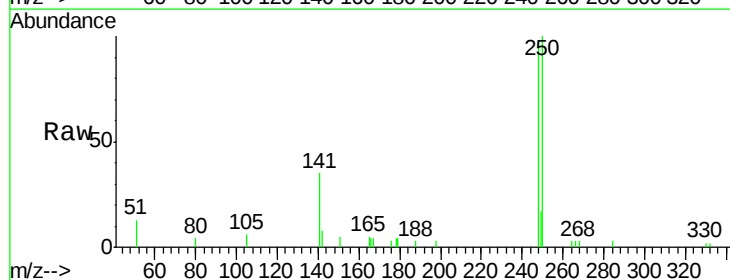
Tgt Ion:248 Resp: 2463

Ion Ratio Lower Upper

248 100

250 103.3 75.8 113.8

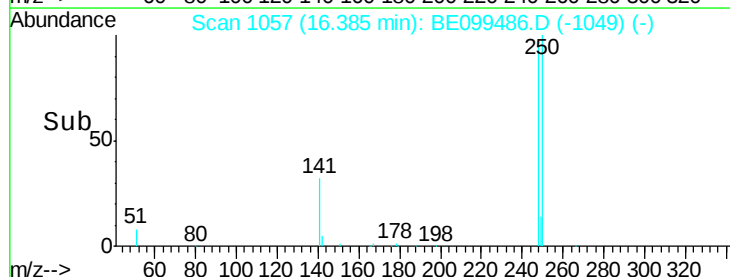
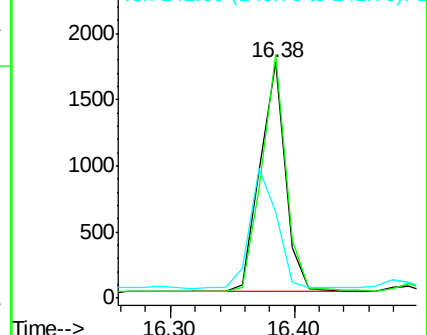
141 36.5 35.7 53.5

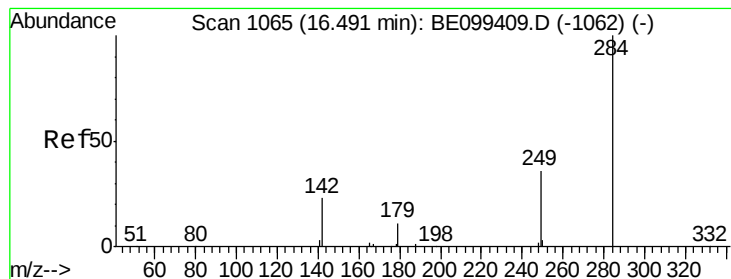


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.266 ng

RT: 16.49 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

Instrument :

BNA_E

ClientSampleId :

PST-023-SW027-042319MSD

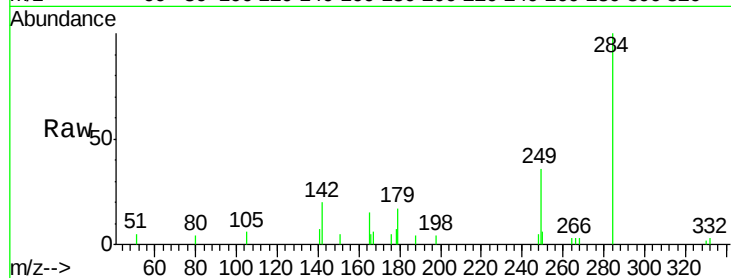
Tot Ion:284 Resp: 2385

Ion Ratio Lower Upper

284 100

142 26.9 21.0 31.6

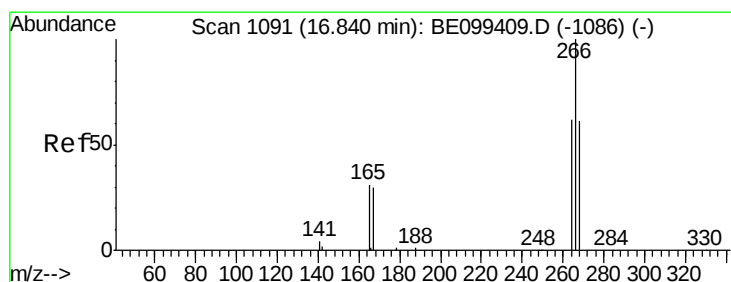
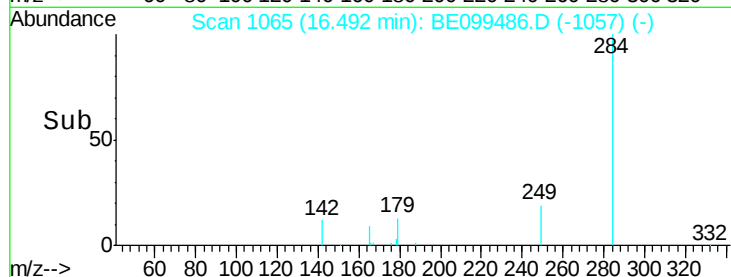
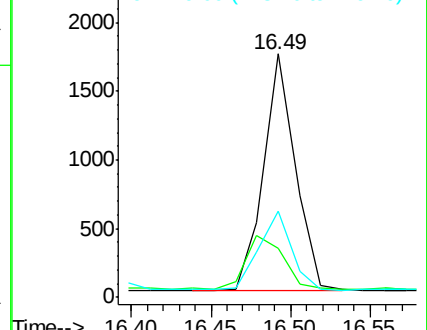
249 34.3 26.7 40.1



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: 0.865 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

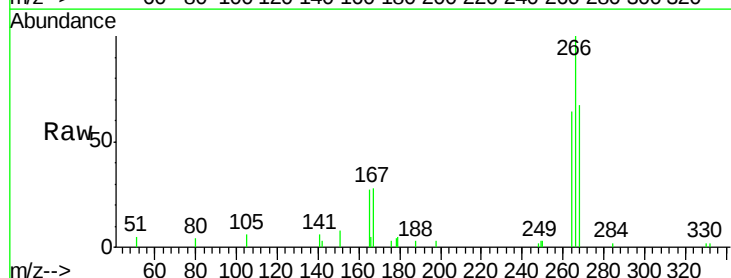
Tgt Ion:266 Resp: 3500

Ion Ratio Lower Upper

266 100

264 64.1 50.8 76.2

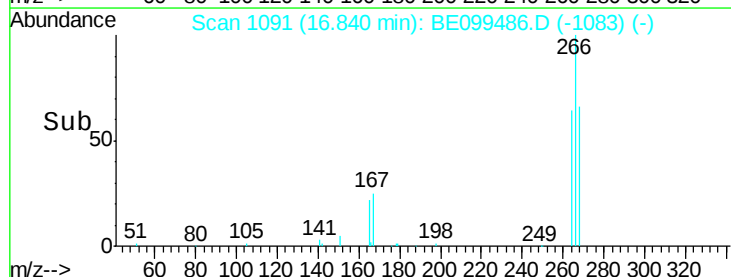
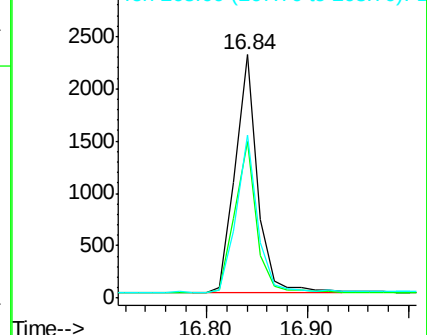
268 66.7 50.5 75.7

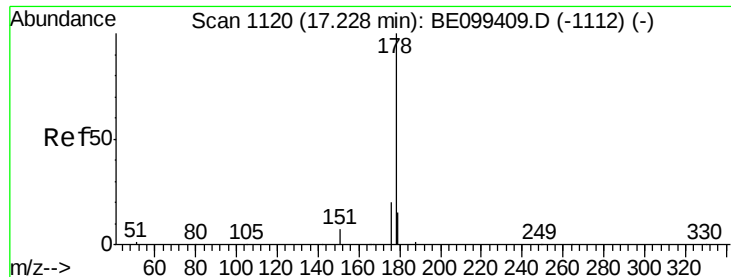


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.676 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

Instrument :

BNA_E

ClientSampleId :

PST-023-SW027-042319MSD

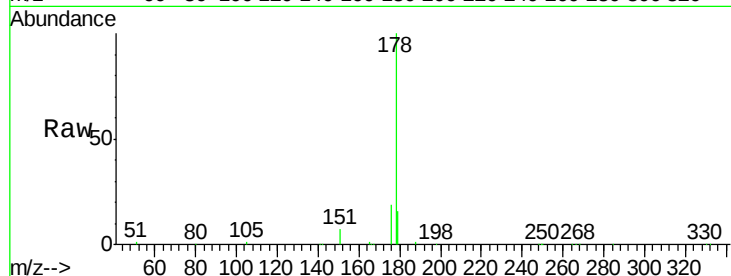
Tot Ion:178 Resp: 28174

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

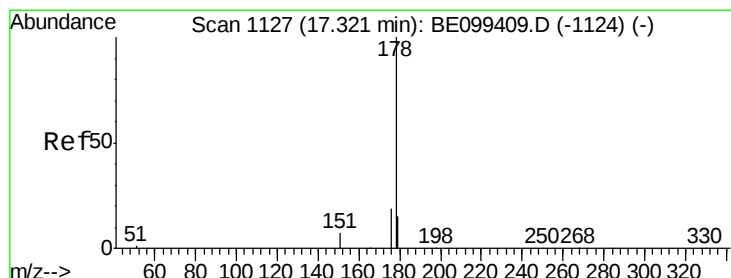
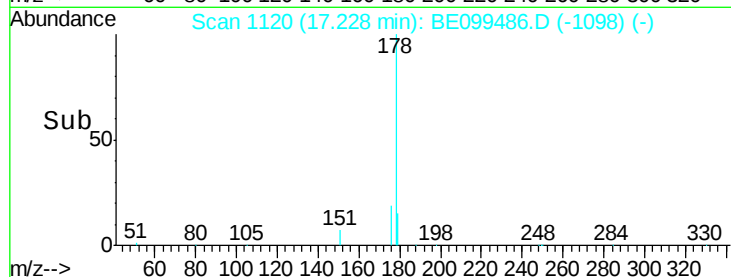
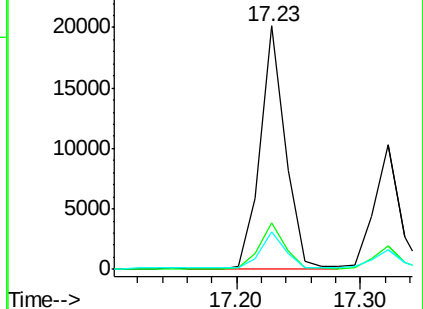
179 15.2 12.0 18.0



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: 0.358 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

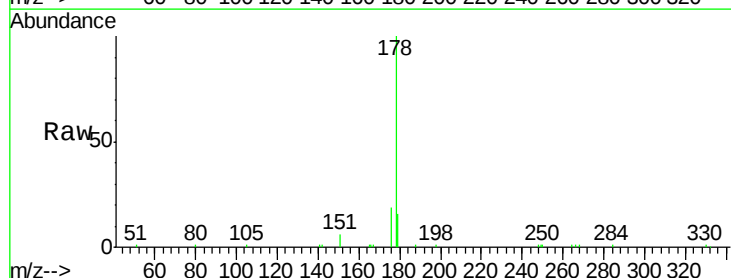
Tgt Ion:178 Resp: 14224

Ion Ratio Lower Upper

178 100

176 19.2 14.9 22.3

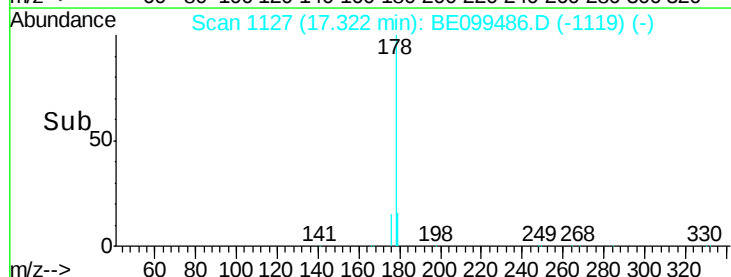
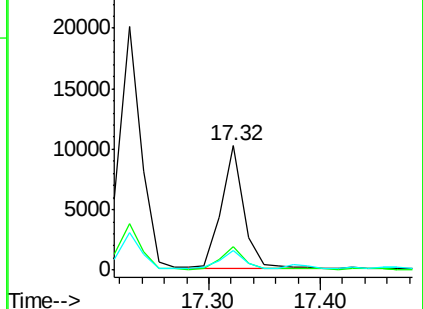
179 15.9 11.9 17.9

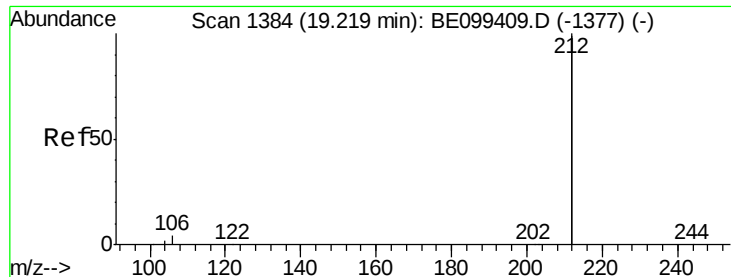


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.254 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

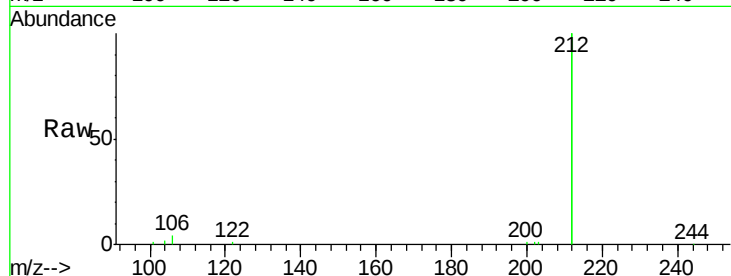
Instrument :

BNA_E

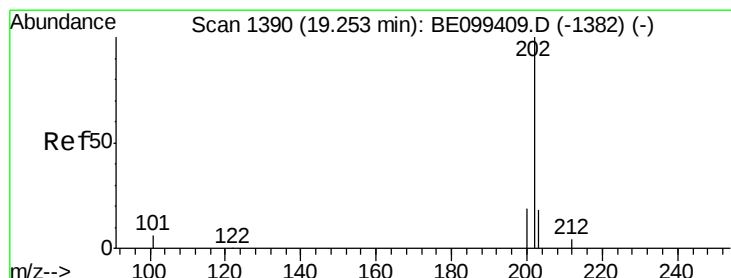
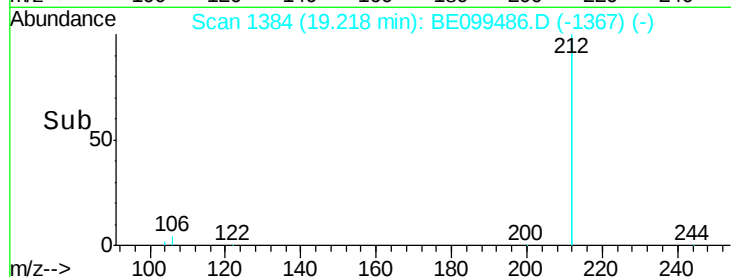
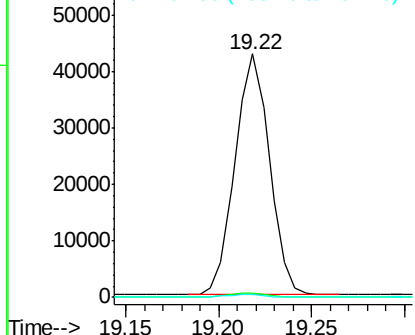
ClientSampleId :

PST-023-SW027-042319MSD

Tot Ion:212	Resp:	55345
Ion Ratio	Lower	Upper
212	100	
106	1.9	1.5 2.3
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: 1.010 ng

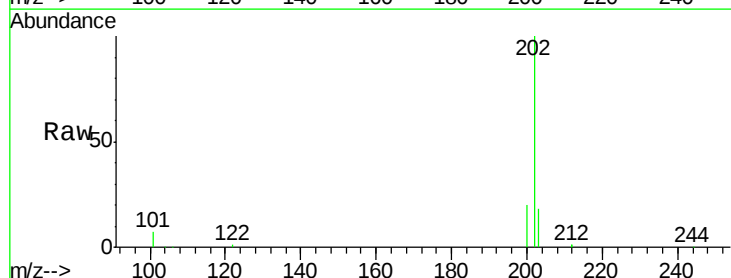
RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

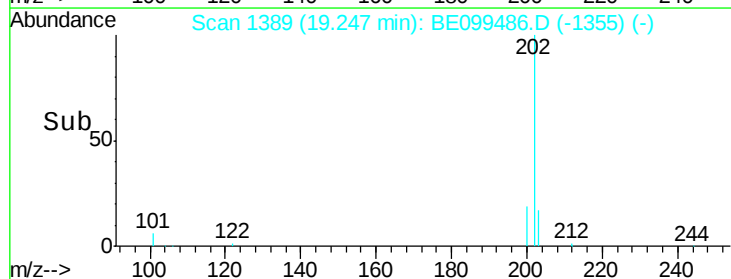
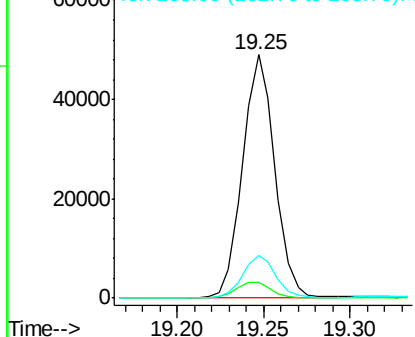
Lab File: BE099486.D

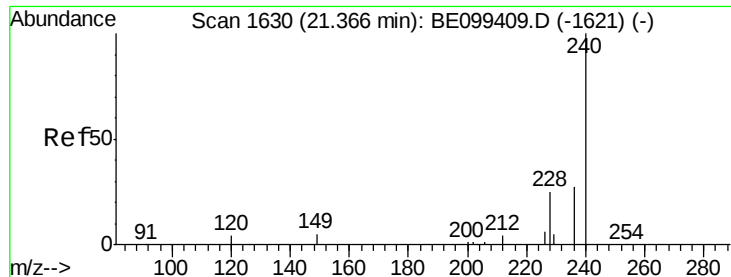
Acq: 2 May 2019 5:11

Tgt Ion:202	Resp:	63093
Ion Ratio	Lower	Upper
202	100	
101	6.7	5.4 8.0
203	17.5	13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

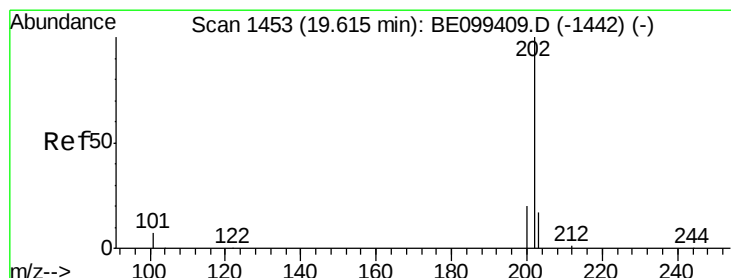
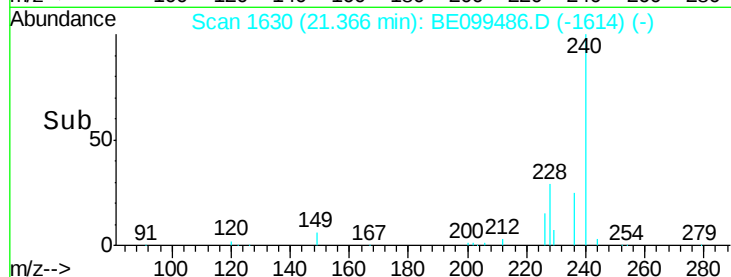
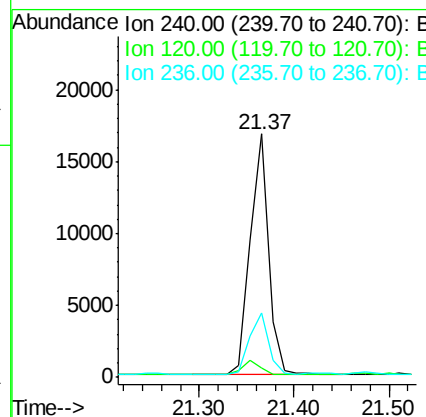
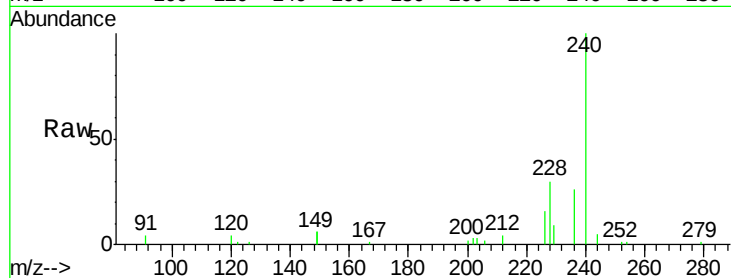




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

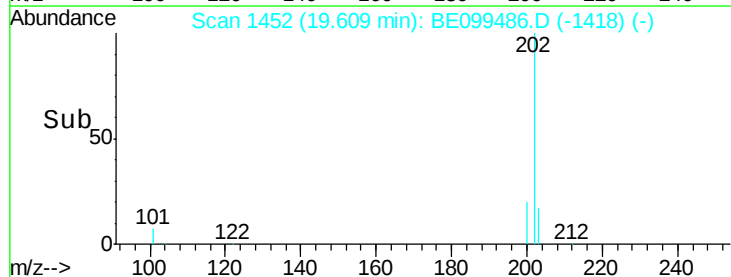
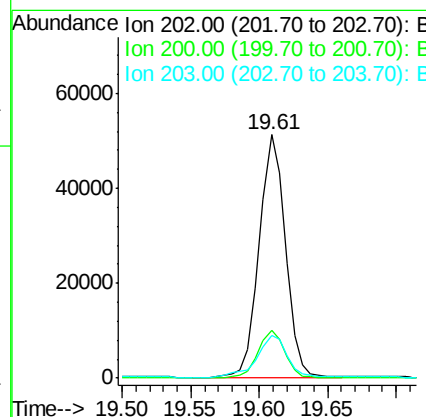
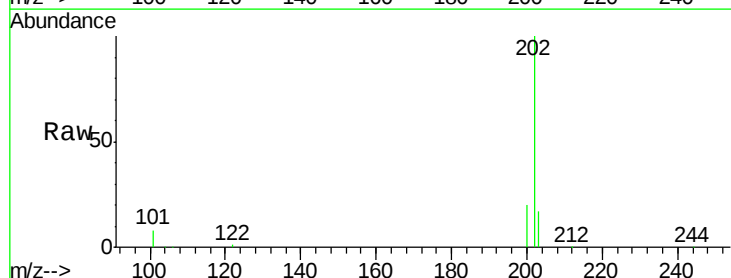
Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MSD

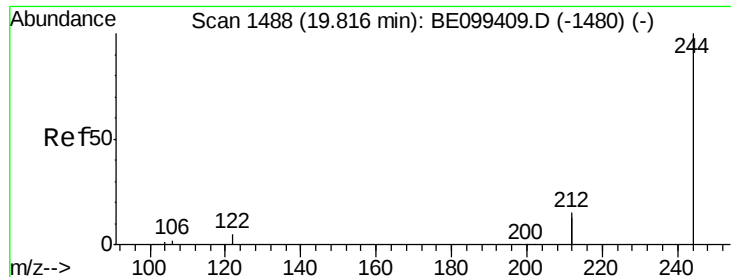
Tot Ion:240 Resp: 22598
Ion Ratio Lower Upper
240 100
120 3.6 4.0 6.0#
236 26.3 22.0 33.0



#28
Pyrene
Concen: 1.147 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion:202 Resp: 67539
Ion Ratio Lower Upper
202 100
200 19.7 15.7 23.5
203 19.8 13.9 20.9





#29

Terphenyl-d14

Concen: 0.291 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

Instrument :

BNA_E

ClientSampleId :

PST-023-SW027-042319MSD

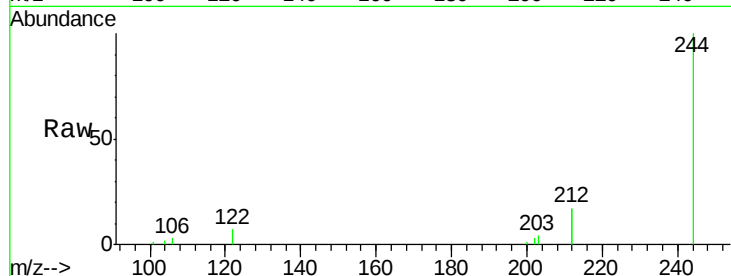
Tot Ion:244 Resp: 12056

Ion Ratio Lower Upper

244 100

212 33.3 23.2 34.8

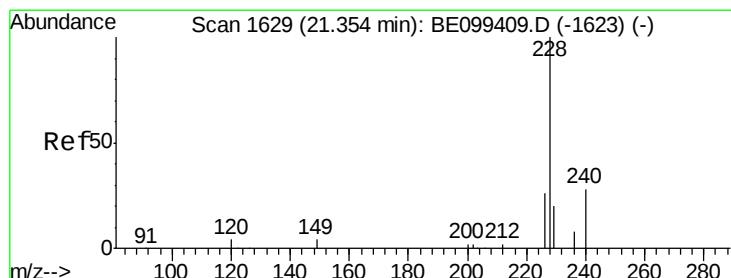
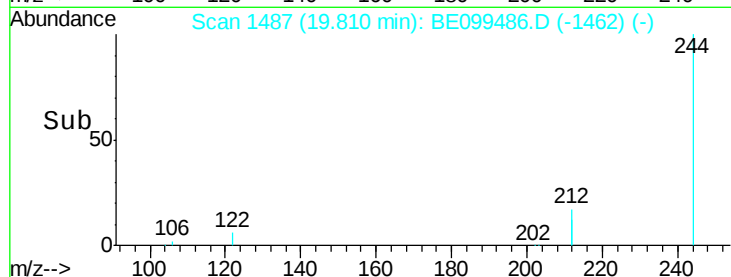
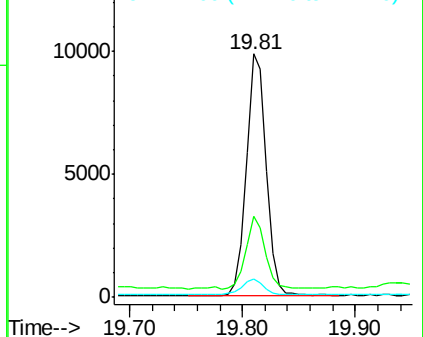
122 7.3 4.2 6.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.738 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

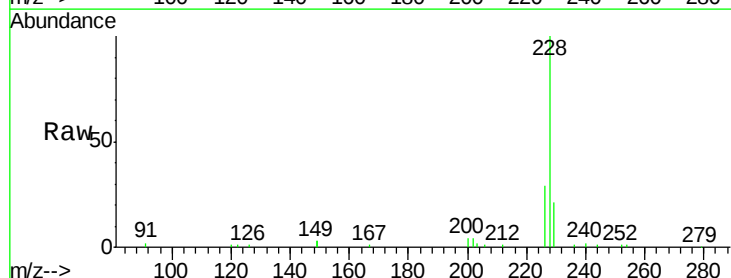
Tgt Ion:228 Resp: 53145

Ion Ratio Lower Upper

228 100

226 28.9 21.0 31.6

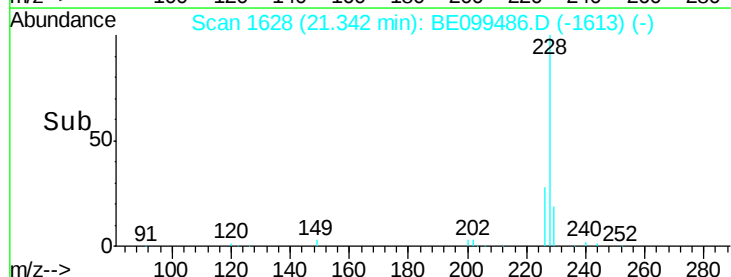
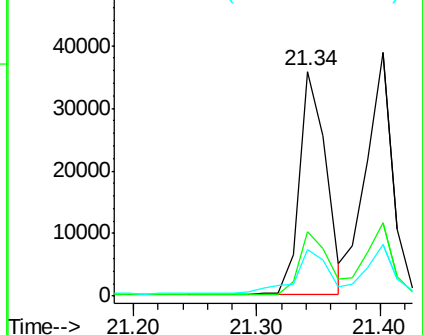
229 20.8 16.6 25.0

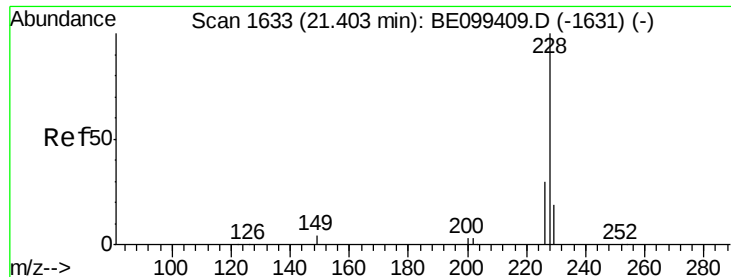


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.817 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

Instrument :

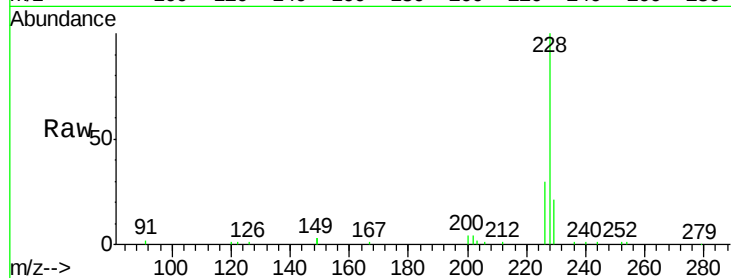
BNA_E

ClientSampleId :

PST-023-SW027-042319MSD

Tot Ion:228 Resp: 57567

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	21.4	15.8	23.8

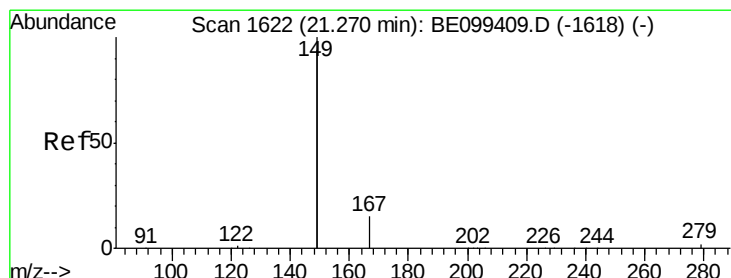
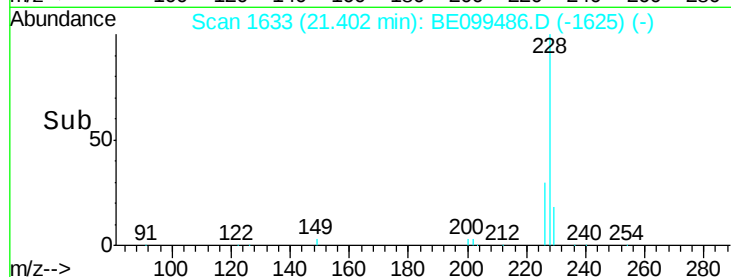
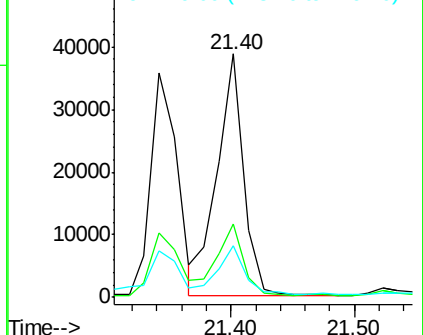


Abundance

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: 0.391 ng

RT: 21.26 min Scan# 1621

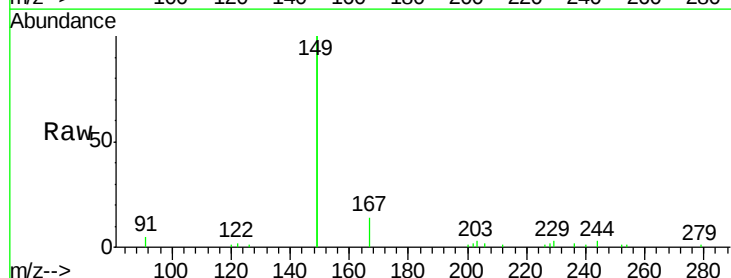
Delta R.T. -0.01 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

Tgt Ion:149 Resp: 47023

Ion	Ratio	Lower	Upper
149	100		
167	7.5	5.8	8.6
279	1.4	1.0	1.6

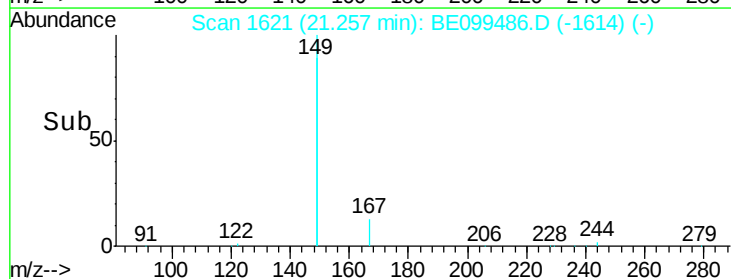
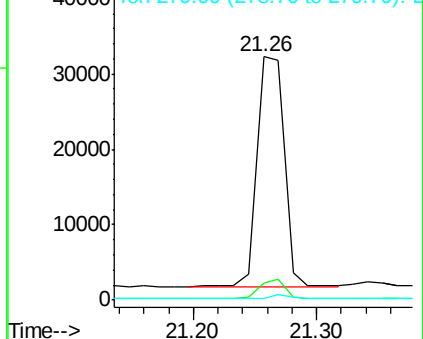


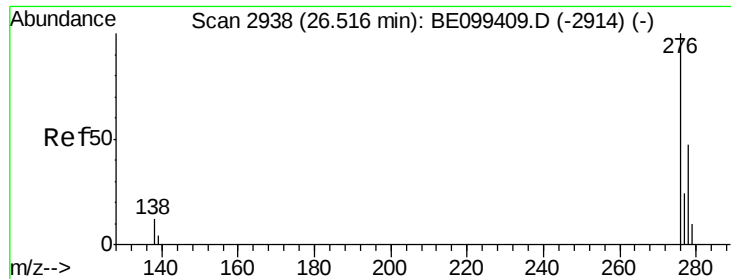
Abundance

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: 0.629 ng

RT: 26.51 min Scan# 2936

Delta R.T. -0.01 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

Instrument :

BNA_E

ClientSampleId :

PST-023-SW027-042319MSD

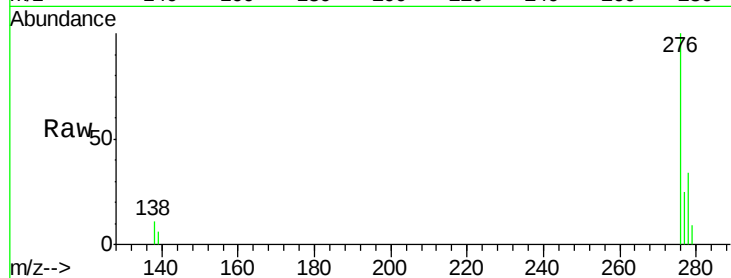
Tot Ion:276 Resp: 52406

Ion Ratio Lower Upper

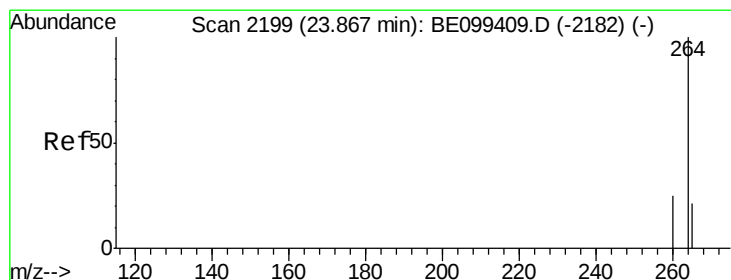
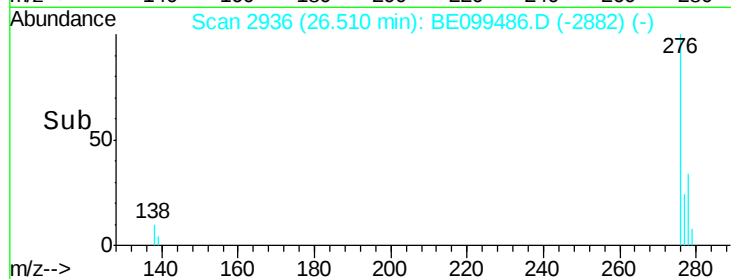
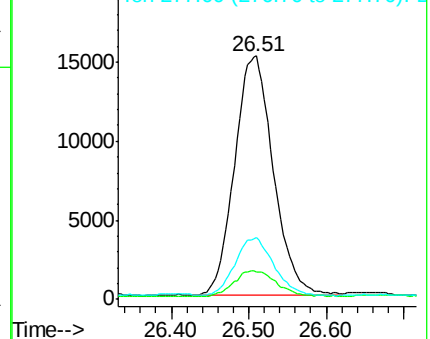
276 100

138 11.4 10.2 15.2

277 24.4 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: 23.87 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

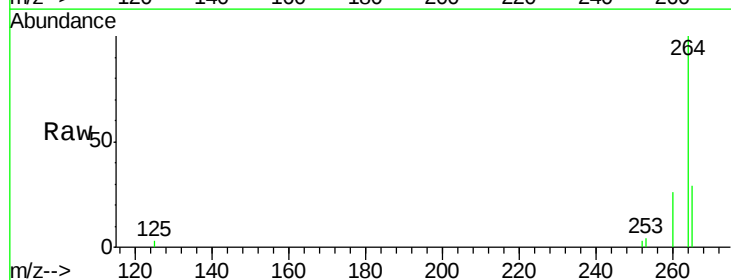
Tgt Ion:264 Resp: 25965

Ion Ratio Lower Upper

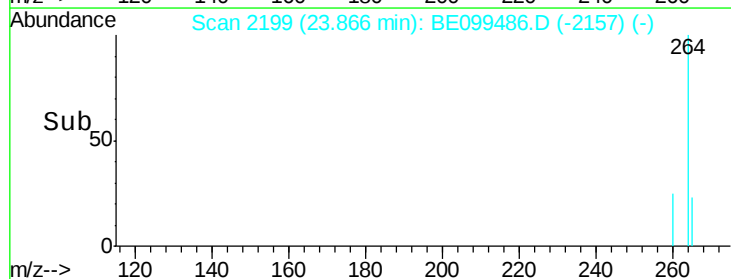
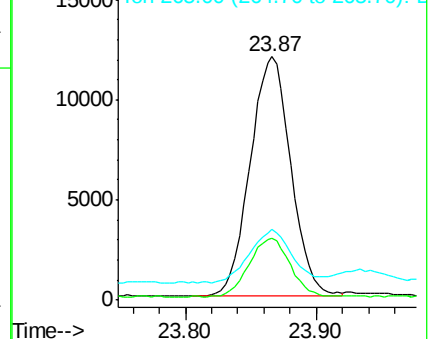
264 100

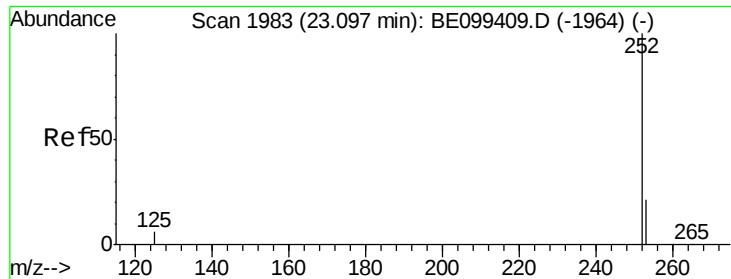
260 25.6 20.2 30.2

265 29.1 21.3 31.9



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: 0.522 ng

RT: 23.14 min Scan# 1996

Delta R.T. 0.05 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

Instrument :

BNA_E

ClientSampleId :

PST-023-SW027-042319MSD

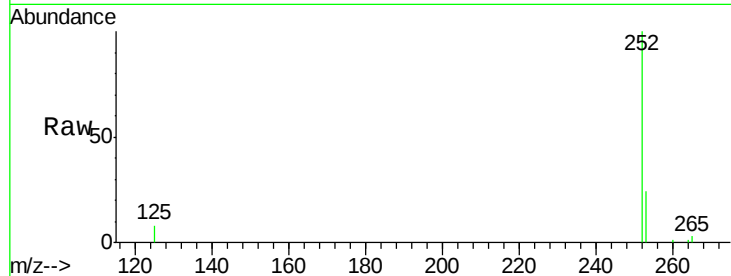
Tot Ion:252 Resp: 39088

Ion Ratio Lower Upper

252 100

253 24.4 18.1 27.1

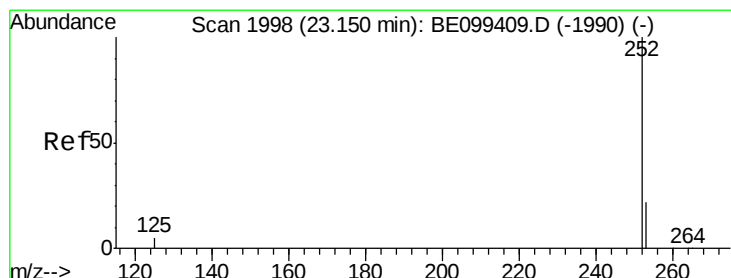
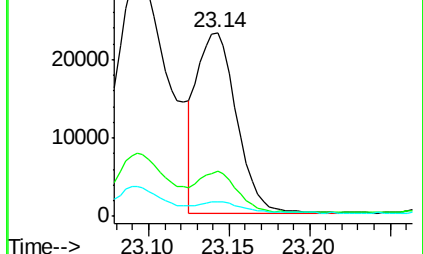
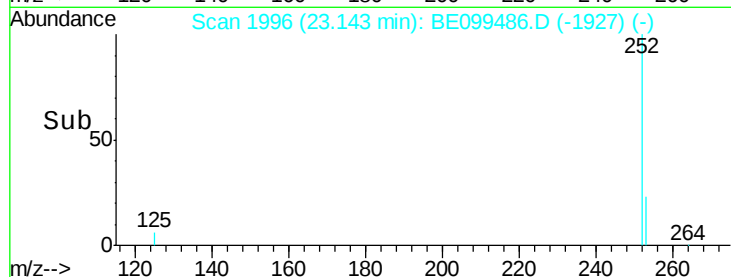
125 7.8 5.6 8.4



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: 0.541 ng

RT: 23.14 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

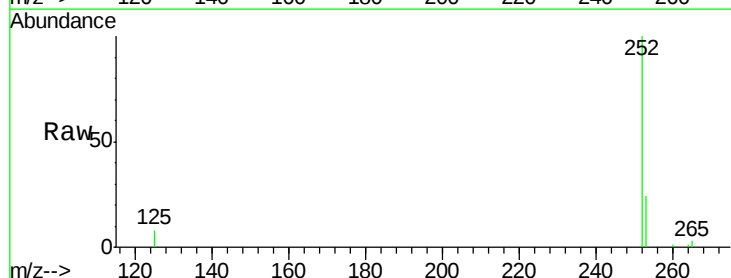
Tgt Ion:252 Resp: 39088

Ion Ratio Lower Upper

252 100

253 24.4 18.4 27.6

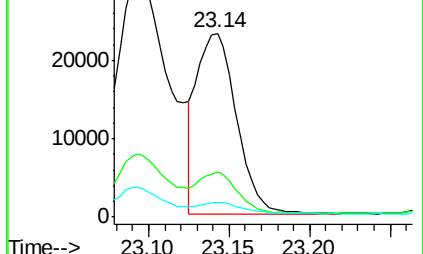
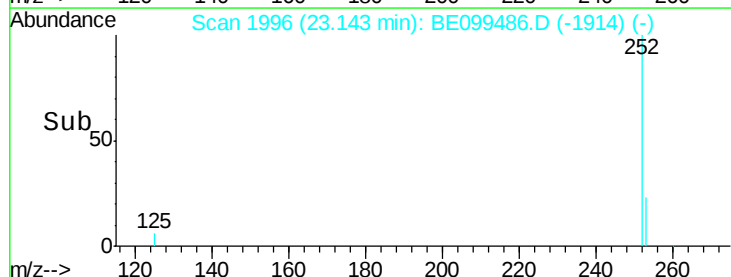
125 7.8 5.0 7.4#

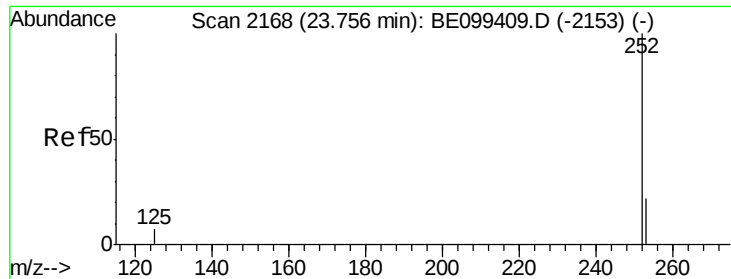


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.411 ng

RT: 23.64 min Scan# 2136

Delta R.T. -0.11 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

Instrument :

BNA_E

ClientSampleId :

PST-023-SW027-042319MSD

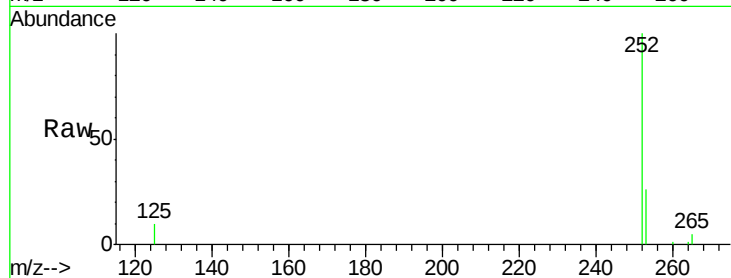
Tot Ion:252 Resp: 29092

Ion Ratio Lower Upper

252 100

253 25.8 18.9 28.3

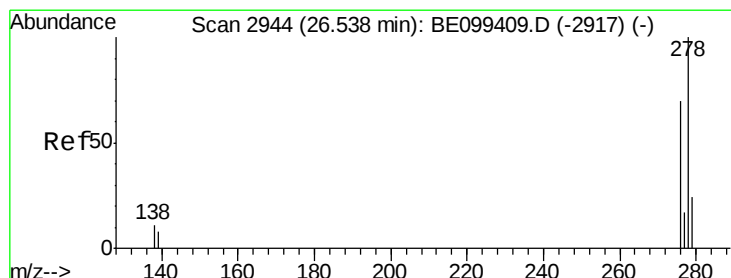
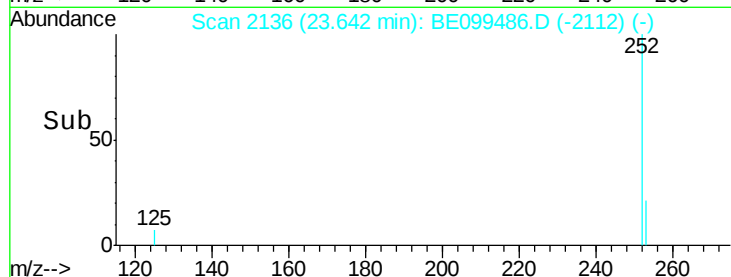
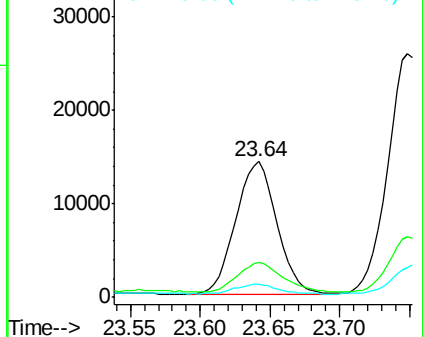
125 9.6 6.7 10.1



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: 0.379 ng

RT: 26.53 min Scan# 2941

Delta R.T. -0.01 min

Lab File: BE099486.D

Acq: 2 May 2019 5:11

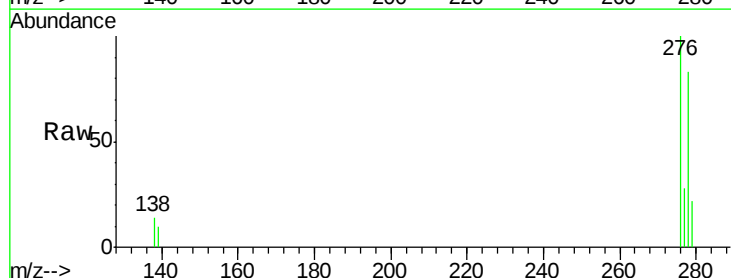
Tgt Ion:278 Resp: 27419

Ion Ratio Lower Upper

278 100

139 11.7 7.7 11.5#

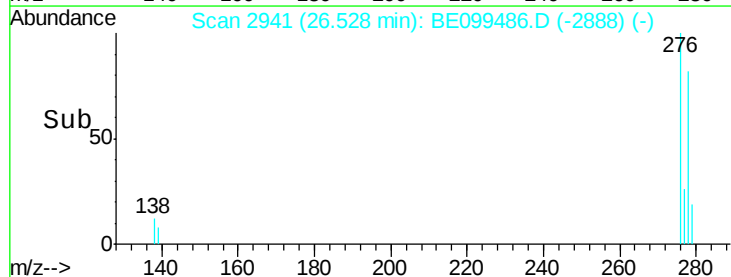
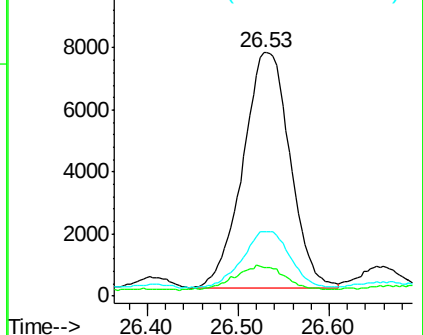
279 26.4 20.2 30.2

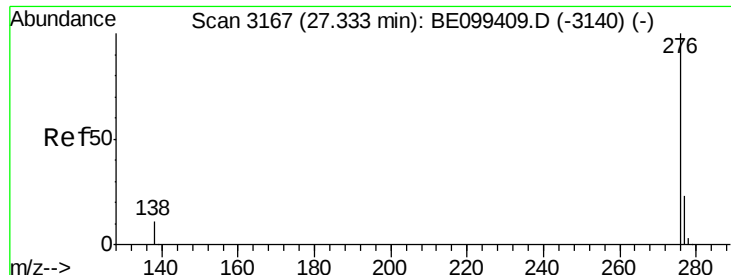


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.660 ng

RT: 27.32 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BE099486.D

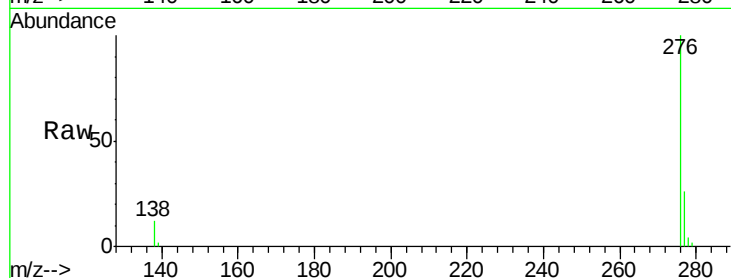
Acq: 2 May 2019 5:11

Instrument :

BNA_E

ClientSampleId :

PST-023-SW027-042319MSD



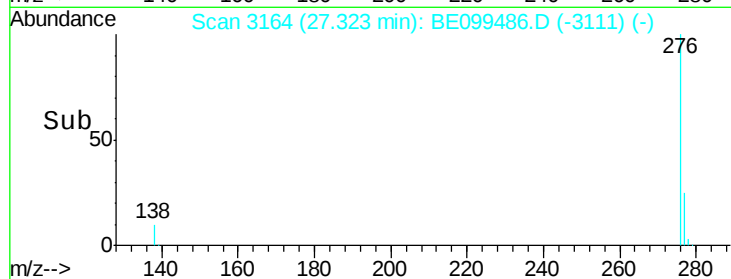
Tot Ion: 276 Resp: 47861

Ion Ratio Lower Upper

276 100

277 26.1 19.5 29.3

138 11.7 9.6 14.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

