

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122619\
 Data File : BE100983.D
 Acq On : 26 Dec 2019 22:31
 Operator : JU
 Sample : K6392-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 27 01:09:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 14:28:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	2628	0.40	ng	0.00
7) Naphthalene-d8	10.51	136	13738	0.40	ng	-0.01
13) Acenaphthene-d10	14.37	164	8443	0.40	ng	-0.01
19) Phenanthrene-d10	17.11	188	20600	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	21721	0.40	ng	-0.01
34) Perylene-d12	23.72	264	24714	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.35	112	1703	0.38	ng	0.00
5) Phenol-d6	6.93	99	986	0.31	ng	-0.06
8) Nitrobenzene-d5	8.89	82	3728	0.57	ng	-0.03
11) 2-Methylnaphthalene-d10	12.11	152	8290	0.41	ng	-0.01
14) 2,4,6-Tribromophenol	15.85	330	1429	0.70	ng	-0.03
15) 2-Fluorobiphenyl	13.00	172	13590	0.45	ng	-0.01
25) Fluoranthene-d10	19.14	212	117744	0.47	ng	0.00
29) Terphenyl-d14	19.74	244	27699	0.55	ng	-0.02

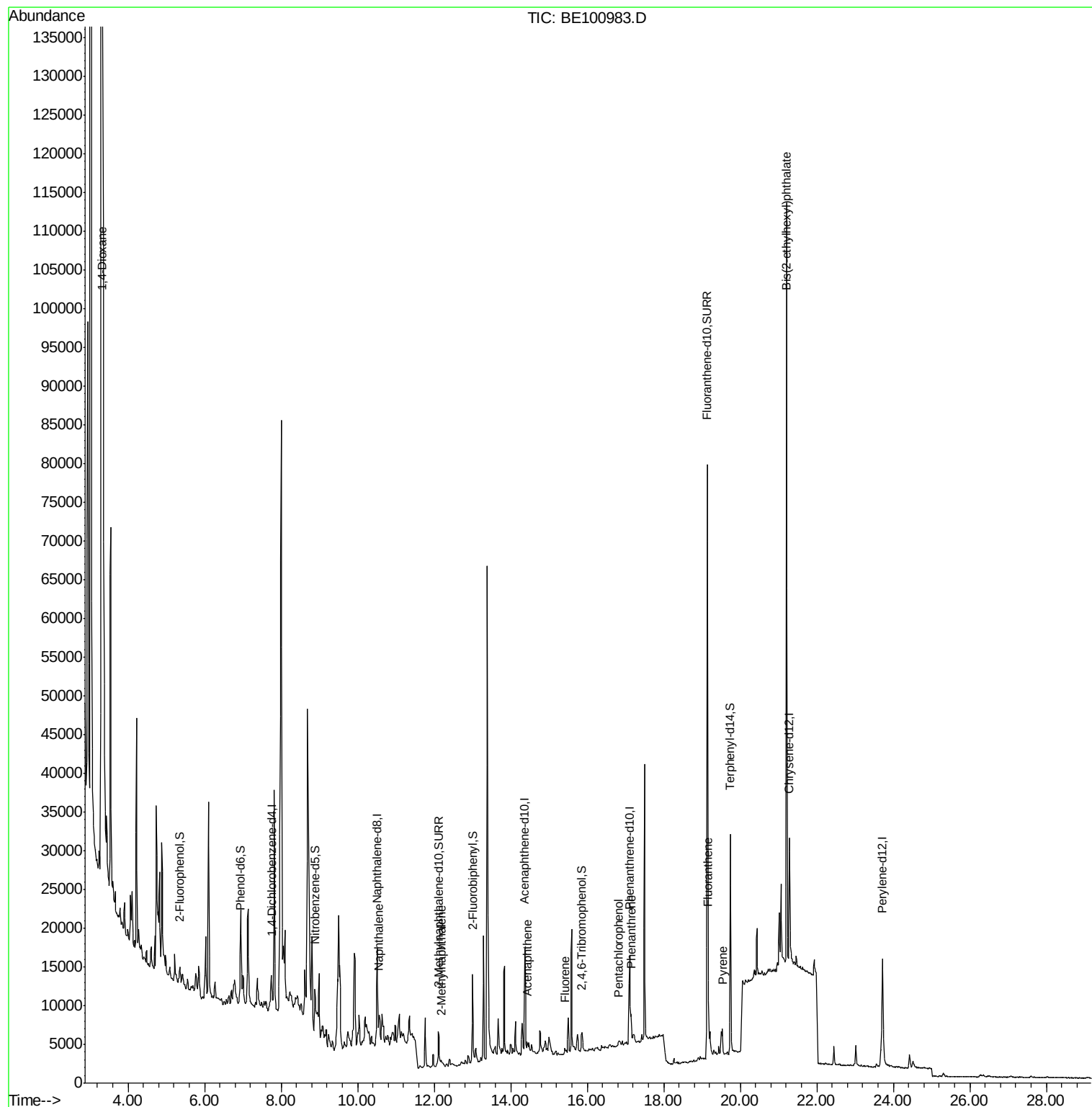
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	3916746	789.945	ng	# 74
9) Naphthalene	10.56	128	4779	0.033	ng	# 90
12) 2-Methylnaphthalene	12.18	142	476	0.022	ng	# 73
17) Acenaphthene	14.43	154	811	0.035	ng	# 87
18) Fluorene	15.41	166	755	0.026	ng	# 86
22) Pentachlorophenol	16.83	266	5	0.099	ng	# 82
23) Phenanthrene	17.15	178	4320	0.081	ng	# 96
26) Fluoranthene	19.17	202	3910	0.054	ng	# 96
28) Pyrene	19.53	202	3076	0.040	ng	# 85
32) Bis(2-ethylhexyl)phthalate	21.21	149	108905	1.096	ng	# 100

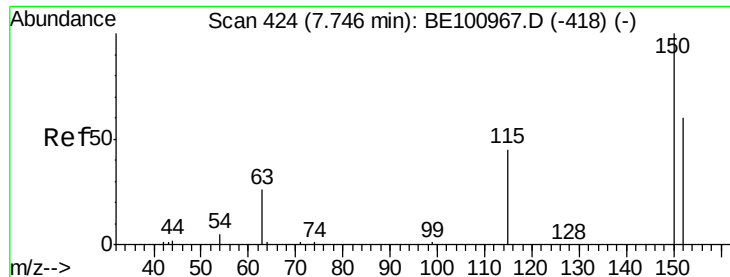
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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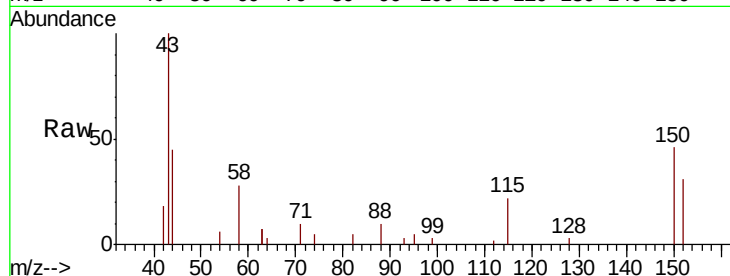


#1

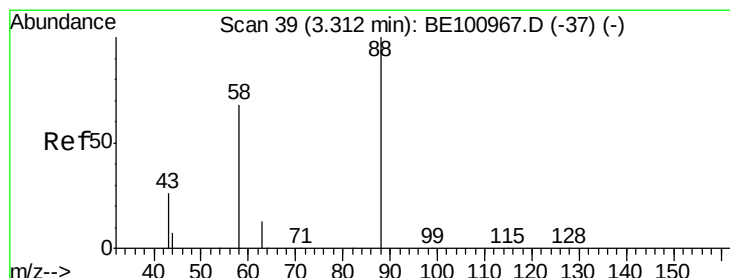
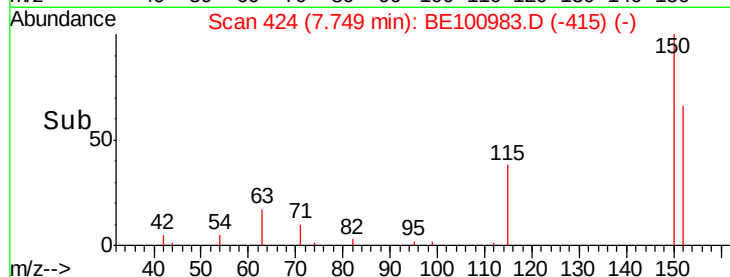
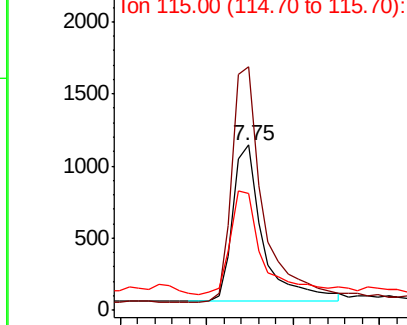
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.75 min Scan# 424
Delta R.T. 0.00 min
Lab File: BE100983.D
Acq: 26 Dec 2019 22:31

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 2628
Ion Ratio Lower Upper
152 100
150 147.6 132.6 199.0
115 70.9 64.1 96.1



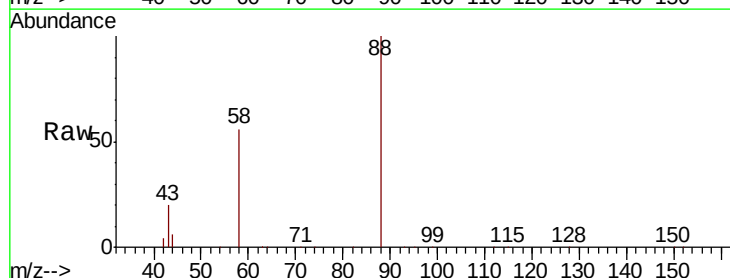
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



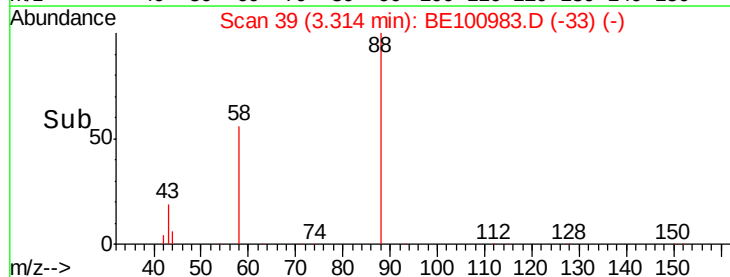
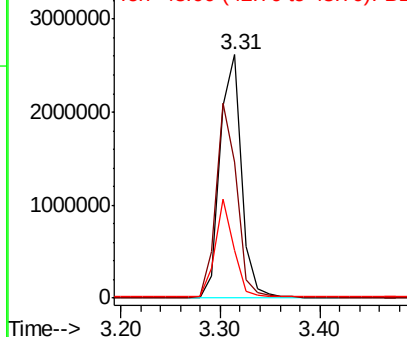
#2

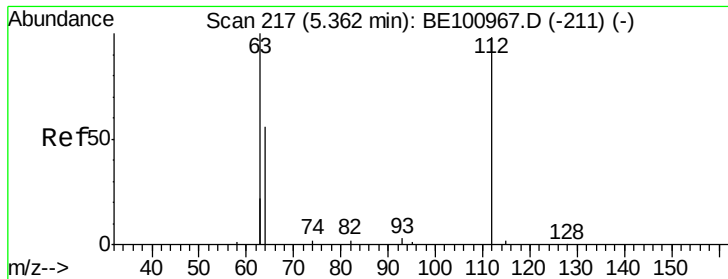
1,4-Dioxane
Concen: 789.945 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE100983.D
Acq: 26 Dec 2019 22:31

Tgt Ion: 88 Resp: 3916746
Ion Ratio Lower Upper
88 100
58 77.0 44.2 66.4#
43 34.6 21.0 31.6#



Abundance Ion 88.00 (87.70 to 88.70): BE1
Ion 58.00 (57.70 to 58.70): BE1
Ion 43.00 (42.70 to 43.70): BE1





#4

2-Fluorophenol

Concen: 0.383 ng

RT: 5.35 min Scan# 216

Delta R.T. -0.01 min

Lab File: BE100983.D

Acq: 26 Dec 2019 22:31

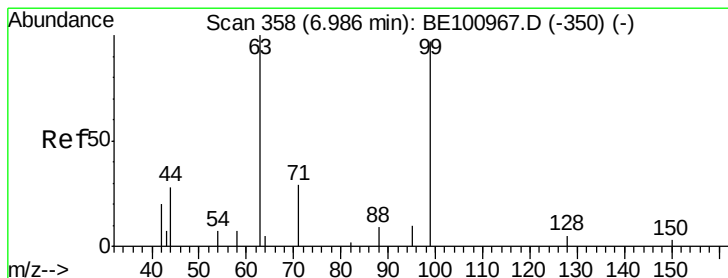
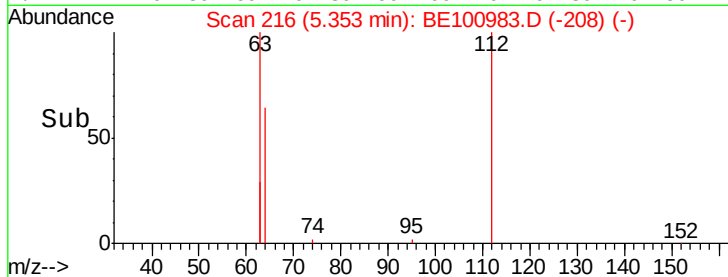
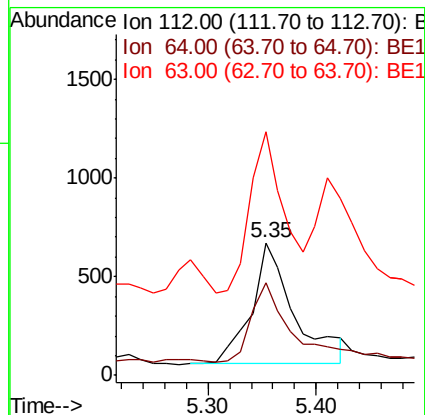
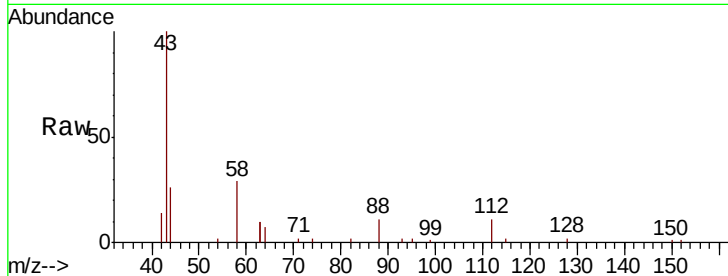
Instrument :

BNA_E

ClientSampleId :

Tot Ion:112 Resp: 1703

Ion	Ratio	Lower	Upper
112	100		
64	59.7	59.0	88.6
63	105.4	121.4	182.0#



#5

Phenol-d6

Concen: 0.306 ng

RT: 6.93 min Scan# 353

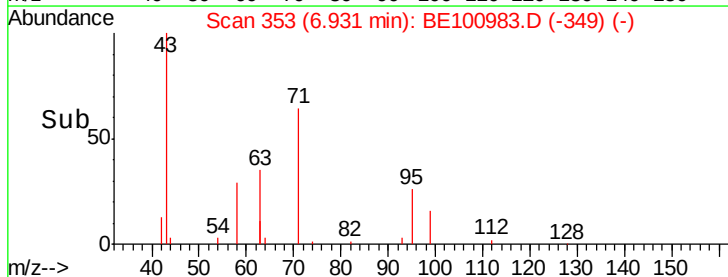
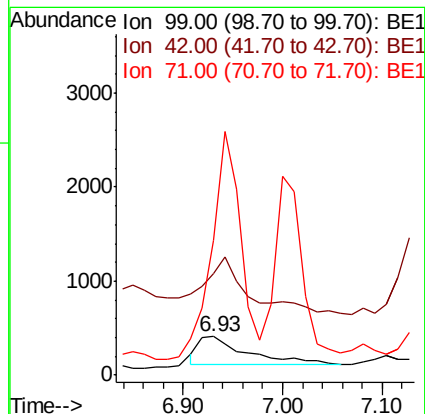
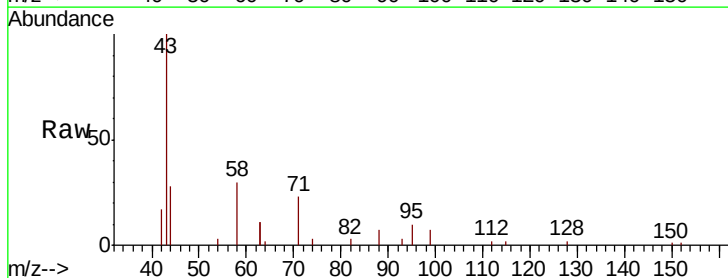
Delta R.T. -0.06 min

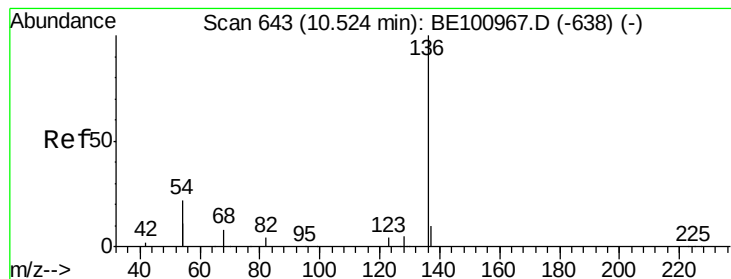
Lab File: BE100983.D

Acq: 26 Dec 2019 22:31

Tgt Ion: 99 Resp: 986

Ion	Ratio	Lower	Upper
99	100		
42	176.0	0.0	0.0#
71	396.1	0.0	0.0#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.51 min Scan# 642

Delta R.T. -0.01 min

Lab File: BE100983.D

Acq: 26 Dec 2019 22:31

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 13738

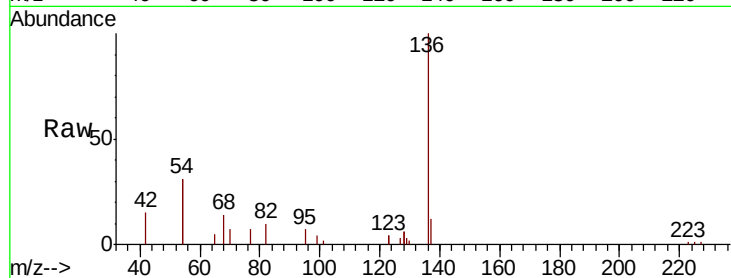
Ion Ratio Lower Upper

136 100

137 11.6 9.0 13.6

54 61.1 34.4 51.6#

68 14.1 7.8 11.6#

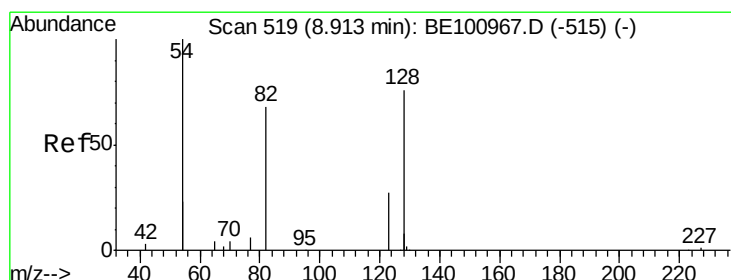
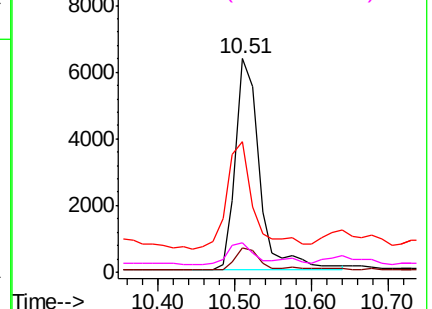
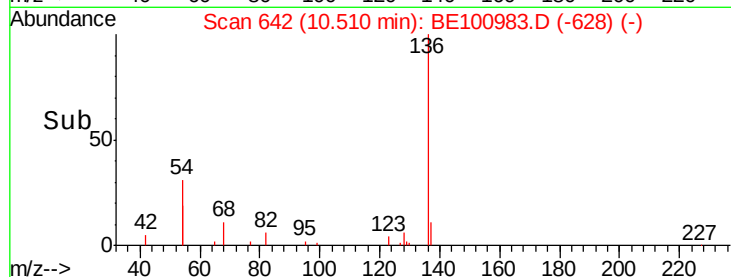


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.572 ng

RT: 8.89 min Scan# 517

Delta R.T. -0.03 min

Lab File: BE100983.D

Acq: 26 Dec 2019 22:31

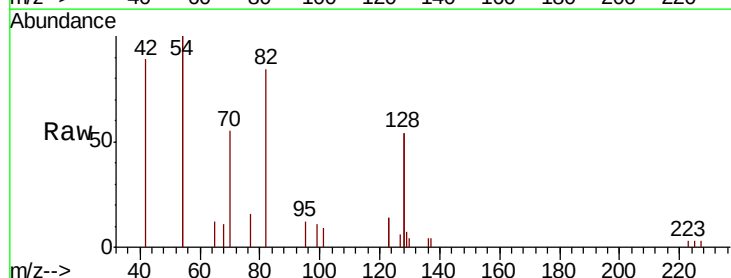
Tgt Ion: 82 Resp: 3728

Ion Ratio Lower Upper

82 100

128 127.7 140.2 210.2#

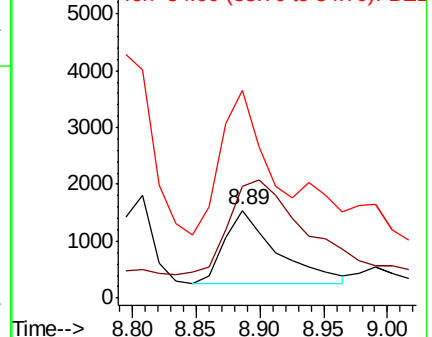
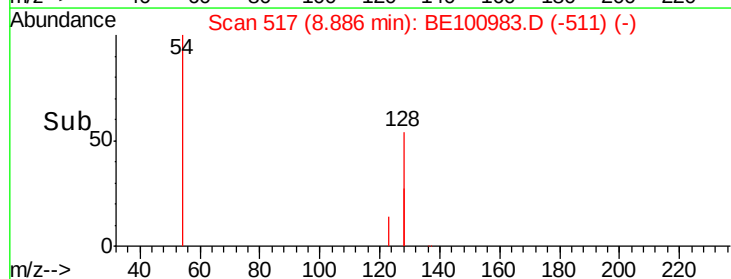
54 237.3 183.8 275.6

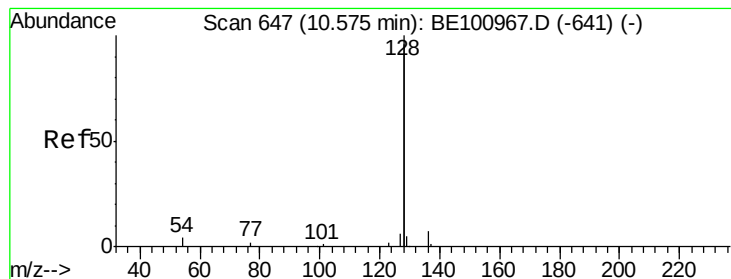


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.033 ng

RT: 10.56 min Scan# 646

Delta R.T. -0.01 min

Lab File: BE100983.D

Acq: 26 Dec 2019 22:31

Instrument :

BNA_E

ClientSampleId :

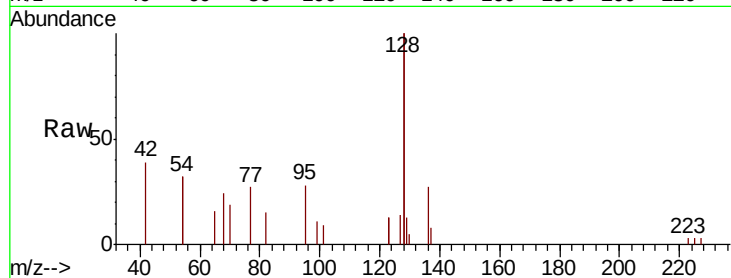
Tot Ion:128 Resp: 4779

Ion Ratio Lower Upper

128 100

129 6.3 2.6 3.8#

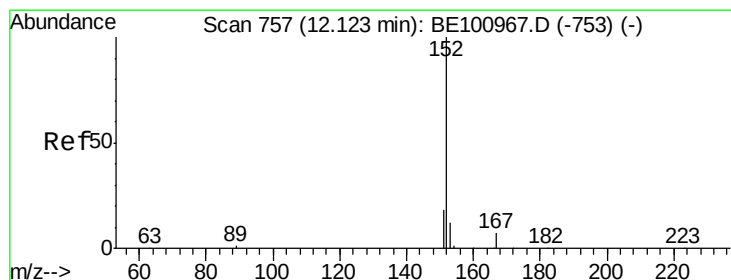
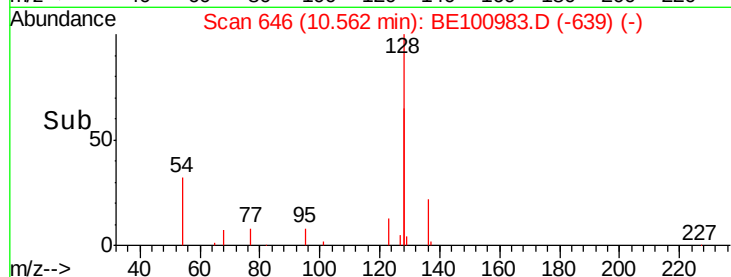
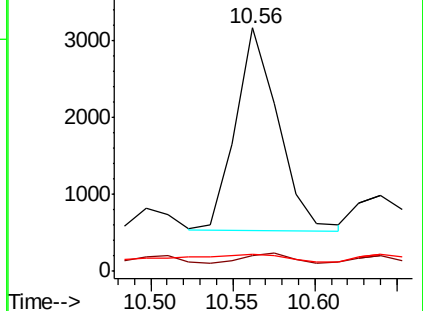
127 7.2 2.8 4.2#



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



#11

2-Methylnaphthalene-d10

Concen: 0.411 ng

RT: 12.11 min Scan# 756

Delta R.T. -0.01 min

Lab File: BE100983.D

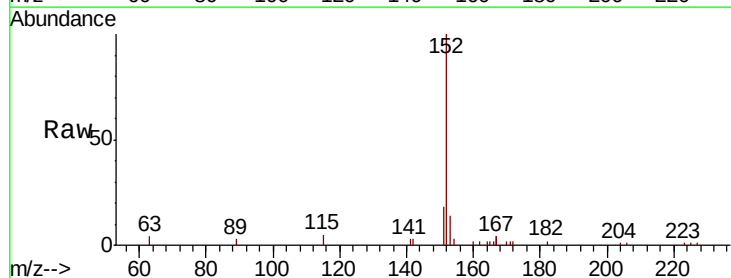
Acq: 26 Dec 2019 22:31

Tgt Ion:152 Resp: 8290

Ion Ratio Lower Upper

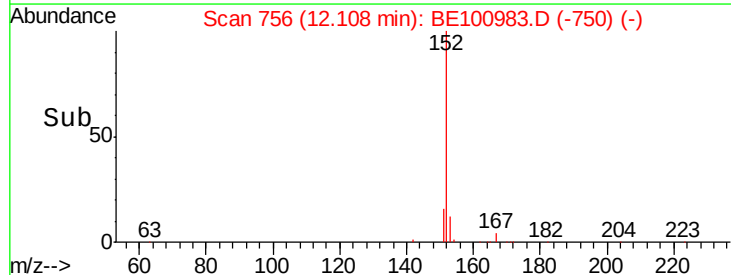
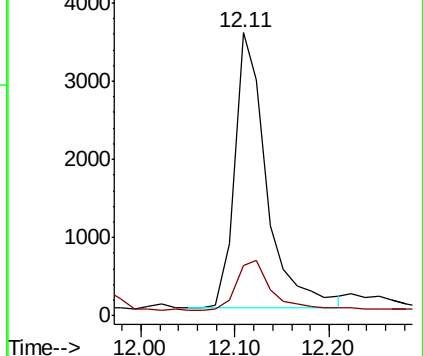
152 100

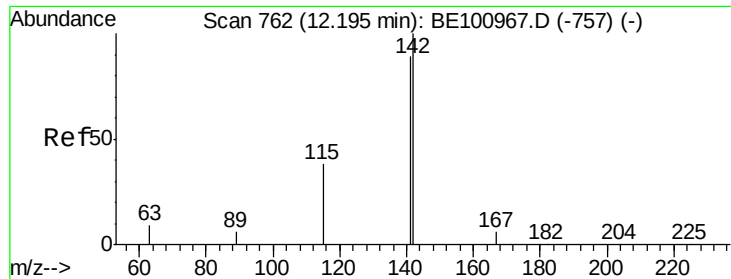
151 20.2 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.022 ng

RT: 12.18 min Scan# 761

Delta R.T. -0.01 min

Lab File: BE100983.D

Acq: 26 Dec 2019 22:31

Instrument :

BNA_E

ClientSampleId :

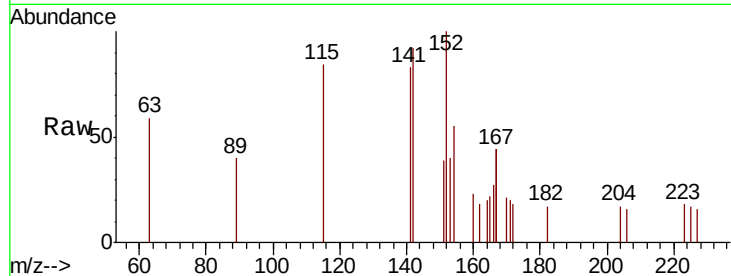
Tot Ion:142 Resp: 476

Ion Ratio Lower Upper

142 100

141 90.3 70.8 106.2

115 90.6 32.0 48.0#

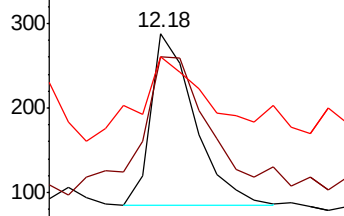


Abundance

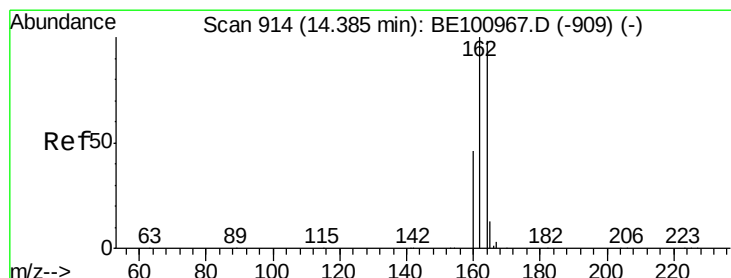
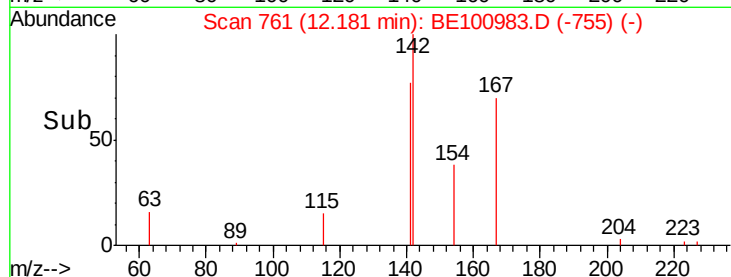
Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.37 min Scan# 913

Delta R.T. -0.01 min

Lab File: BE100983.D

Acq: 26 Dec 2019 22:31

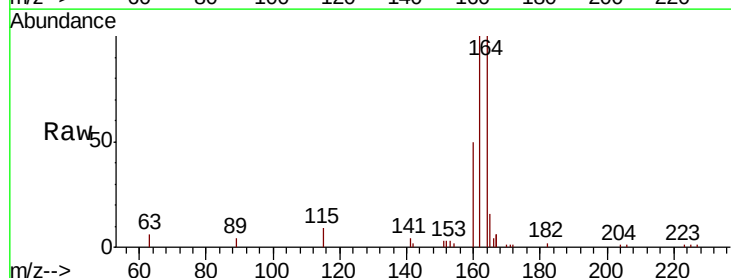
Tgt Ion:164 Resp: 8443

Ion Ratio Lower Upper

164 100

162 100.2 81.6 122.4

160 50.3 37.7 56.5

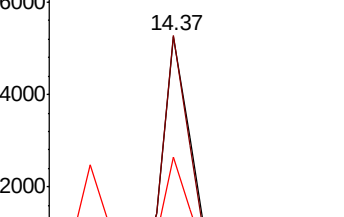


Abundance

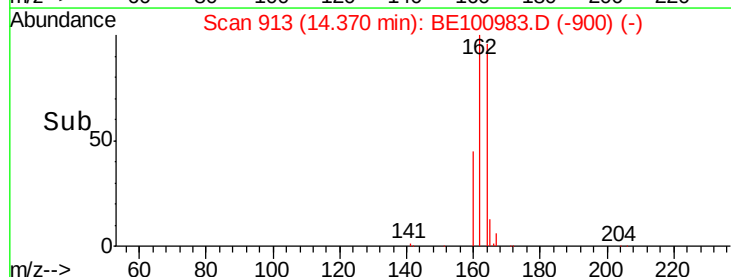
Ion 164.00 (163.70 to 164.70): E

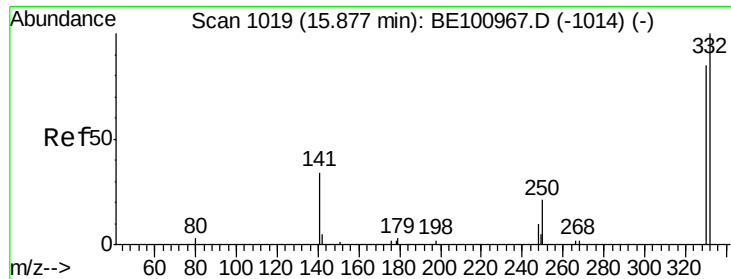
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

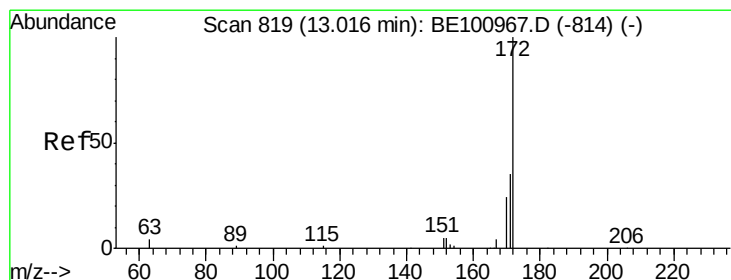
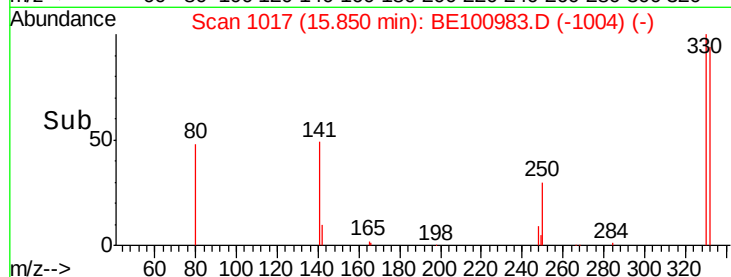
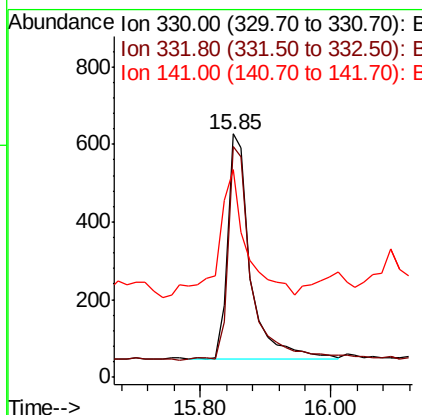
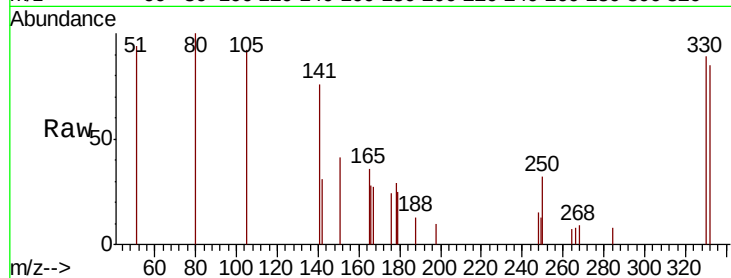




#14
 2,4,6-Tribromophenol
 Concen: 0.701 ng
 RT: 15.85 min Scan# 1017
 Delta R.T. -0.03 min
 Lab File: BE100983.D
 Acq: 26 Dec 2019 22:31

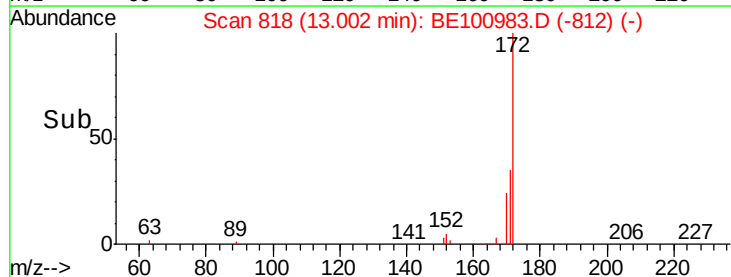
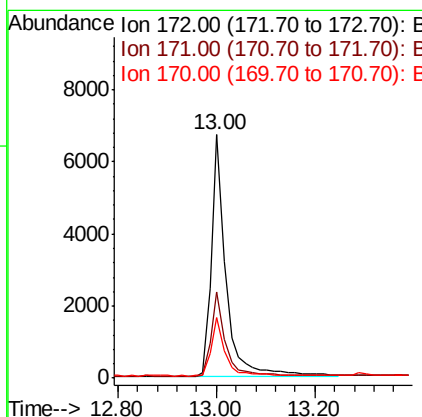
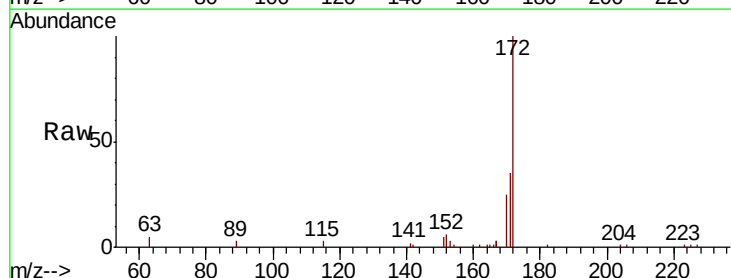
Instrument :
 BNA_E
 ClientSampleId :

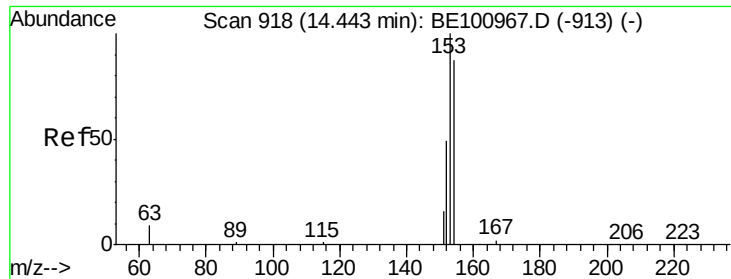
Tot Ion:330 Resp: 1429
 Ion Ratio Lower Upper
 330 100
 332 96.2 72.4 108.6
 141 69.1 25.4 38.2#



#15
 2-Fluorobiphenyl
 Concen: 0.453 ng
 RT: 13.00 min Scan# 818
 Delta R.T. -0.01 min
 Lab File: BE100983.D
 Acq: 26 Dec 2019 22:31

Tgt Ion:172 Resp: 13590
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.0 43.6
 170 24.7 20.0 30.0

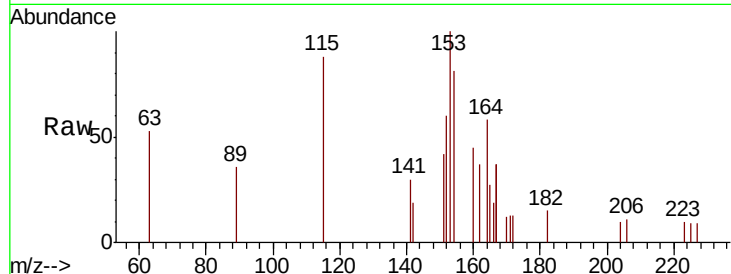




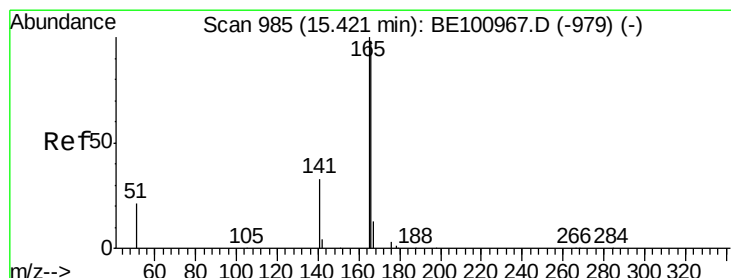
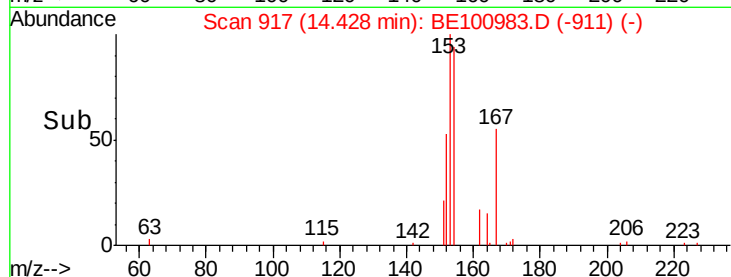
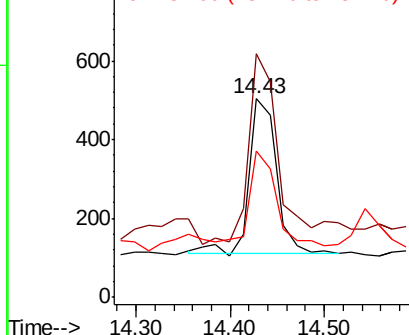
#17
Acenaphthene
Concen: 0.035 ng
RT: 14.43 min Scan# 917
Delta R.T. -0.01 min
Lab File: BE100983.D
Acq: 26 Dec 2019 22:31

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 811
Ion Ratio Lower Upper
154 100
153 133.9 91.7 137.5
152 56.8 44.5 66.7

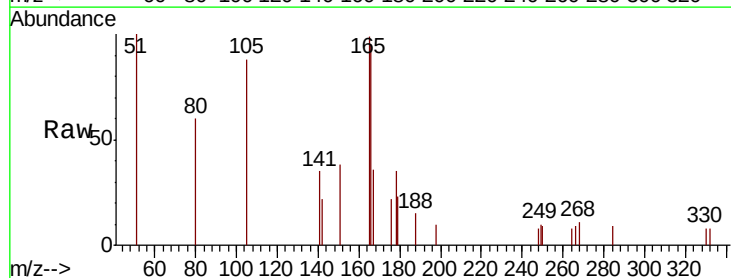


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

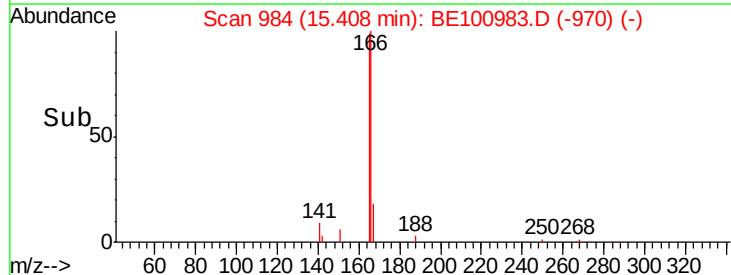
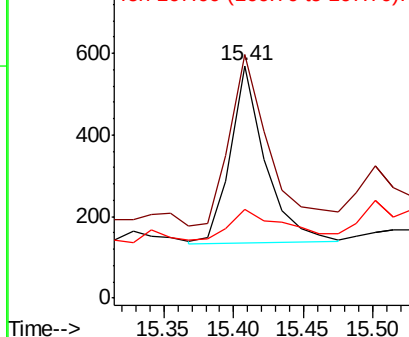


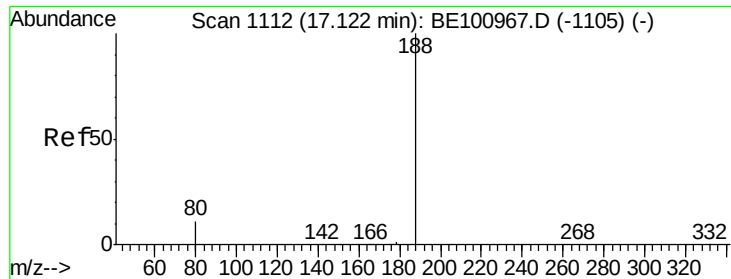
#18
Fluorene
Concen: 0.026 ng
RT: 15.41 min Scan# 984
Delta R.T. -0.01 min
Lab File: BE100983.D
Acq: 26 Dec 2019 22:31

Tgt Ion:166 Resp: 755
Ion Ratio Lower Upper
166 100
165 111.0 79.4 119.0
167 0.0 10.6 15.8#



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: 17.11 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BE100983.D

Acq: 26 Dec 2019 22:31

Instrument :

BNA_E

ClientSampled :

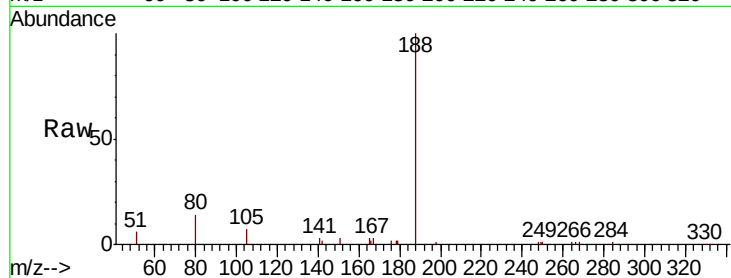
Tot Ion:188 Resp: 20600

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

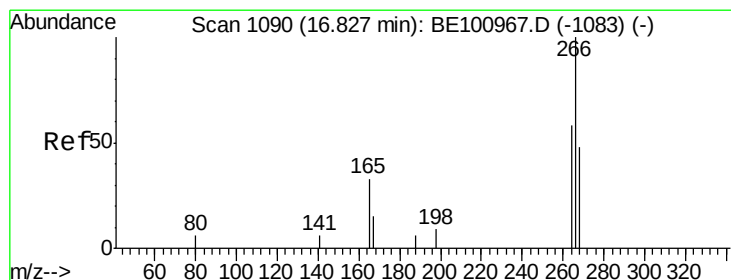
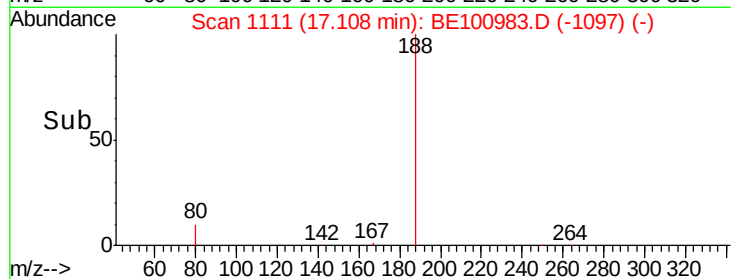
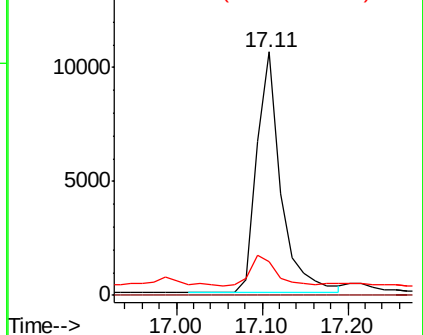
80 14.0 9.7 14.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#22

Pentachlorophenol

Concen: 0.099 ng

RT: 16.83 min Scan# 1090

Delta R.T. 0.00 min

Lab File: BE100983.D

Acq: 26 Dec 2019 22:31

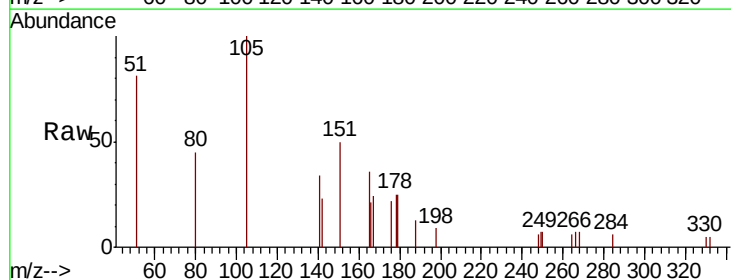
Tgt Ion:266 Resp: 5

Ion Ratio Lower Upper

266 100

264 86.6 62.3 93.5

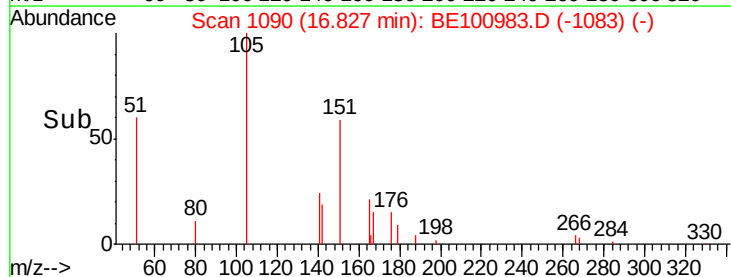
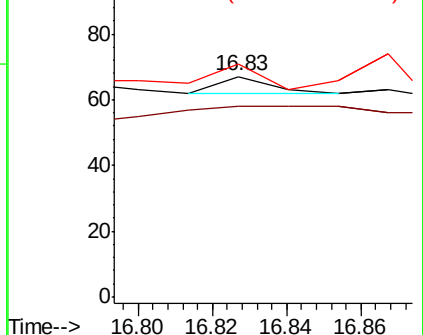
268 106.0 66.1 99.1#

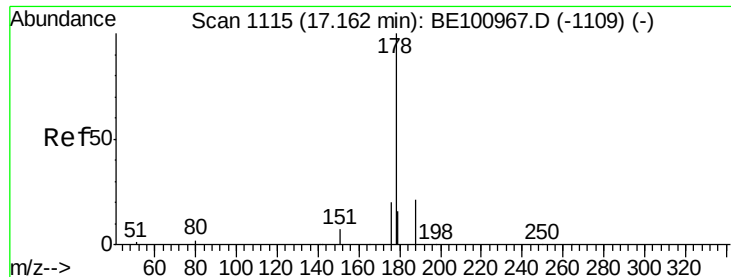


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.081 ng

RT: 17.15 min Scan# 1114

Delta R.T. -0.01 min

Lab File: BE100983.D

Acq: 26 Dec 2019 22:31

Instrument :

BNA_E

ClientSampleId :

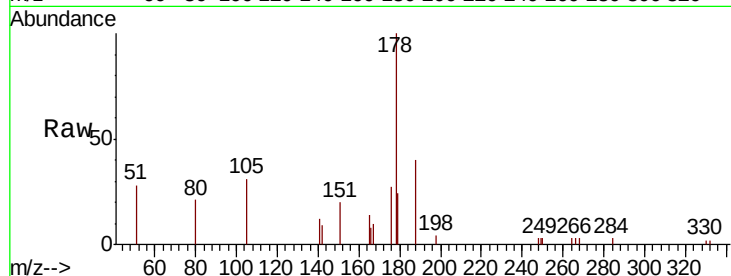
Tot Ion:178 Resp: 4320

Ion Ratio Lower Upper

178 100

176 21.7 15.7 23.5

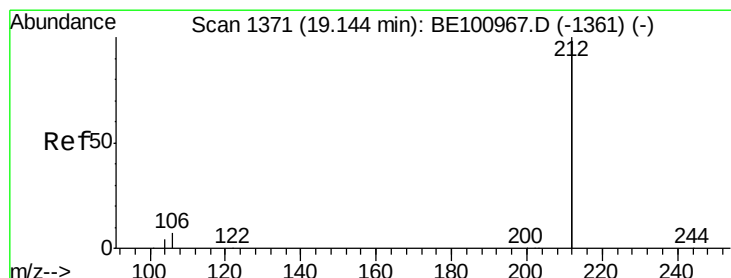
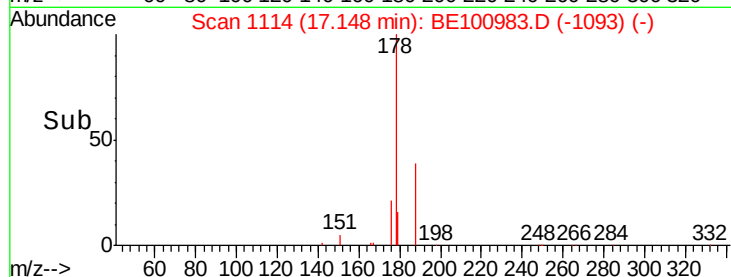
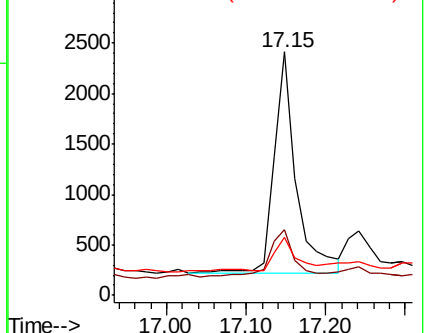
179 14.2 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.471 ng

RT: 19.14 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BE100983.D

Acq: 26 Dec 2019 22:31

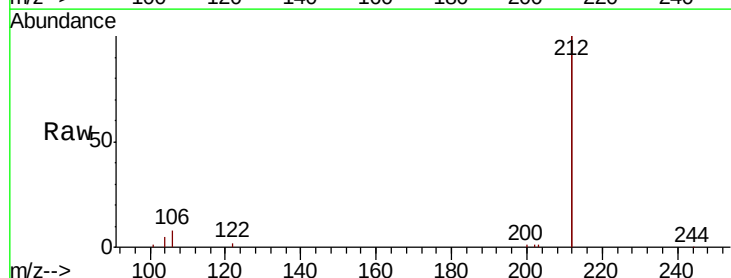
Tgt Ion:212 Resp: 117744

Ion Ratio Lower Upper

212 100

106 3.6 2.4 3.6#

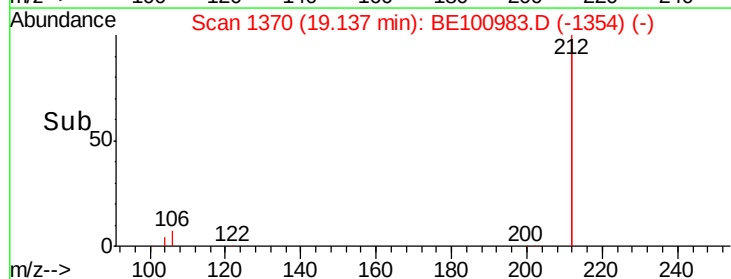
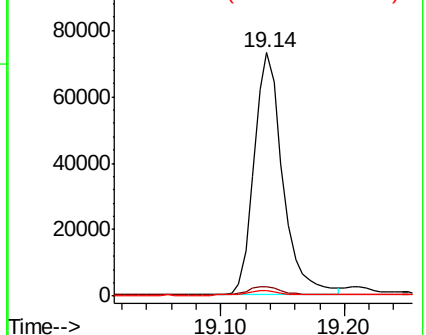
104 2.2 1.4 2.0#

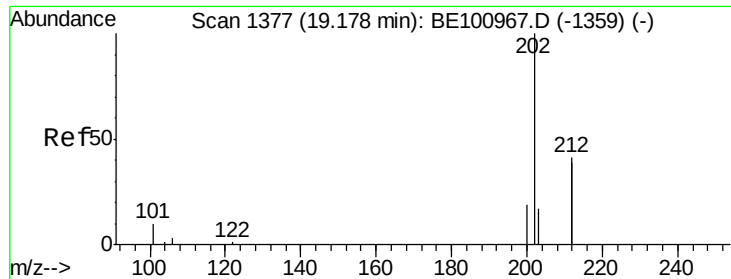


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

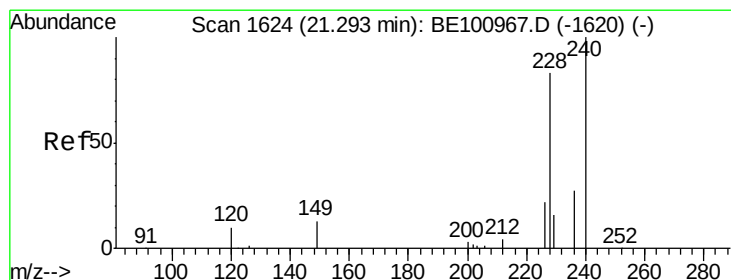
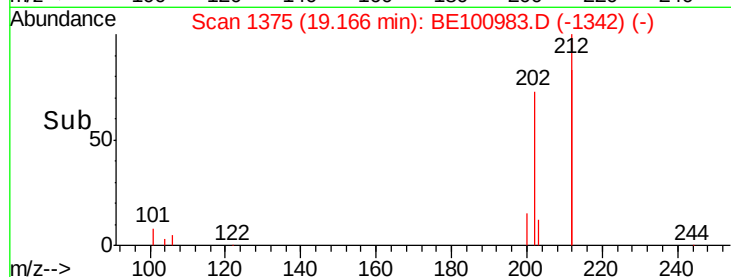
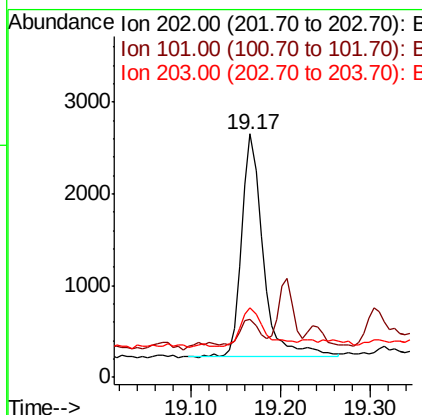
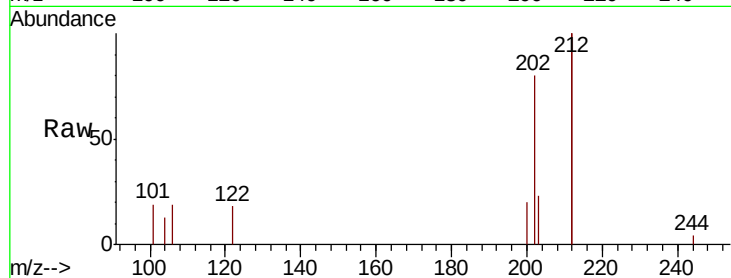




#26
Fluoranthene
Concen: 0.054 ng
RT: 19.17 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BE100983.D
Acq: 26 Dec 2019 22:31

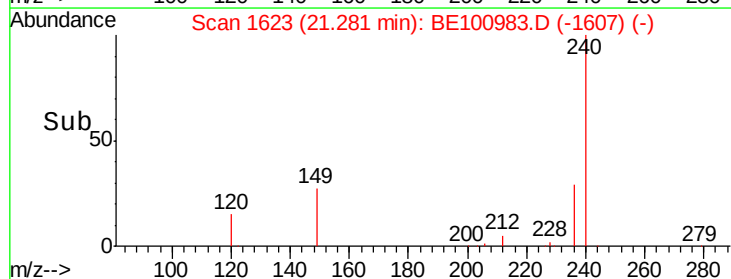
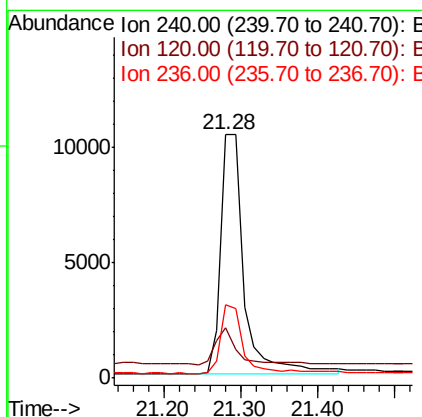
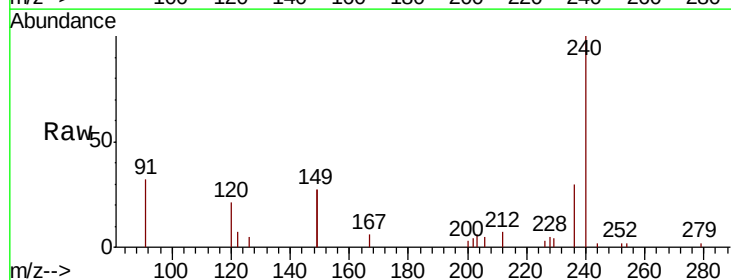
Instrument :
BNA_E
ClientSampleId :

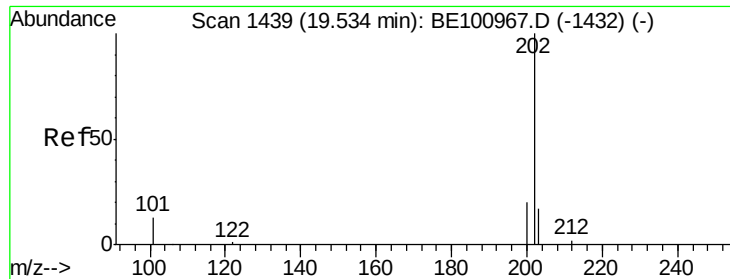
Tot Ion:202 Resp: 3910
Ion Ratio Lower Upper
202 100
101 10.2 9.0 13.4
203 18.3 13.2 19.8



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BE100983.D
Acq: 26 Dec 2019 22:31

Tgt Ion:240 Resp: 21721
Ion Ratio Lower Upper
240 100
120 20.7 10.2 15.4#
236 30.3 22.6 34.0

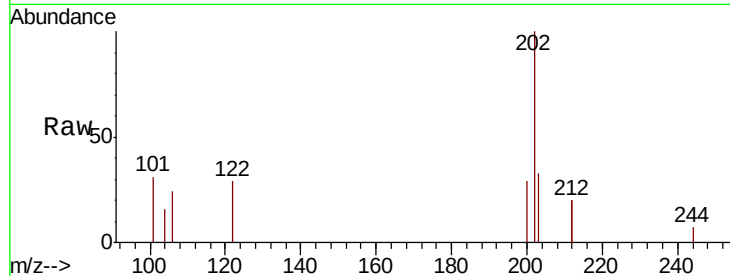




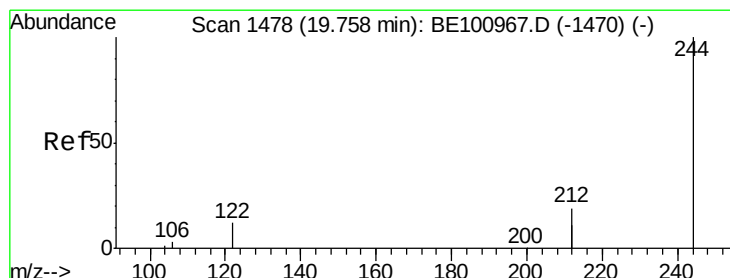
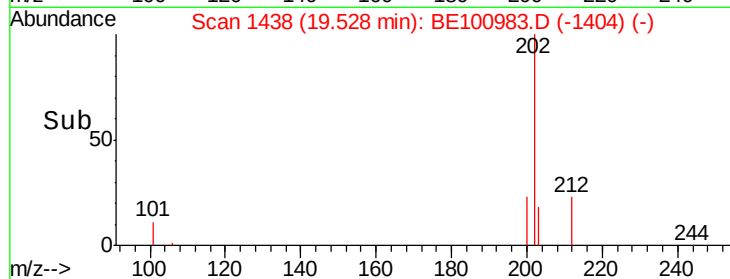
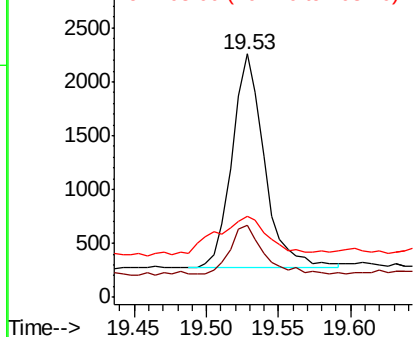
#28
Pvrene
Concen: 0.040 ng
RT: 19.53 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BE100983.D
Acq: 26 Dec 2019 22:31

Instrument :
BNA_E
ClientSampleId :

Tot Ion:202 Resp: 3076
Ion Ratio Lower Upper
202 100
200 24.1 16.6 25.0
203 27.5 13.8 20.6#

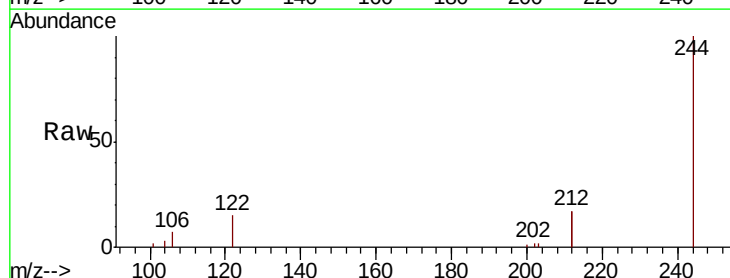


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

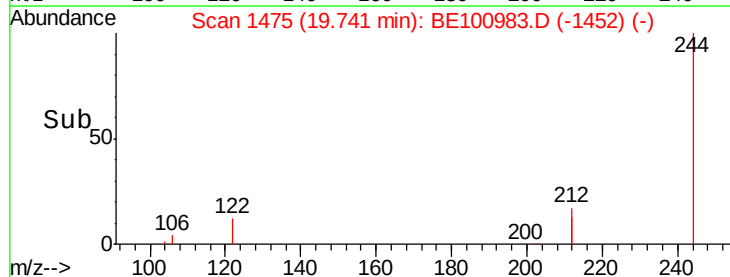
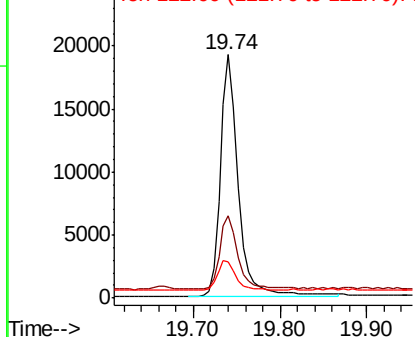


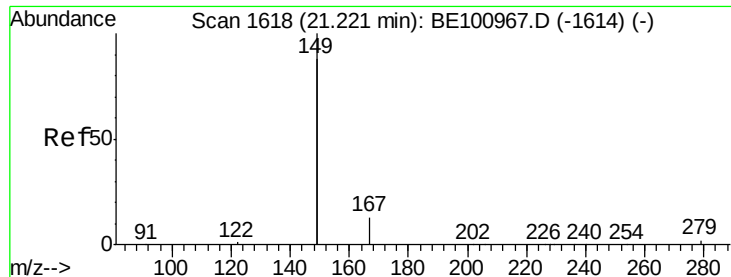
#29
Terphenyl-d14
Concen: 0.555 ng
RT: 19.74 min Scan# 1475
Delta R.T. -0.02 min
Lab File: BE100983.D
Acq: 26 Dec 2019 22:31

Tgt Ion:244 Resp: 27699
Ion Ratio Lower Upper
244 100
212 33.8 29.3 43.9
122 14.9 10.2 15.4



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





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.096 ng

RT: 21.21 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BE100983.D

Acq: 26 Dec 2019 22:31

Instrument :

BNA_E

ClientSampleId :

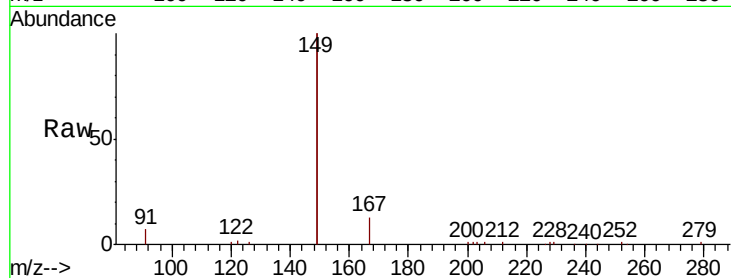
Tot Ion:149 Resp: 108905

Ion Ratio Lower Upper

149 100

167 6.4 5.1 7.7

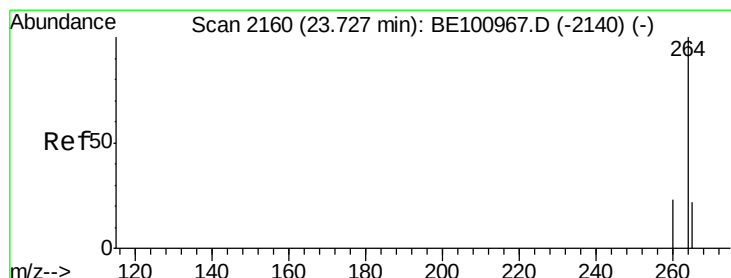
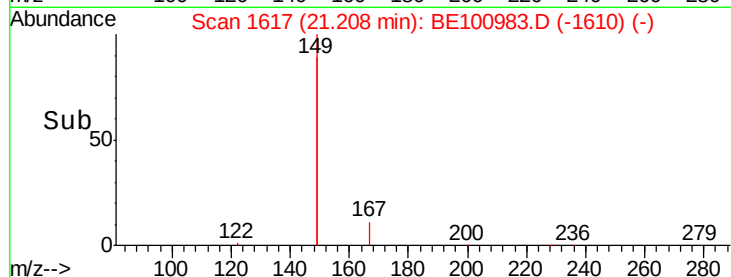
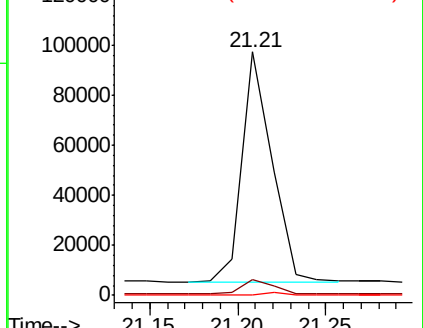
279 0.8 0.6 1.0



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.72 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BE100983.D

Acq: 26 Dec 2019 22:31

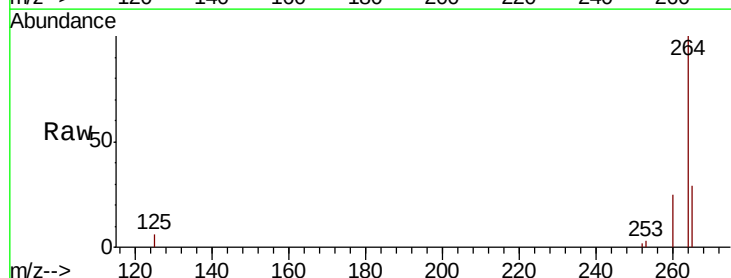
Tgt Ion:264 Resp: 24714

Ion Ratio Lower Upper

264 100

260 24.5 19.1 28.7

265 29.5 26.6 40.0



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

