

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051719\
 Data File : BF114372.D
 Acq On : 18 May 2019 2:02
 Operator : JU/SJ
 Sample : K2894-15
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 18 05:08:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	222156	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	816366	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	324024	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	517325	20.00	ng	0.00
76) Chrysene-d12	14.08	240	134593	20.00	ng	0.06
87) Perylene-d12	15.59	264	146450	20.00	ng	0.09

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1101650	79.80	ng	0.00
7) Phenol-d6	6.49	99	1445722	88.55	ng	0.00
23) Nitrobenzene-d5	7.41	82	861295	59.21	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	173467	51.78	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1385794	64.69	ng	0.00
79) Terphenyl-d14	12.99	244	637008	97.56	ng	0.04

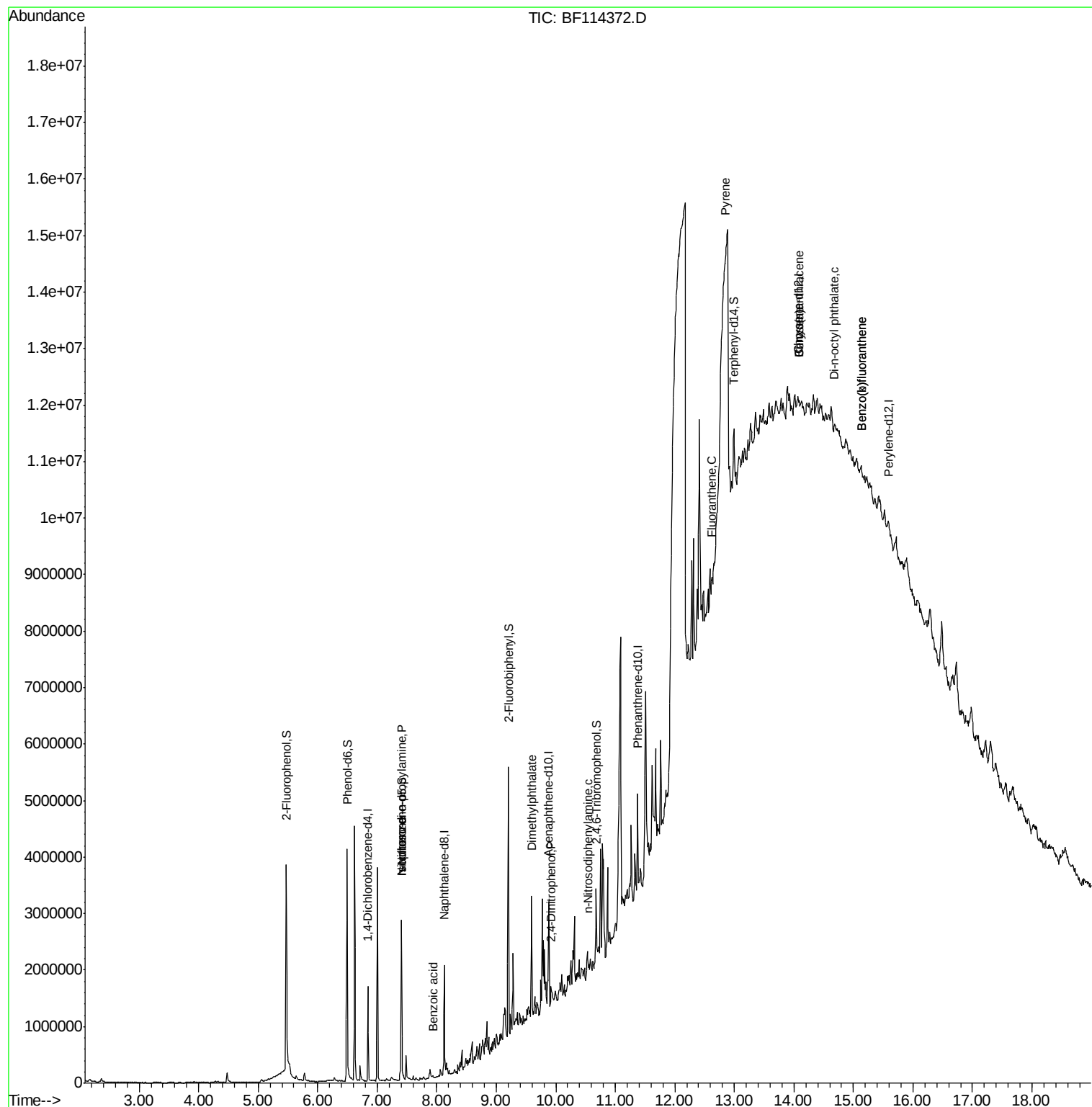
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	118051	11.407	ng	# 75
25) Isophorone	7.41	82	854270	31.665	ng	# 64
32) Benzoic acid	7.93	122	4550	7.503	ng	# 63
50) Dimethylphthalate	9.59	163	242183	10.182	ng	# 88
54) 2,4-Dinitrophenol	9.93	184	515	6.923	ng	# 1
66) n-Nitrosodiphenylamine	10.55	169	42925	2.734	ng	# 40
75) Fluoranthene	12.61	202	109114	4.026	ng	# 70
78) Pyrene	12.84	202	59090	5.457	ng	# 65
81) Benzo(a)anthracene	14.10	228	127627	14.661	ng	# 63
83) Chrysene	14.10	228	127627	14.956	ng	# 69
85) Di-n-octyl phthalate	14.69	149	22023	2.279	ng	# 71
88) Benzo(b)fluoranthene	15.15	252	43583	4.645	ng	# 1
89) Benzo(k)fluoranthene	15.15	252	43583	5.057	ng	# 1

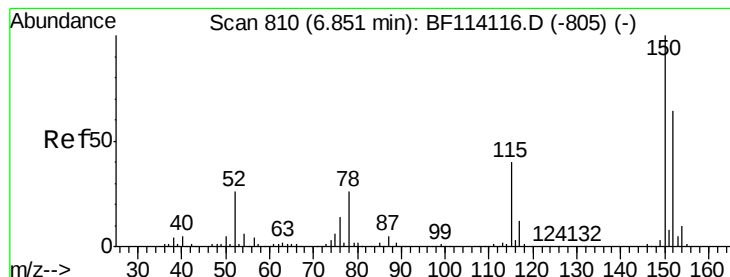
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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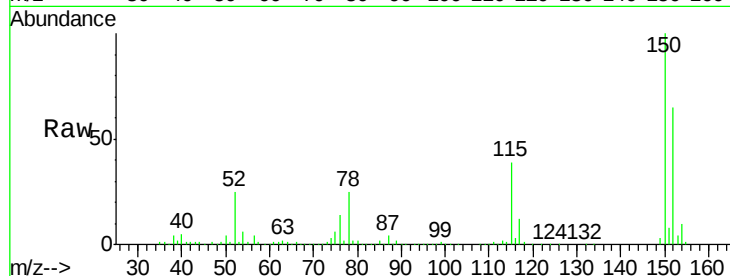


#1

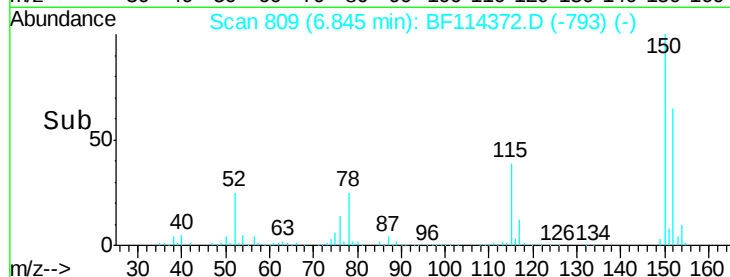
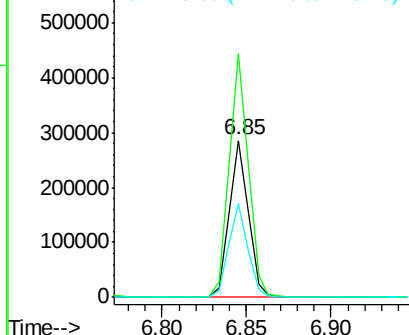
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114372.D
Acq: 18 May 2019 2:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.3	186.5
115	60.0	49.1	73.7



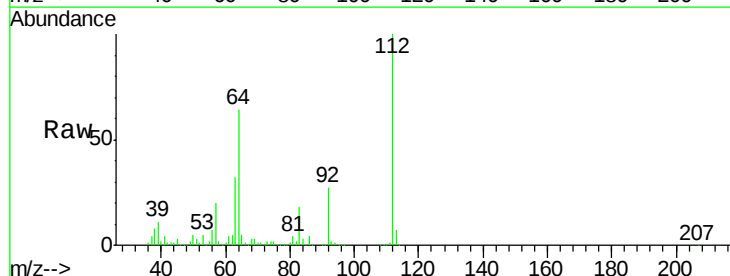
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



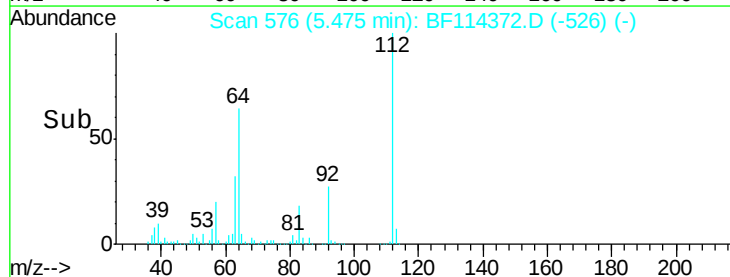
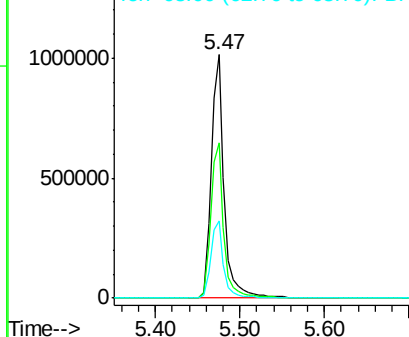
#5

2-Fluorophenol
Concen: 79.802 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114372.D
Acq: 18 May 2019 2:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.8	49.0	73.6
63	31.9	24.6	37.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 88.546 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

Instrument :

BNA_F

ClientSampleId :

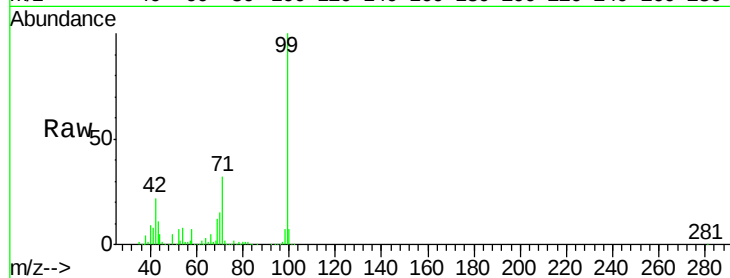
Tot Ion: 99 Resp: 1445722

Ion Ratio Lower Upper

99 100

42 21.9 17.9 26.9

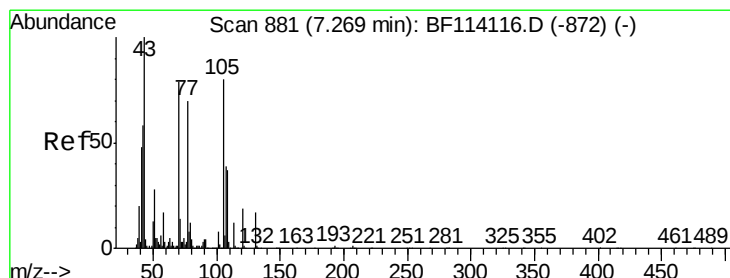
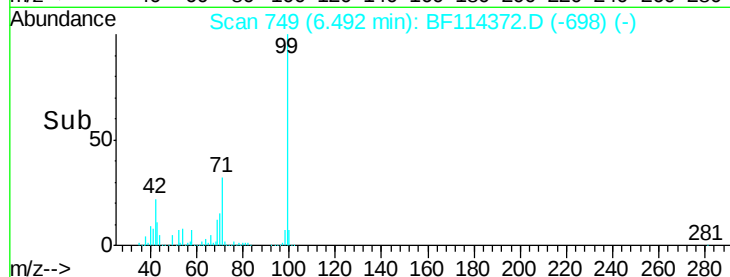
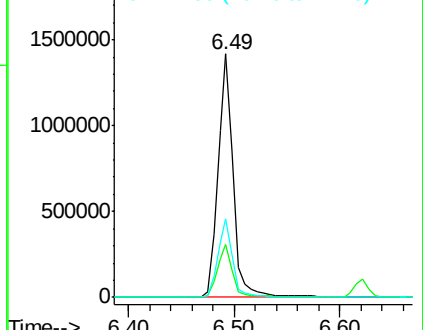
71 32.4 26.2 39.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.407 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

Tgt Ion: 70 Resp: 118051

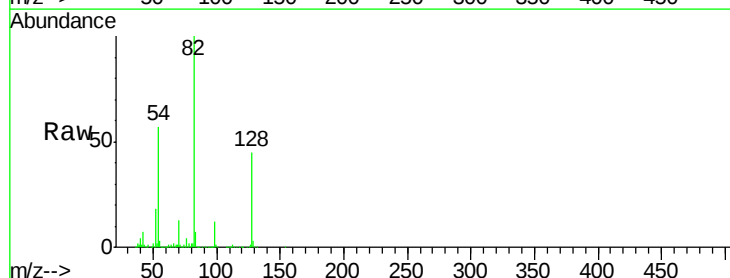
Ion Ratio Lower Upper

70 100

42 55.6 58.6 87.8#

101 0.0 7.8 11.8#

130 2.3 17.1 25.7#

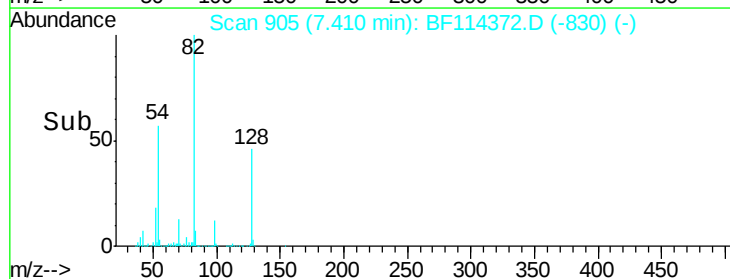
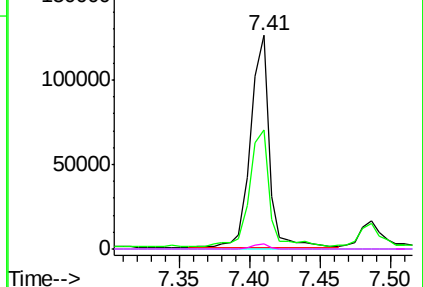


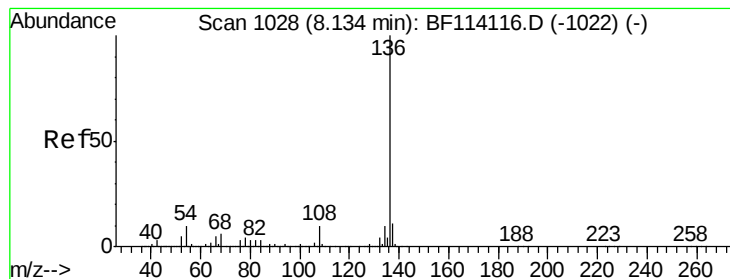
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 816366

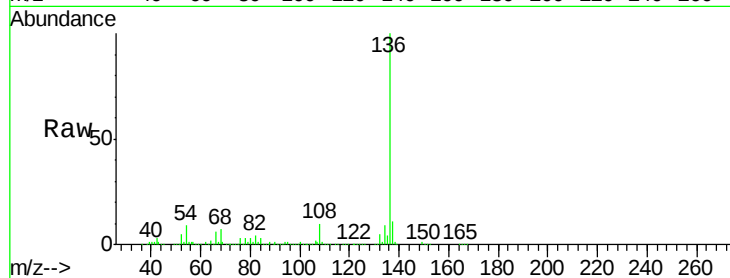
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 9.4 7.8 11.8

68 6.8 5.1 7.7

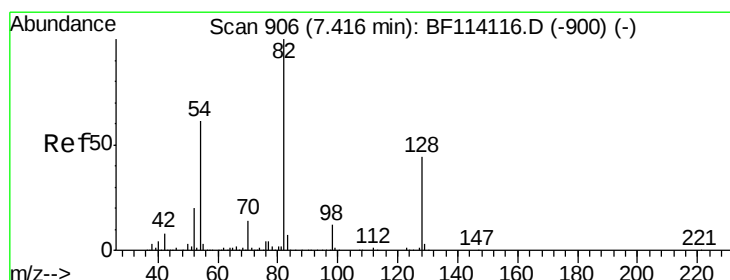
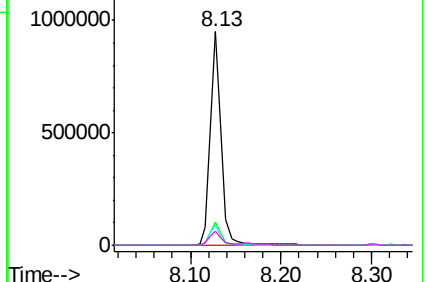
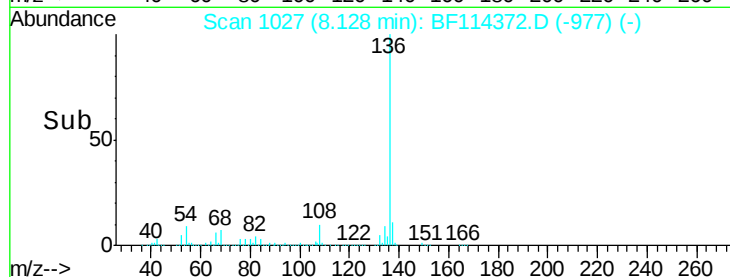


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 59.209 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

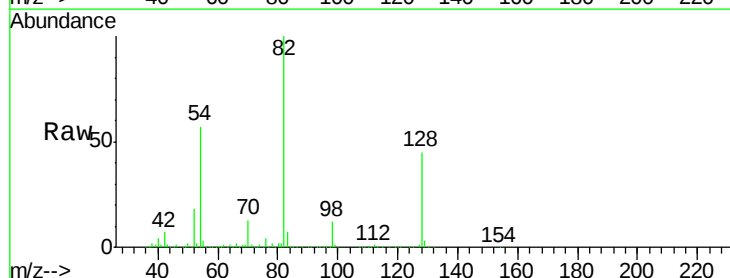
Tgt Ion: 82 Resp: 861295

Ion Ratio Lower Upper

82 100

128 45.5 35.5 53.3

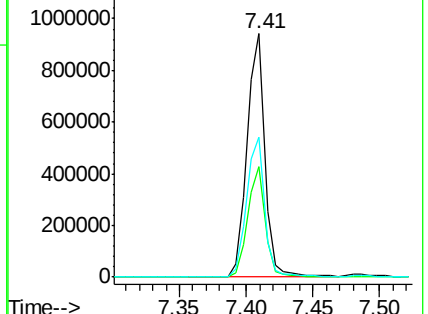
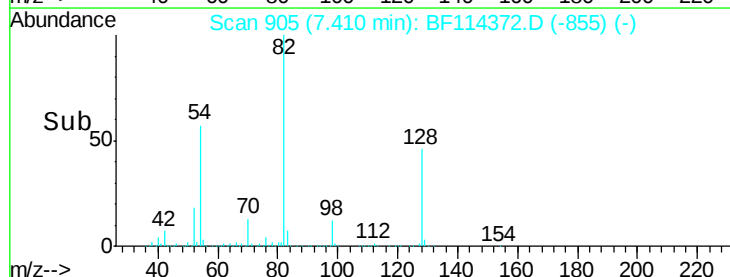
54 57.3 48.5 72.7

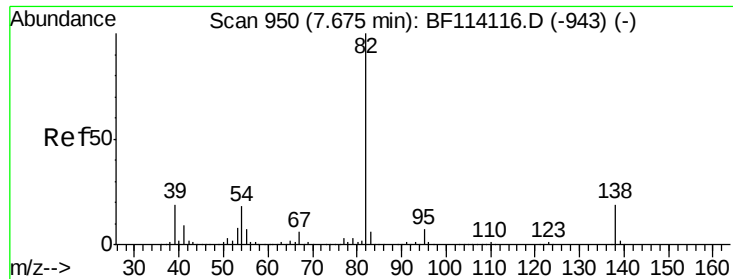


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

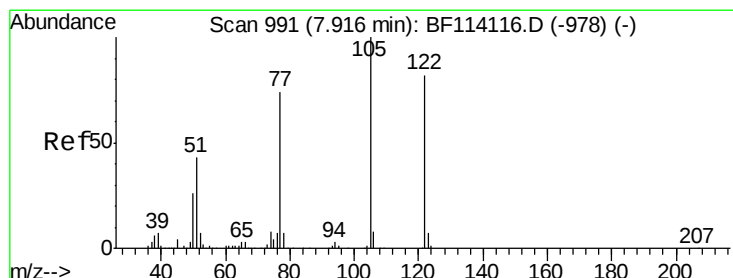
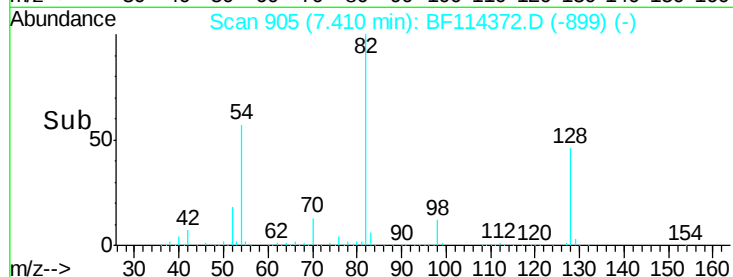
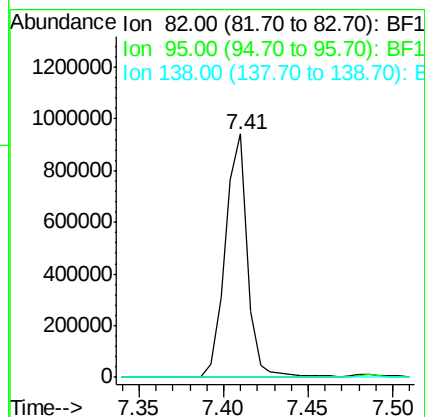
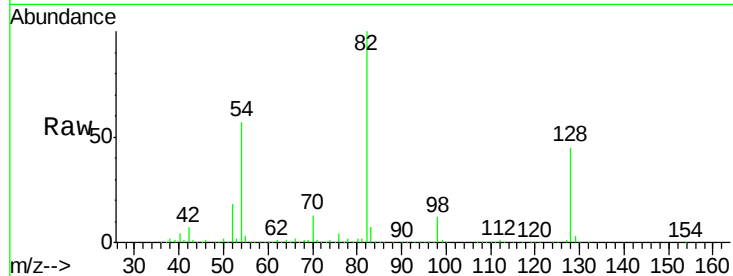




#25
Isophorone
Concen: 31.665 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF114372.D
Acq: 18 May 2019 2:02

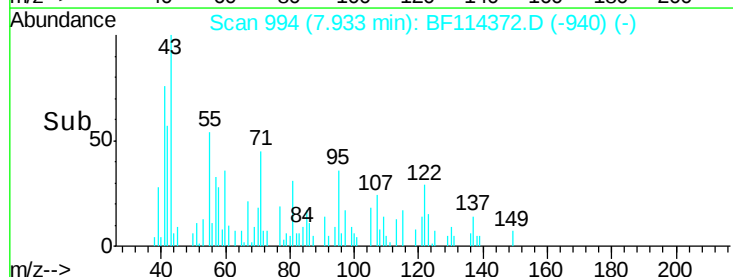
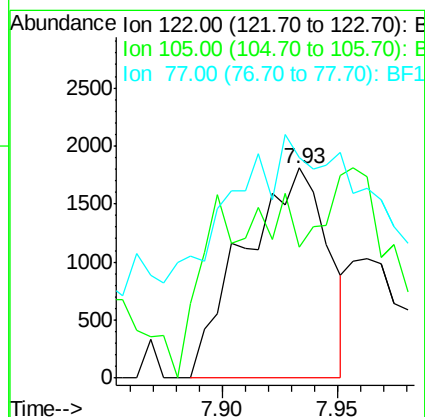
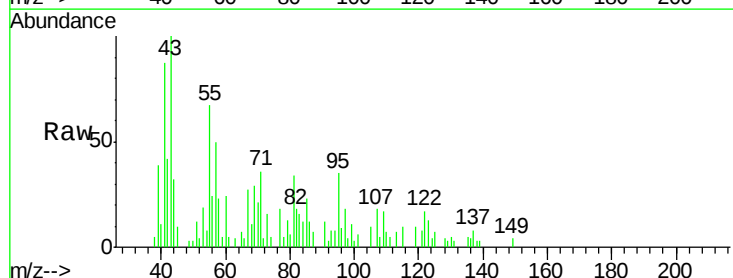
Instrument :
BNA_F
ClientSampleId :

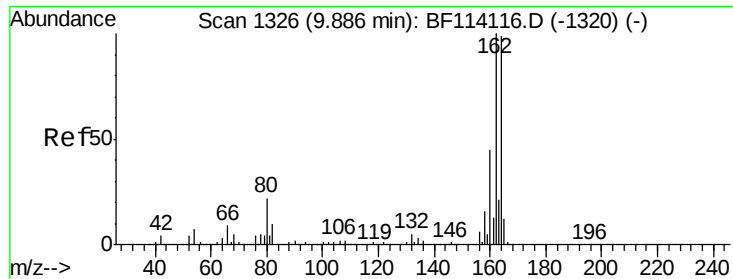
Tot Ion: 82 Resp: 854270
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 14.8 22.2#



#32
Benzoic acid
Concen: 7.503 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.02 min
Lab File: BF114372.D
Acq: 18 May 2019 2:02

Tgt Ion: 122 Resp: 4550
Ion Ratio Lower Upper
122 100
105 62.5 99.9 139.9#
77 105.3 69.4 109.4

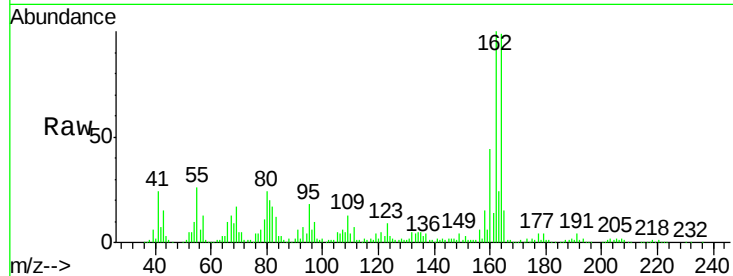




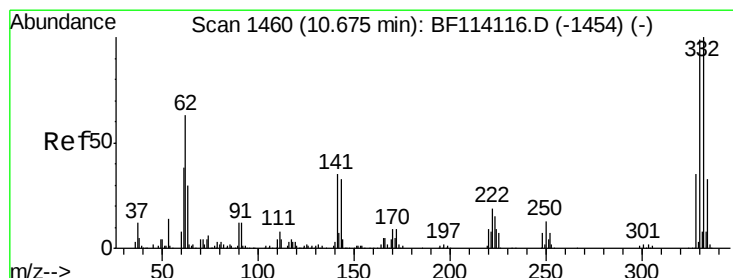
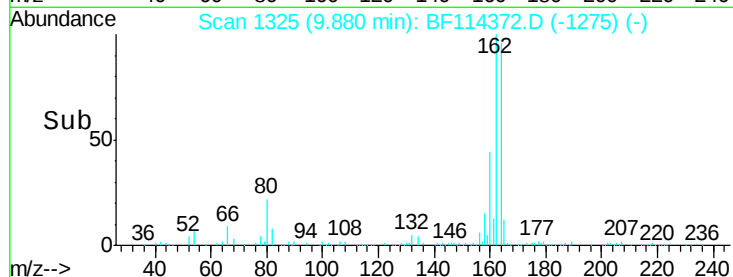
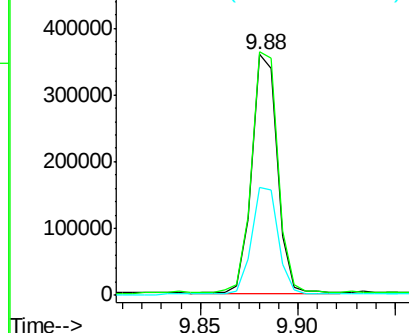
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF114372.D
Acq: 18 May 2019 2:02

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 324024
Ion Ratio Lower Upper
164 100
162 101.2 80.6 120.8
160 44.8 36.5 54.7

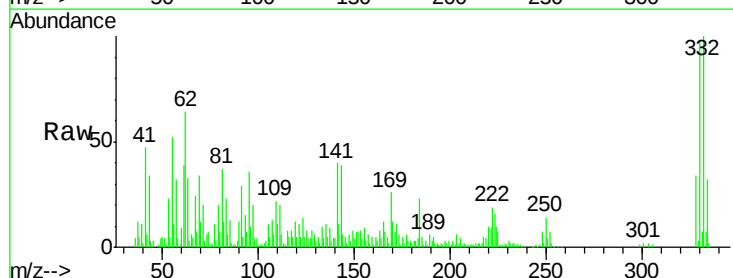


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

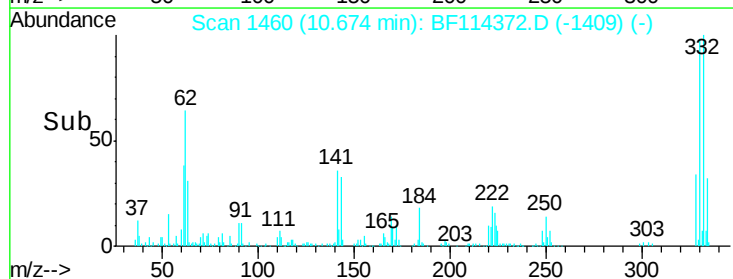
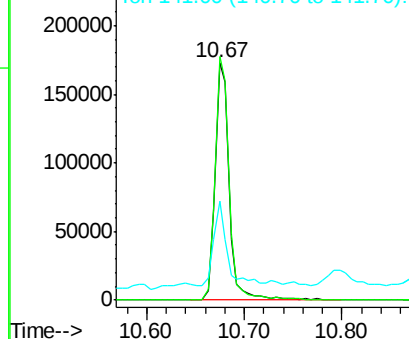


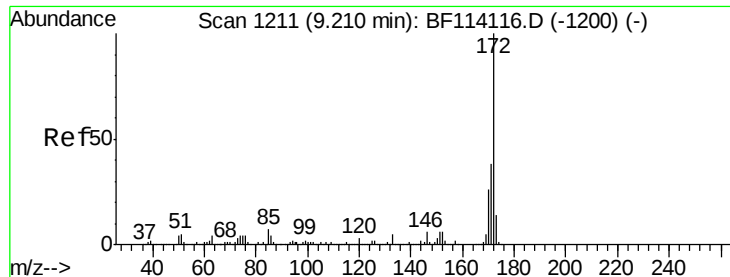
#42
2,4,6-Tribromophenol
Concen: 51.783 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.00 min
Lab File: BF114372.D
Acq: 18 May 2019 2:02

Tgt Ion:330 Resp: 173467
Ion Ratio Lower Upper
330 100
332 102.4 81.4 122.2
141 34.0 26.6 40.0



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 64.694 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

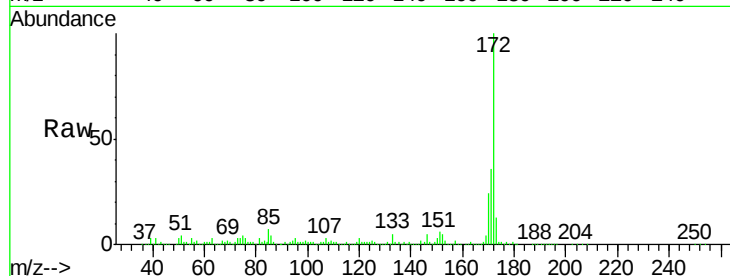
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1385794

Ion	Ratio	Lower	Upper
172	100		
171	35.7	30.7	46.1
170	24.0	20.5	30.7

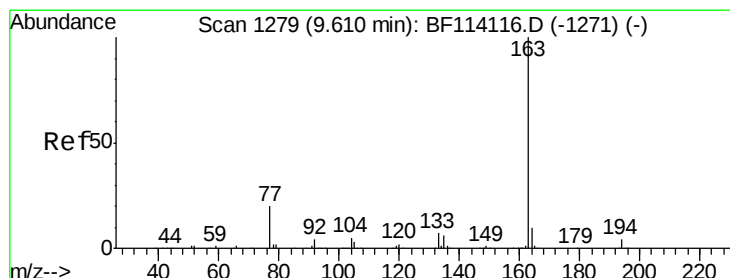
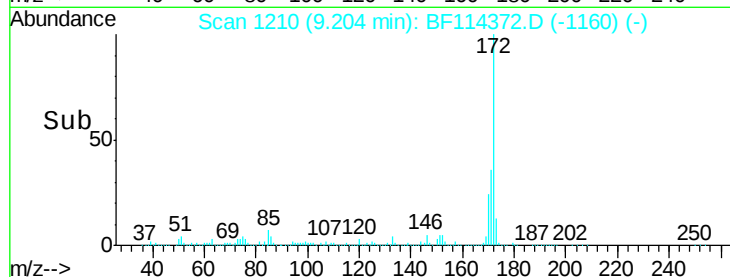
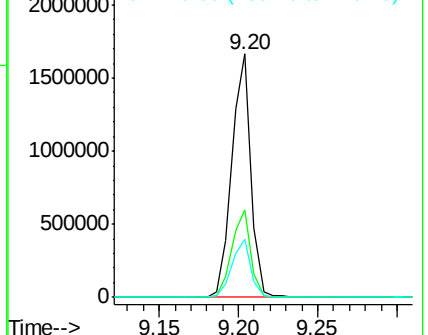


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

Dimethylphthalate

Concen: 10.182 ng

RT: 9.59 min Scan# 1276

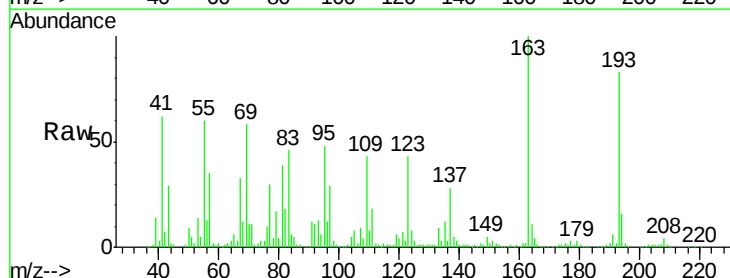
Delta R.T. -0.02 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

Tgt Ion:163 Resp: 242183

Ion	Ratio	Lower	Upper
163	100		
194	16.2	3.4	5.0#
164	10.9	8.2	12.2

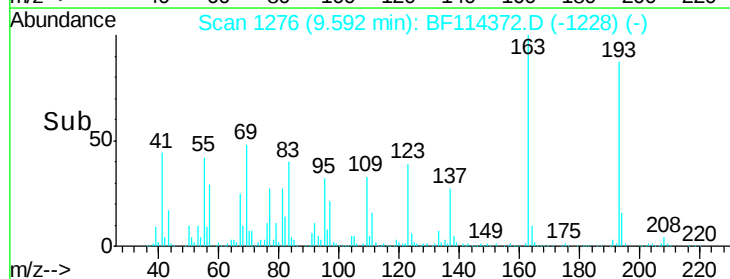
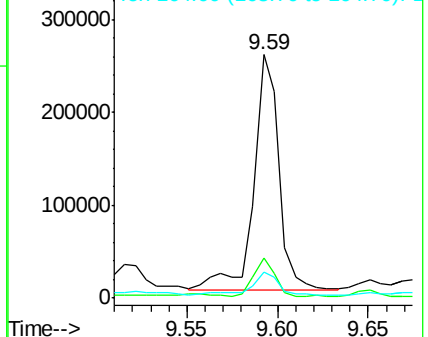


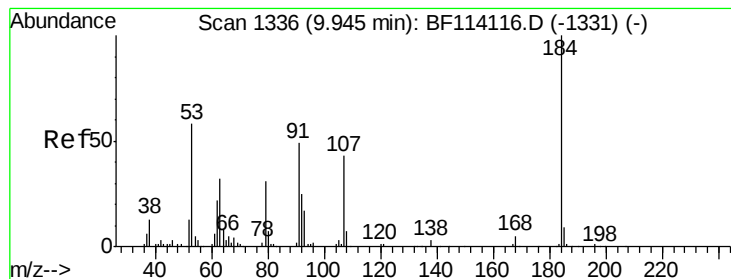
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#54

2,4-Dinitrophenol

Concen: 6.923 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.02 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

Instrument :

BNA_F

ClientSampled :

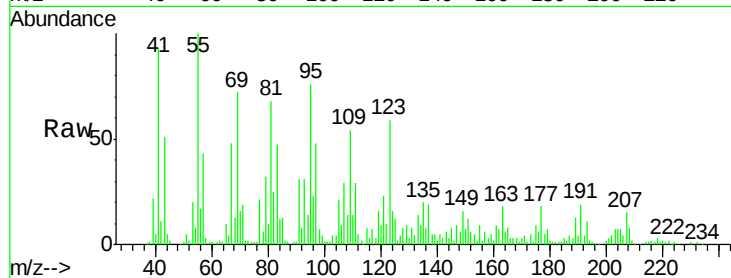
Tot Ion:184 Resp: 515

Ion Ratio Lower Upper

184 100

63 387.0 55.6 83.4#

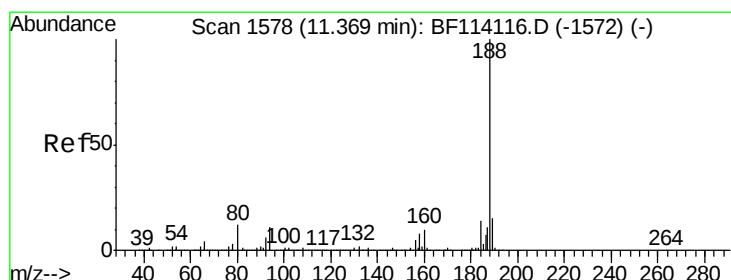
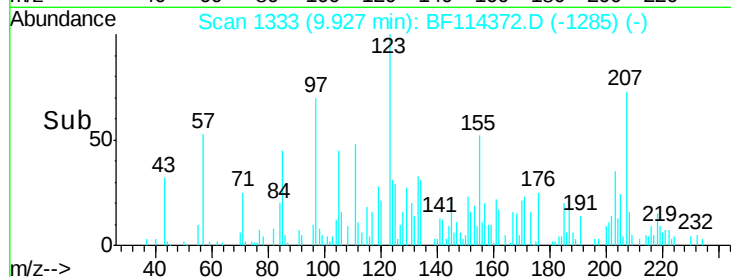
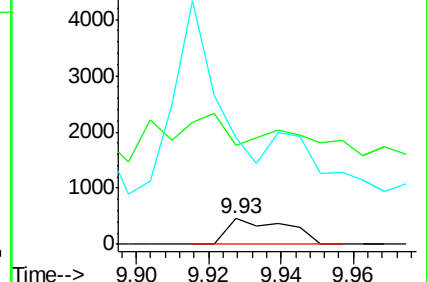
154 418.5 46.0 69.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.01 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

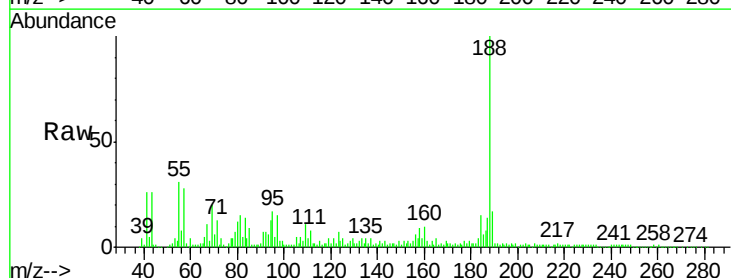
Tgt Ion:188 Resp: 517325

Ion Ratio Lower Upper

188 100

94 12.5 8.4 12.6

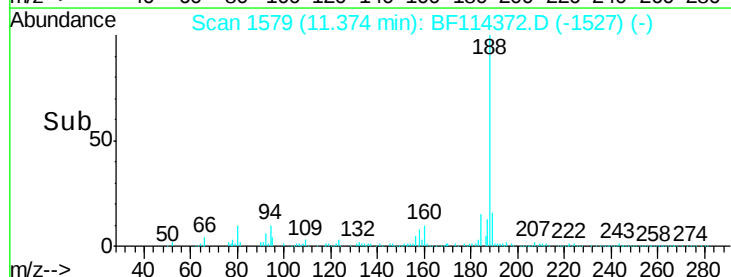
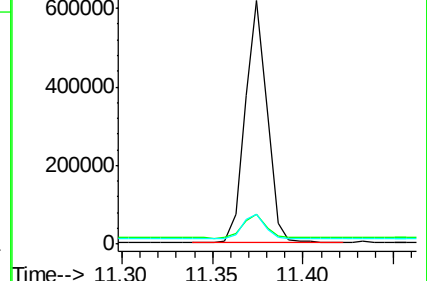
80 12.3 9.2 13.8

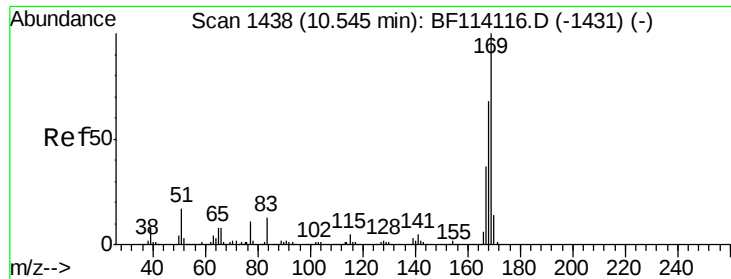


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

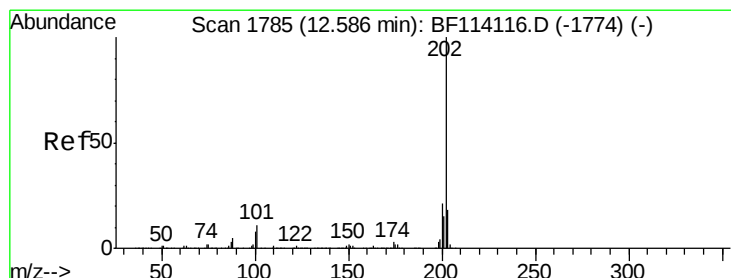
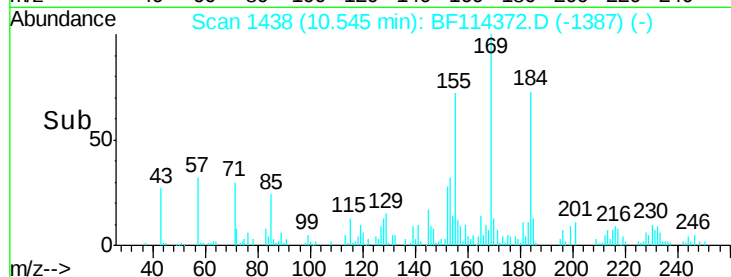
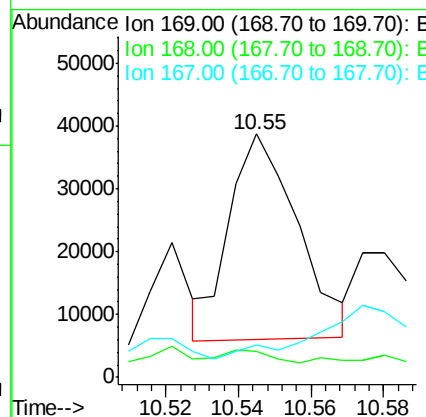
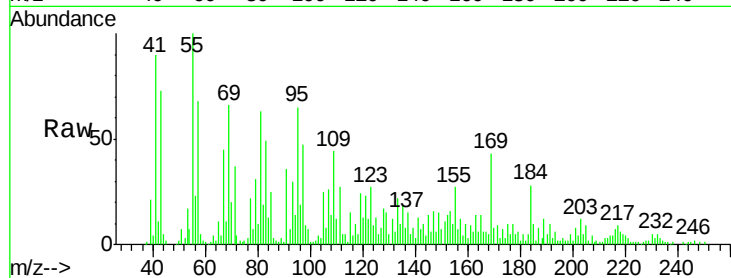




#66
 n-Nitrosodiphenylamine
 Concen: 2.734 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF114372.D
 Acq: 18 May 2019 2:02

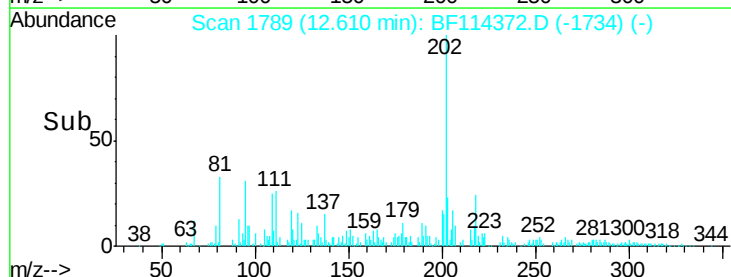
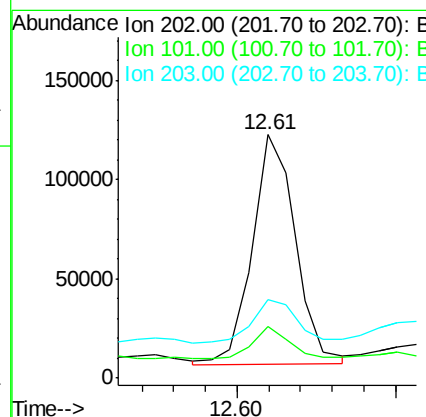
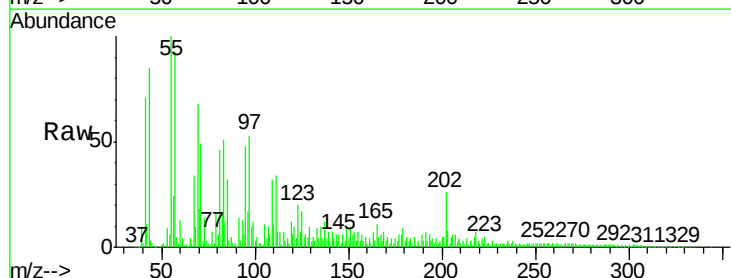
Instrument :
 BNA_F
 ClientSampleId :

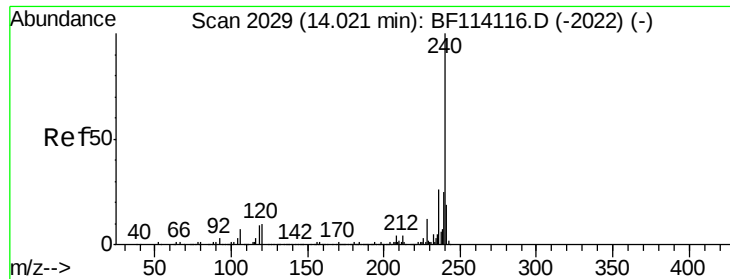
Tot Ion:169 Resp: 42925
 Ion Ratio Lower Upper
 169 100
 168 10.8 54.2 81.2#
 167 13.5 29.8 44.8#



#75
 Fluoranthene
 Concen: 4.026 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. 0.02 min
 Lab File: BF114372.D
 Acq: 18 May 2019 2:02

Tgt Ion:202 Resp: 109114
 Ion Ratio Lower Upper
 202 100
 101 21.0 0.0 31.0
 203 32.4 0.0 38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.06 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

Instrument :

BNA_F

ClientSampleId :

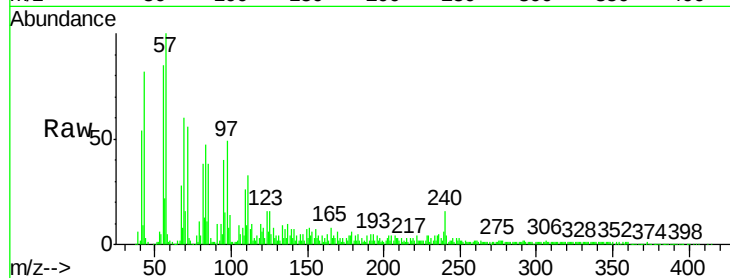
Tot Ion:240 Resp: 134593

Ion Ratio Lower Upper

240 100

120 35.3 8.3 12.5#

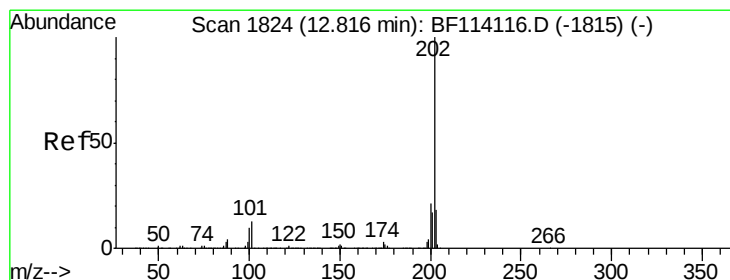
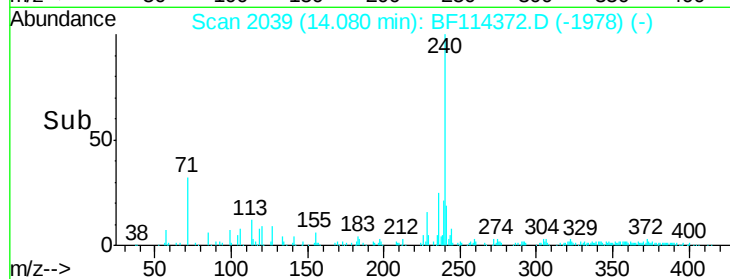
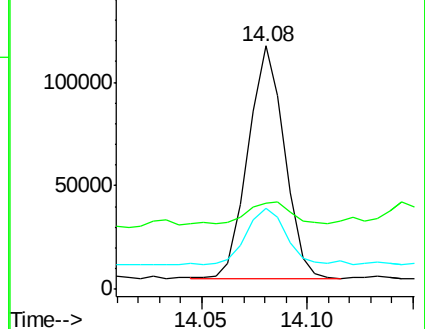
236 33.4 20.8 31.2#



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 5.457 ng

RT: 12.84 min Scan# 1829

Delta R.T. 0.03 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

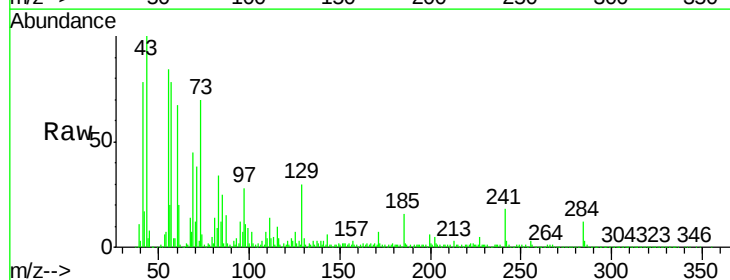
Tgt Ion:202 Resp: 59090

Ion Ratio Lower Upper

202 100

200 38.6 16.9 25.3#

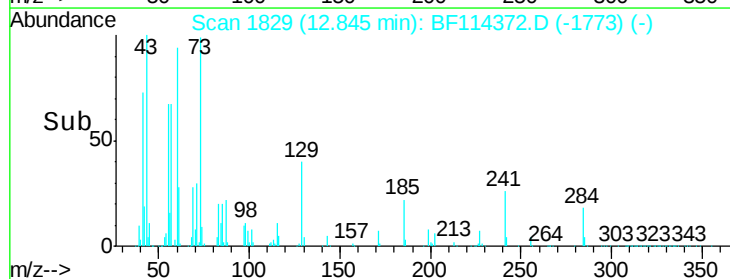
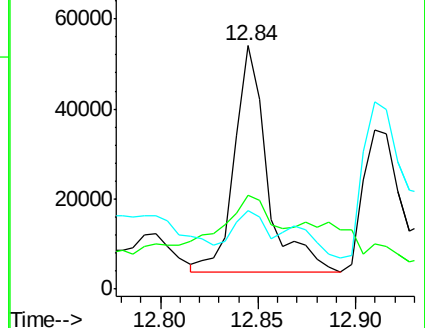
203 32.4 14.5 21.7#

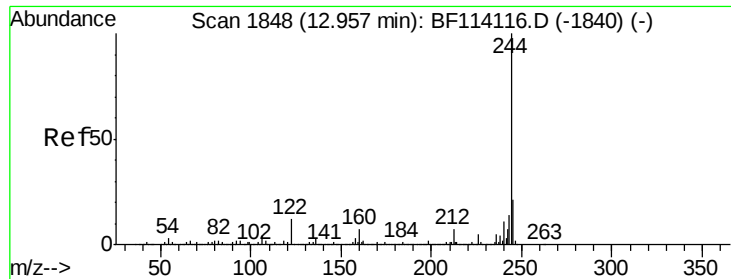


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 97.564 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.04 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

Instrument :

BNA_F

ClientSampleId :

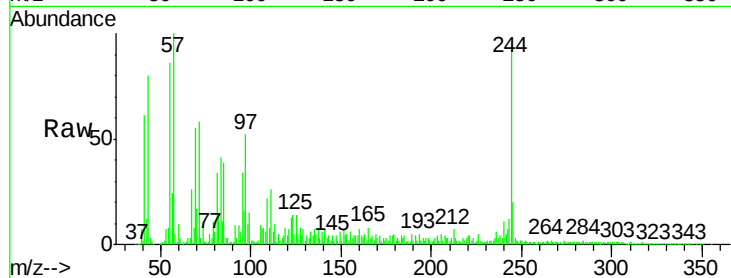
Tot Ion:244 Resp: 637008

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

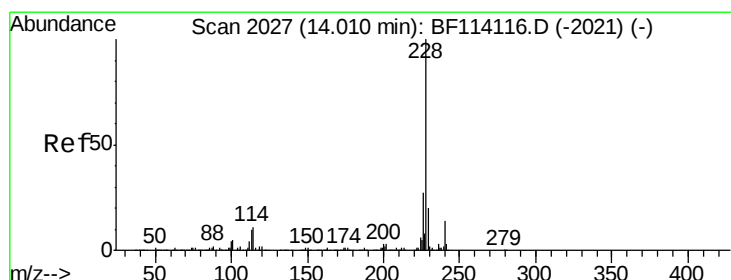
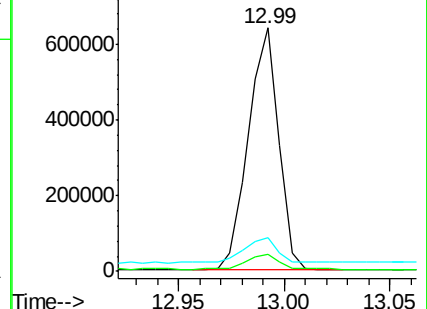
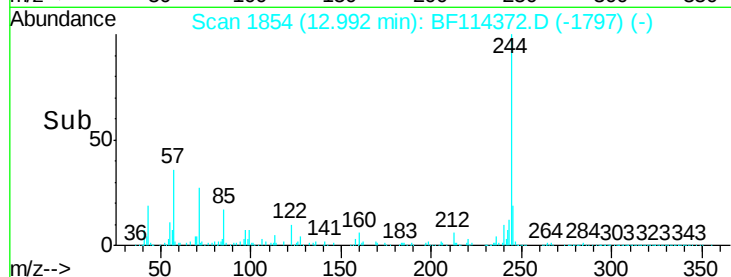
122 13.6 9.4 14.2



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



#81

Benzo(a)anthracene

Concen: 14.661 ng

RT: 14.10 min Scan# 2042

Delta R.T. 0.09 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

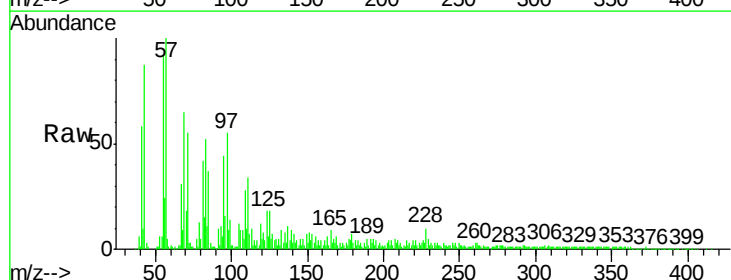
Tgt Ion:228 Resp: 127627

Ion Ratio Lower Upper

228 100

226 38.3 22.2 33.2#

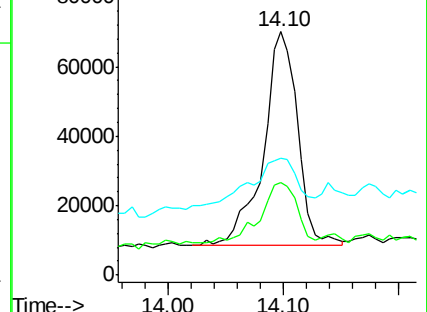
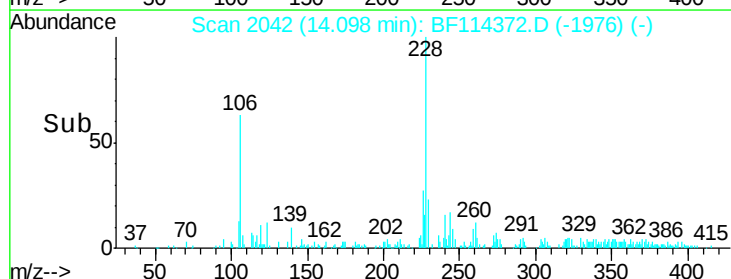
229 48.1 16.4 24.6#

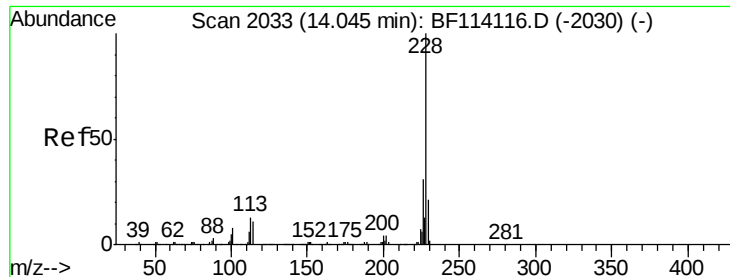


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 14.956 ng

RT: 14.10 min Scan# 2042

Delta R.T. 0.05 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

Instrument :

BNA_F

ClientSampleId :

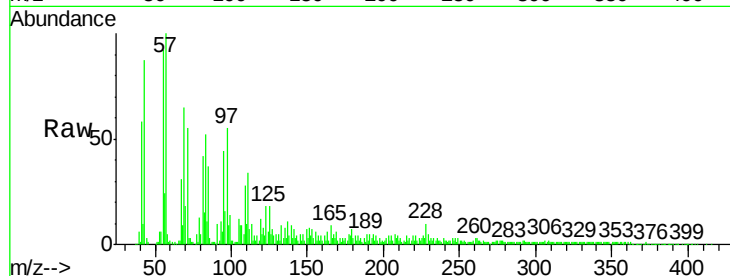
Tot Ion:228 Resp: 127627

Ion Ratio Lower Upper

228 100

226 38.3 25.0 37.6#

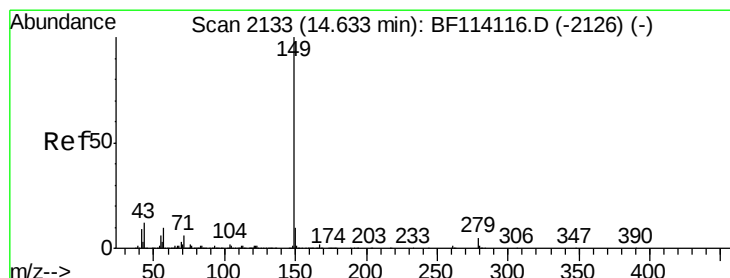
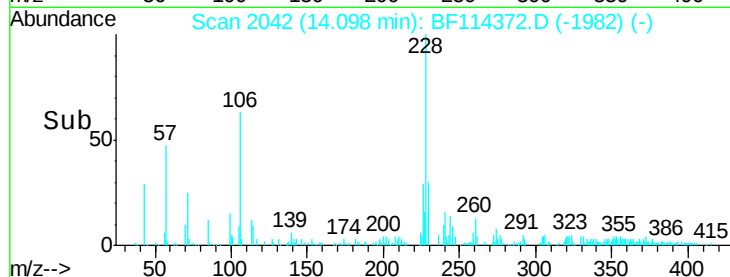
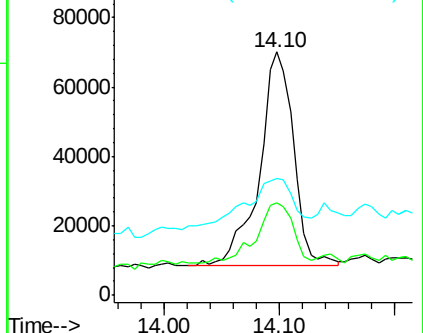
229 48.1 17.0 25.6#



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



#85

Di-n-octyl phthalate

Concen: 2.279 ng

RT: 14.69 min Scan# 2142

Delta R.T. 0.05 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

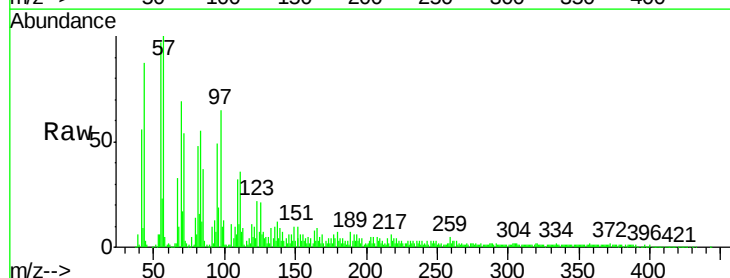
Tgt Ion:149 Resp: 22023

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

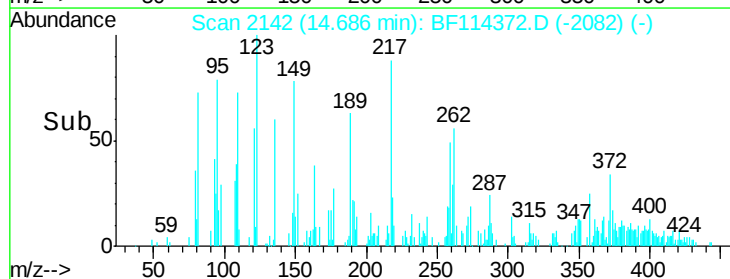
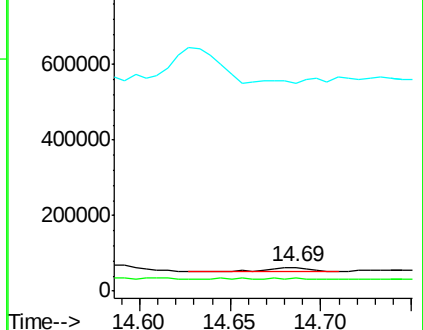
43 0.0 10.1 15.1#

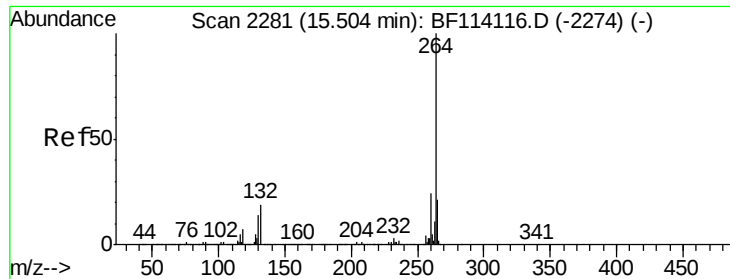


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.59 min Scan# 2296

Delta R.T. 0.09 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

Instrument :

BNA_F

ClientSampleId :

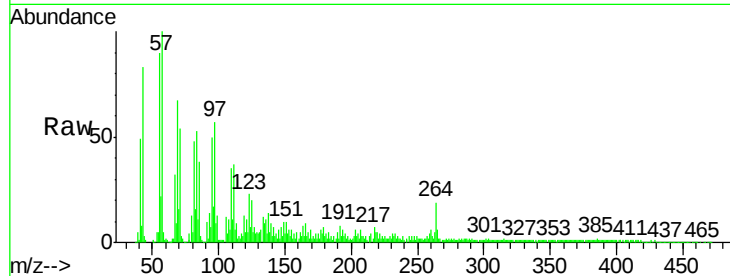
Tot Ion:264 Resp: 146450

Ion Ratio Lower Upper

264 100

260 31.4 19.4 29.0#

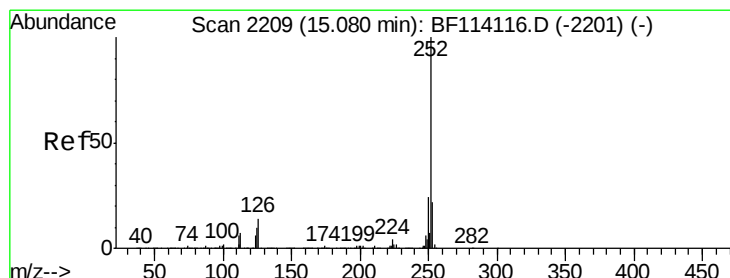
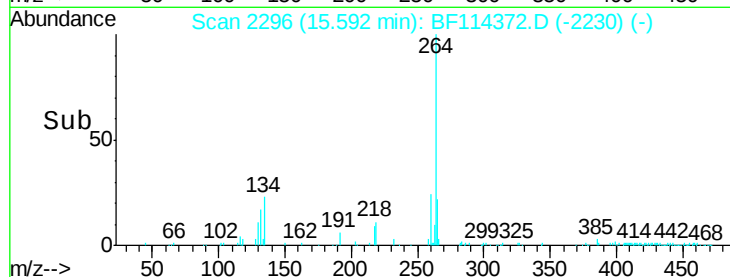
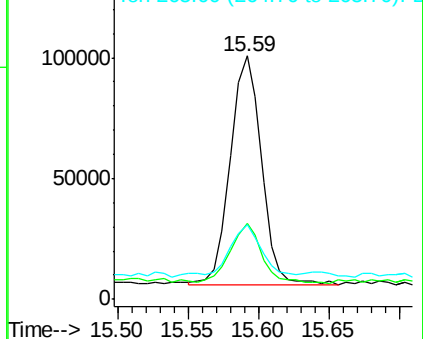
265 30.5 16.9 25.3#



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 4.645 ng

RT: 15.15 min Scan# 2221

Delta R.T. 0.07 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

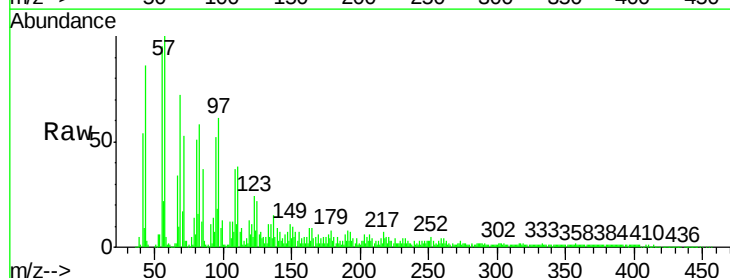
Tgt Ion:252 Resp: 43583

Ion Ratio Lower Upper

252 100

253 65.3 17.8 26.8#

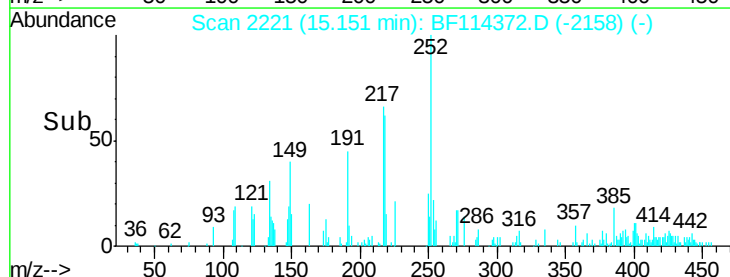
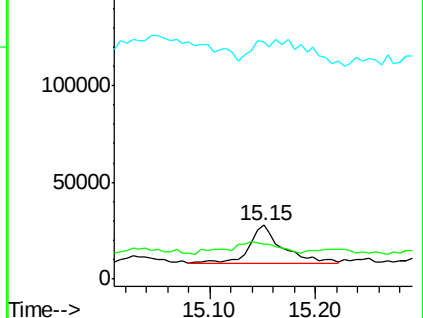
125 442.7 8.3 12.5#

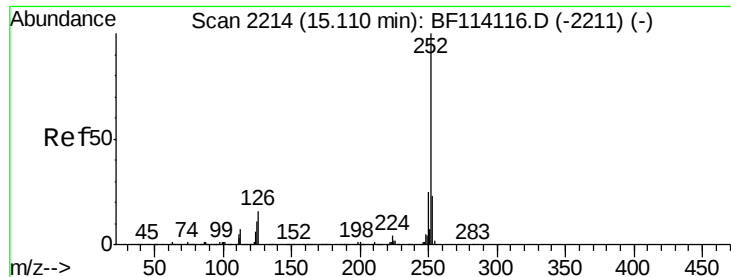


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 5.057 ng

RT: 15.15 min Scan# 2221

Delta R.T. 0.04 min

Lab File: BF114372.D

Acq: 18 May 2019 2:02

Instrument :

BNA_F

ClientSampleId :

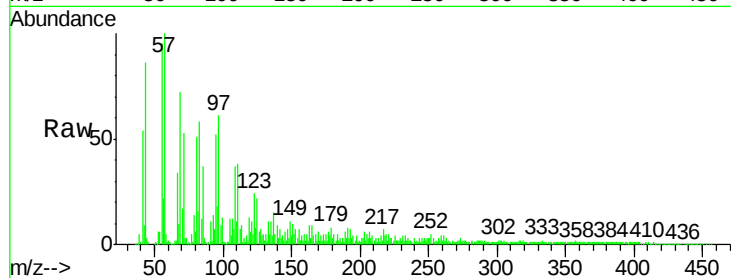
Tot Ion:252 Resp: 43583

Ion Ratio Lower Upper

252 100

253 65.3 18.2 27.2#

125 442.7 8.6 13.0#



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

