

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
 Data File : BF114170.D
 Acq On : 11 May 2019 23:07
 Operator : JU/SJ
 Sample : K2765-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS004-0612-01

Quant Time: May 12 05:56:08 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	286230	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1057927	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	504053	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	1022508	20.00	ng	0.00
76) Chrysene-d12	14.00	240	692770	20.00	ng	-0.02
87) Perylene-d12	15.46	264	713792	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	1811737	101.86	ng	0.00
7) Phenol-d6	6.49	99	2568910	122.12	ng	0.00
23) Nitrobenzene-d5	7.41	82	1564357	82.98	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	639729	122.76	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2585175	77.58	ng	0.00
79) Terphenyl-d14	12.95	244	2707884	80.58	ng	0.00

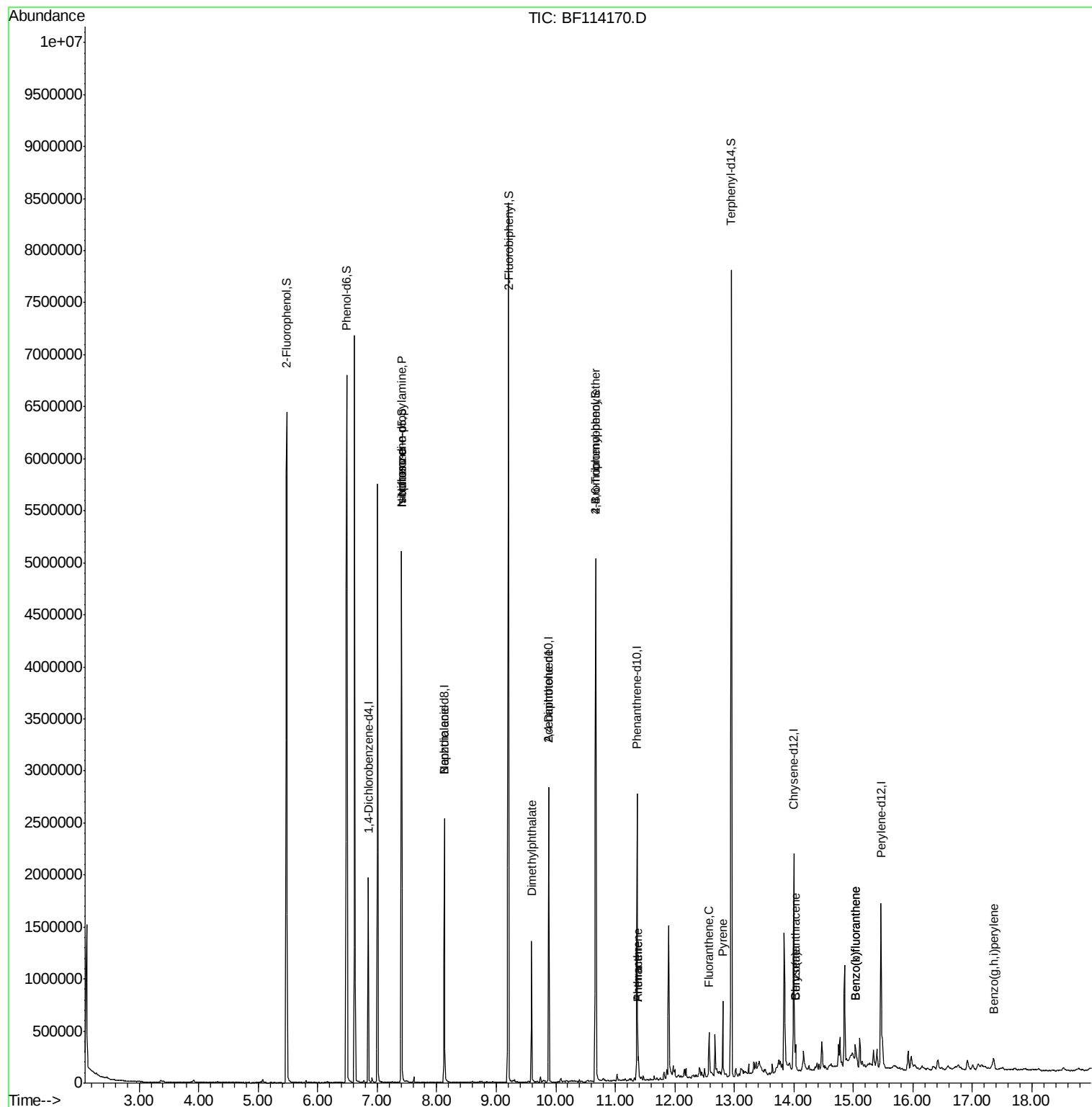
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	206425	15.481	ng	# 74
25) Isophorone	7.41	82	1564339	44.745	ng	# 64
32) Benzoic acid	8.13	122	129	7.031	ng	# 1
50) Dimethylphthalate	9.59	163	490401	13.253	ng	99
57) 2,4-Dinitrotoluene	9.88	165	64590	5.798	ng	# 25
67) 4-Bromophenyl-phenylether	10.67	248	41326	3.671	ng	# 1
71) Phenanthrene	11.39	178	109326	2.198	ng	95
72) Anthracene	11.39	178	109326	2.188	ng	96
75) Fluoranthene	12.57	202	143846	2.685	ng	97
78) Pyrene	12.80	202	274205	4.920	ng	97
81) Benzo(a)anthracene	14.03	228	101660	2.269	ng	97
83) Chrysene	14.03	228	101663	2.314	ng	97
88) Benzo(b)fluoranthene	15.04	252	123525	2.701	ng	97
89) Benzo(k)fluoranthene	15.04	252	123525	2.941	ng	98
92) Benzo(g,h,i)perylene	17.36	276	75903	2.265	ng	98

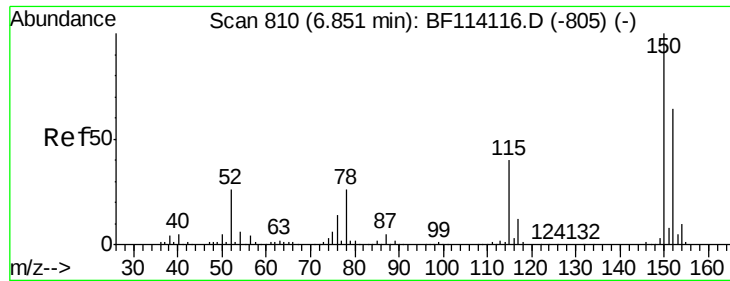
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
Data File : BF114170.D
Acq On : 11 May 2019 23:07
Operator : JU/SJ
Sample : K2765-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0612-01

Quant Time: May 12 05:56:08 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



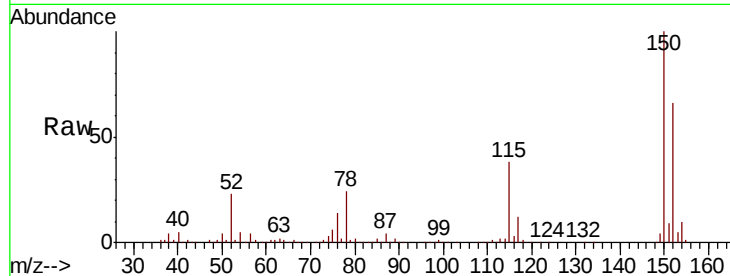


#1

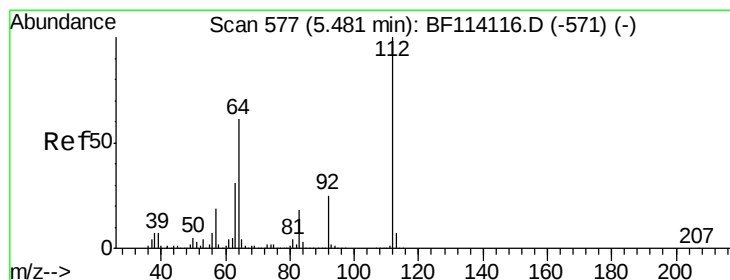
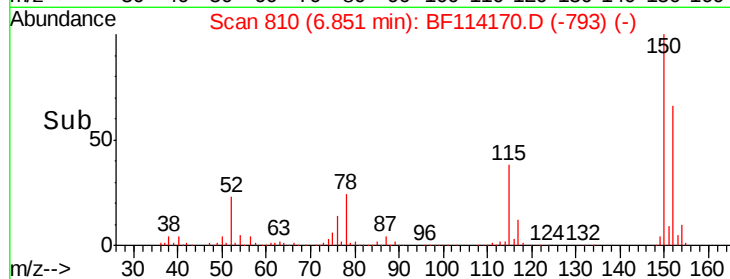
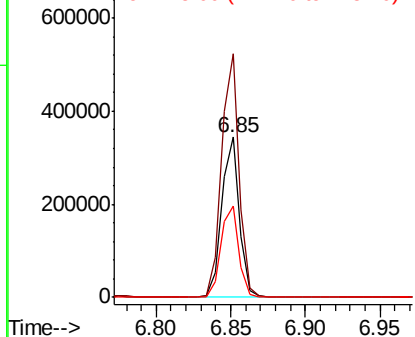
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114170.D
Acq: 11 May 2019 23:07

Instrument :
BNA_F
ClientSampleId :
P026-SS004-0612-01

Tgt Ion:152 Resp: 286230
Ion Ratio Lower Upper
152 100
150 151.9 124.3 186.5
115 57.1 49.1 73.7



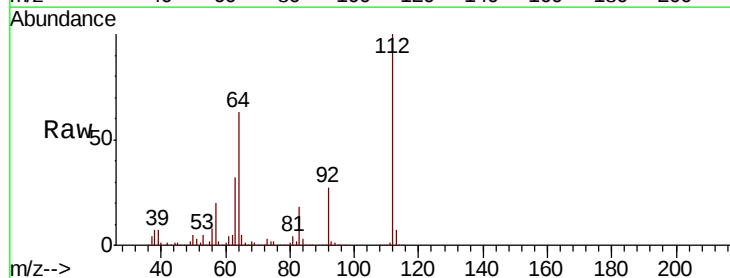
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



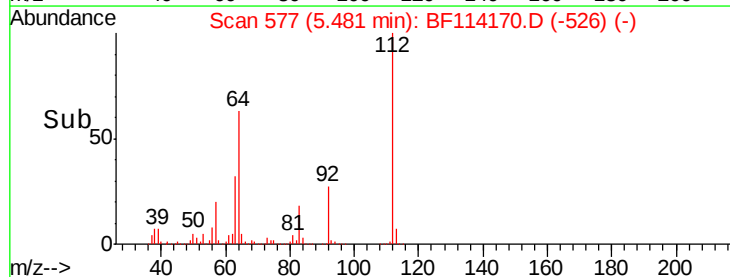
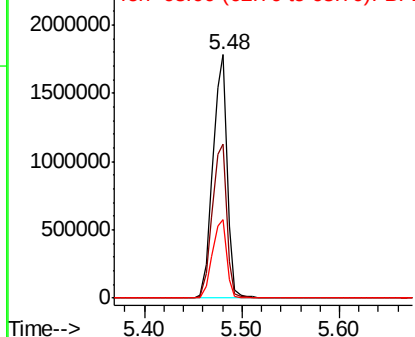
#5

2-Fluorophenol
Concen: 101.861 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114170.D
Acq: 11 May 2019 23:07

Tgt Ion:112 Resp: 1811737
Ion Ratio Lower Upper
112 100
64 63.4 49.0 73.6
63 32.1 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: 122.116 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF114170.D

Acq: 11 May 2019 23:07

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0612-01

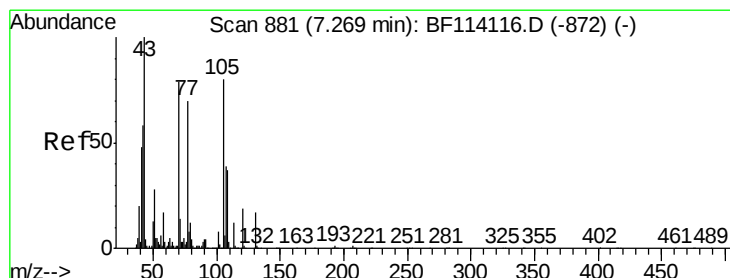
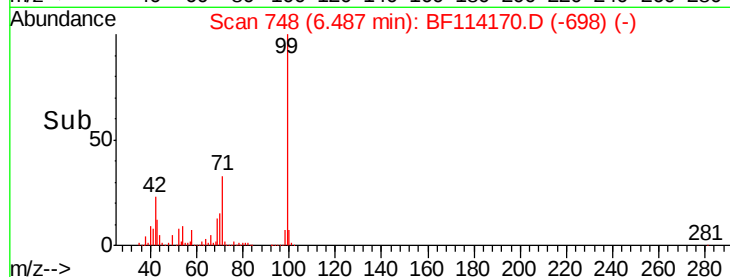
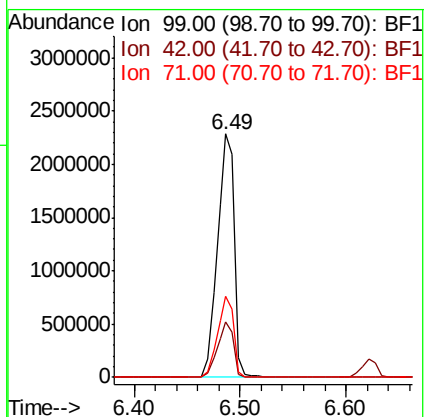
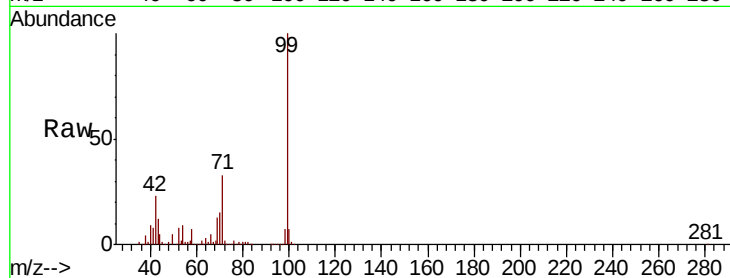
Tgt Ion: 99 Resp: 2568910

Ion Ratio Lower Upper

99 100

42 22.9 17.9 26.9

71 33.2 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 15.481 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114170.D

Acq: 11 May 2019 23:07

Tgt Ion: 70 Resp: 206425

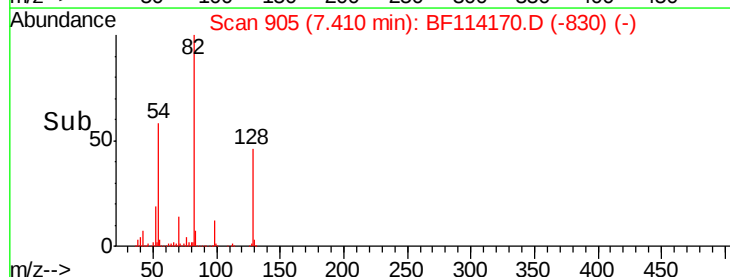
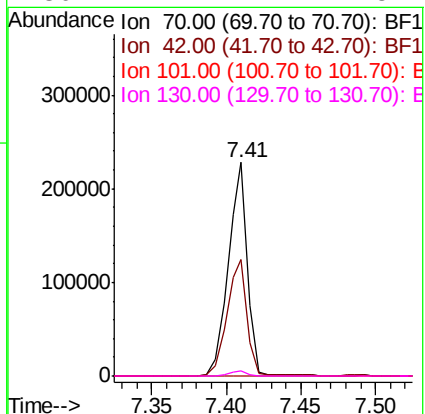
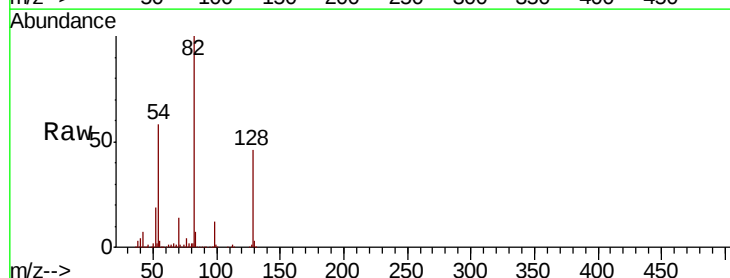
Ion Ratio Lower Upper

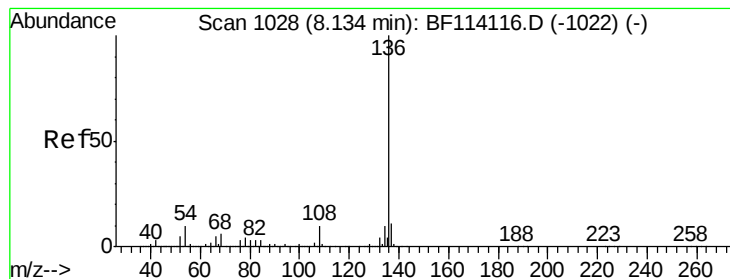
70 100

42 54.6 58.6 87.8#

101 0.0 7.8 11.8#

130 2.4 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114170.D

Acq: 11 May 2019 23:07

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0612-01

Tgt Ion:136 Resp: 1057927

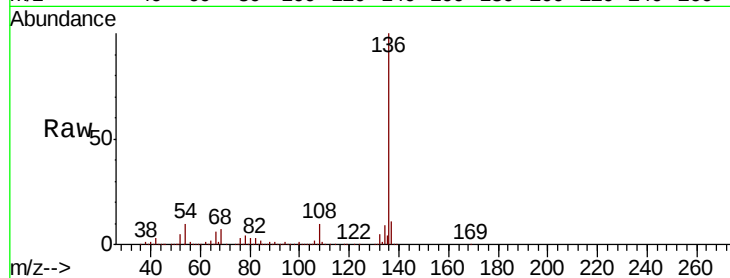
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 10.3 7.8 11.8

68 6.8 5.1 7.7

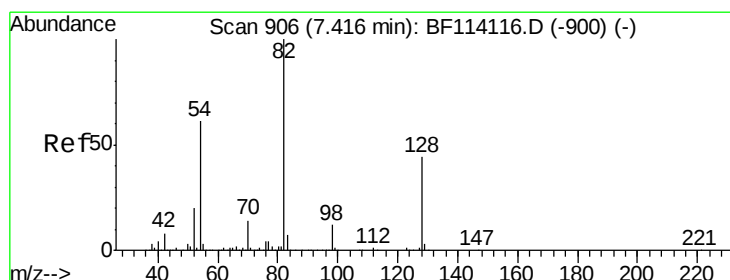
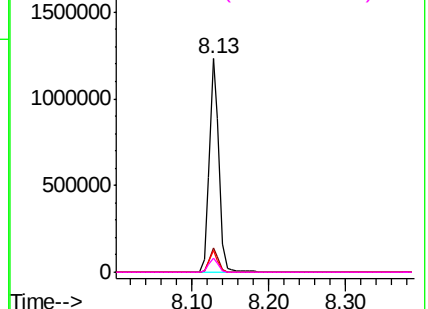
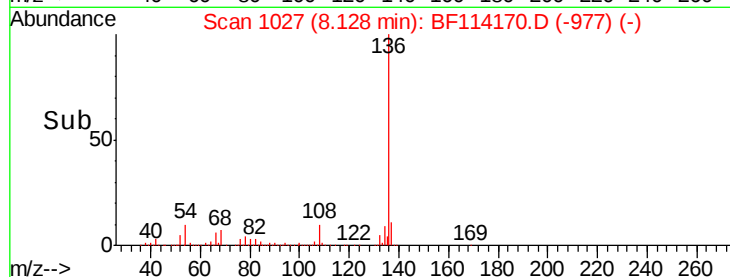


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.985 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF114170.D

Acq: 11 May 2019 23:07

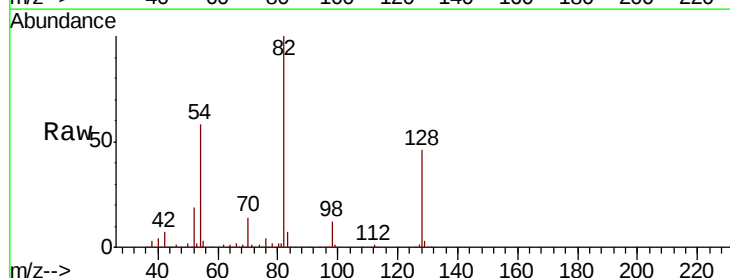
Tgt Ion: 82 Resp: 1564357

Ion Ratio Lower Upper

82 100

128 45.8 35.5 53.3

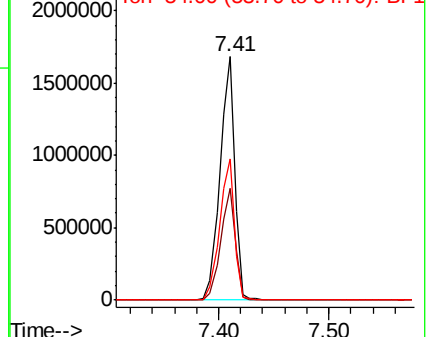
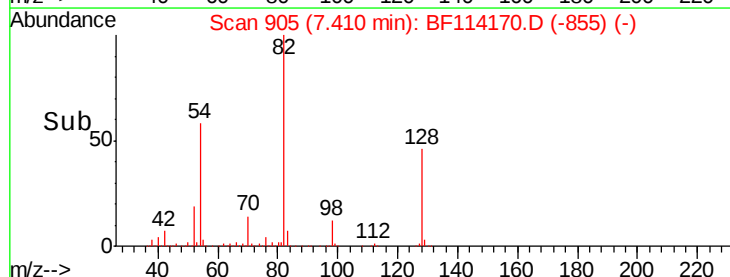
54 57.9 48.5 72.7



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: 44.745 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114170.D

Acq: 11 May 2019 23:07

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0612-01

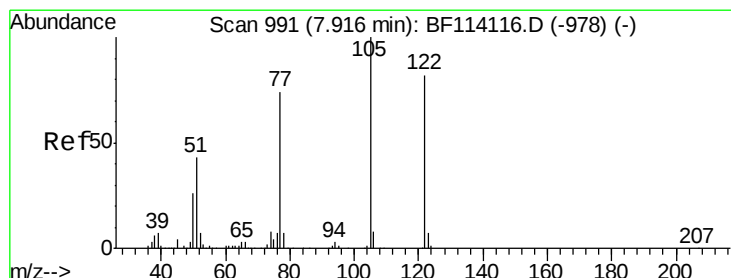
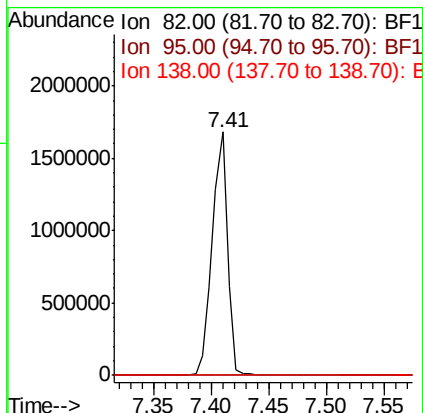
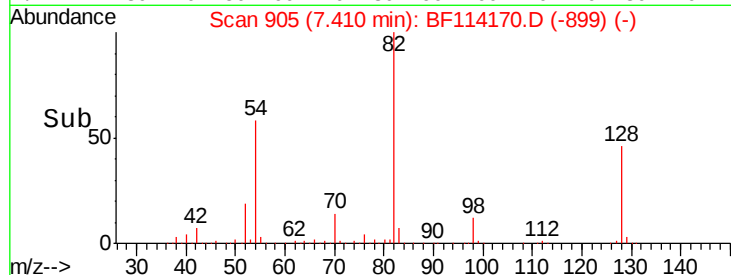
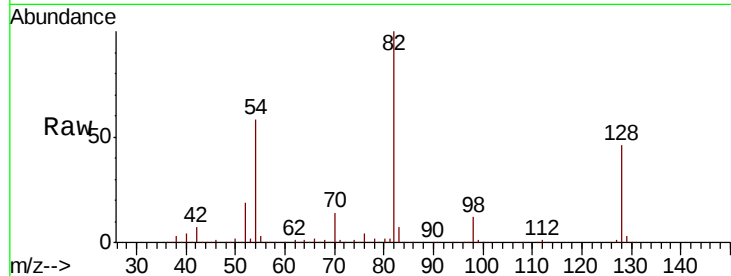
Tgt Ion: 82 Resp: 1564339

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.8 22.2#



#32

Benzoic acid

Concen: 7.031 ng

RT: 8.13 min Scan# 1027

Delta R.T. 0.21 min

Lab File: BF114170.D

Acq: 11 May 2019 23:07

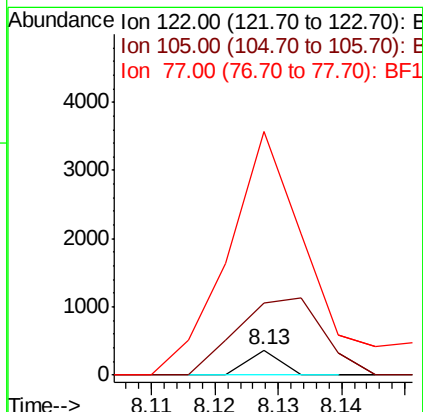
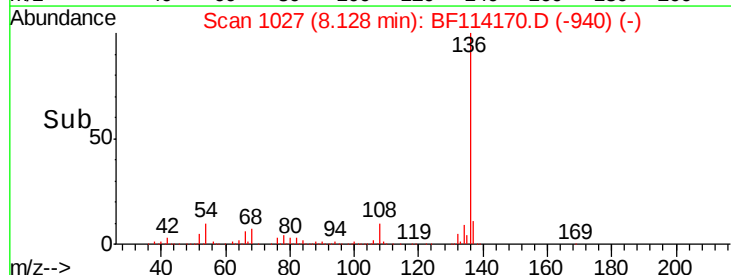
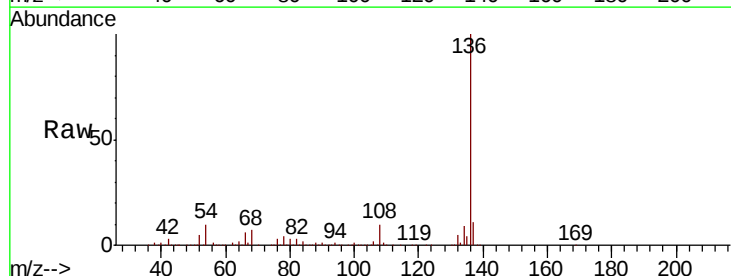
Tgt Ion: 122 Resp: 129

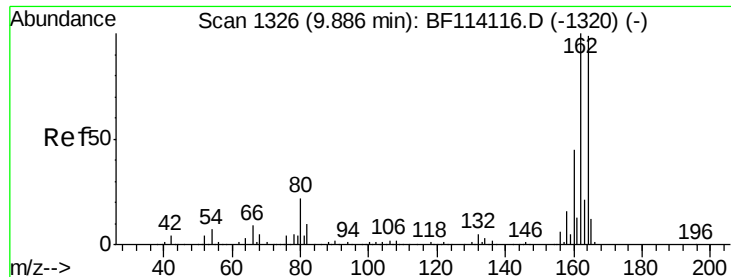
Ion Ratio Lower Upper

122 100

105 291.3 99.9 139.9#

77 975.4 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: BF114170.D

Acq: 11 May 2019 23:07

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0612-01

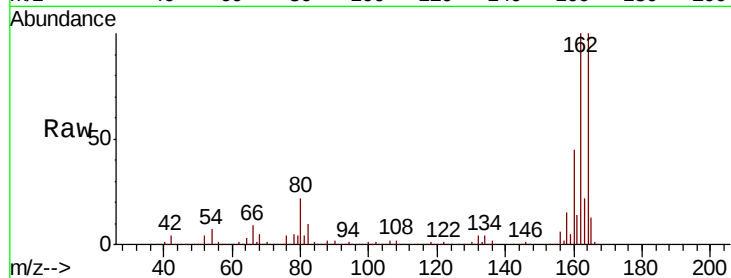
Tgt Ion:164 Resp: 504053

Ion Ratio Lower Upper

164 100

162 100.3 80.6 120.8

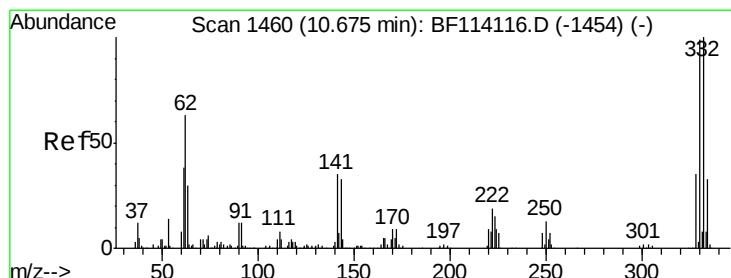
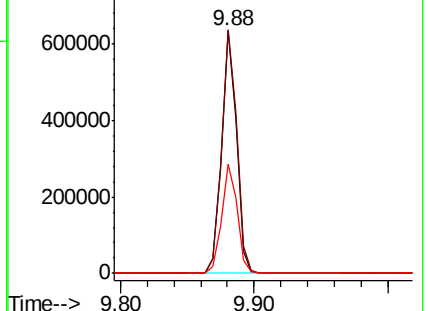
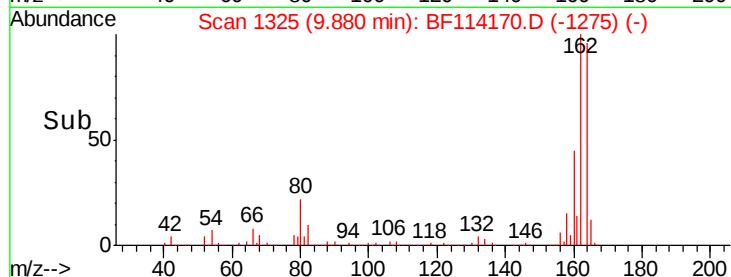
160 44.9 36.5 54.7



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: 122.764 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114170.D

Acq: 11 May 2019 23:07

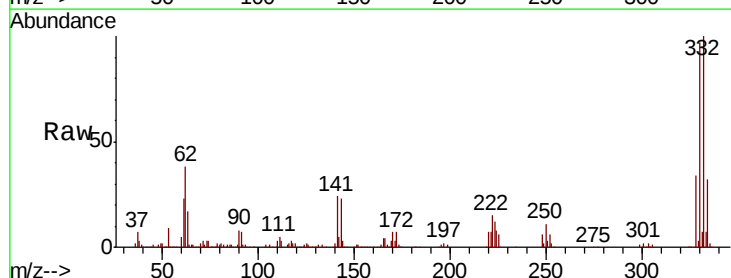
Tgt Ion:330 Resp: 639729

Ion Ratio Lower Upper

330 100

332 102.4 81.4 122.2

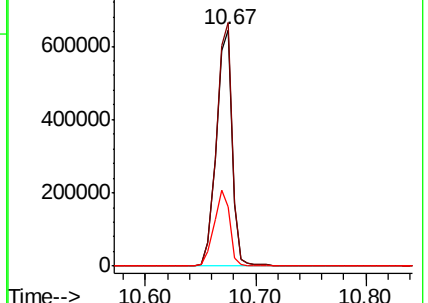
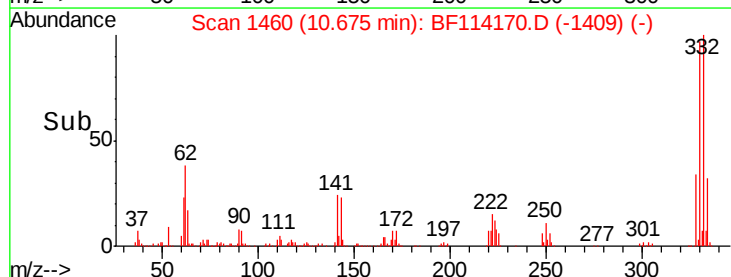
141 31.9 26.6 40.0

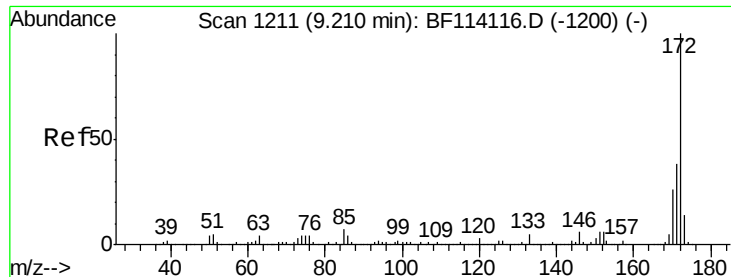


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

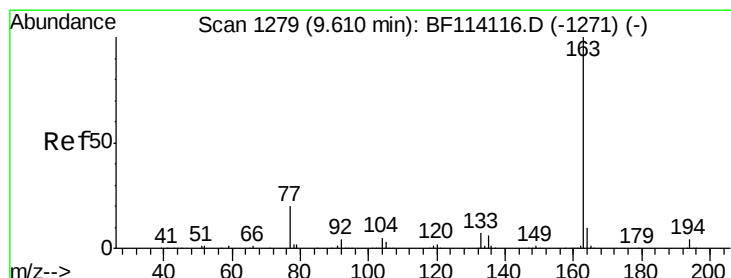
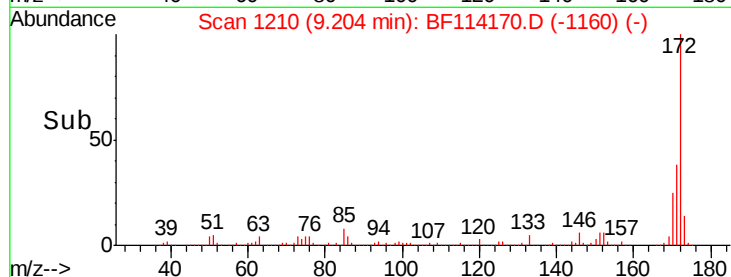
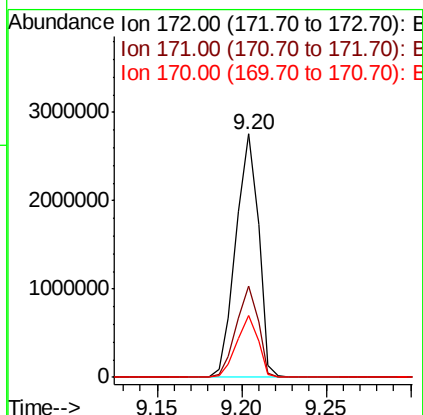
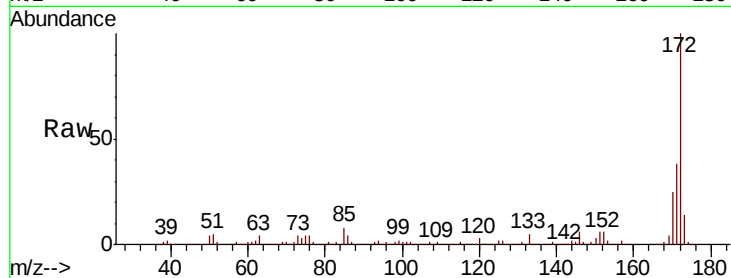




#45
 2-Fluorobiphenyl
 Concen: 77.581 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF114170.D
 Acq: 11 May 2019 23:07

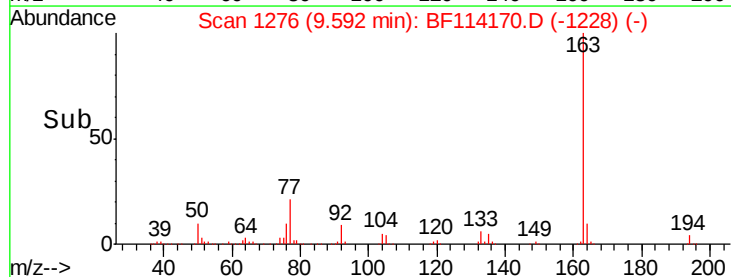
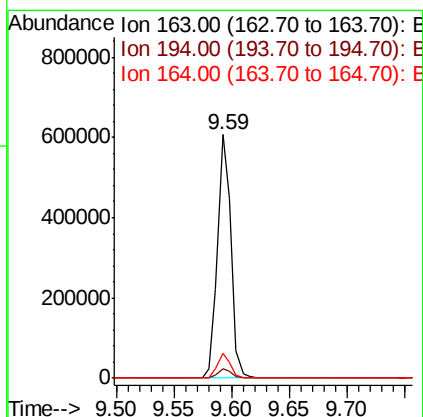
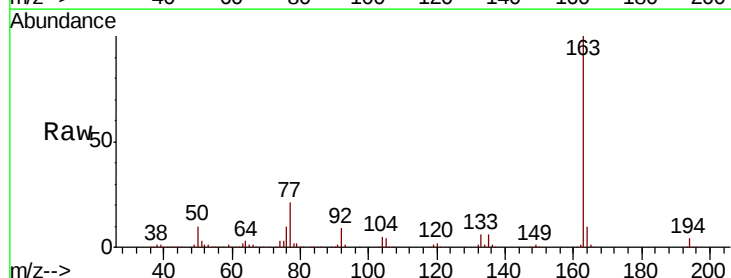
Instrument :
 BNA_F
 ClientSampleId :
 P026-SS004-0612-01

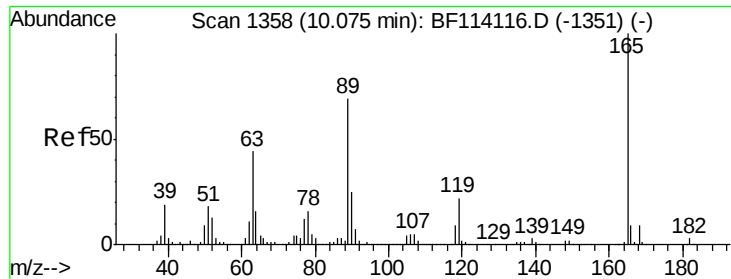
Tgt Ion:172 Resp: 2585175
 Ion Ratio Lower Upper
 172 100
 171 37.7 30.7 46.1
 170 25.4 20.5 30.7



#50
 Dimethylphthalate
 Concen: 13.253 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: BF114170.D
 Acq: 11 May 2019 23:07

Tgt Ion:163 Resp: 490401
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.4 5.0
 164 10.0 8.2 12.2

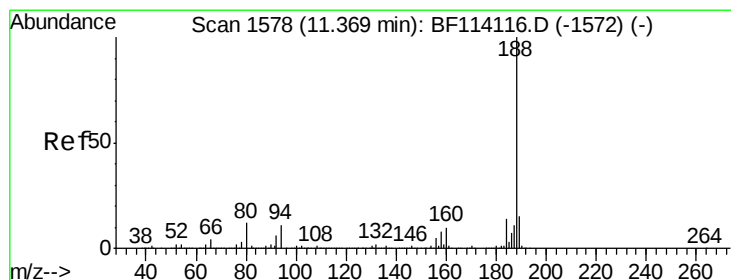
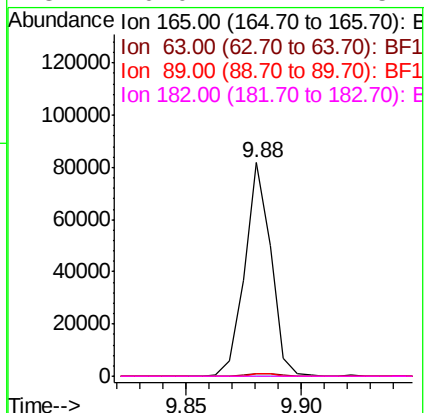
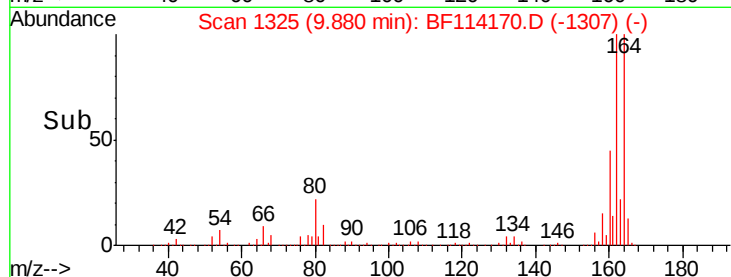
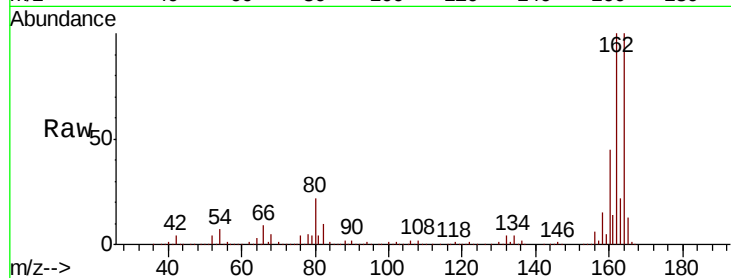




#57
2,4-Dinitrotoluene
Concen: 5.798 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF114170.D
Acq: 11 May 2019 23:07

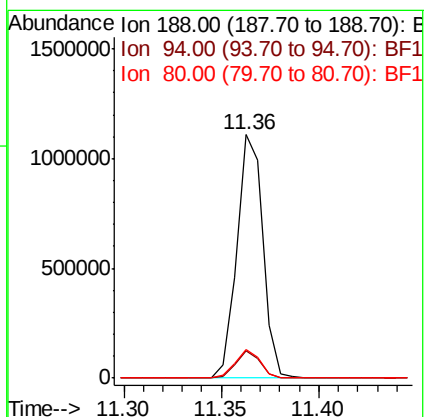
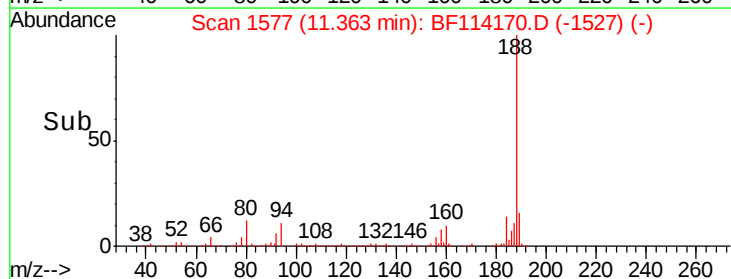
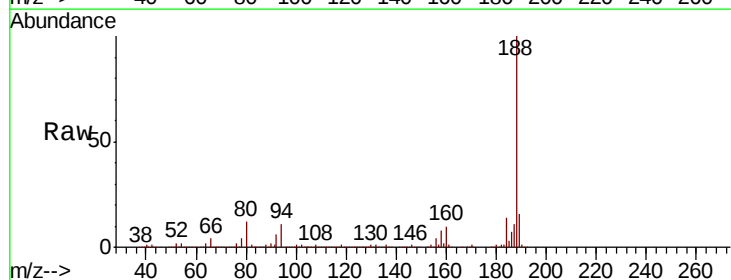
Instrument :
BNA_F
ClientSampleId :
P026-SS004-0612-01

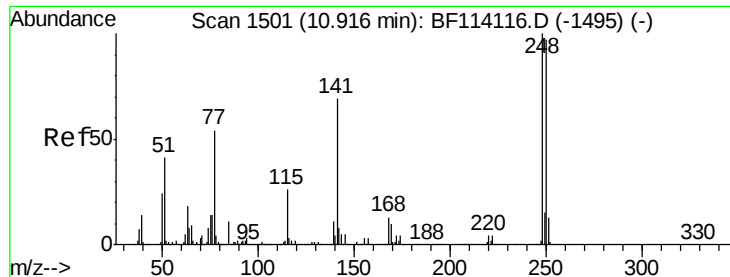
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	35.5	53.3#
89	1.3	55.2	82.8#
182	0.0	2.2	3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF114170.D
Acq: 11 May 2019 23:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.4	12.6
80	11.8	9.2	13.8

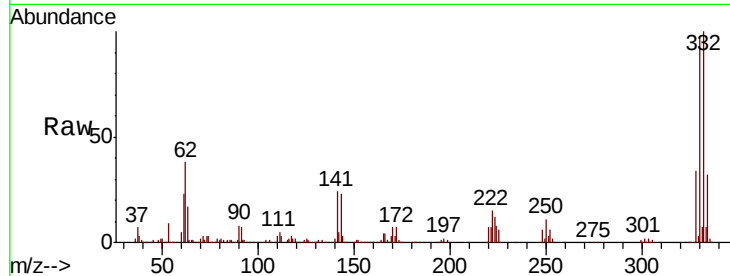




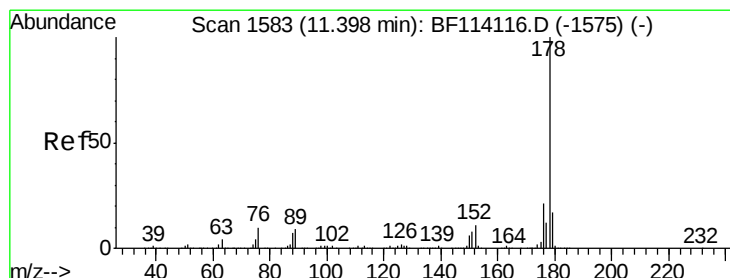
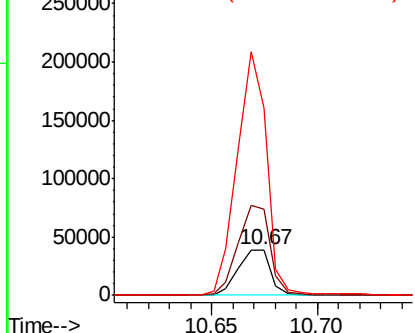
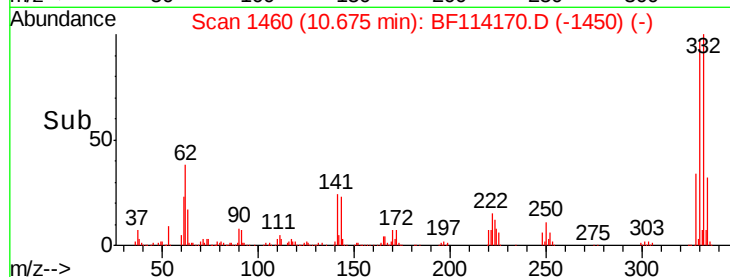
#67
 4-Bromophenyl-phenylether
 Concen: 3.671 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF114170.D
 Acq: 11 May 2019 23:07

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS004-0612-01

Tgt Ion: 248 Resp: 41326
 Ion Ratio Lower Upper
 248 100
 250 188.8 77.4 116.2#
 141 411.6 55.6 83.4#

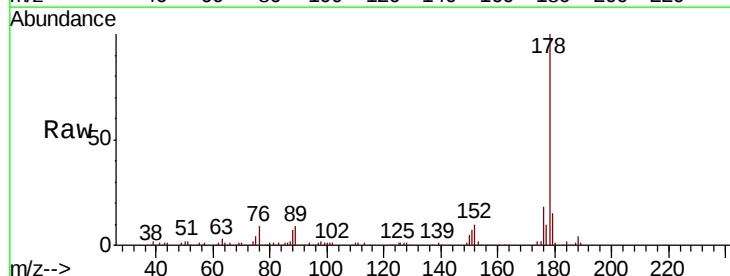


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

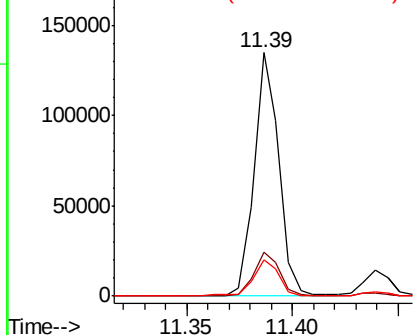
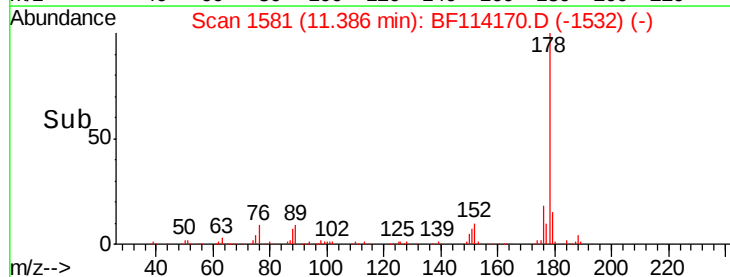


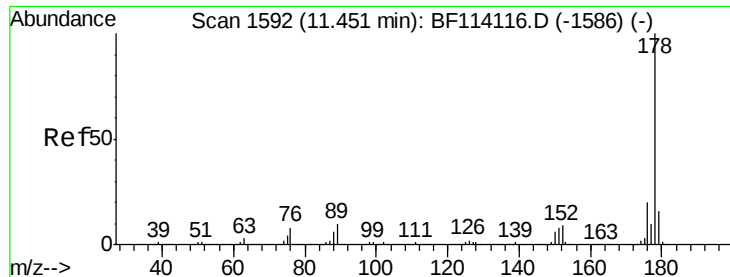
#71
 Phenanthrene
 Concen: 2.198 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF114170.D
 Acq: 11 May 2019 23:07

Tgt Ion: 178 Resp: 109326
 Ion Ratio Lower Upper
 178 100
 176 17.9 16.4 24.6
 179 14.9 13.2 19.8



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





#72

Anthracene

Concen: 2.188 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.06 min

Lab File: BF114170.D

Acq: 11 May 2019 23:07

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0612-01

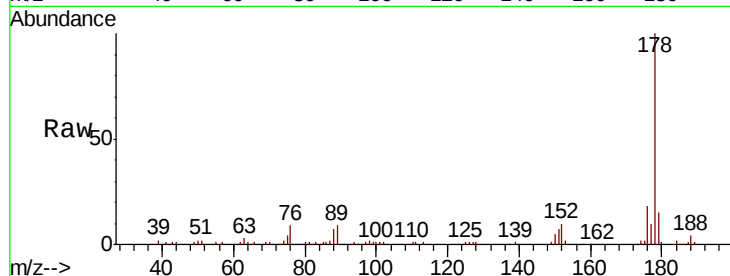
Tgt Ion:178 Resp: 109326

Ion Ratio Lower Upper

178 100

176 17.9 15.8 23.8

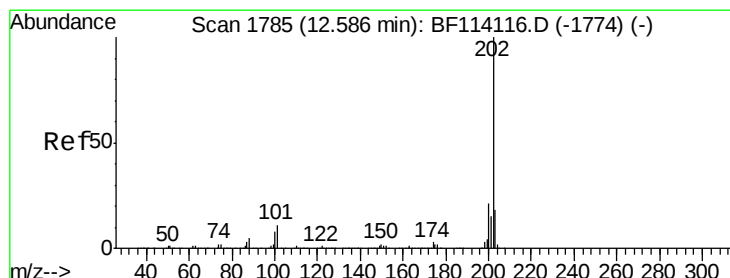
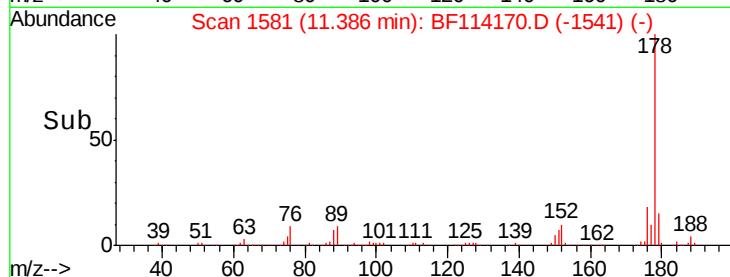
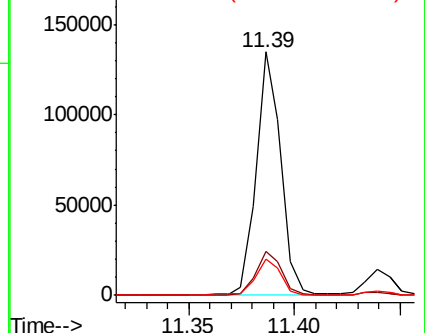
179 14.9 13.0 19.4



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



#75

Fluoranthene

Concen: 2.685 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF114170.D

Acq: 11 May 2019 23:07

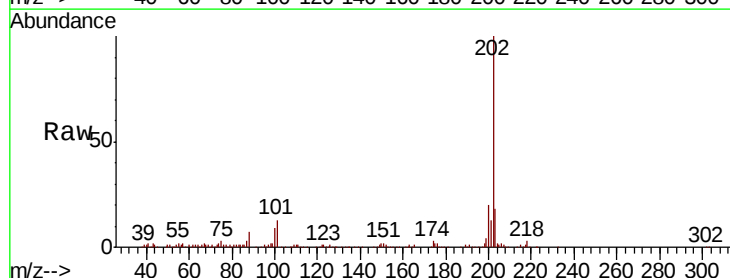
Tgt Ion:202 Resp: 143846

Ion Ratio Lower Upper

202 100

101 13.4 0.0 31.0

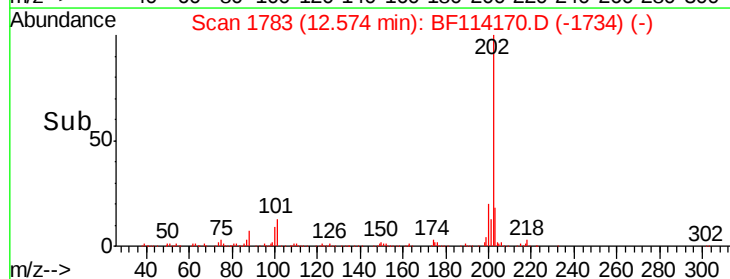
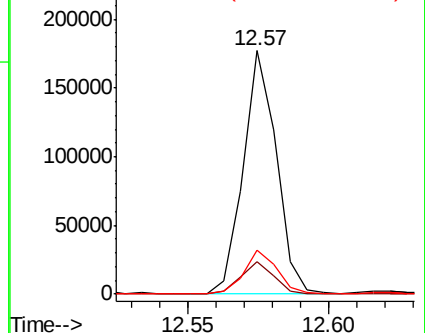
203 18.2 0.0 38.4

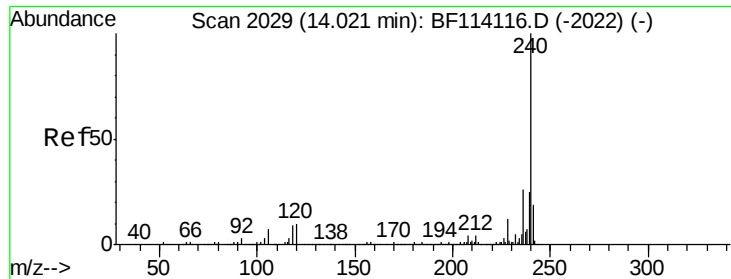


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF114170.D

Acq: 11 May 2019 23:07

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0612-01

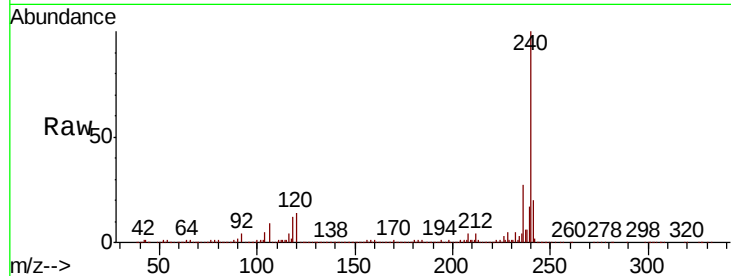
Tgt Ion:240 Resp: 692770

Ion Ratio Lower Upper

240 100

120 13.9 8.3 12.5#

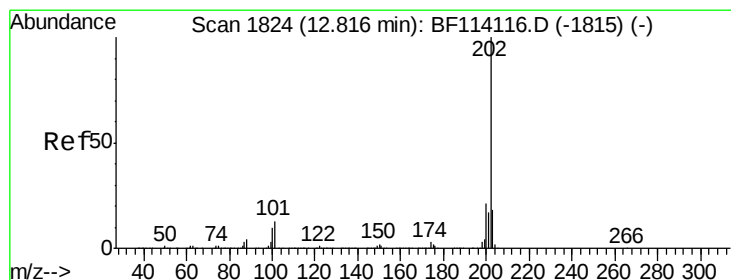
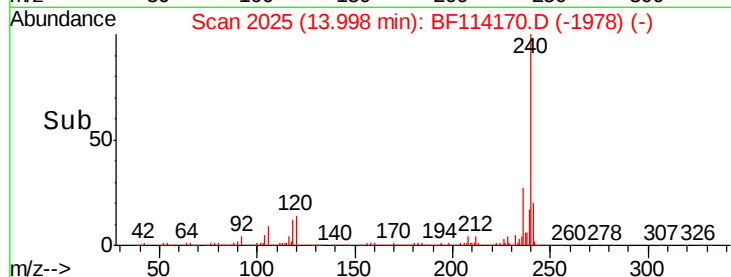
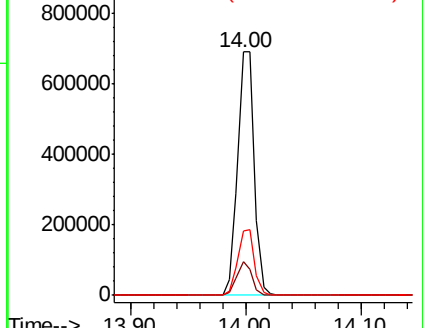
236 26.5 20.8 31.2



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: 4.920 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF114170.D

Acq: 11 May 2019 23:07

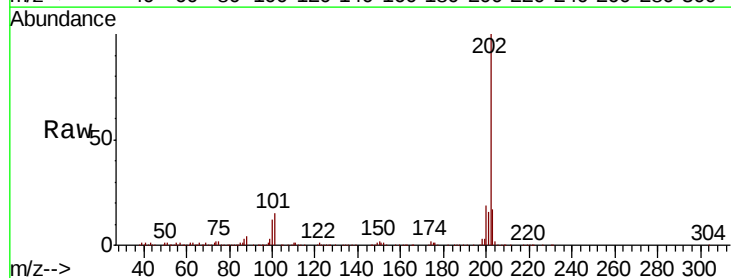
Tgt Ion:202 Resp: 274205

Ion Ratio Lower Upper

202 100

200 18.8 16.9 25.3

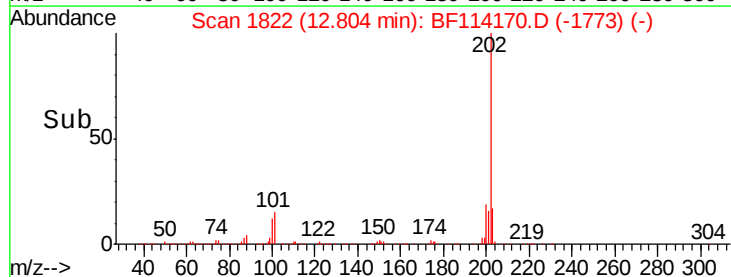
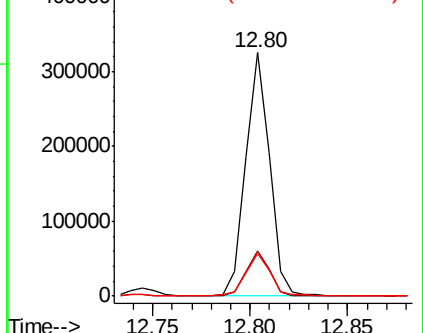
203 17.3 14.5 21.7

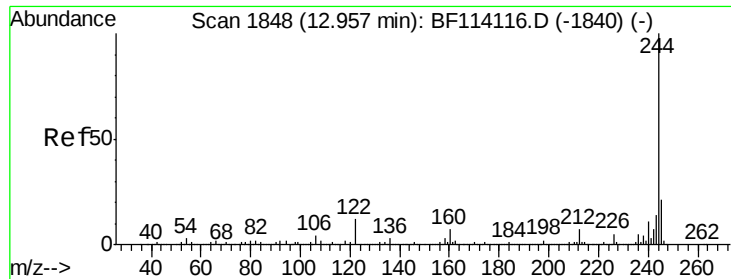


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 80.577 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114170.D

Acq: 11 May 2019 23:07

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0612-01

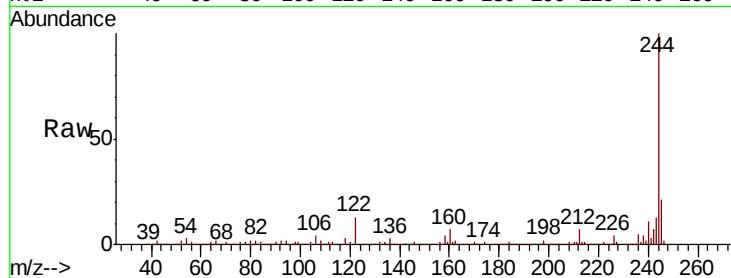
Tgt Ion:244 Resp: 2707884

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

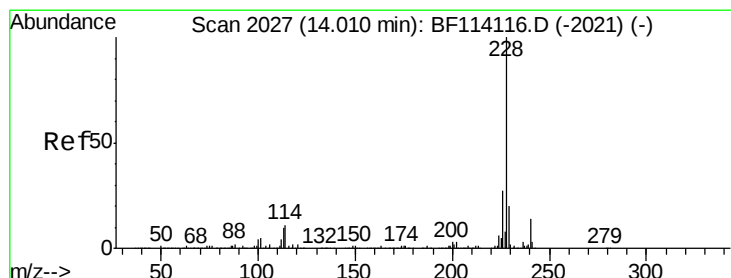
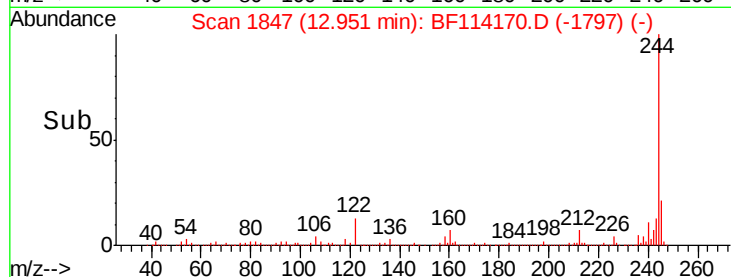
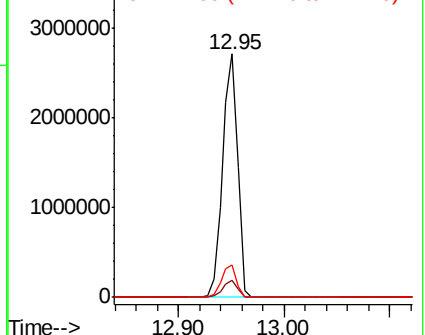
122 13.1 9.4 14.2



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: 2.269 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.02 min

Lab File: BF114170.D

Acq: 11 May 2019 23:07

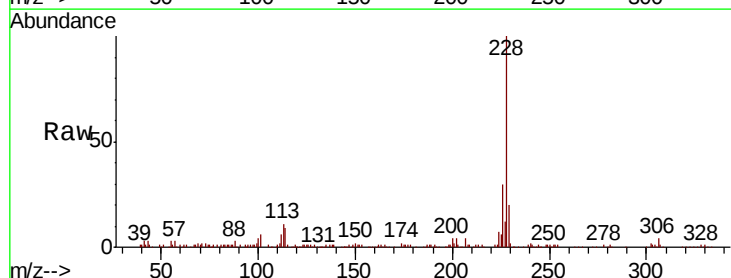
Tgt Ion:228 Resp: 101660

Ion Ratio Lower Upper

228 100

226 29.8 22.2 33.2

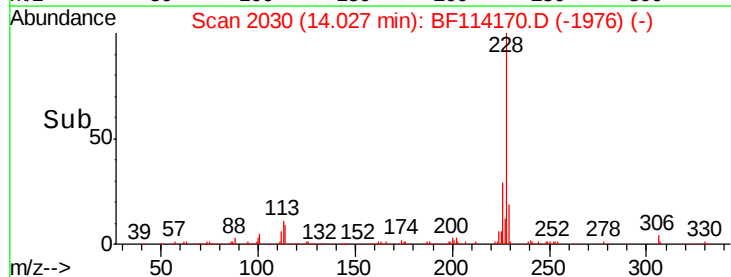
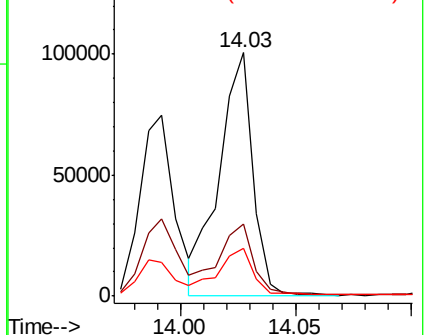
229 19.7 16.4 24.6

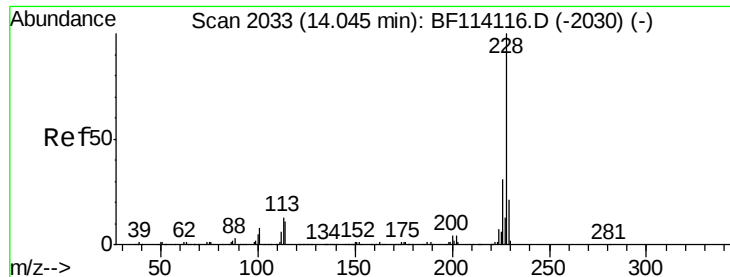


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.314 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BF114170.D

Acq: 11 May 2019 23:07

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0612-01

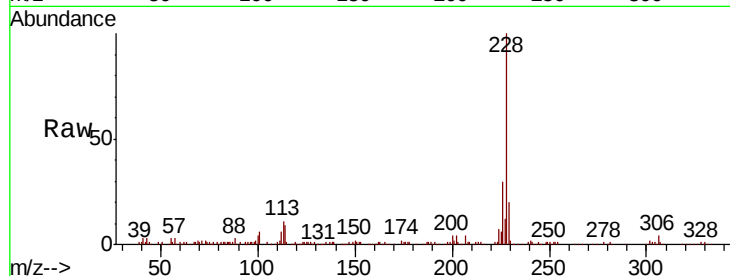
Tgt Ion:228 Resp: 101663

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

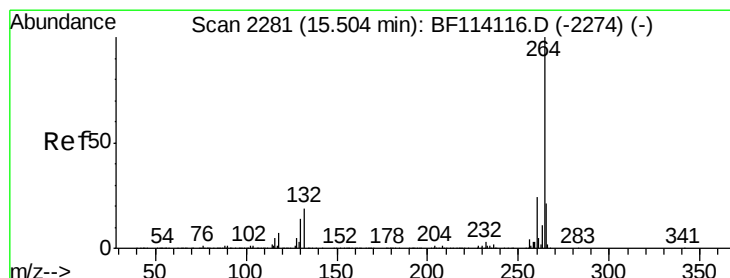
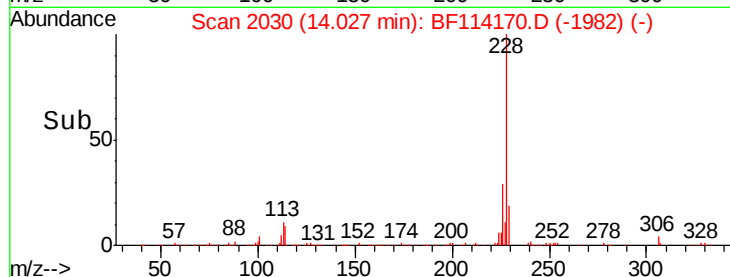
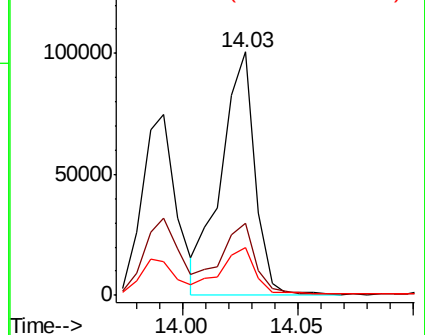
229 19.7 17.0 25.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.04 min

Lab File: BF114170.D

Acq: 11 May 2019 23:07

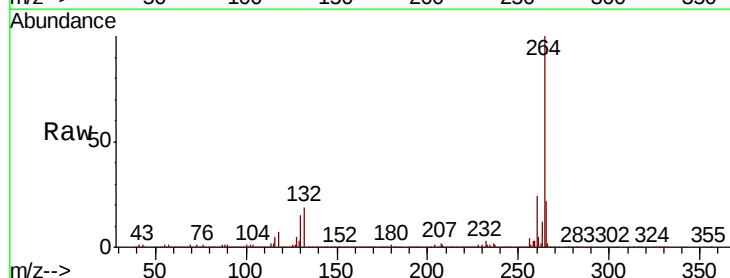
Tgt Ion:264 Resp: 713792

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.0

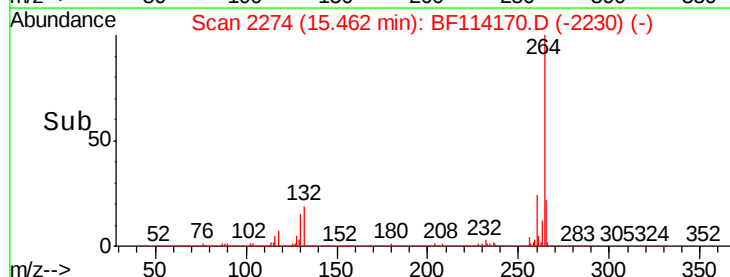
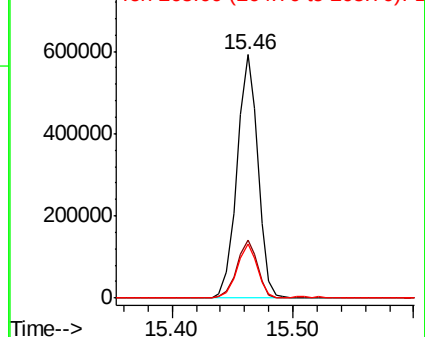
265 22.2 16.9 25.3

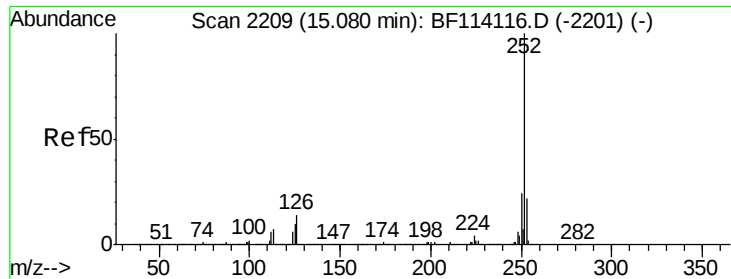


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

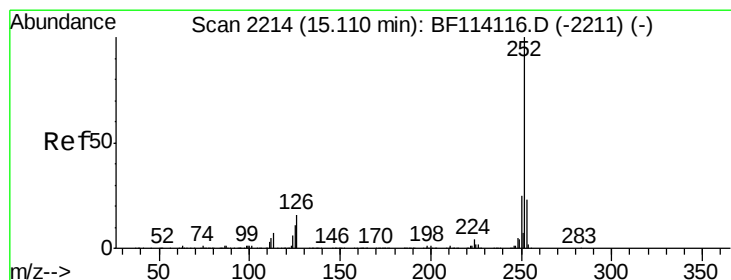
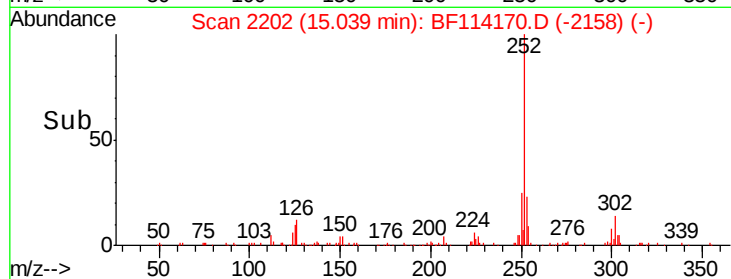
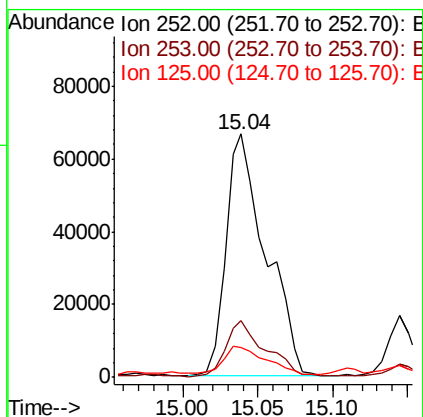
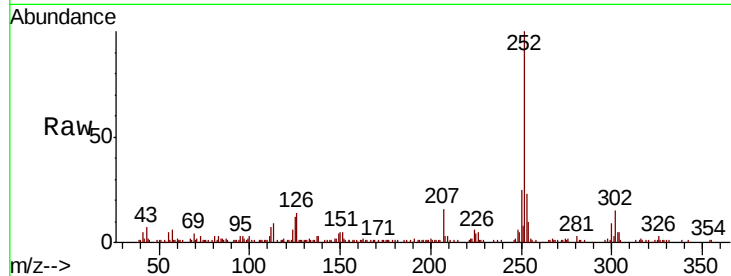




#88
Benzo(b)fluoranthene
Concen: 2.701 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF114170.D
Acq: 11 May 2019 23:07

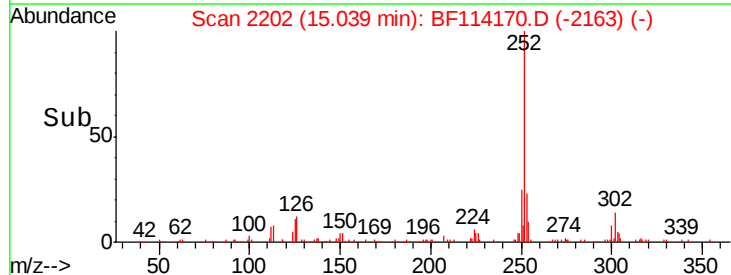
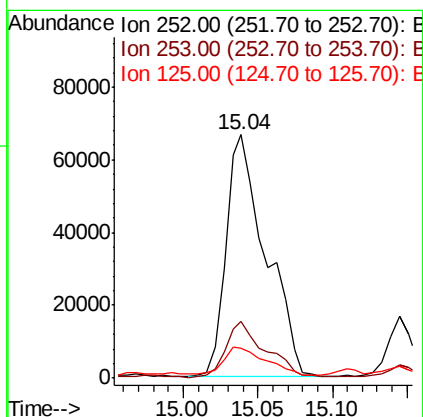
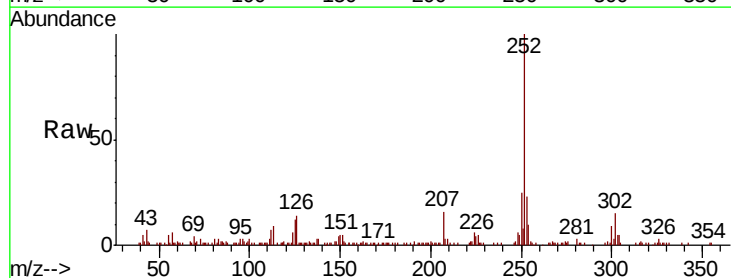
Instrument :
BNA_F
ClientSampleId :
P026-SS004-0612-01

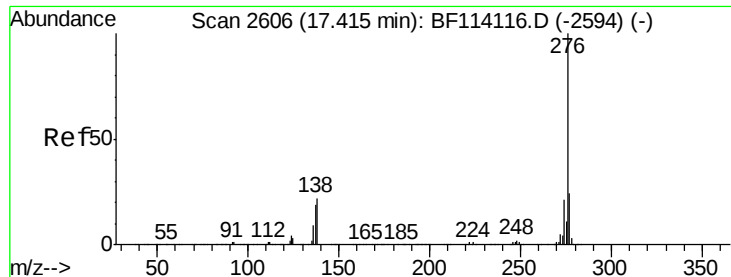
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	12.3	8.3	12.5



#89
Benzo(k)fluoranthene
Concen: 2.941 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.07 min
Lab File: BF114170.D
Acq: 11 May 2019 23:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	12.3	8.6	13.0





#92

Benzo(g,h,i)perylene

Concen: 2.265 ng

RT: 17.36 min Scan# 2596

Delta R.T. -0.06 min

Lab File: BF114170.D

Acq: 11 May 2019 23:07

Instrument :

BNA_F

ClientSampleId :

P026-SS004-0612-01

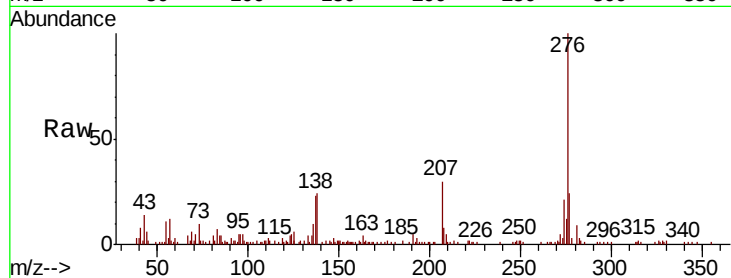
Tgt Ion: 276 Resp: 75903

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 24.0 17.8 26.6



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

