

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051719\
 Data File : BF114368.D
 Acq On : 18 May 2019 00:16
 Operator : JU/SJ
 Sample : K2894-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 18 05:07:13 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	223057	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	874996	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	415767	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	784713	20.00	ng	0.00
76) Chrysene-d12	14.01	240	527715	20.00	ng	-0.01
87) Perylene-d12	15.49	264	456529	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1150552	83.01	ng	0.00
7) Phenol-d6	6.49	99	1512254	92.25	ng	0.00
23) Nitrobenzene-d5	7.41	82	911174	58.44	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	361883	84.19	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1635891	59.52	ng	-0.01
79) Terphenyl-d14	12.95	244	1478768	57.77	ng	0.00

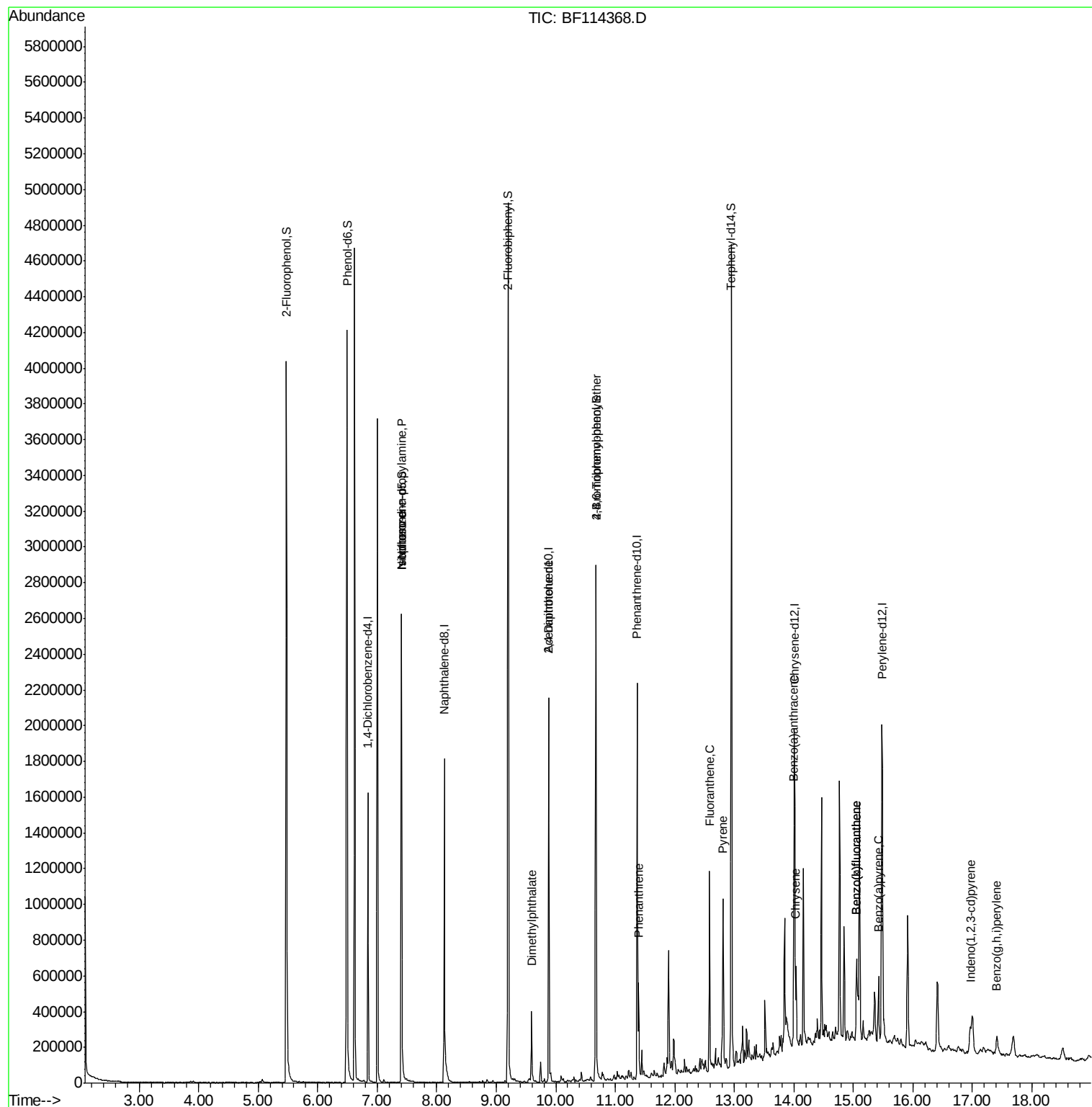
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	116847	11.245	ng	# 73
25) Isophorone	7.41	82	911163	31.511	ng	# 64
50) Dimethylphthalate	9.59	163	168252	5.513	ng	99
57) 2,4-Dinitrotoluene	9.88	165	53314	5.802	ng	# 25
67) 4-Bromophenyl-phenylether	10.67	248	23264	2.693	ng	# 1
71) Phenanthrene	11.39	178	185195	4.851	ng	97
75) Fluoranthene	12.58	202	436180	10.610	ng	98
78) Pyrene	12.81	202	391988	9.234	ng	99
81) Benzo(a)anthracene	14.00	228	219751	6.438	ng	99
83) Chrysene	14.04	228	194888	5.825	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	83046	2.808	ng	99
88) Benzo(b)fluoranthene	15.05	252	354524	12.121	ng	97
89) Benzo(k)fluoranthene	15.05	252	354524	13.195	ng	97
90) Benzo(a)pyrene	15.42	252	183008	7.110	ng	99
92) Benzo(a,h,i)perylene	17.41	276	76634	3.575	ng	98

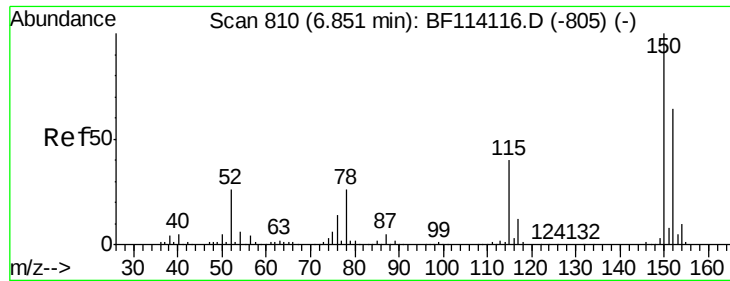
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051719\
Data File : BF114368.D
Acq On : 18 May 2019 00:16
Operator : JU/SJ
Sample : K2894-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 18 05:07:13 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



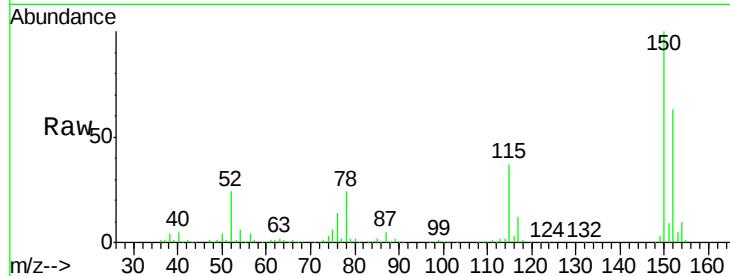


#1

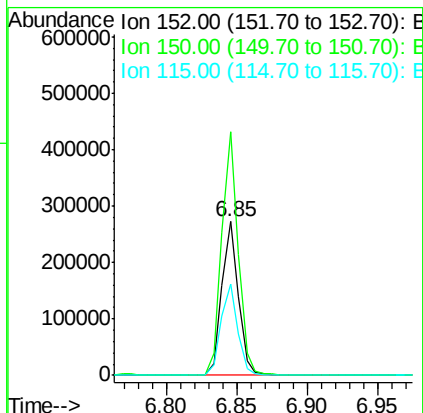
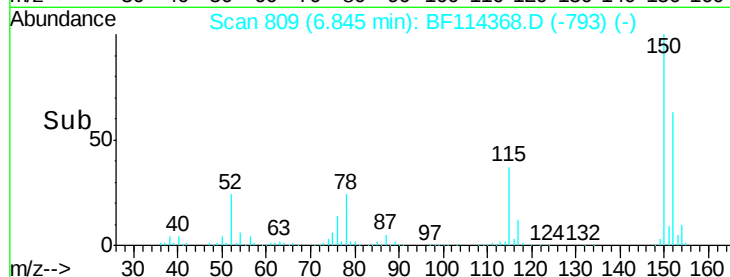
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.3	186.5
115	59.1	49.1	73.7



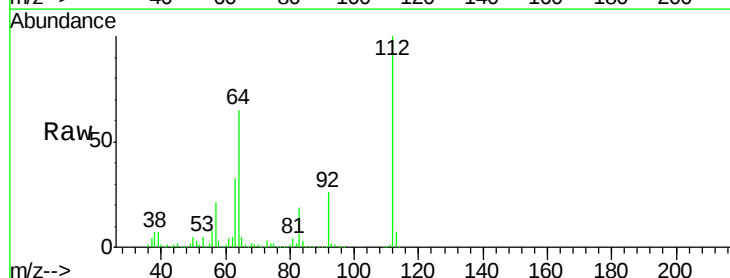
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



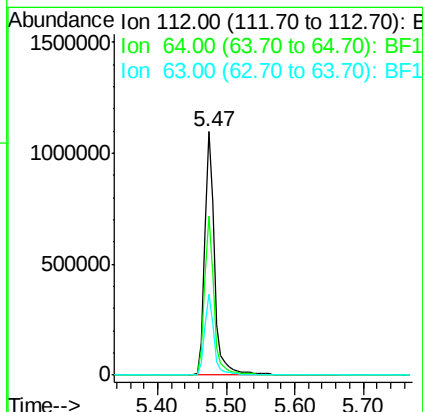
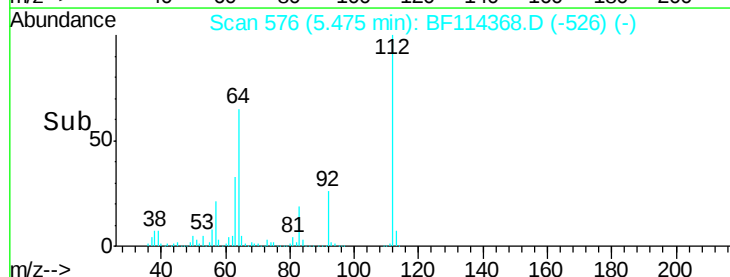
#5

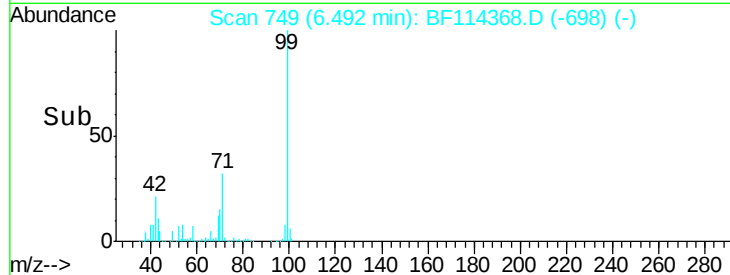
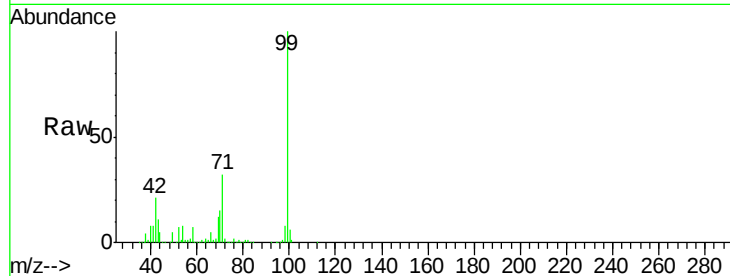
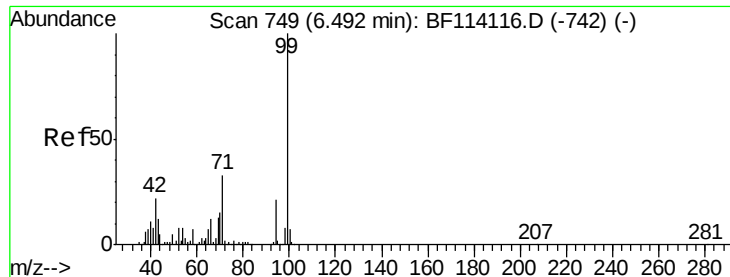
2-Fluorophenol
Concen: 83.007 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	49.0	73.6
63	33.1	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: 92.246 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

Instrument :

BNA_F

ClientSampleId :

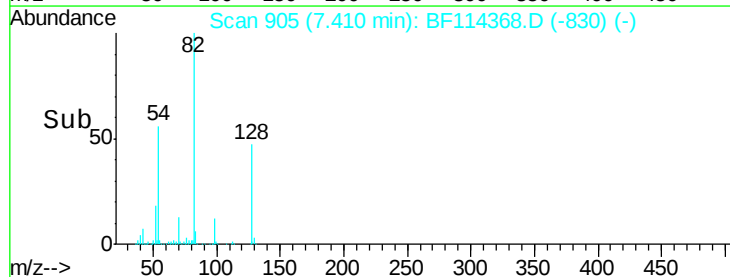
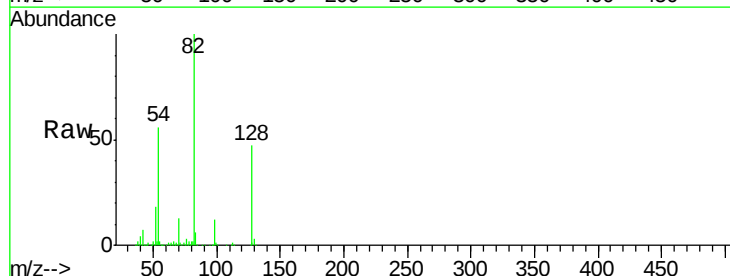
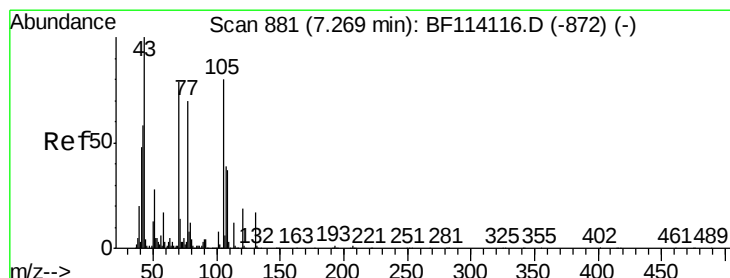
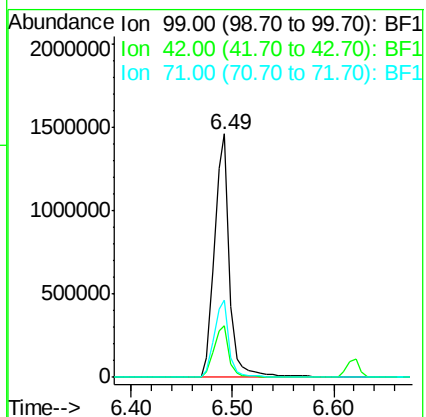
Tot Ion: 99 Resp: 1512254

Ion Ratio Lower Upper

99 100

42 21.4 17.9 26.9

71 31.7 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.245 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

Tgt Ion: 70 Resp: 116847

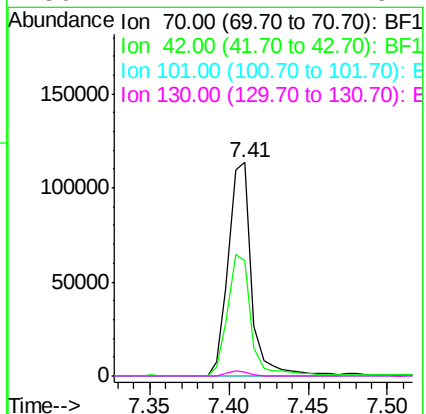
Ion Ratio Lower Upper

70 100

42 54.2 58.6 87.8#

101 0.0 7.8 11.8#

130 2.1 17.1 25.7#

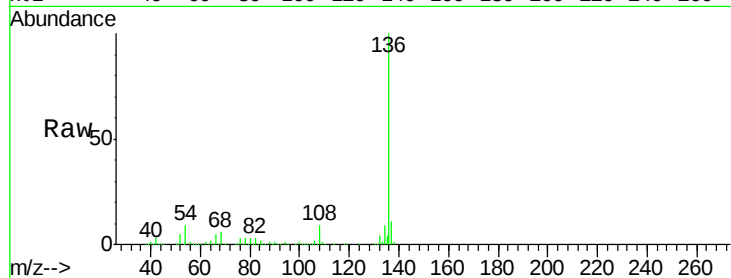




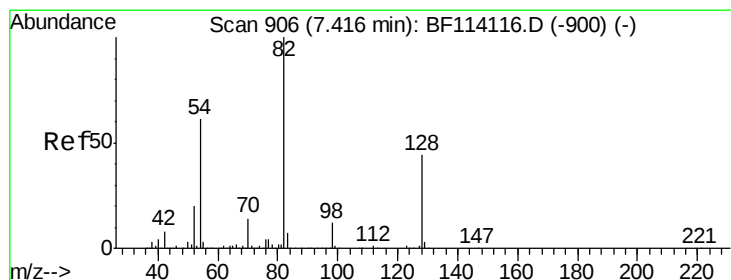
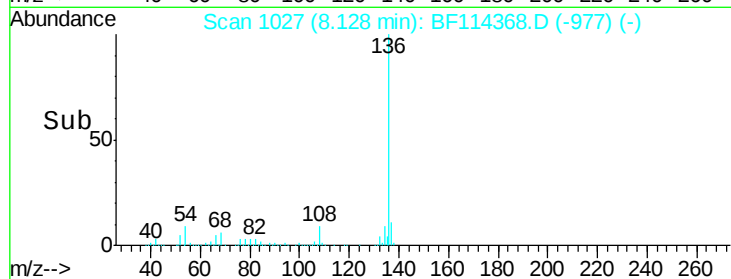
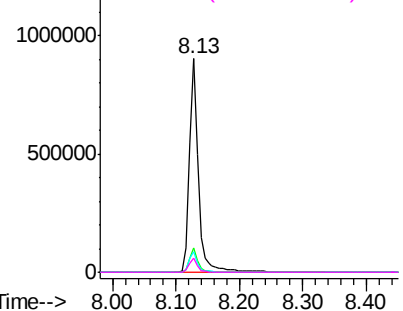
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	874996
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.8 13.2
54	9.4	7.8 11.8
68	6.4	5.1 7.7

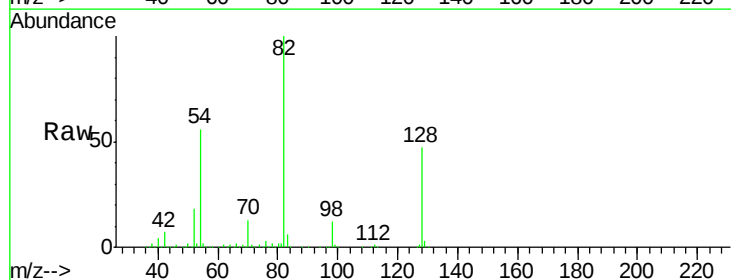


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

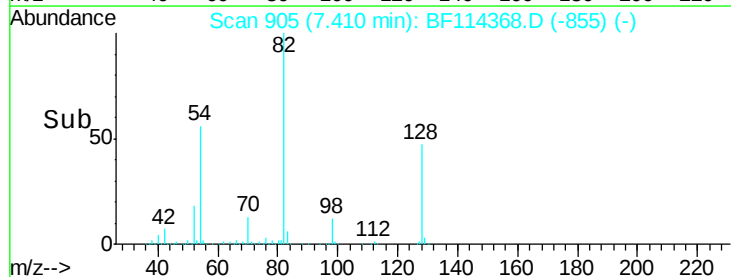
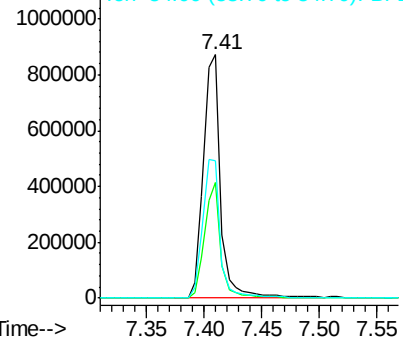


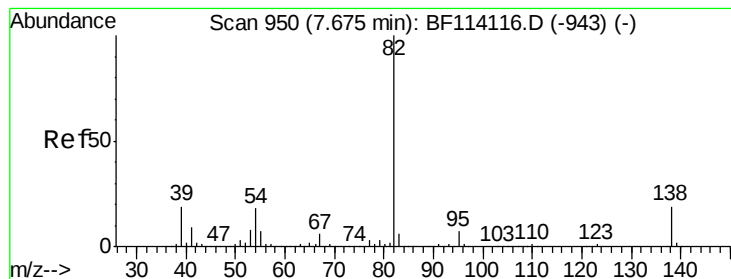
#23
Nitrobenzene-d5
Concen: 58.440 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Tgt Ion: 82	Resp:	911174
Ion	Ratio	Lower Upper
82	100	
128	47.4	35.5 53.3
54	56.2	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: 31.511 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

Instrument :

BNA_F

ClientSampled :

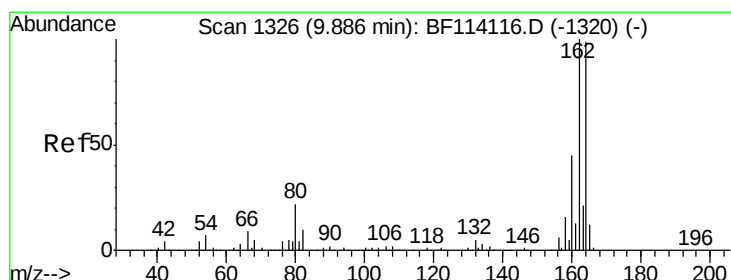
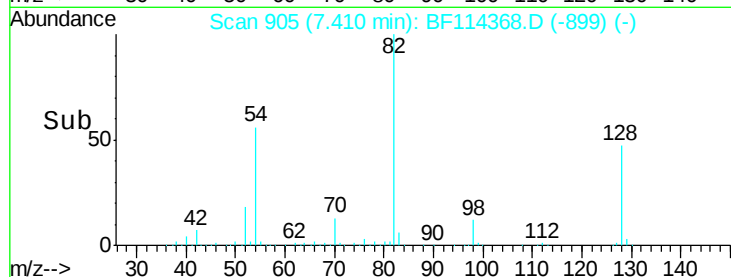
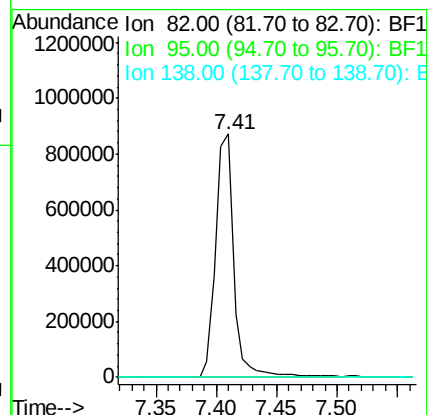
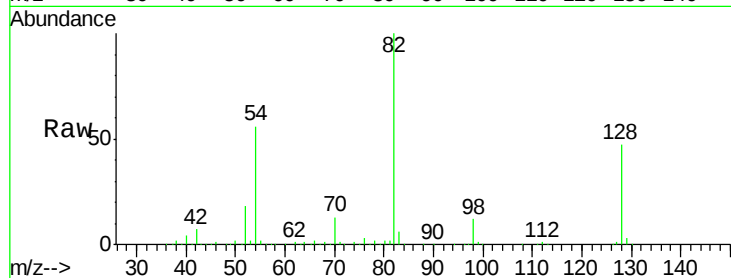
Tot Ion: 82 Resp: 911163

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.8 22.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

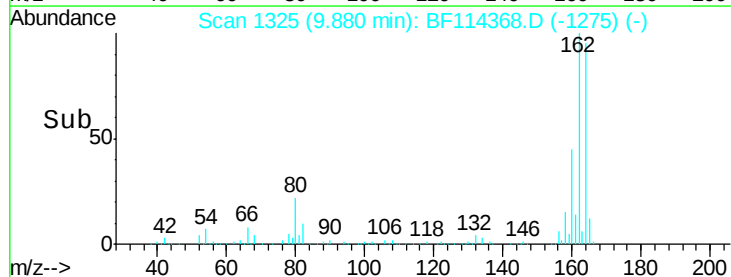
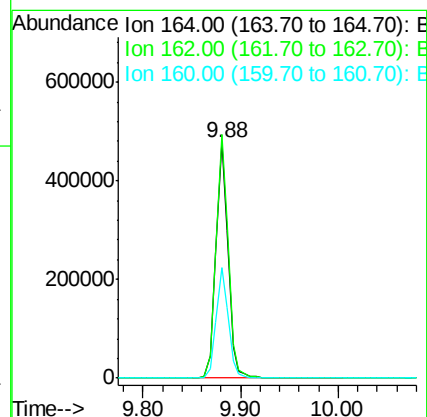
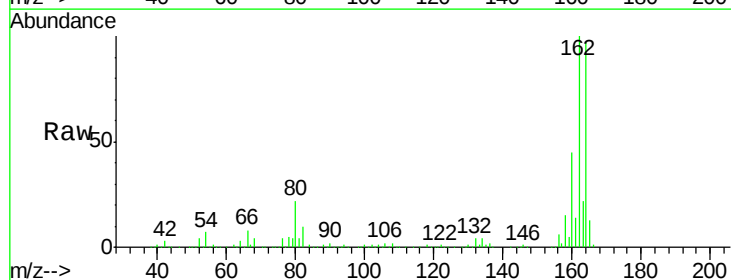
Tgt Ion: 164 Resp: 415767

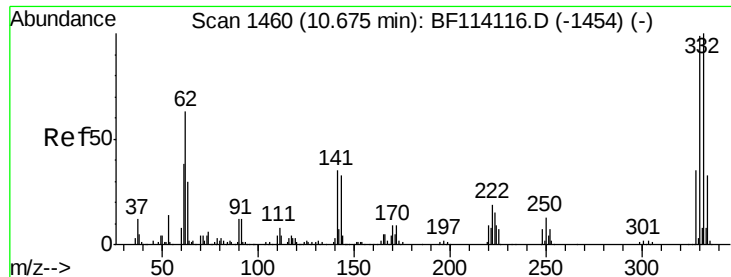
Ion Ratio Lower Upper

164 100

162 103.3 80.6 120.8

160 46.7 36.5 54.7

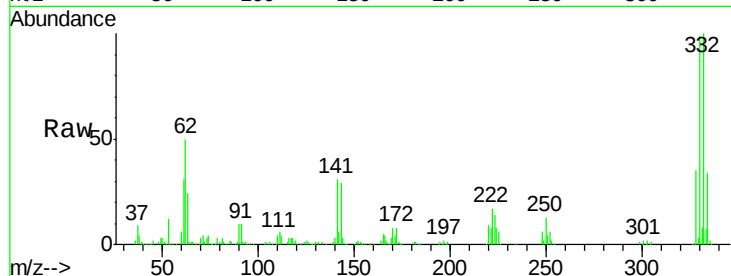




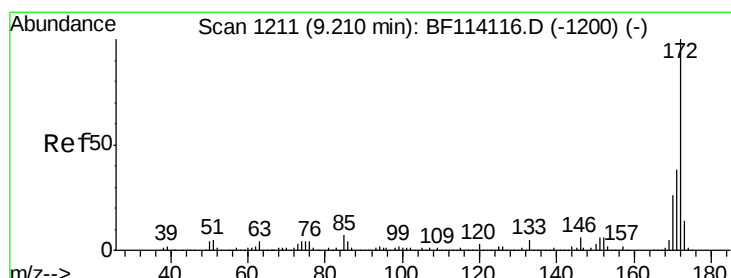
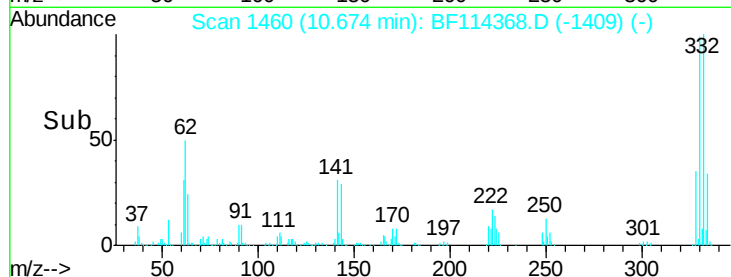
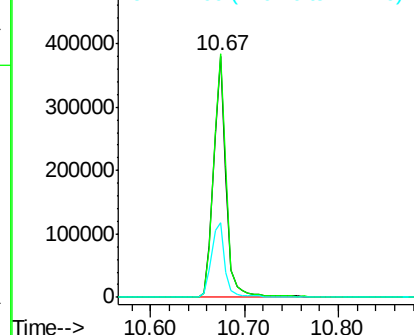
#42
 2,4,6-Tribromophenol
 Concen: 84.191 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: BF114368.D
 Acq: 18 May 2019 00:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.2	81.4	122.2
141	33.5	26.6	40.0

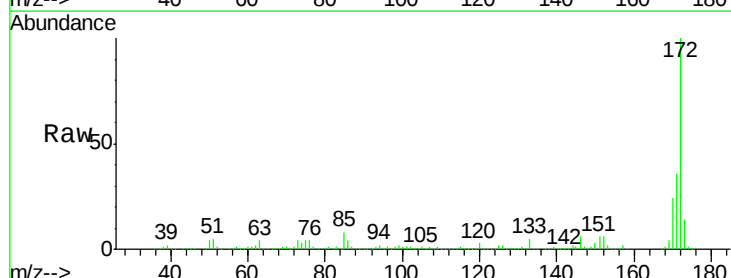


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

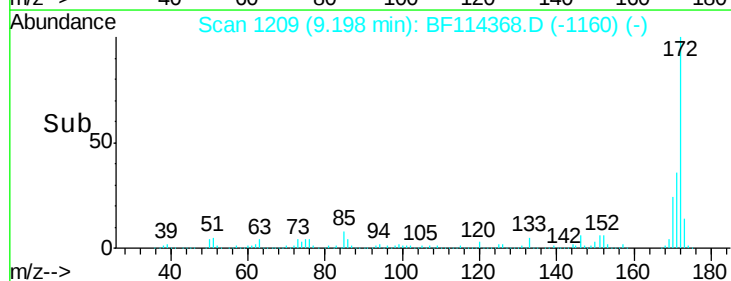
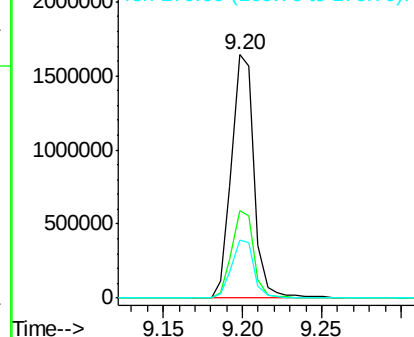


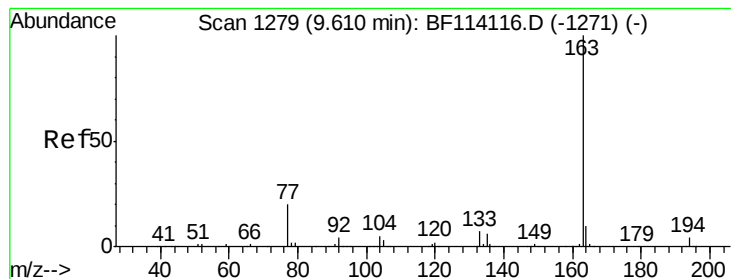
#45
 2-Fluorobiphenyl
 Concen: 59.518 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF114368.D
 Acq: 18 May 2019 00:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.7	46.1
170	23.9	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: 5.513 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

Instrument :

BNA_F

ClientSampleId :

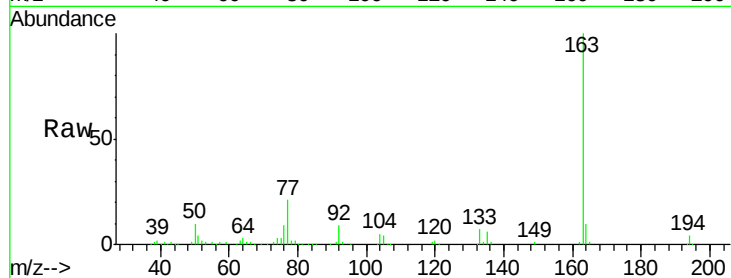
Tot Ion:163 Resp: 168252

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

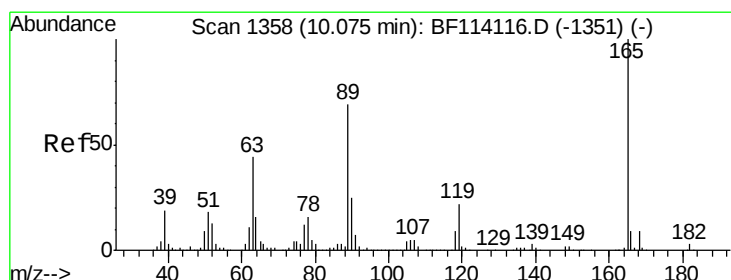
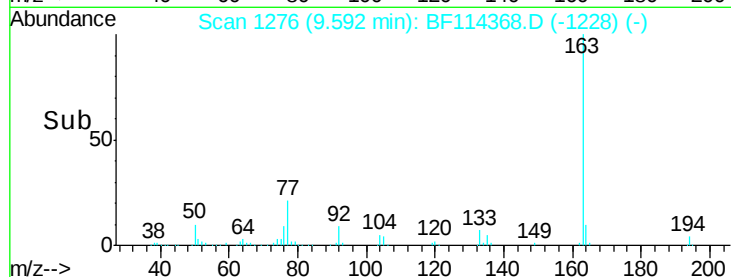
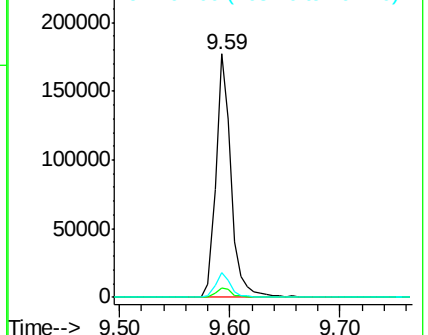
164 10.0 8.2 12.2



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



#57

2,4-Dinitrotoluene

Concen: 5.802 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

Tgt Ion:165 Resp: 53314

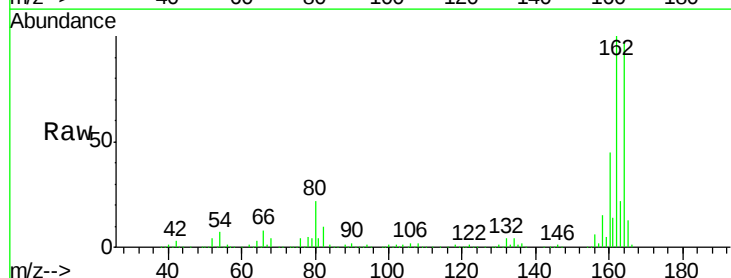
Ion Ratio Lower Upper

165 100

63 1.3 35.5 53.3#

89 1.6 55.2 82.8#

182 0.0 2.2 3.2#

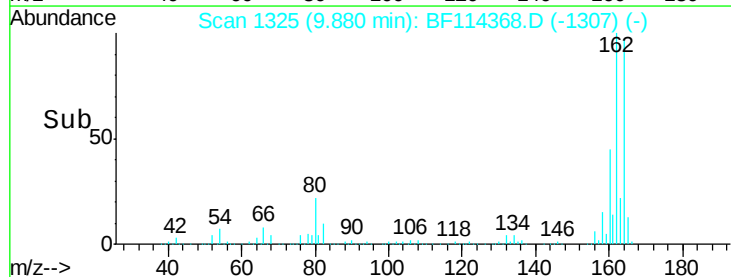
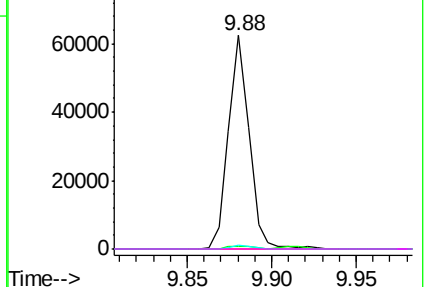


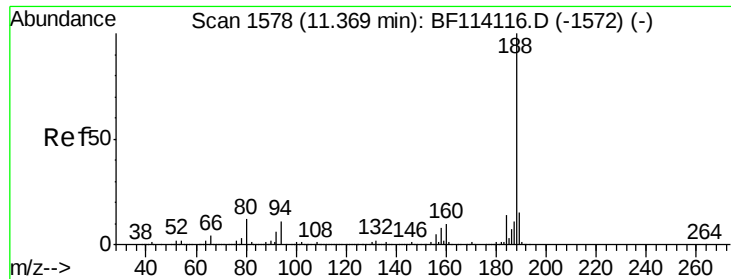
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

Instrument :

BNA_F

ClientSampled :

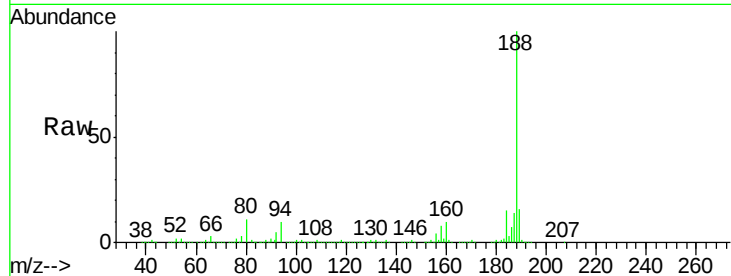
Tot Ion:188 Resp: 784713

Ion Ratio Lower Upper

188 100

94 9.9 8.4 12.6

80 10.6 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

1200000

1000000

800000

600000

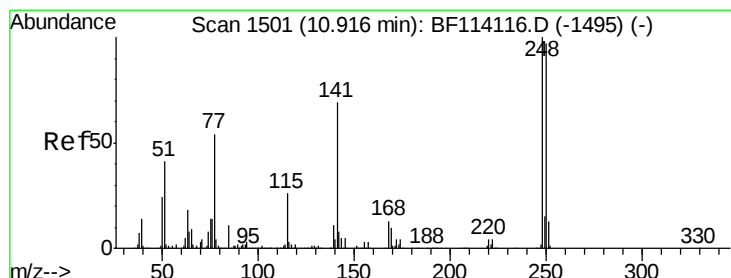
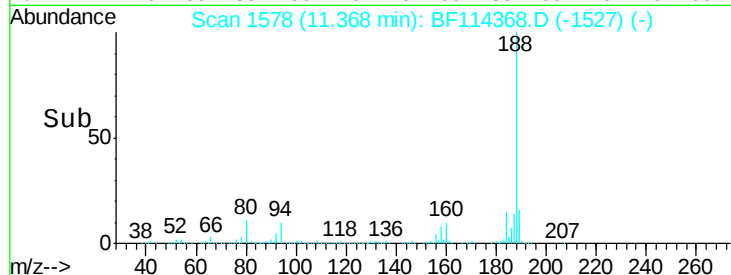
400000

200000

0

11.30 11.35 11.40

Time-->



#67

4-Bromophenyl-phenylether

Concen: 2.693 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.24 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

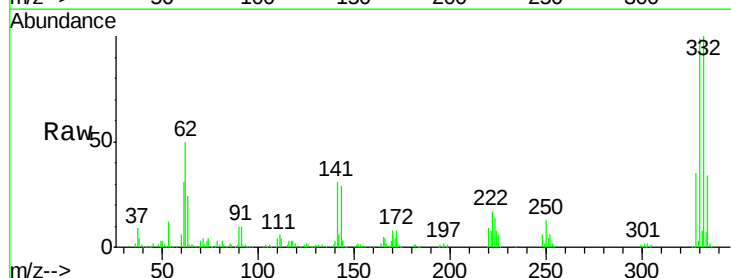
Tgt Ion:248 Resp: 23264

Ion Ratio Lower Upper

248 100

250 196.1 77.4 116.2#

141 479.5 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

150000

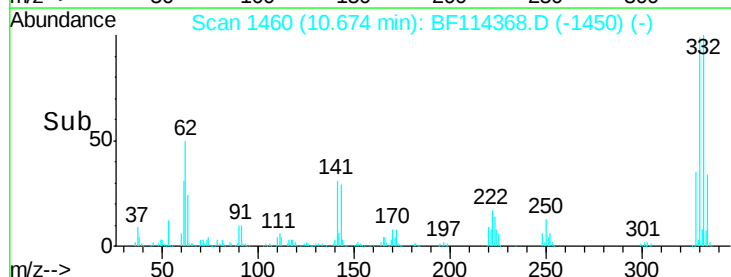
100000

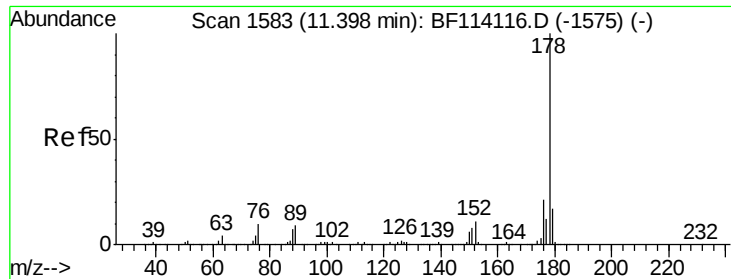
50000

0

10.65 10.70

Time-->

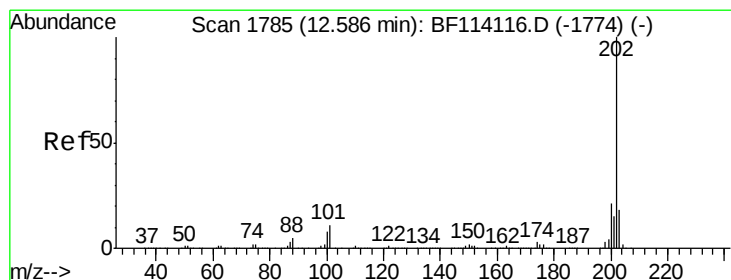
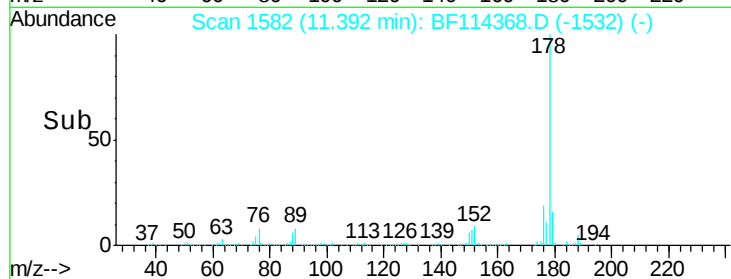
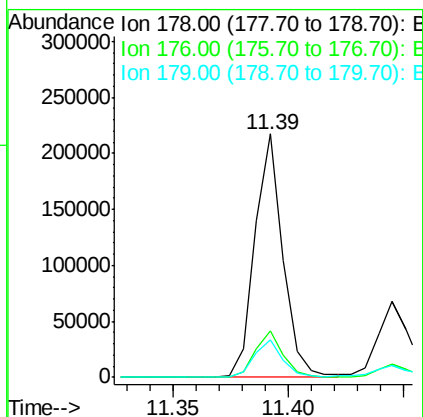
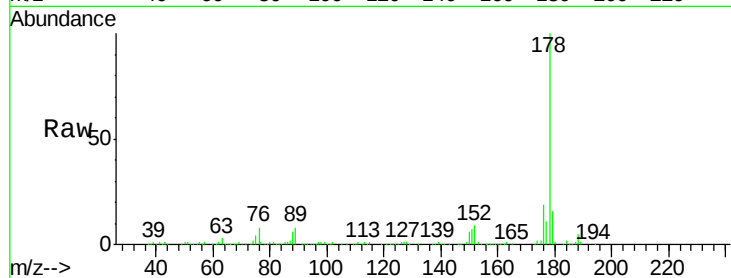




#71
Phenanthrene
Concen: 4.851 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

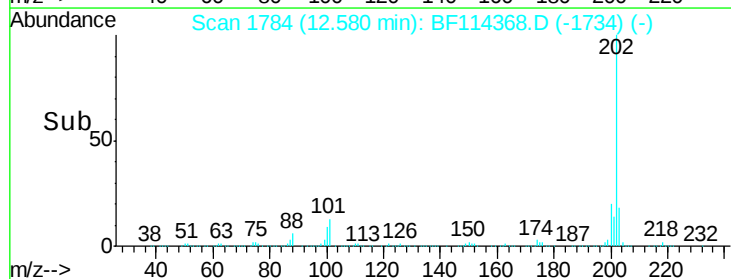
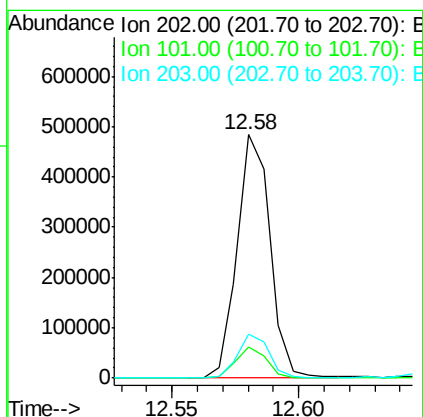
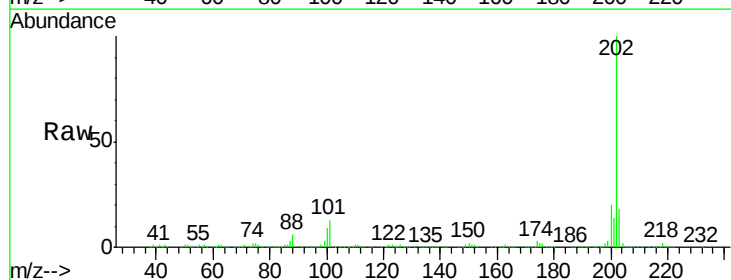
Instrument :
BNA_F
ClientSampled :

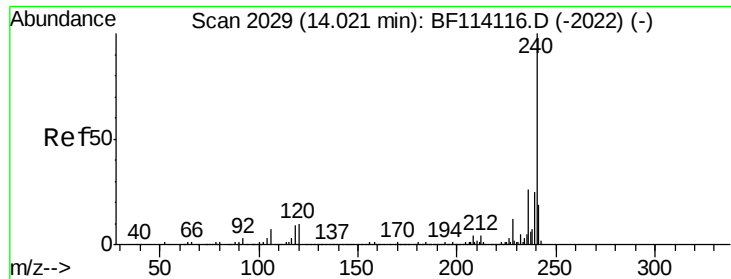
Tot Ion:178 Resp: 185195
Ion Ratio Lower Upper
178 100
176 18.9 16.4 24.6
179 15.7 13.2 19.8



#75
Fluoranthene
Concen: 10.610 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Tgt Ion:202 Resp: 436180
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.0
203 18.0 0.0 38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

Instrument :

BNA_F

ClientSampleId :

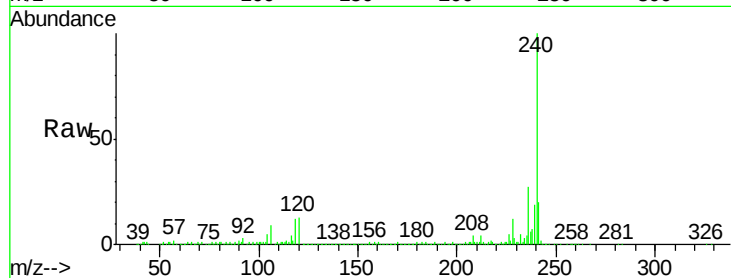
Tot Ion:240 Resp: 527715

Ion Ratio Lower Upper

240 100

120 13.1 8.3 12.5#

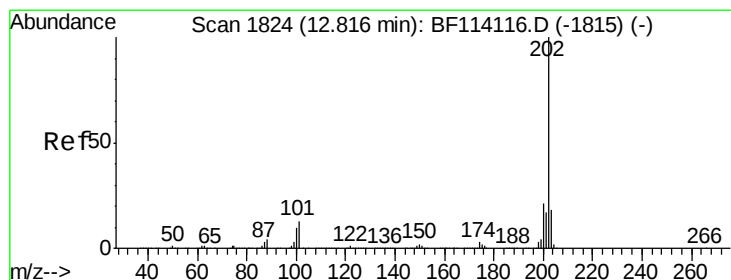
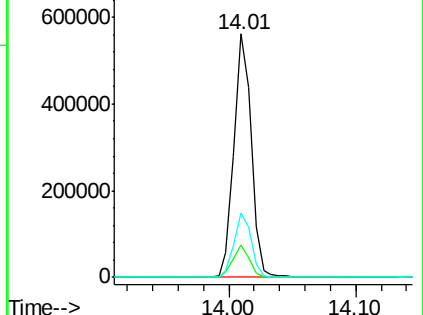
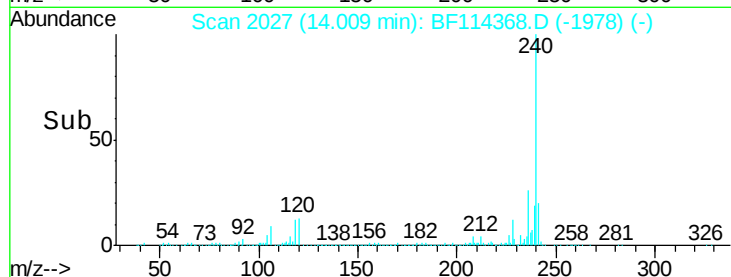
236 26.5 20.8 31.2



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: 9.234 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

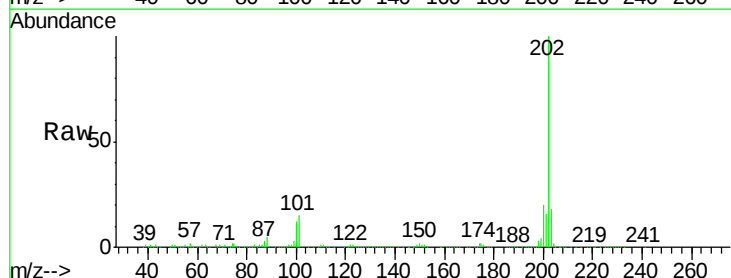
Tgt Ion:202 Resp: 391988

Ion Ratio Lower Upper

202 100

200 19.9 16.9 25.3

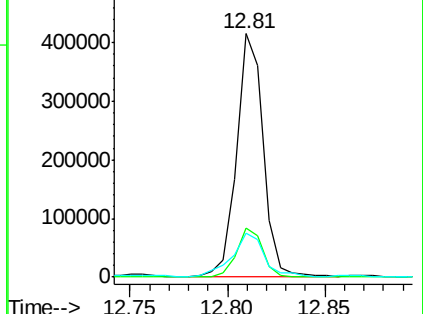
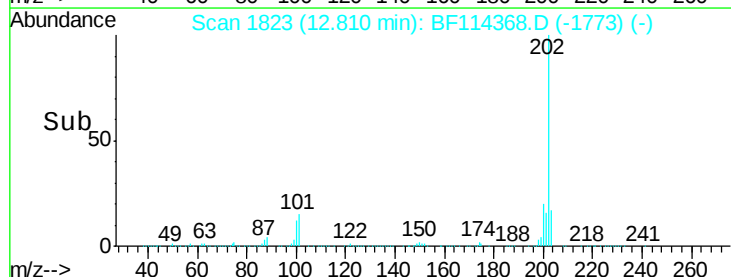
203 18.1 14.5 21.7

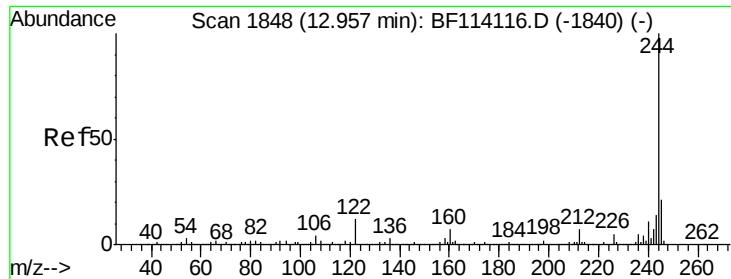


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 57.766 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

Instrument :

BNA_F

ClientSampleId :

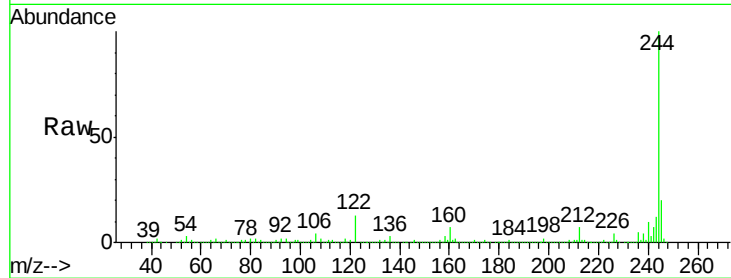
Tot Ion:244 Resp: 1478768

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

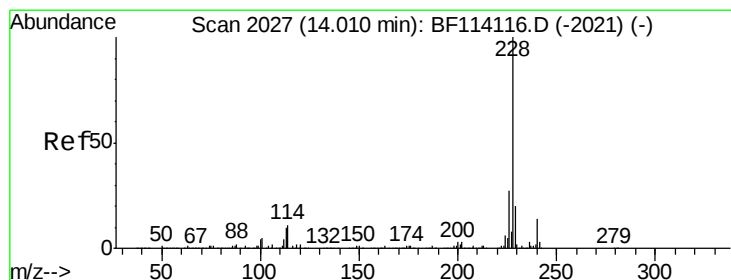
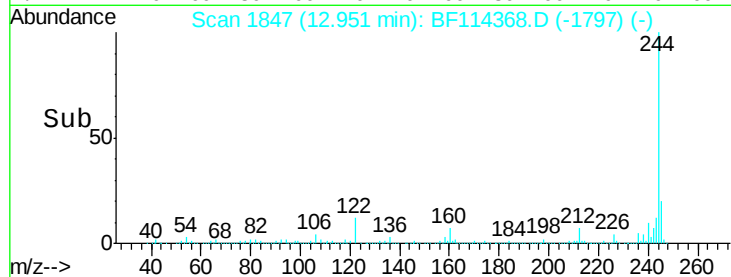
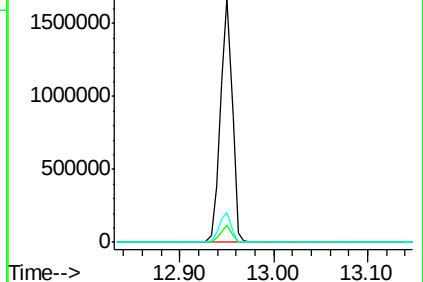
122 12.5 9.4 14.2



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: 6.438 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF114368.D

Acq: 18 May 2019 00:16

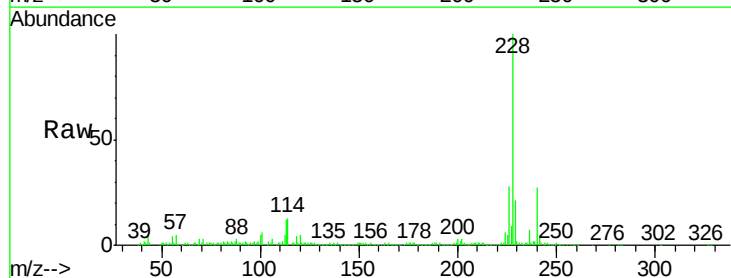
Tgt Ion:228 Resp: 219751

Ion Ratio Lower Upper

228 100

226 27.7 22.2 33.2

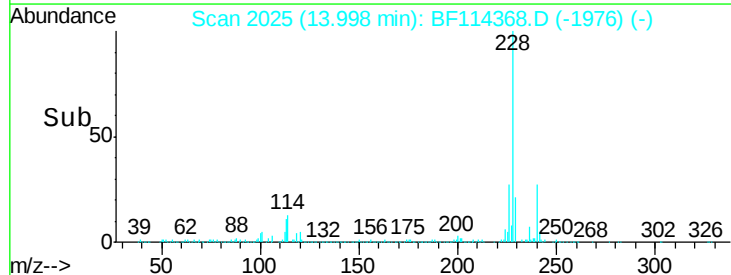
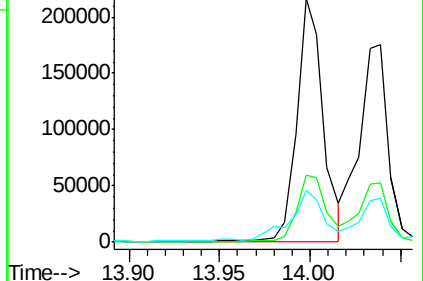
229 21.4 16.4 24.6

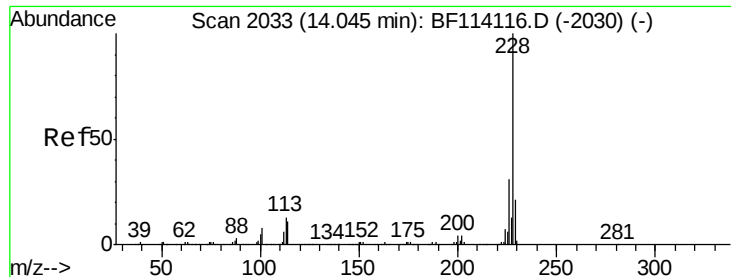


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

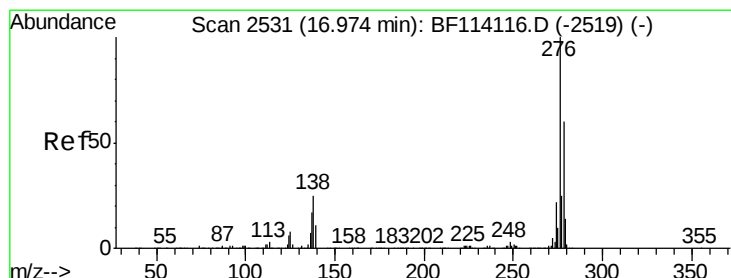
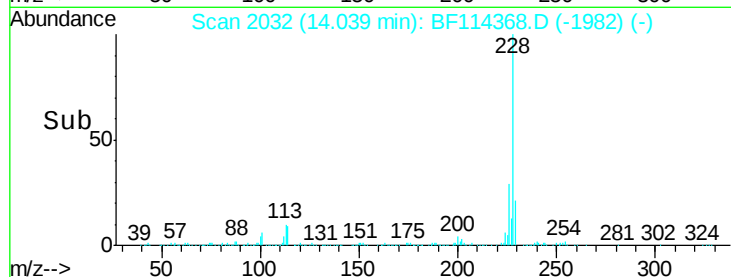
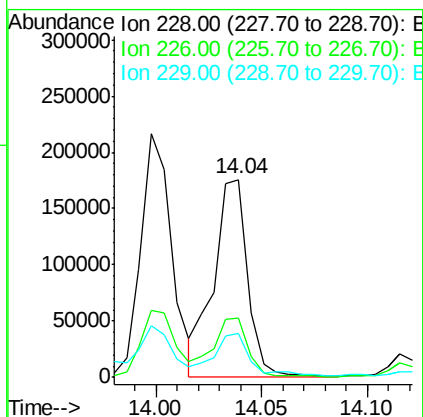
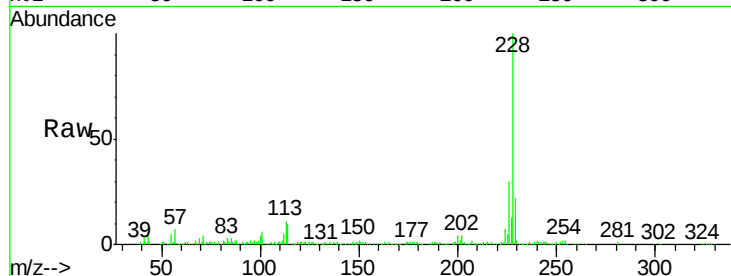




#83
Chrysene
Concen: 5.825 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

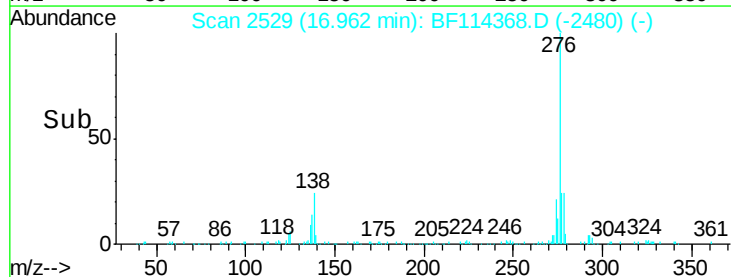
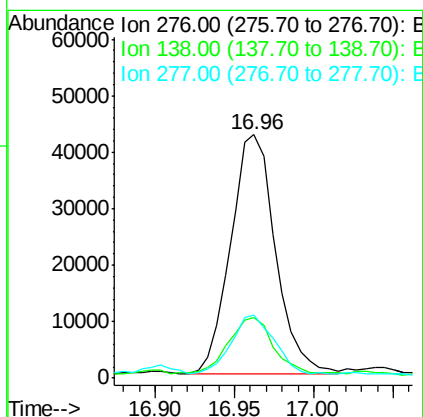
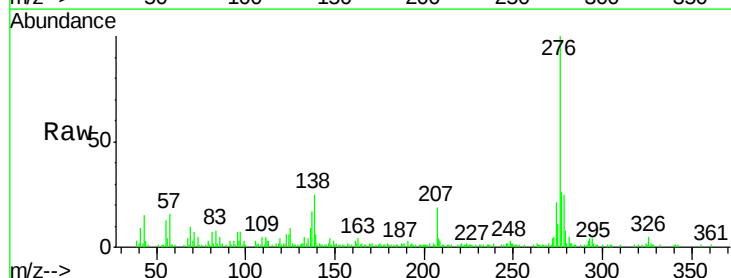
Instrument :
BNA_F
ClientSampleId :

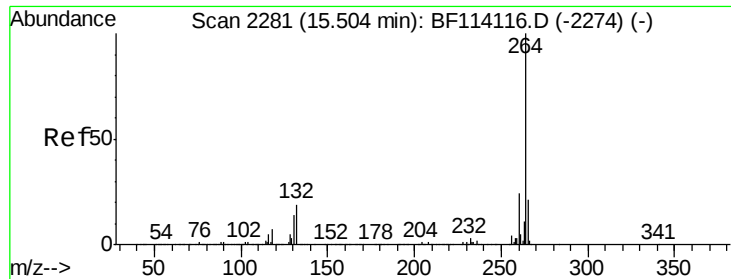
Tot Ion:228 Resp: 194888
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 22.0 17.0 25.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.808 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Tgt Ion:276 Resp: 83046
Ion Ratio Lower Upper
276 100
138 24.8 20.2 30.2
277 24.1 20.0 30.0



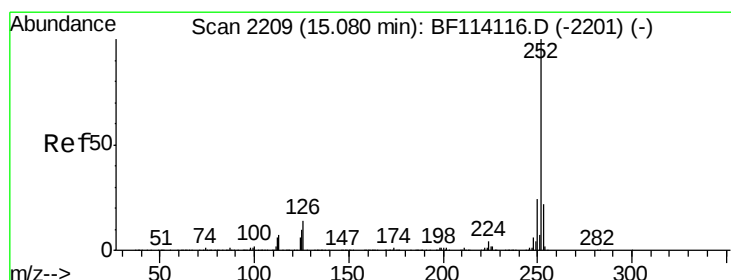
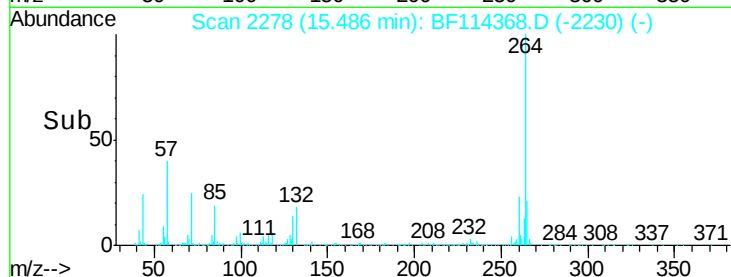
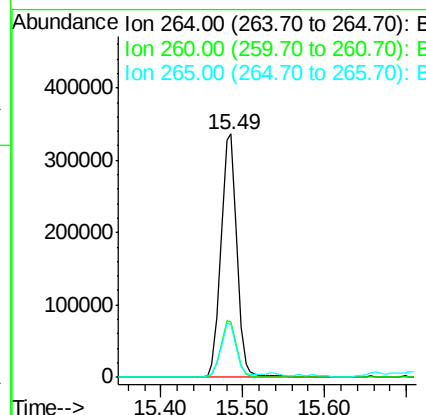
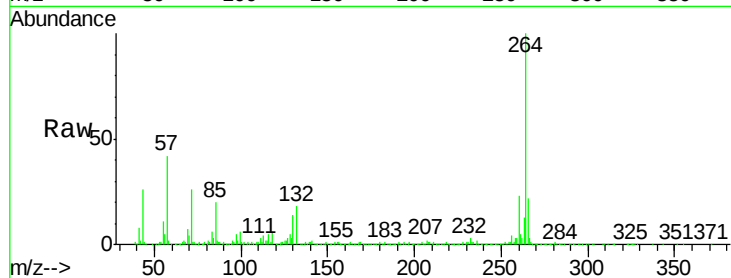


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 456529

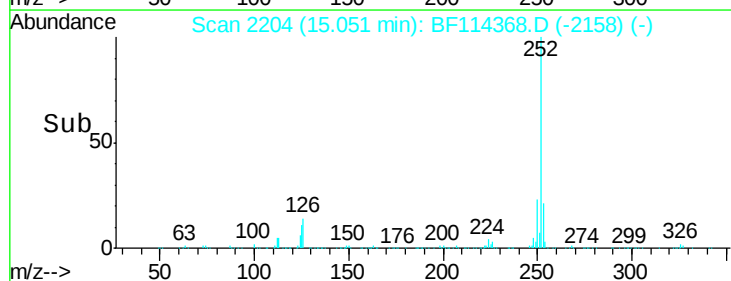
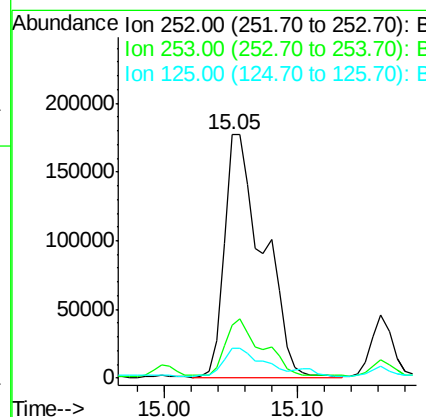
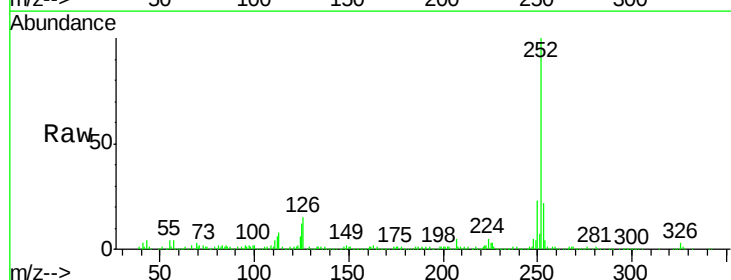
Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.4	29.0
265	21.6	16.9	25.3

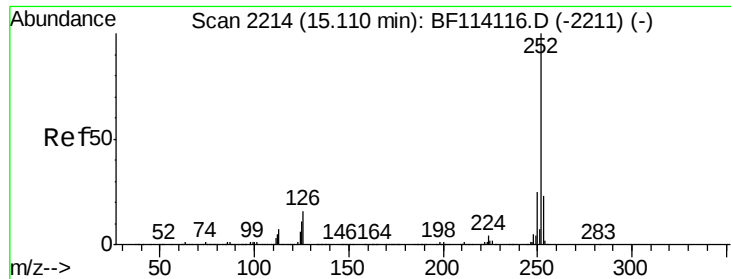


#88
Benzo(b)fluoranthene
Concen: 12.121 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Tgt Ion:252 Resp: 354524

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	12.3	8.3	12.5

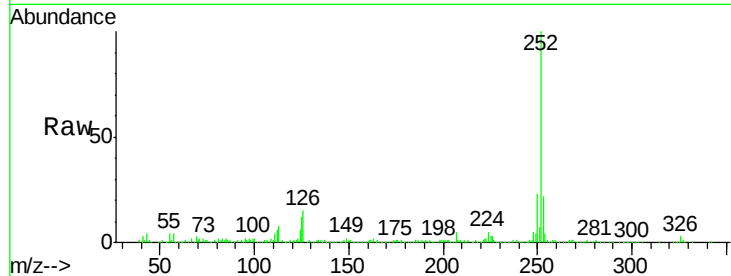




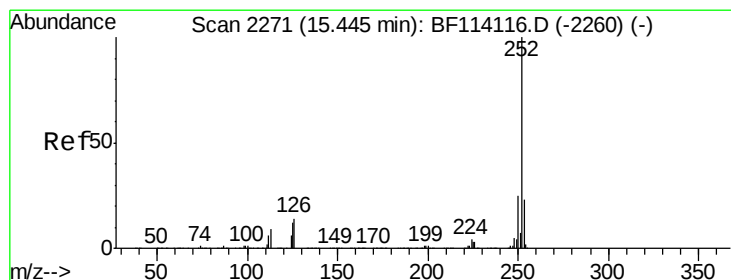
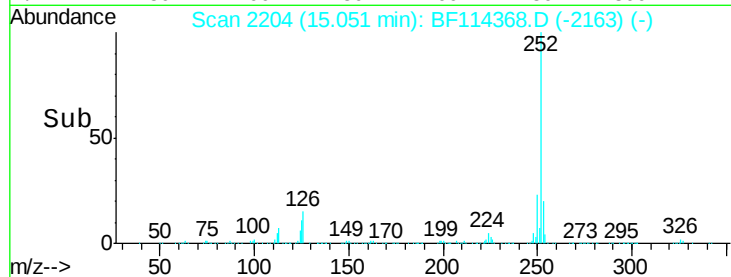
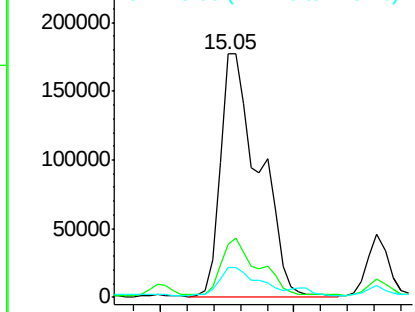
#89
Benzo(k)fluoranthene
Concen: 13.195 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.06 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.2
125	12.3	8.6	13.0

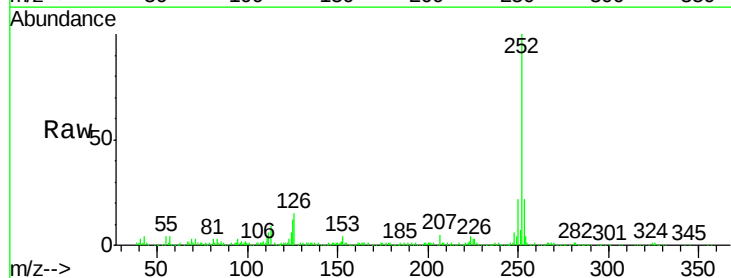


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

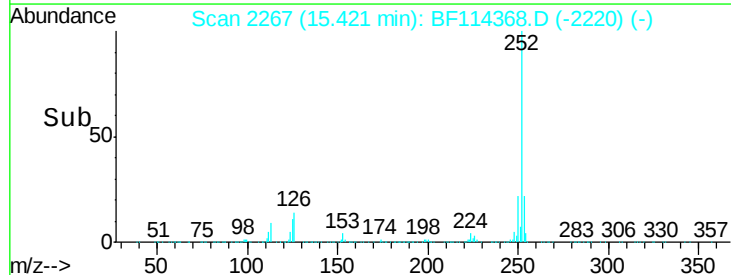
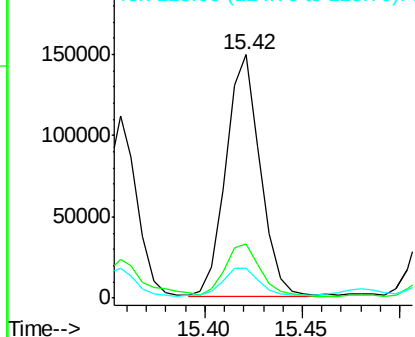


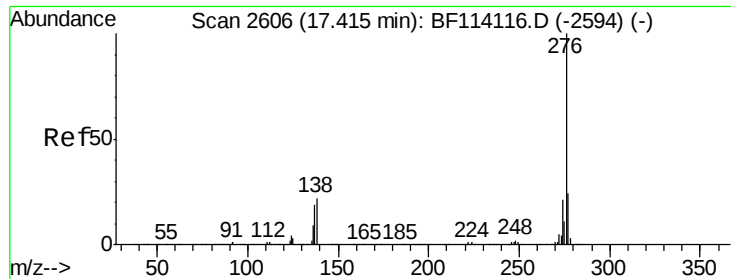
#90
Benzo(a)pyrene
Concen: 7.110 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF114368.D
Acq: 18 May 2019 00:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	12.2	9.5	14.3



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

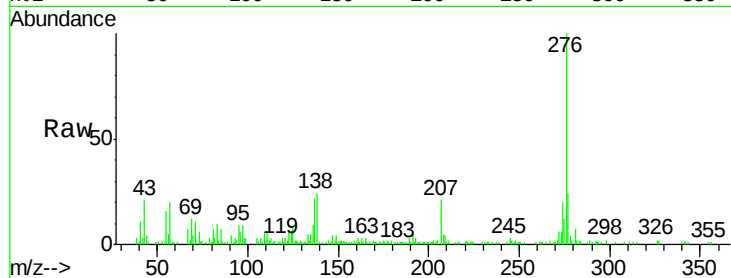




#92
 Benzo(a,h,i)perylene
 Concen: 3.575 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. -0.01 min
 Lab File: BF114368.D
 Acq: 18 May 2019 00:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	24.2	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

