

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051719\
 Data File : BF114361.D
 Acq On : 17 May 2019 20:18
 Operator : JU/SJ
 Sample : K2894-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 18 05:06:23 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	220619	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	868027	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	418301	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	818384	20.00	ng	0.00
76) Chrysene-d12	14.02	240	554713	20.00	ng	0.00
87) Perylene-d12	15.51	264	519278	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1224010	89.28	ng	0.00
7) Phenol-d6	6.49	99	1639761	101.13	ng	0.00
23) Nitrobenzene-d5	7.41	82	1003972	64.91	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	384607	88.94	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1484150	53.67	ng	-0.01
79) Terphenyl-d14	12.95	244	1347831	50.09	ng	0.00

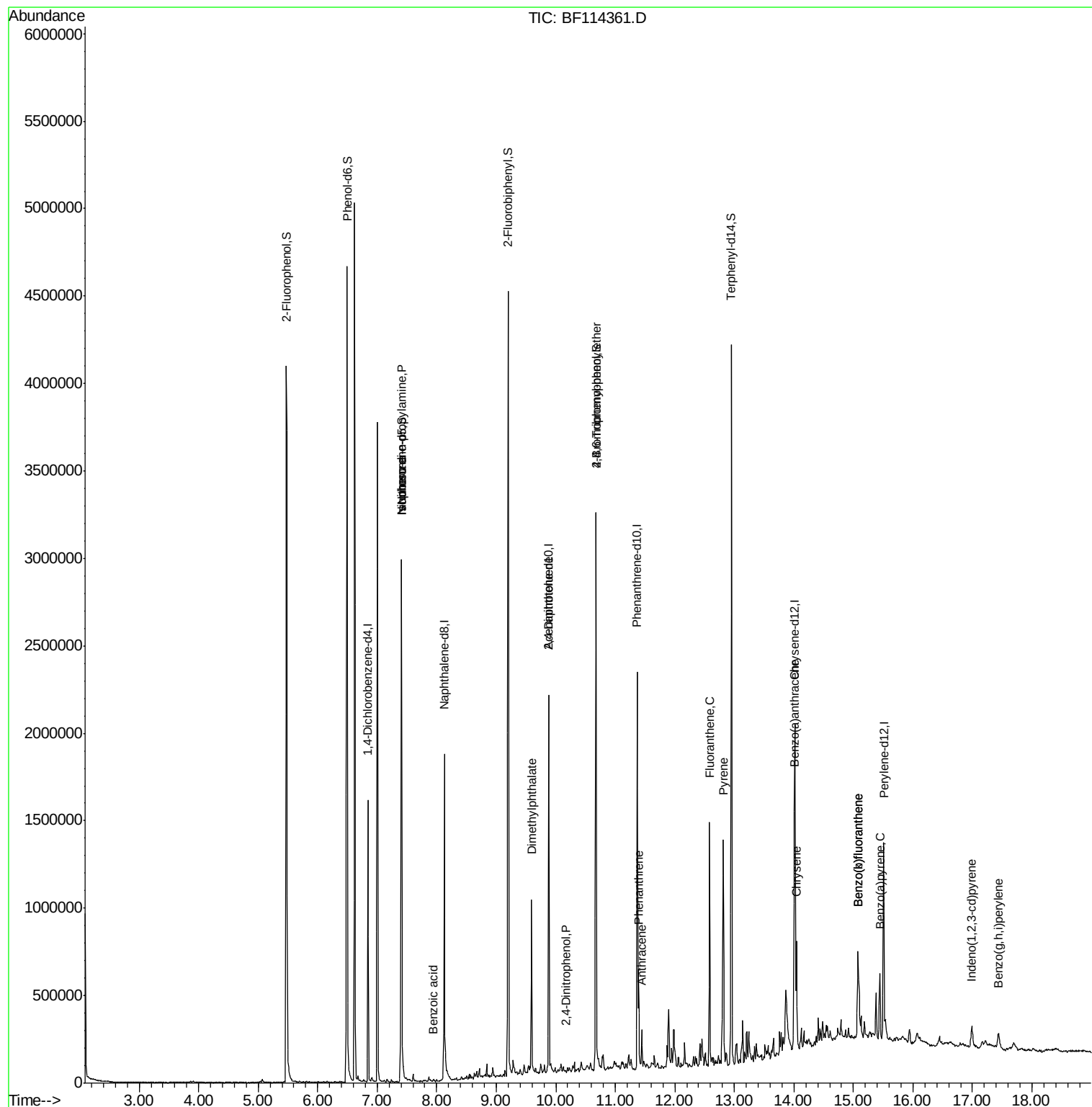
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.41	70	129615	12.612	ng	# 74
25) Isophorone	7.41	82	1003966	34.999	ng	# 64
32) Benzoic acid	7.95	122	699	7.090	ng	# 1
50) Dimethylphthalate	9.59	163	367915	11.981	ng	99
54) 2,4-Dinitrophenol	10.16	184	566	6.897	ng	# 18
57) 2,4-Dinitrotoluene	9.88	165	54611	5.908	ng	# 25
67) 4-Bromophenyl-phenylether	10.67	248	24800	2.752	ng	# 1
71) Phenanthrene	11.39	178	189581	4.761	ng	96
72) Anthracene	11.45	178	88213	2.206	ng	97
75) Fluoranthene	12.59	202	587148	13.694	ng	99
78) Pyrene	12.82	202	540507	12.112	ng	98
81) Benzo(a)anthracene	14.00	228	300498	8.375	ng	98
83) Chrysene	14.04	228	269251	7.655	ng	97
86) Indeno(1,2,3-cd)pyrene	16.99	276	78952	2.540	ng	98
88) Benzo(b)fluoranthene	15.07	252	381639	11.472	ng	99
89) Benzo(k)fluoranthene	15.07	252	381639	12.488	ng	99
90) Benzo(a)pyrene	15.44	252	199625	6.818	ng	97
92) Benzo(g,h,i)perylene	17.44	276	70723	2.901	ng	95

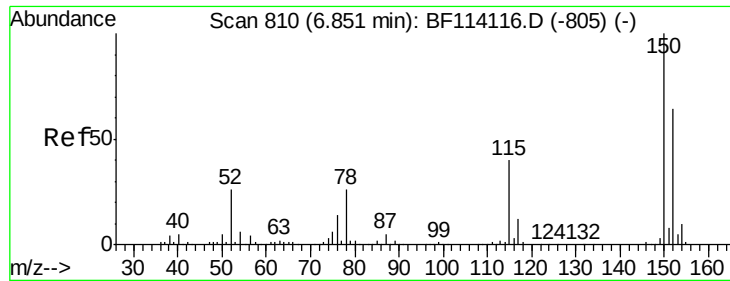
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051719\
Data File : BF114361.D
Acq On : 17 May 2019 20:18
Operator : JU/SJ
Sample : K2894-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 18 05:06:23 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



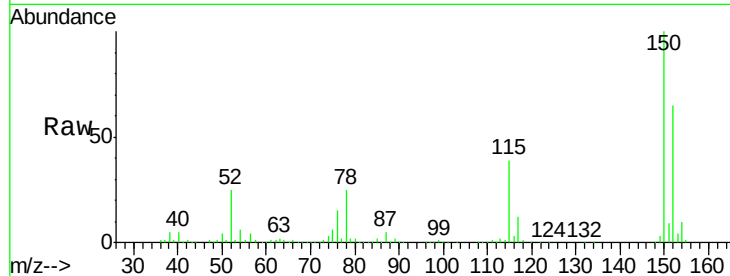


#1

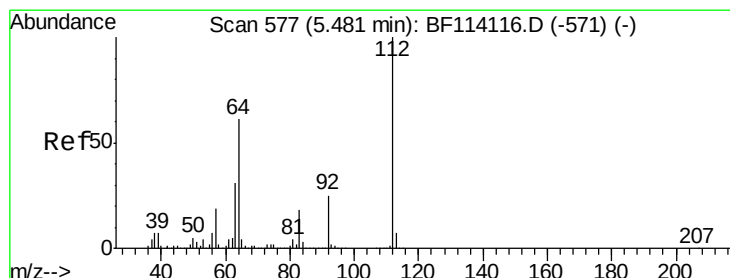
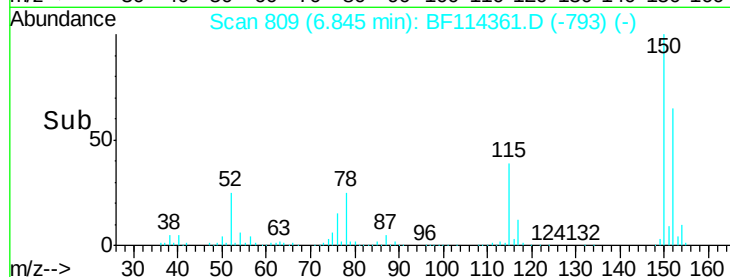
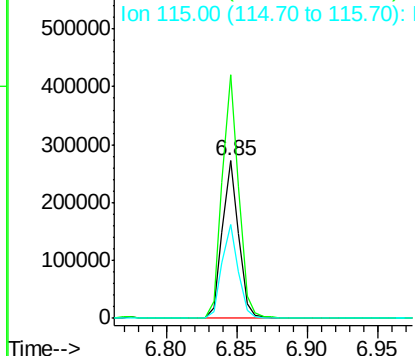
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 220619
Ion Ratio Lower Upper
152 100
150 154.4 124.3 186.5
115 59.6 49.1 73.7



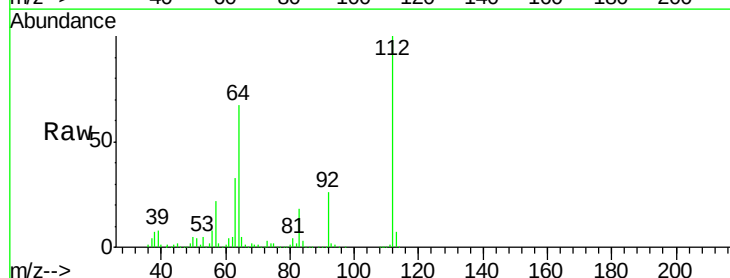
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



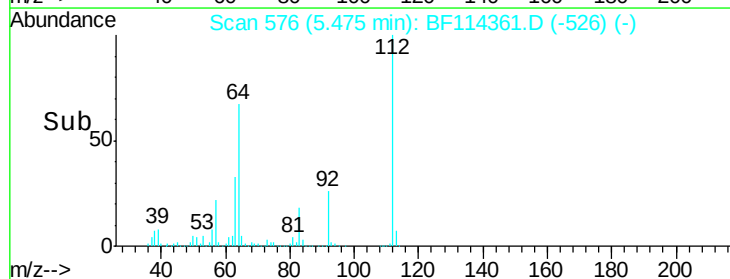
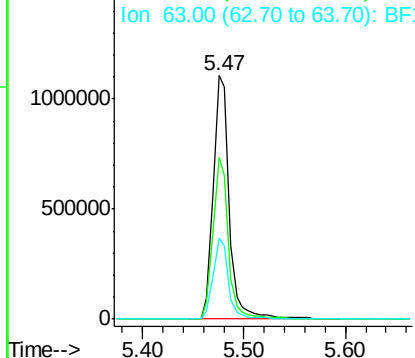
#5

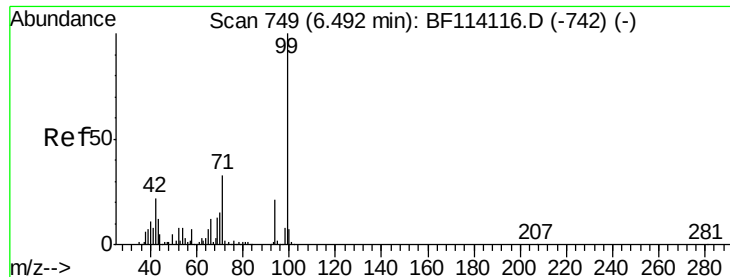
2-Fluorophenol
Concen: 89.283 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Tgt Ion:112 Resp: 1224010
Ion Ratio Lower Upper
112 100
64 66.6 49.0 73.6
63 33.4 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: 101.130 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

Instrument :

BNA_F

ClientSampleId :

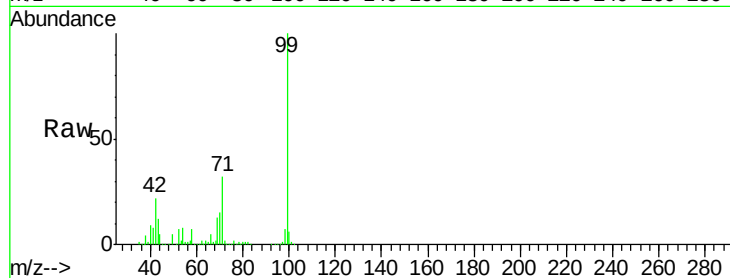
Tot Ion: 99 Resp: 1639761

Ion Ratio Lower Upper

99 100

42 22.4 17.9 26.9

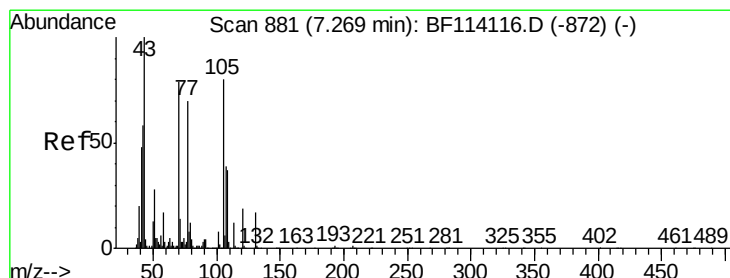
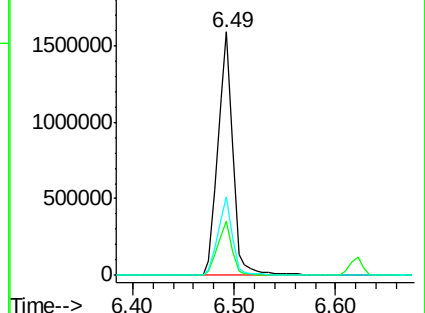
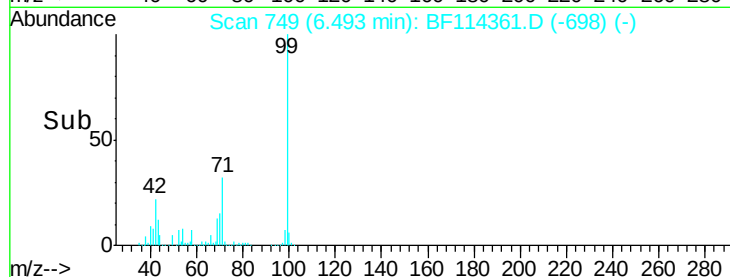
71 32.4 26.2 39.2



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: 12.612 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

Tgt Ion: 70 Resp: 129615

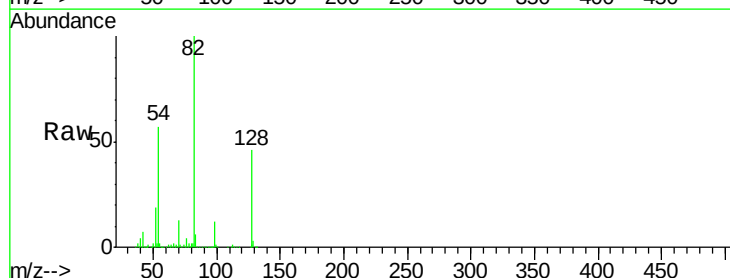
Ion Ratio Lower Upper

70 100

42 55.1 58.6 87.8#

101 0.0 7.8 11.8#

130 2.2 17.1 25.7#

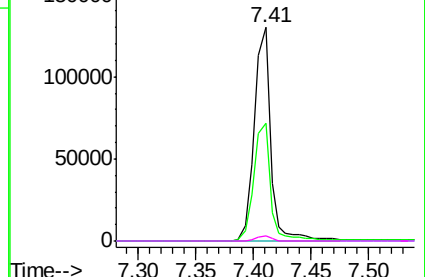
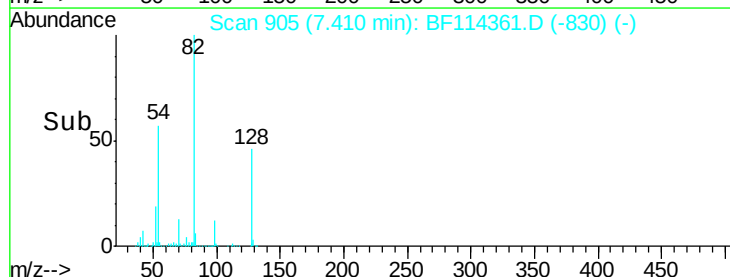


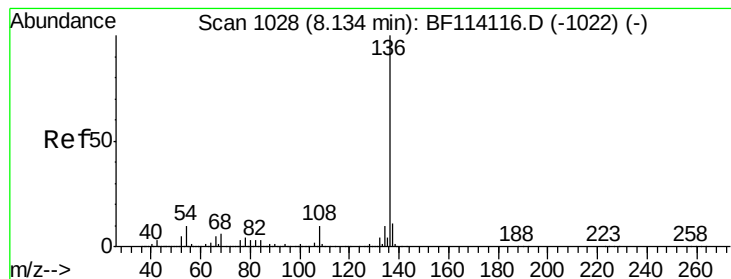
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF114361.D

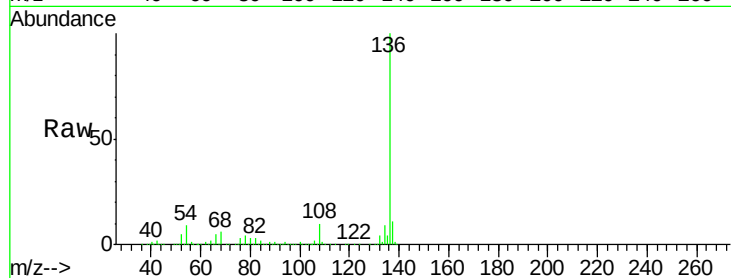
Acq: 17 May 2019 20:18

Instrument :

BNA_F

ClientSampled :

Tot Ion:136	Resp:	868027
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.8 13.2
54	9.5	7.8 11.8
68	6.3	5.1 7.7

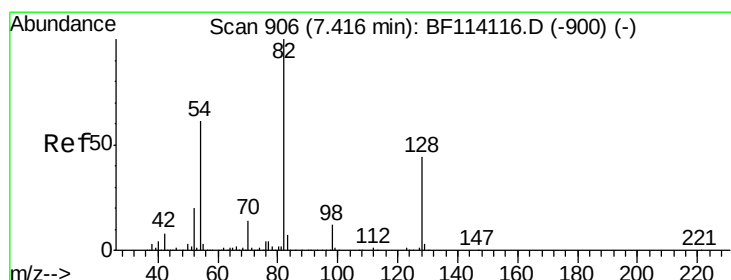
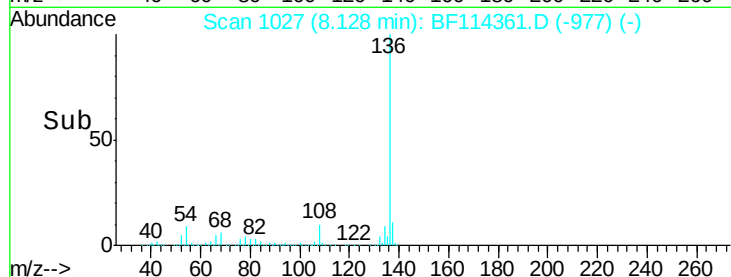
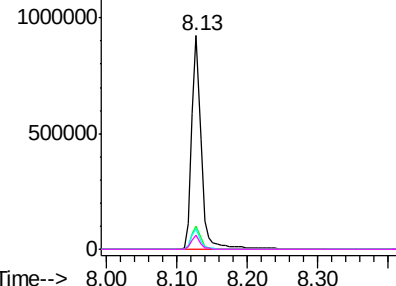


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.909 ng

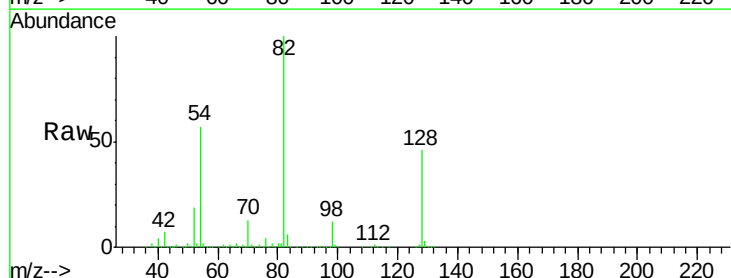
RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

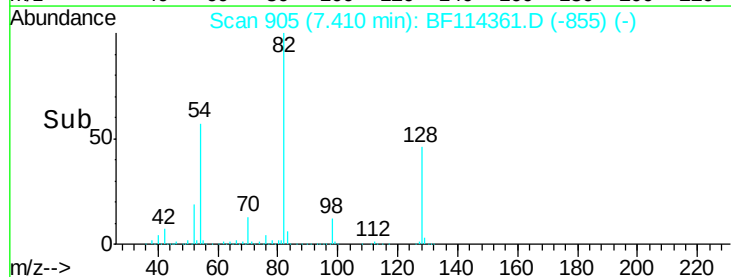
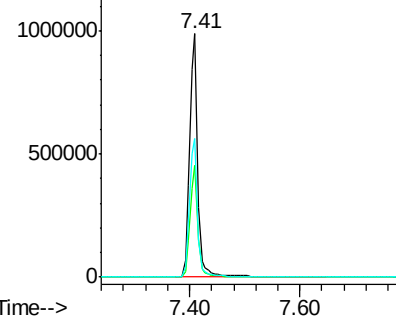
Tgt Ion: 82	Resp:	1003972
Ion Ratio	Lower	Upper
82	100	
128	45.7	35.5 53.3
54	57.2	48.5 72.7

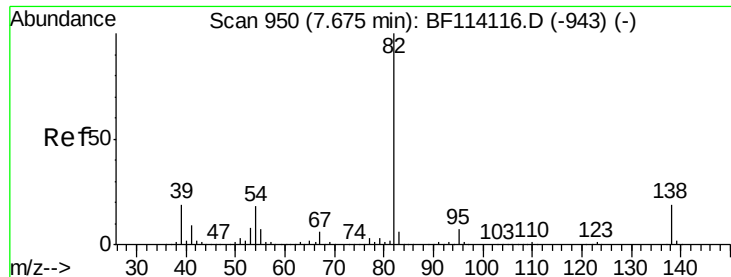


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.999 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

Instrument :

BNA_F

ClientSampleId :

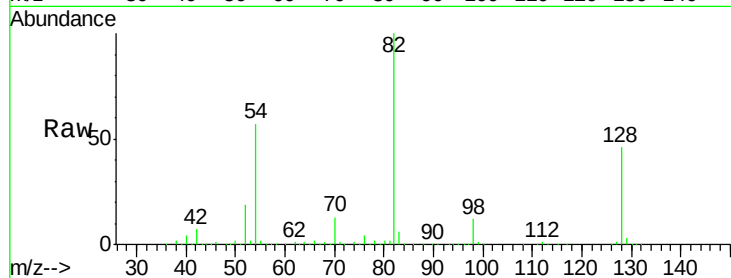
Tot Ion: 82 Resp: 1003966

Ion Ratio Lower Upper

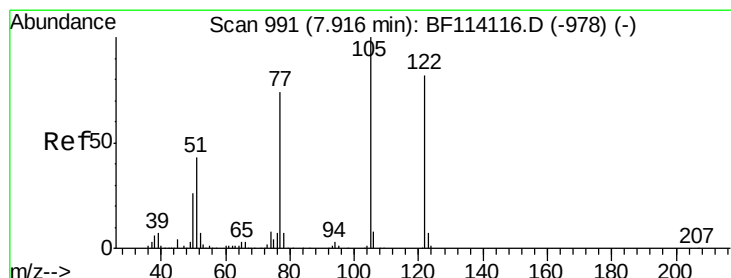
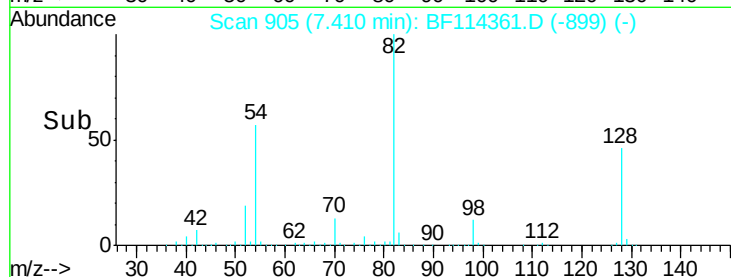
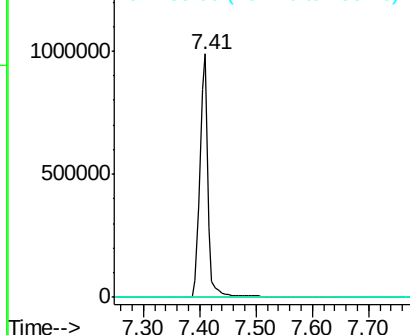
82 100

95 0.1 5.6 8.4#

138 0.0 14.8 22.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 7.090 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.03 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

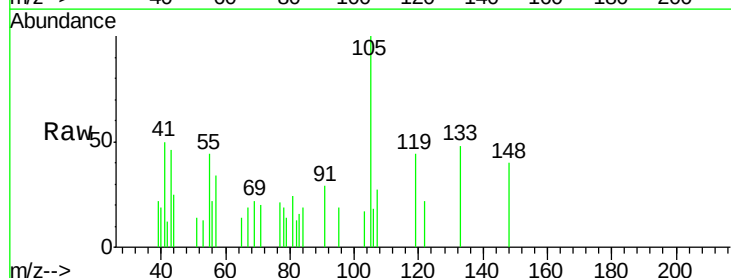
Tgt Ion: 122 Resp: 699

Ion Ratio Lower Upper

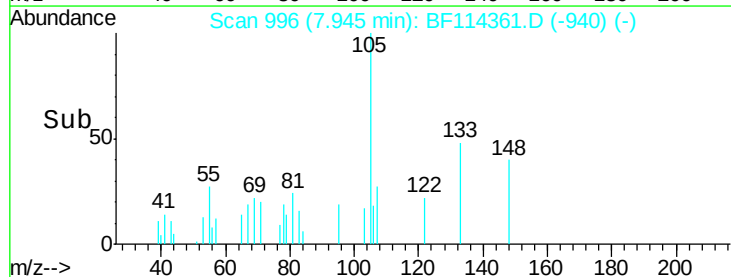
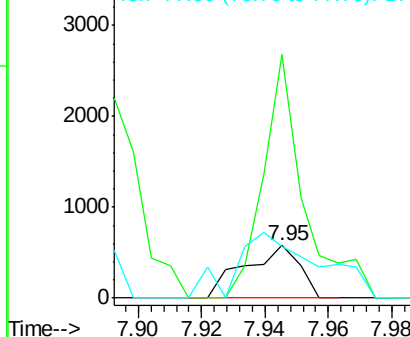
122 100

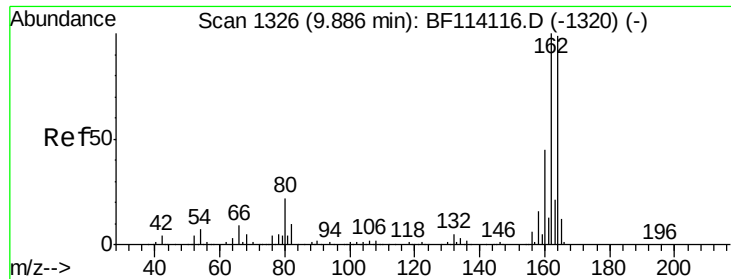
105 462.2 99.9 139.9#

77 96.9 69.4 109.4



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

Instrument :

BNA_F

ClientSampleId :

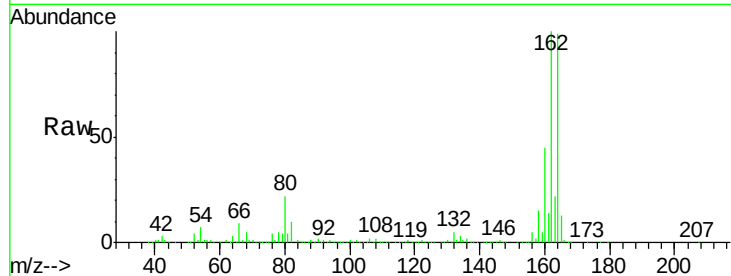
Tot Ion:164 Resp: 418301

Ion Ratio Lower Upper

164 100

162 100.6 80.6 120.8

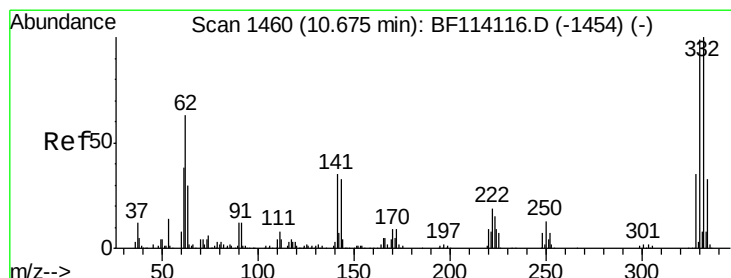
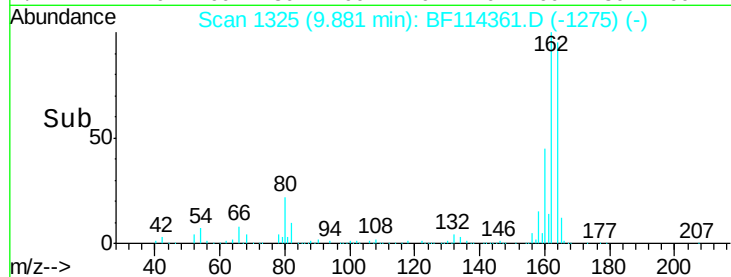
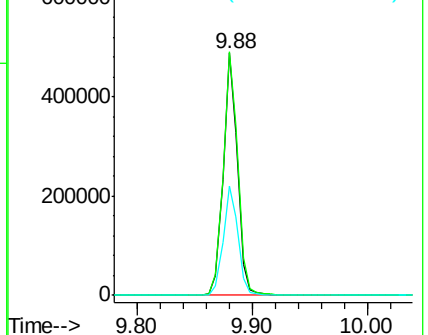
160 45.1 36.5 54.7



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: 88.936 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

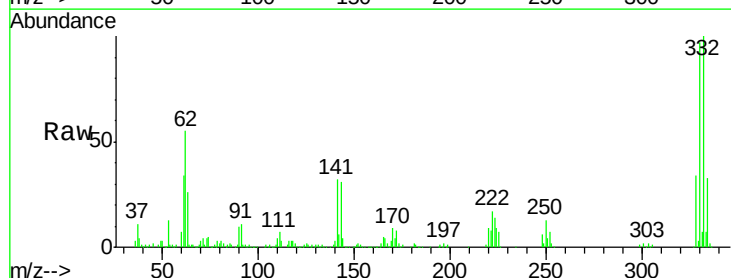
Tgt Ion:330 Resp: 384607

Ion Ratio Lower Upper

330 100

332 104.0 81.4 122.2

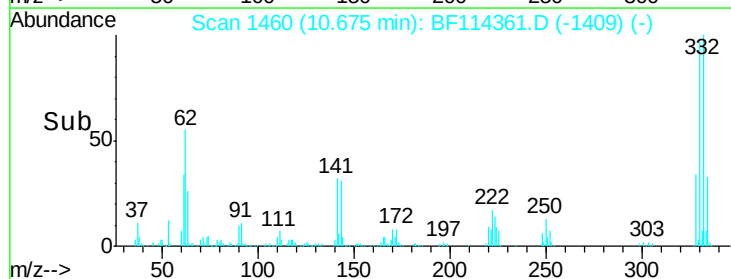
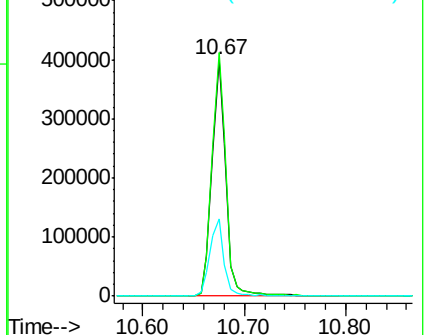
141 33.1 26.6 40.0

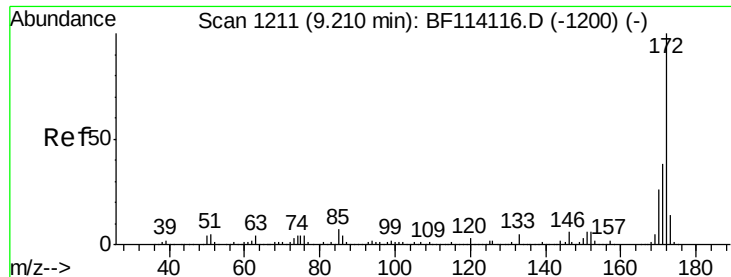


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

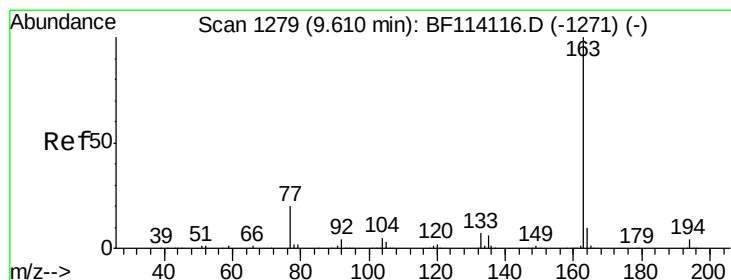
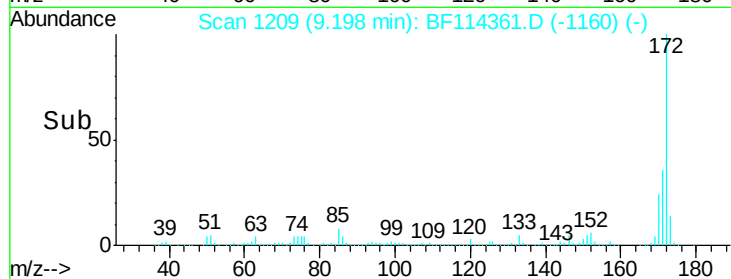
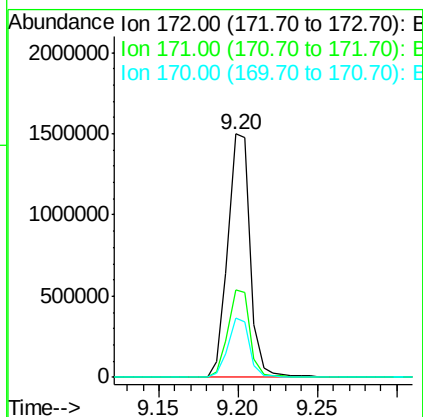
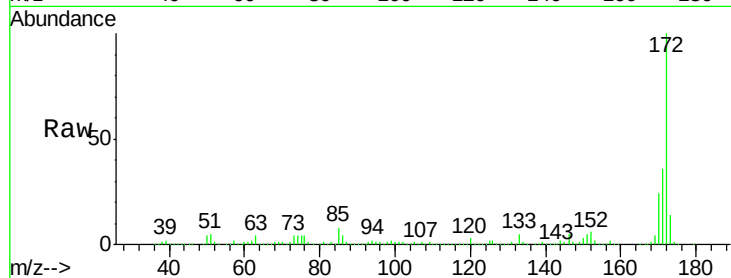




#45
2-Fluorobiphenyl
Concen: 53.670 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

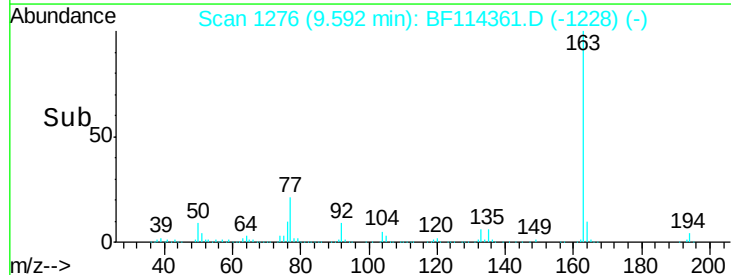
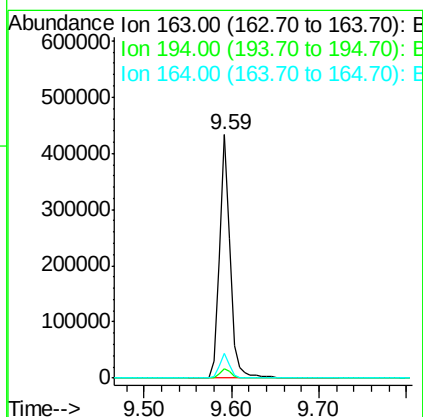
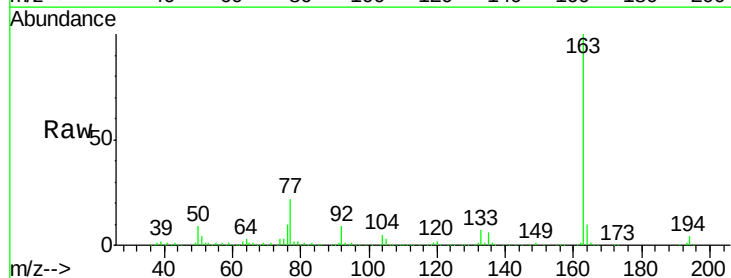
Instrument :
BNA_F
ClientSampleId :

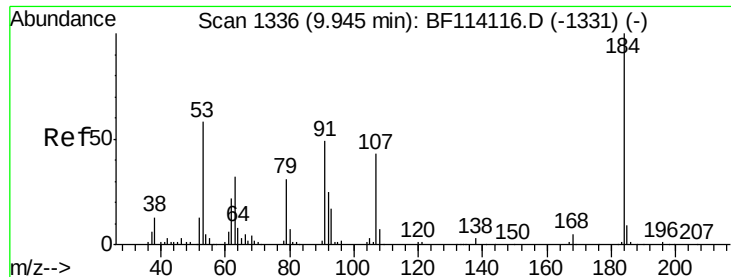
Tot Ion:172 Resp: 1484150
Ion Ratio Lower Upper
172 100
171 36.2 30.7 46.1
170 24.1 20.5 30.7



#50
Dimethylphthalate
Concen: 11.981 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Tgt Ion:163 Resp: 367915
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.0
164 10.1 8.2 12.2

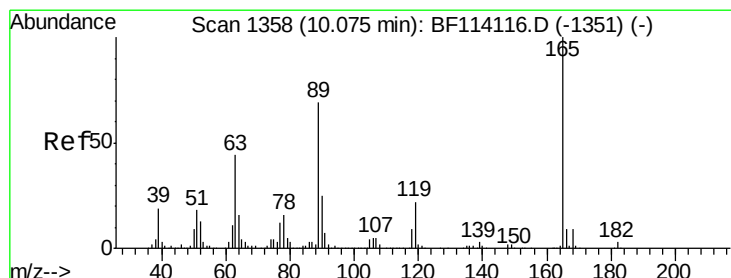
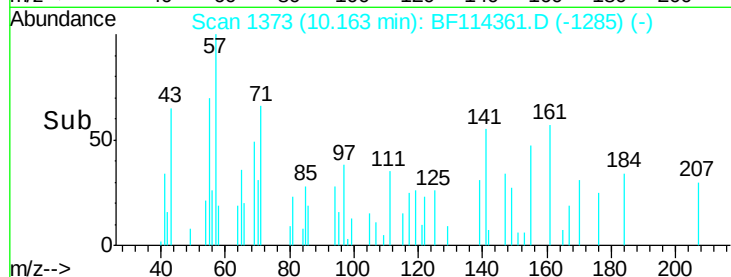
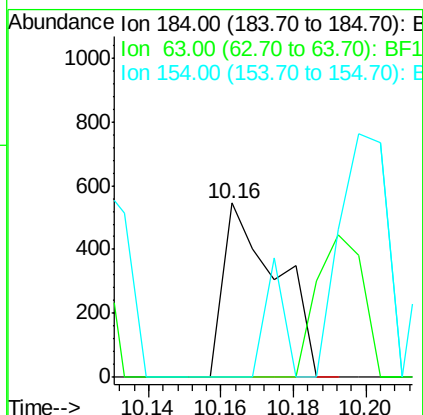
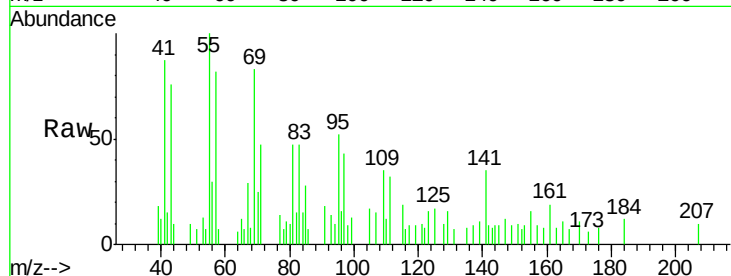




#54
2,4-Dinitrophenol
Concen: 6.897 ng
RT: 10.16 min Scan# 1373
Delta R.T. 0.22 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

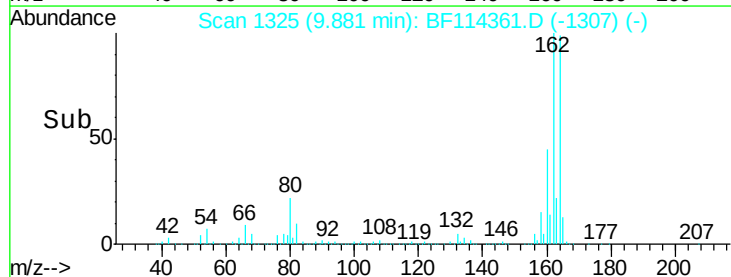
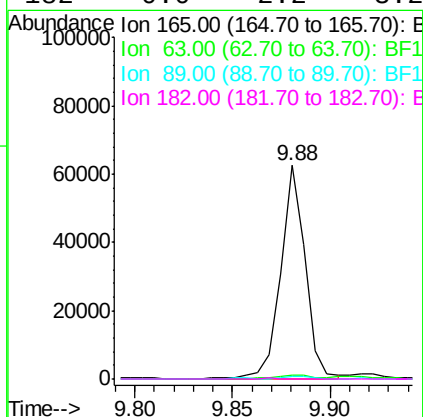
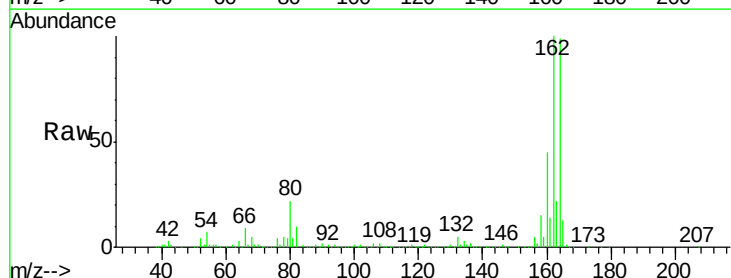
Instrument :
BNA_F
ClientSampled :

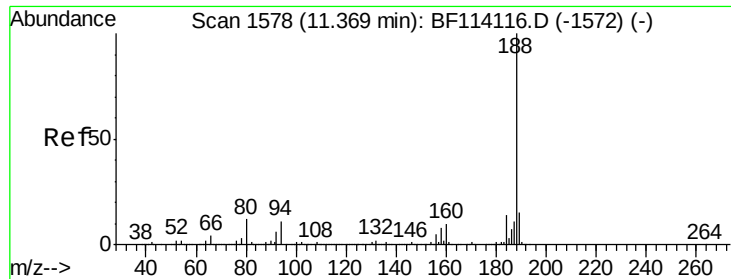
Tot Ion:184 Resp: 566
Ion Ratio Lower Upper
184 100
63 0.0 55.6 83.4#
154 0.0 46.0 69.0#



#57
2,4-Dinitrotoluene
Concen: 5.908 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Tgt Ion:165 Resp: 54611
Ion Ratio Lower Upper
165 100
63 1.5 35.5 53.3#
89 1.1 55.2 82.8#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.00 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

Instrument :

BNA_F

ClientSampleId :

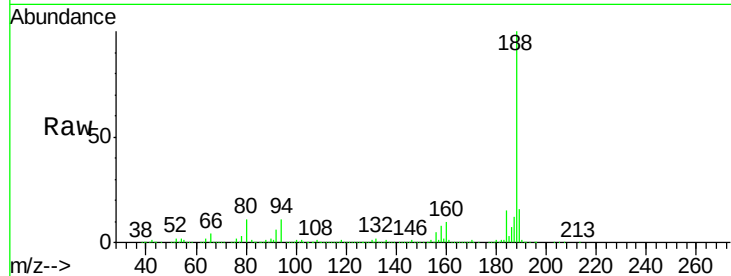
Tot Ion:188 Resp: 818384

Ion Ratio Lower Upper

188 100

94 10.6 8.4 12.6

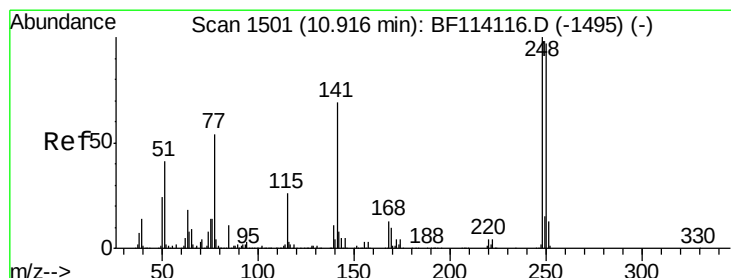
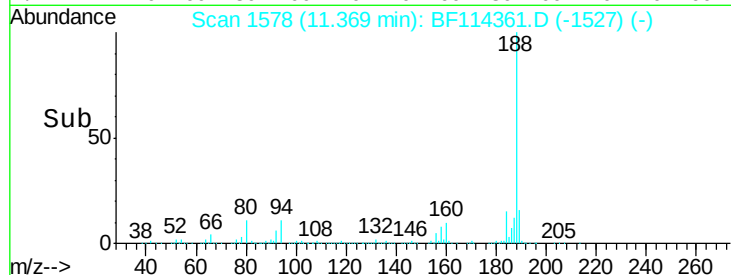
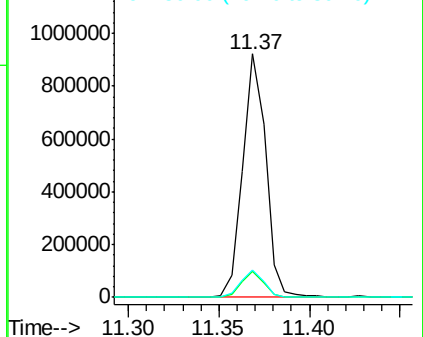
80 11.0 9.2 13.8



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



#67

4-Bromophenyl-phenylether

Concen: 2.752 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.24 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

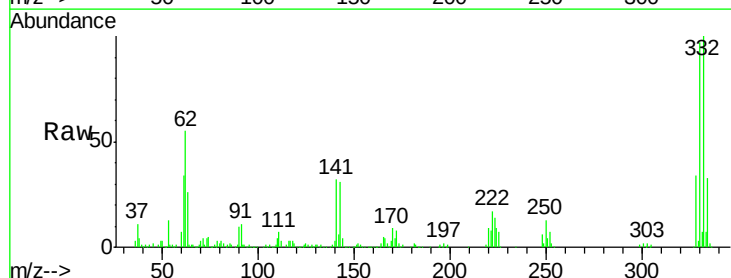
Tgt Ion:248 Resp: 24800

Ion Ratio Lower Upper

248 100

250 207.1 77.4 116.2#

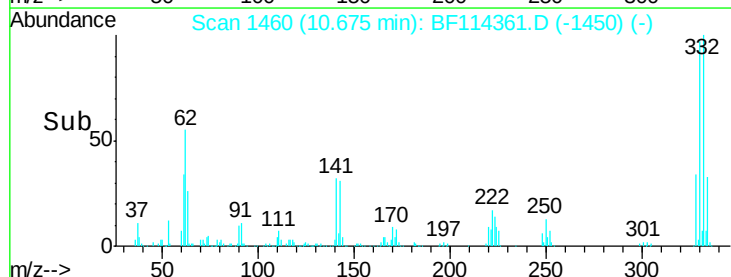
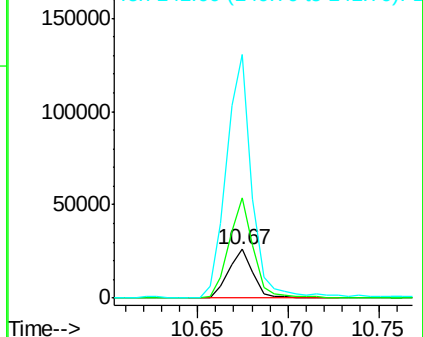
141 501.2 55.6 83.4#

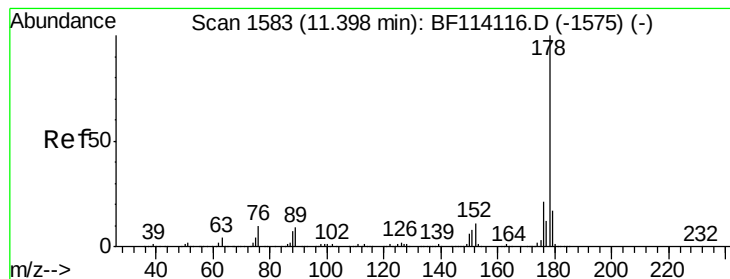


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 4.761 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

Instrument :

BNA_F

ClientSampleId :

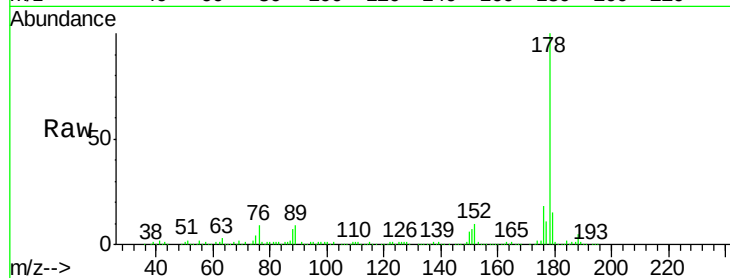
Tot Ion:178 Resp: 189581

Ion Ratio Lower Upper

178 100

176 18.3 16.4 24.6

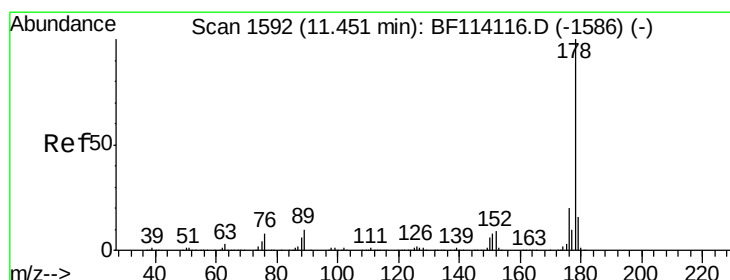
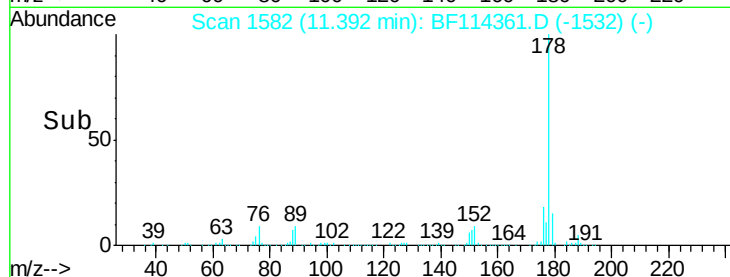
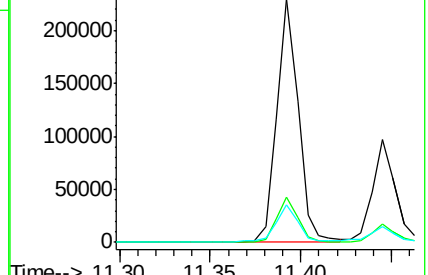
179 15.3 13.2 19.8



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: 2.206 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

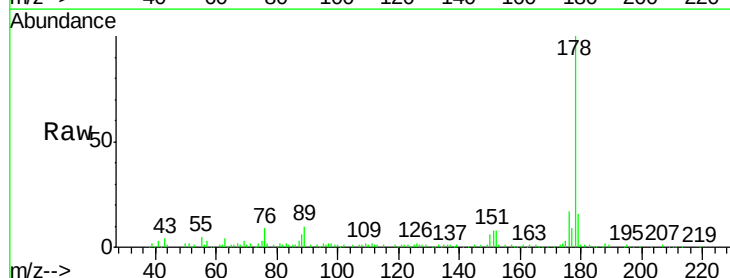
Tgt Ion:178 Resp: 88213

Ion Ratio Lower Upper

178 100

176 17.5 15.8 23.8

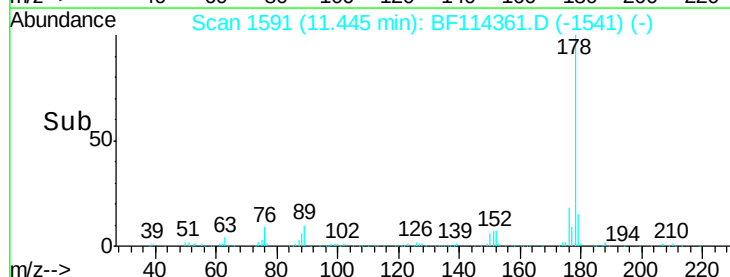
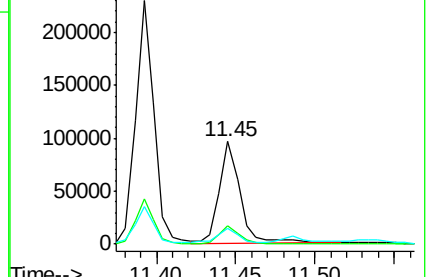
179 15.6 13.0 19.4

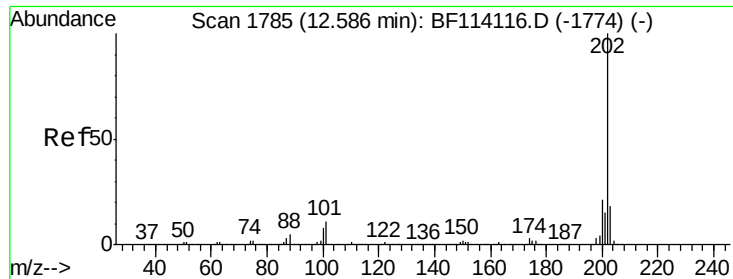


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 13.694 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

Instrument :

BNA_F

ClientSampleId :

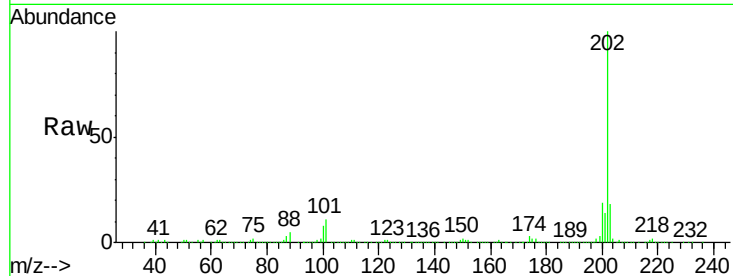
Tot Ion:202 Resp: 587148

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.0

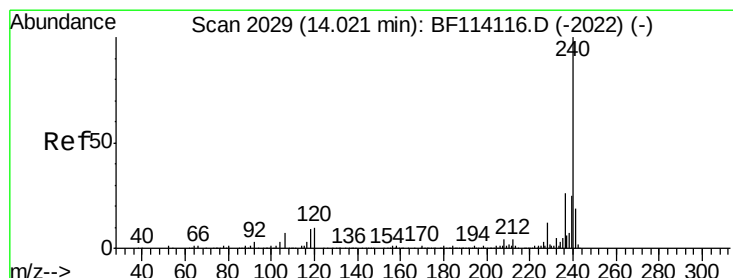
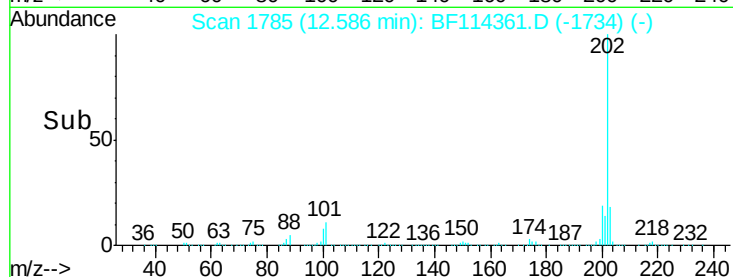
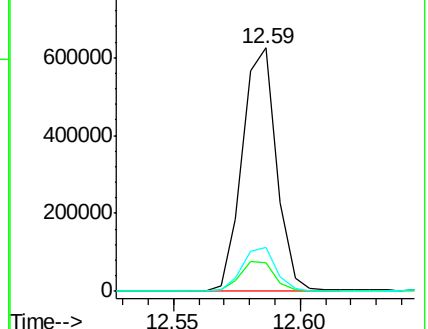
203 17.9 0.0 38.4



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: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

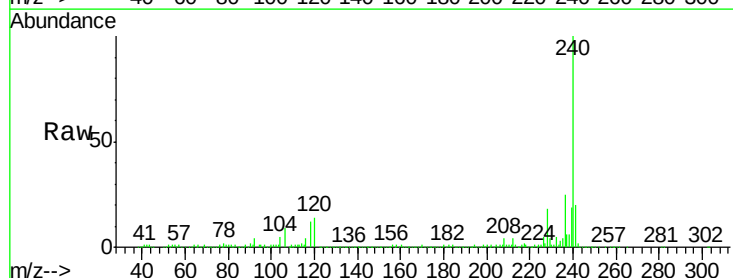
Tgt Ion:240 Resp: 554713

Ion Ratio Lower Upper

240 100

120 13.5 8.3 12.5#

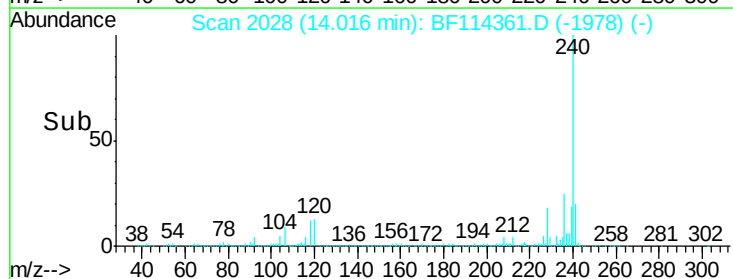
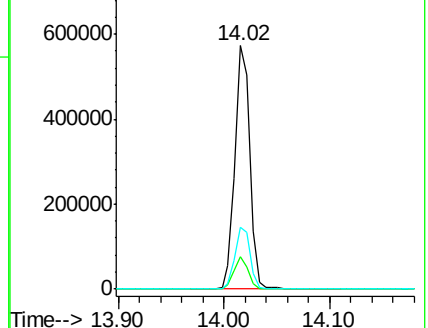
236 25.2 20.8 31.2

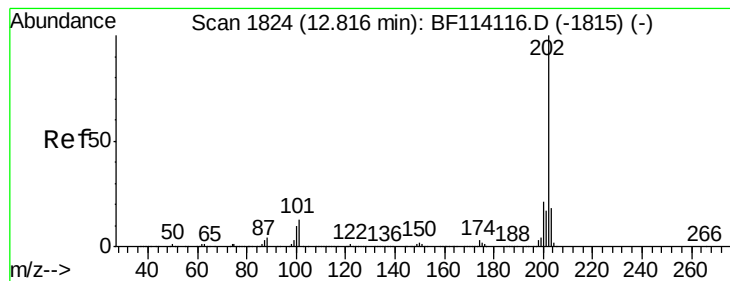


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 12.112 ng

RT: 12.82 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BF114361.D

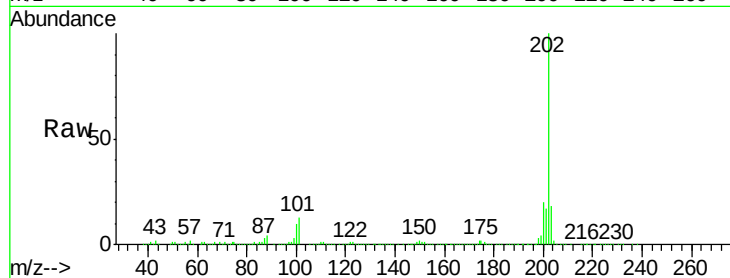
Acq: 17 May 2019 20:18

Instrument :

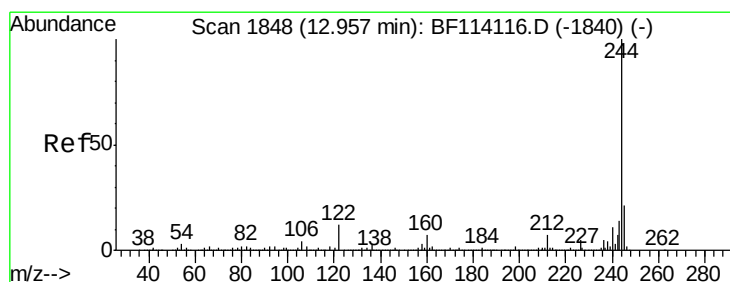
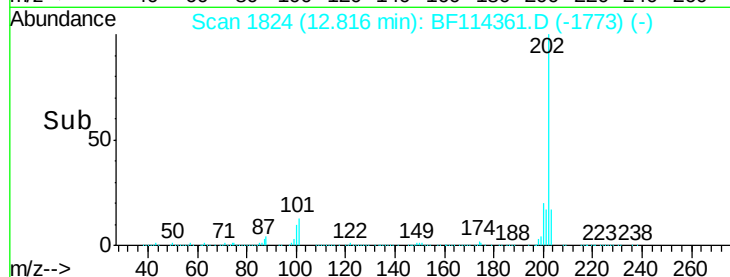
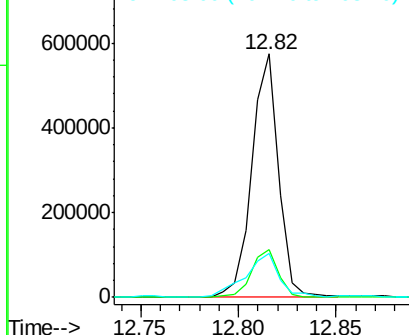
BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	540507
Ion	Ratio	Lower	Upper
202	100		
200	19.6	16.9	25.3
203	17.8	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: 50.088 ng

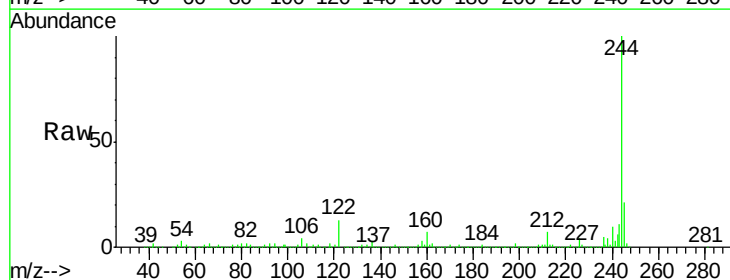
RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

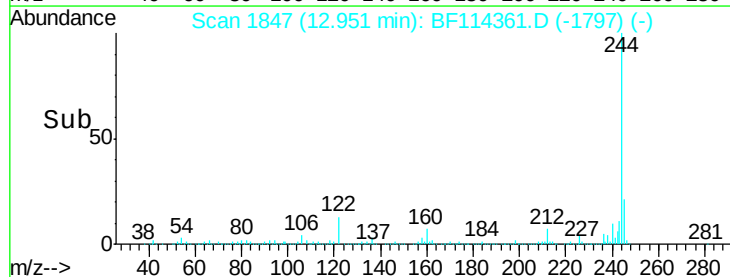
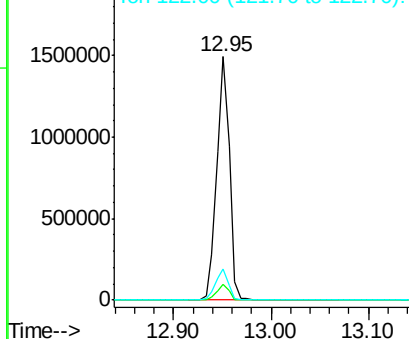
Lab File: BF114361.D

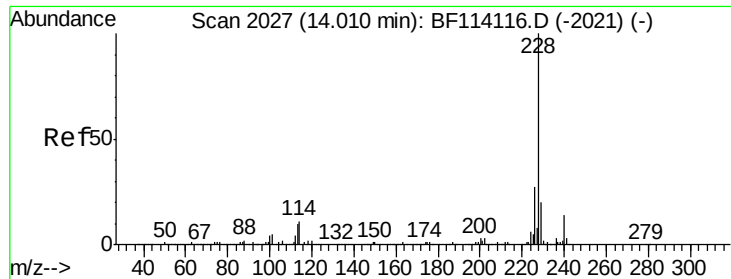
Acq: 17 May 2019 20:18

Tgt Ion:	244	Resp:	1347831
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	12.8	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: 8.375 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

Instrument :

BNA_F

ClientSampleId :

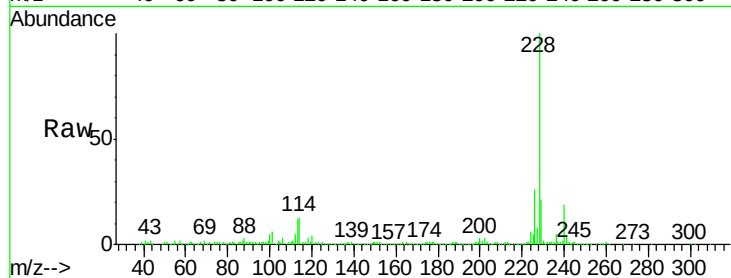
Tot Ion:228 Resp: 300498

Ion Ratio Lower Upper

228 100

226 26.4 22.2 33.2

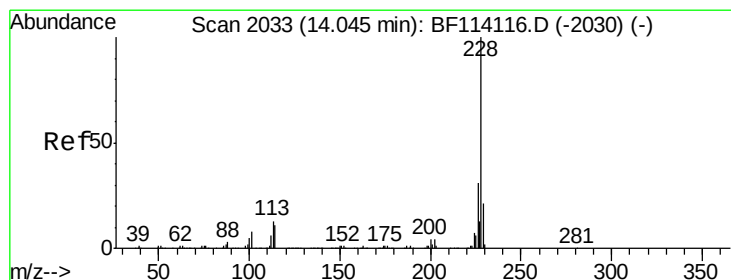
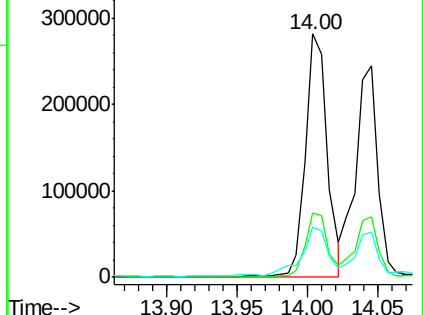
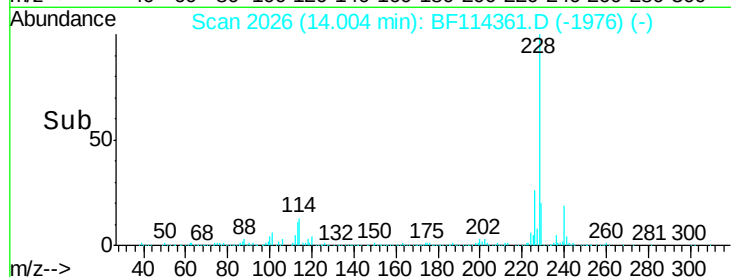
229 20.9 16.4 24.6



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: 7.655 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

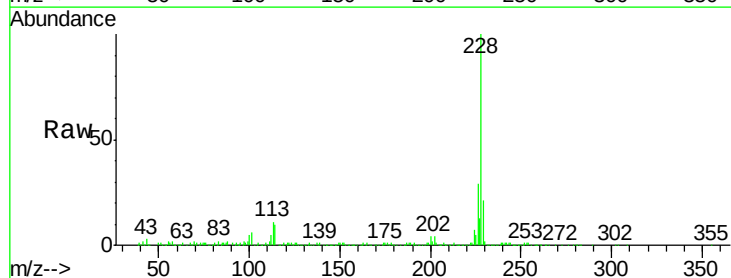
Tgt Ion:228 Resp: 269251

Ion Ratio Lower Upper

228 100

226 28.7 25.0 37.6

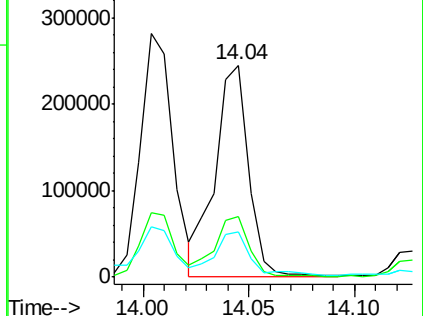
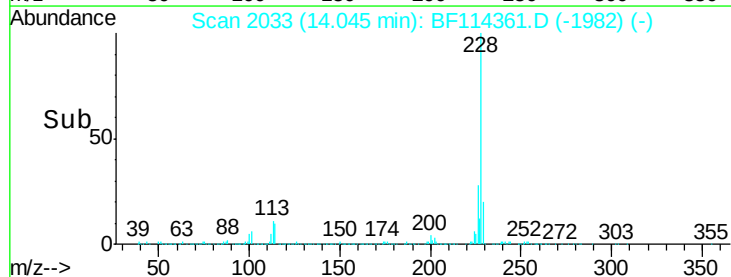
229 21.1 17.0 25.6

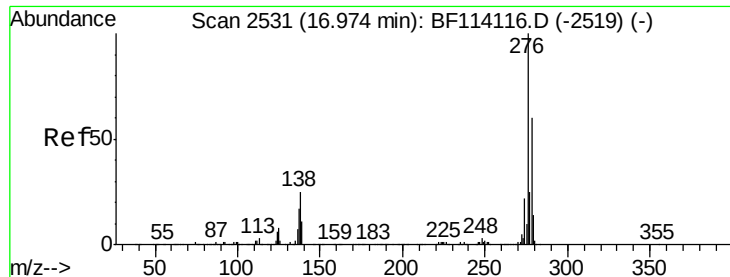


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.540 ng

RT: 16.99 min Scan# 2534

Delta R.T. 0.02 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

Instrument :

BNA_F

ClientSampleId :

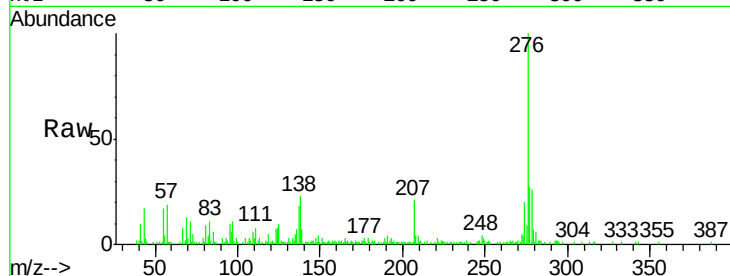
Tot Ion:276 Resp: 78952

Ion Ratio Lower Upper

276 100

138 24.1 20.2 30.2

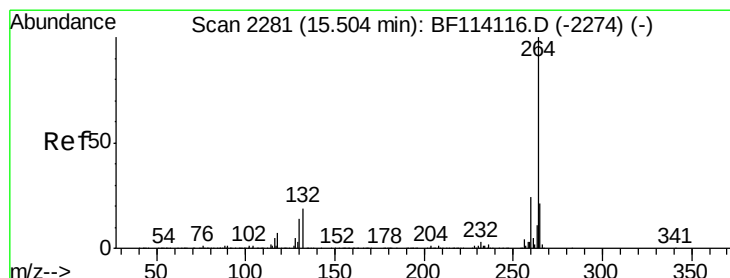
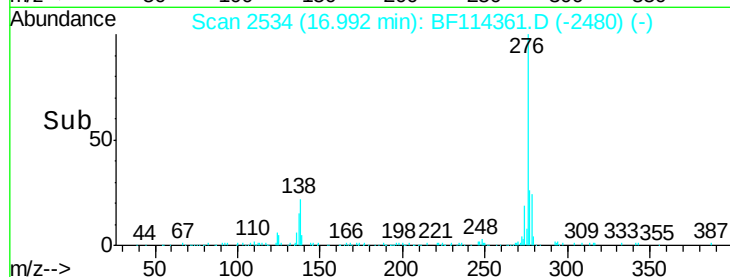
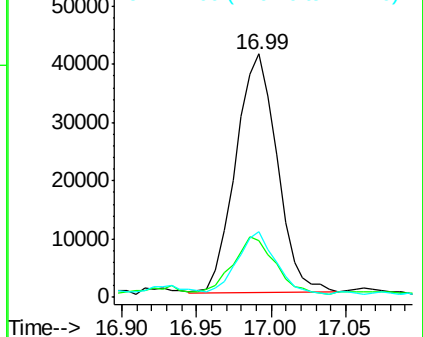
277 24.0 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.01 min

Lab File: BF114361.D

Acq: 17 May 2019 20:18

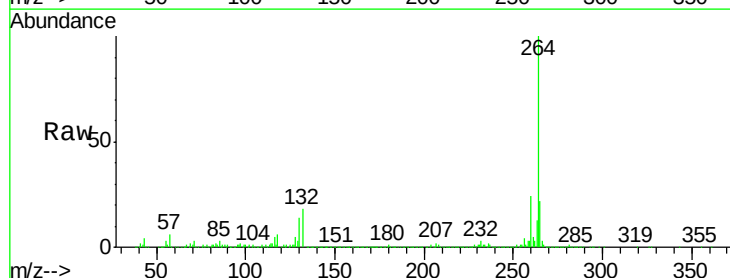
Tgt Ion:264 Resp: 519278

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.0

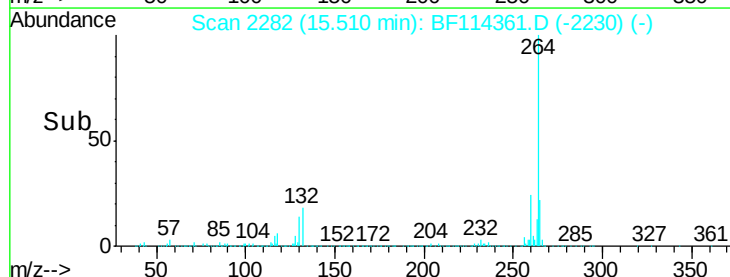
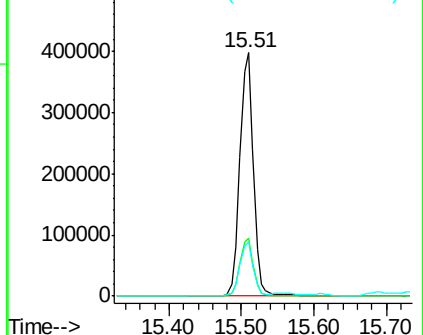
265 22.0 16.9 25.3

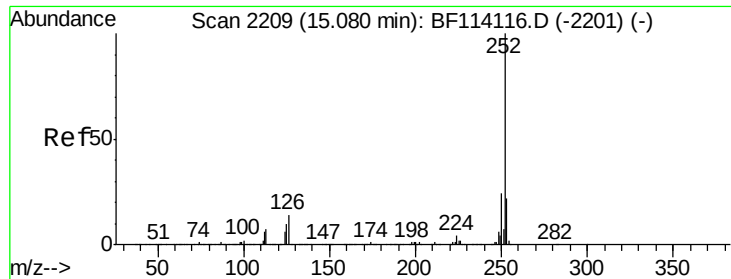


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

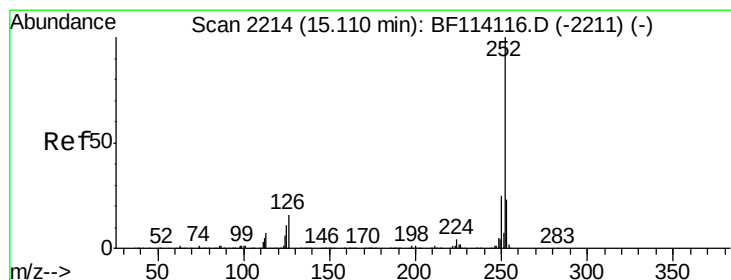
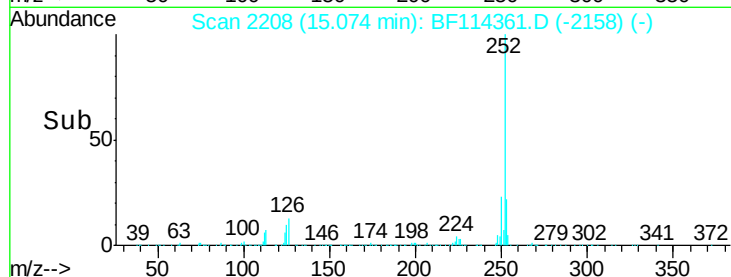
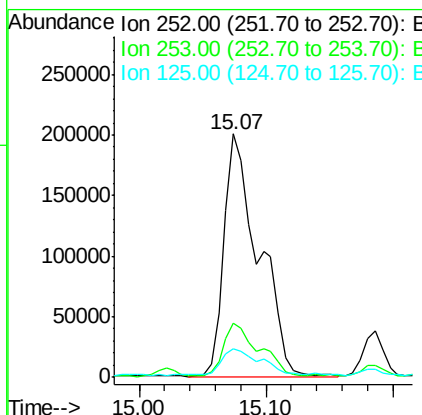
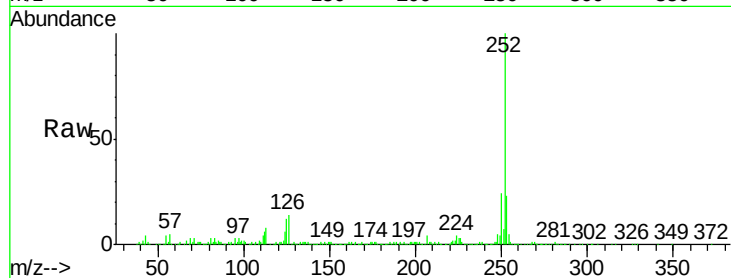




#88
Benzo(b)fluoranthene
Concen: 11.472 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

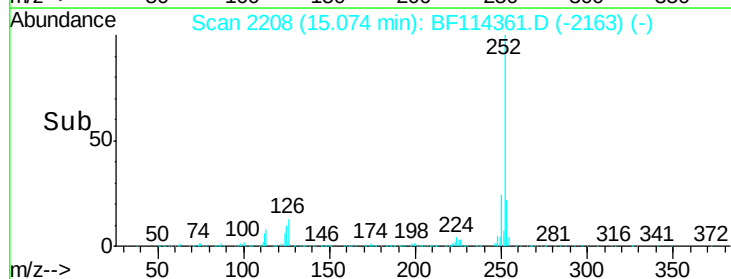
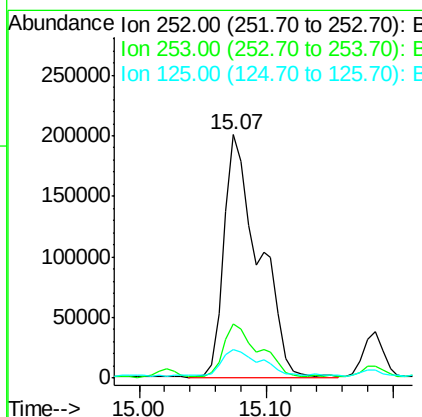
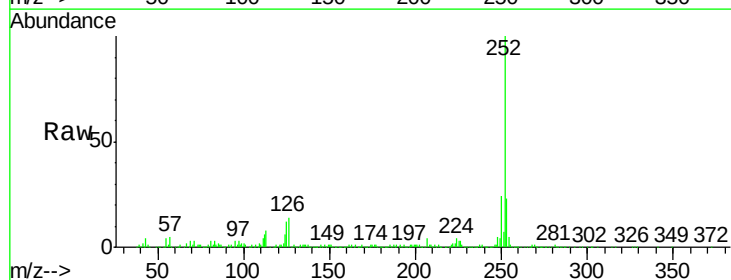
Instrument :
BNA_F
ClientSampled :

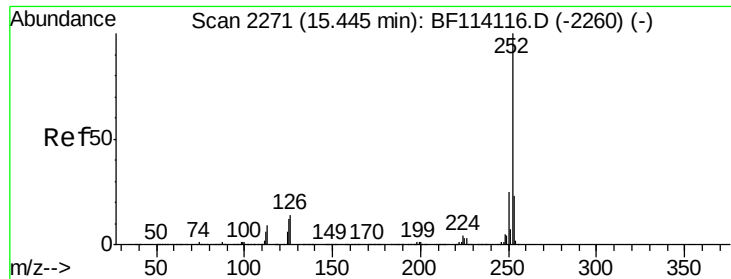
Tot Ion:252 Resp: 381639
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 11.5 8.3 12.5



#89
Benzo(k)fluoranthene
Concen: 12.488 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Tgt Ion:252 Resp: 381639
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 11.5 8.6 13.0

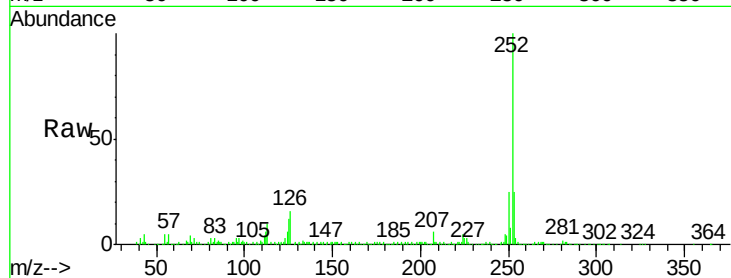




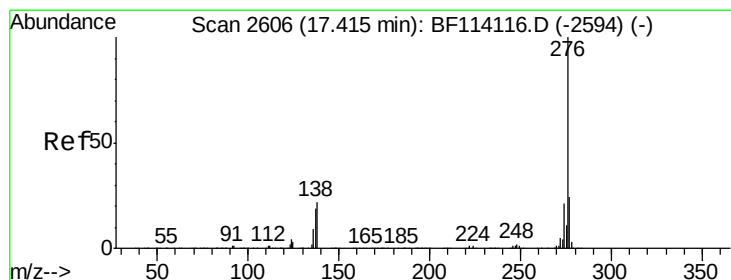
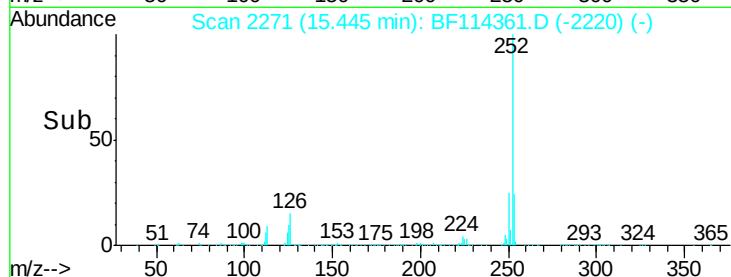
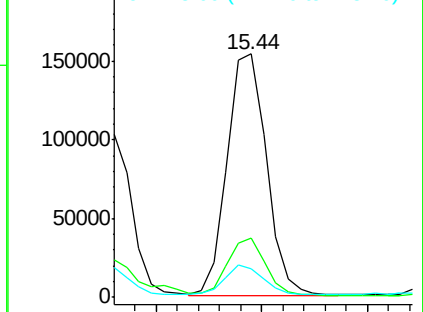
#90
Benzo(a)pyrene
Concen: 6.818 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.1	27.1
125	11.7	9.5	14.3

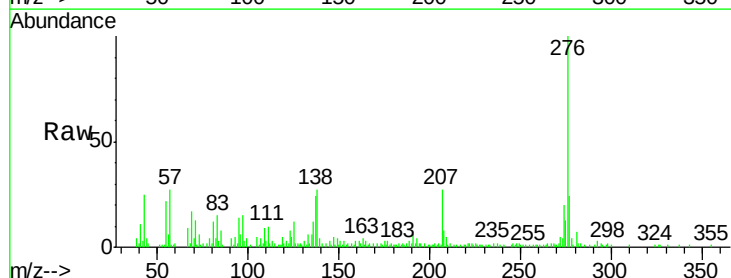


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.901 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.02 min
Lab File: BF114361.D
Acq: 17 May 2019 20:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	26.6	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

