

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
 Data File : BF114552.D
 Acq On : 24 May 2019 4:12
 Operator : JU/SJ
 Sample : K3008-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 24 07:22:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 23 03:49:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	158535	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	642003	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	314586	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	593591	20.00	ng	-0.02
76) Chrysene-d12	13.98	240	358620	20.00	ng	-0.02
87) Perylene-d12	15.44	264	333389	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	409678	41.59	ng	-0.03
7) Phenol-d6	6.46	99	595846	51.14	ng	-0.03
23) Nitrobenzene-d5	7.37	82	359088	31.39	ng	-0.03
42) 2,4,6-Tribromophenol	10.64	330	109994	33.82	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	706255	33.96	ng	-0.02
79) Terphenyl-d14	12.92	244	625589	35.96	ng	-0.02

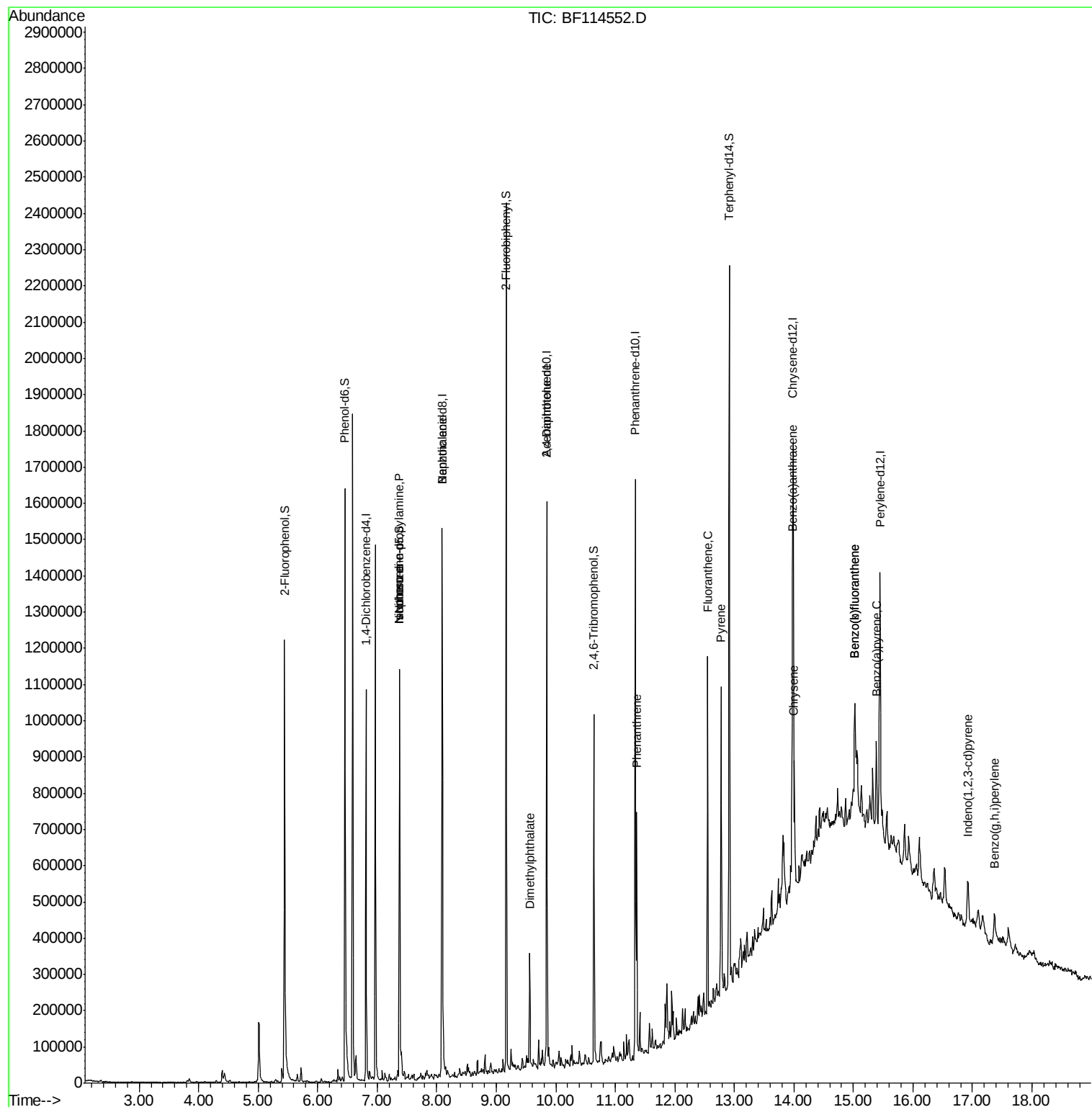
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	48913	6.623	ng	# 73
25) Isophorone	7.37	82	359085	16.925	ng	# 65
32) Benzoic acid	8.09	122	269	7.057	ng	# 1
50) Dimethylphthalate	9.56	163	104952	4.545	ng	98
57) 2,4-Dinitrotoluene	9.85	165	40160	5.777	ng	# 26
71) Phenanthrene	11.36	178	263087	9.110	ng	97
75) Fluoranthene	12.55	202	375094	12.061	ng	100
78) Pyrene	12.78	202	327396	11.349	ng	99
81) Benzo(a)anthracene	13.97	228	155860	6.719	ng	99
83) Chrysene	14.01	228	146971	6.464	ng	96
86) Indeno(1,2,3-cd)pyrene	16.92	276	63926	3.181	ng	# 94
88) Benzo(b)fluoranthene	15.02	252	233510	10.933	ng	# 90
89) Benzo(k)fluoranthene	15.02	252	233510	11.902	ng	# 91
90) Benzo(a)pyrene	15.39	252	120464	6.409	ng	# 94
92) Benzo(a,h,i)perylene	17.37	276	60061	3.837	ng	97

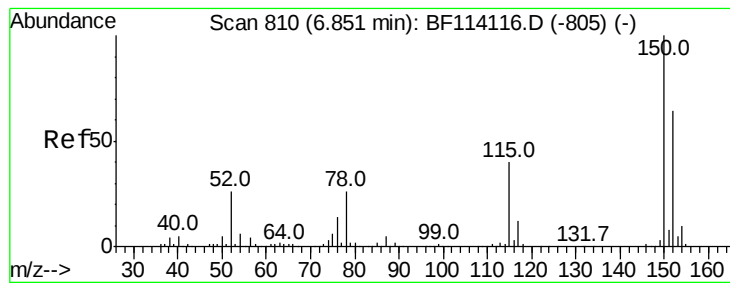
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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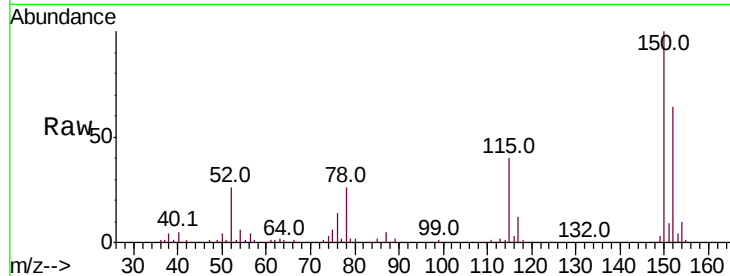


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.03 min
 Lab File: BF114552.D
 Acq: 24 May 2019 4:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.3	186.5
115	61.7	49.1	73.7

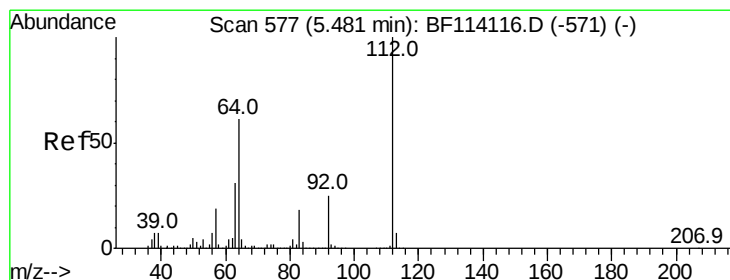
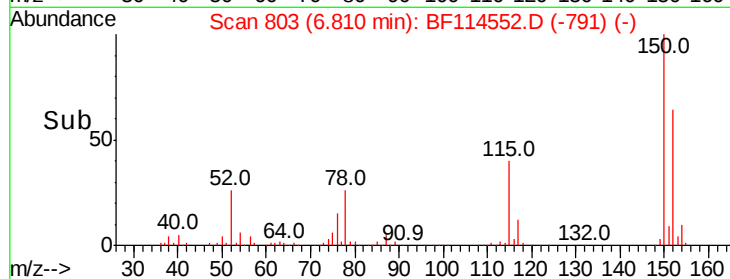
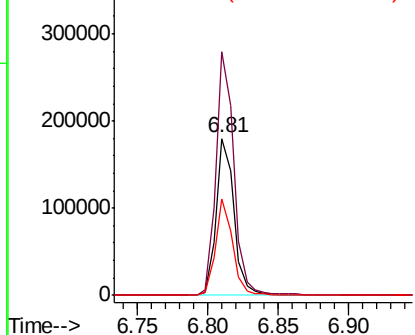


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

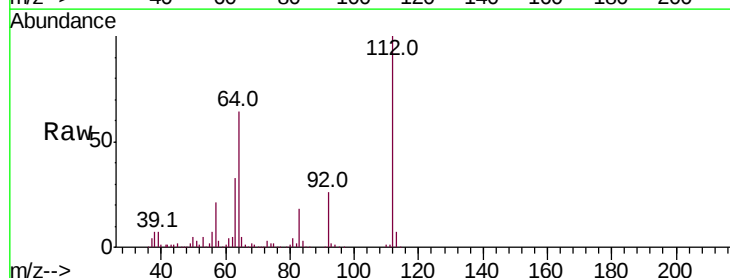
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 41.586 ng
 RT: 5.44 min Scan# 570
 Delta R.T. -0.03 min
 Lab File: BF114552.D
 Acq: 24 May 2019 4:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	49.0	73.6
63	33.1	24.6	37.0

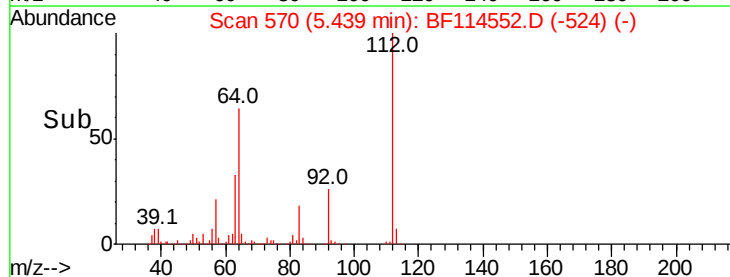
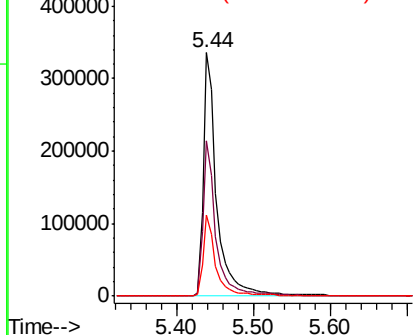


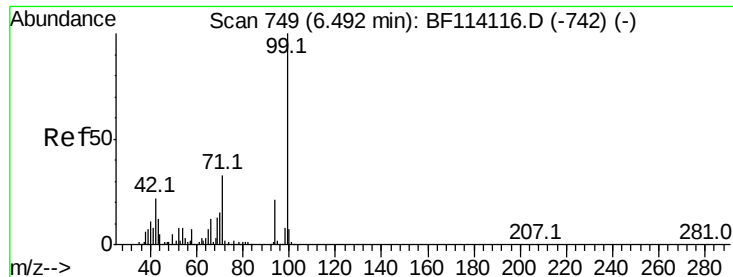
Abundance

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: 51.139 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF114552.D

Acq: 24 May 2019 4:12

Instrument :

BNA_F

ClientSampleId :

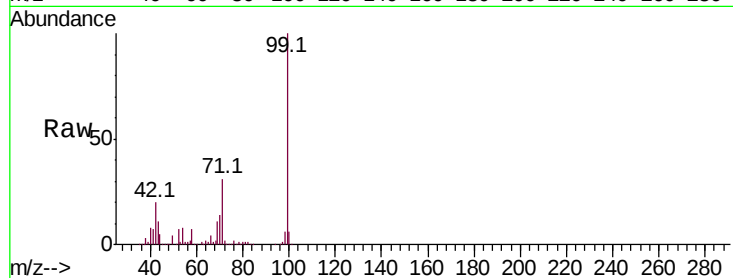
Tot Ion: 99 Resp: 595846

Ion Ratio Lower Upper

99 100

42 20.4 17.9 26.9

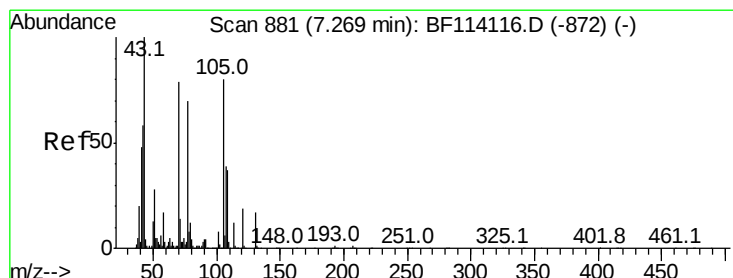
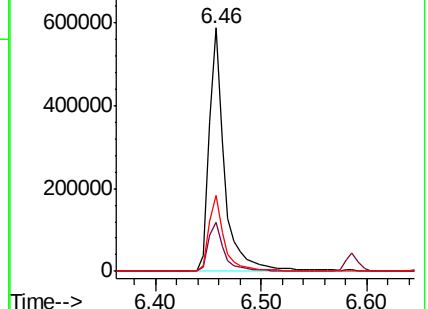
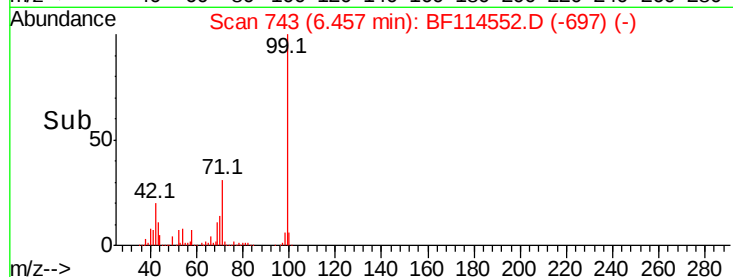
71 31.1 26.2 39.2



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: 6.623 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.12 min

Lab File: BF114552.D

Acq: 24 May 2019 4:12

Tgt Ion: 70 Resp: 48913

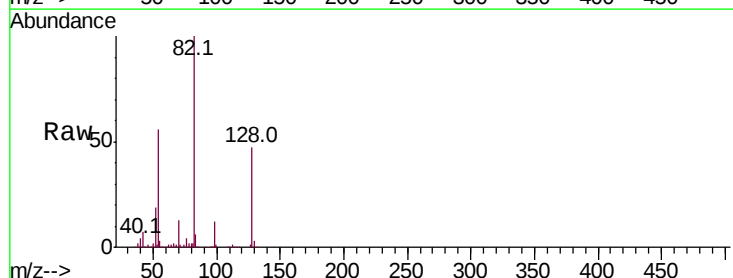
Ion Ratio Lower Upper

70 100

42 54.1 58.6 87.8#

101 0.0 7.8 11.8#

130 2.4 17.1 25.7#

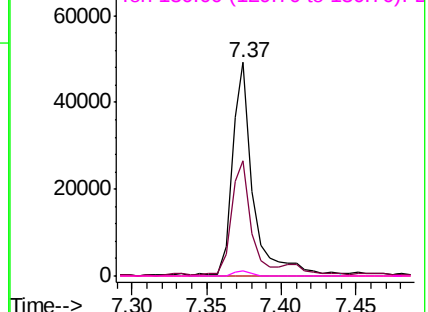
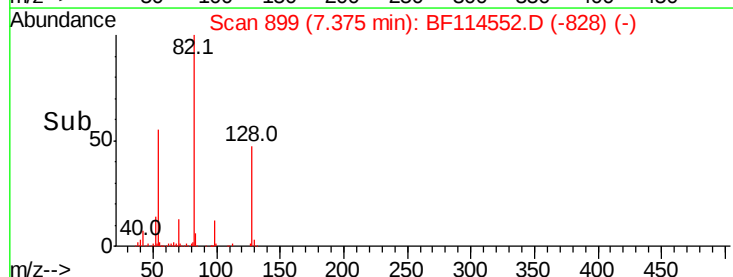


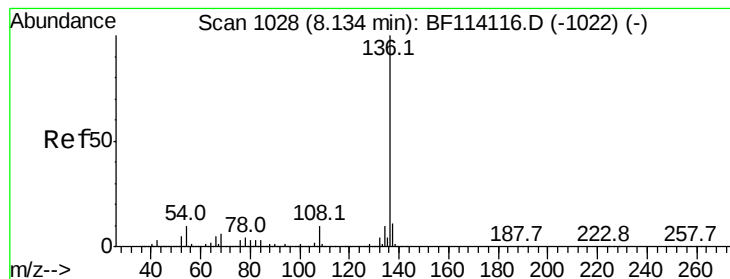
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1021

Delta R.T. -0.03 min

Lab File: BF114552.D

Acq: 24 May 2019 4:12

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 642003

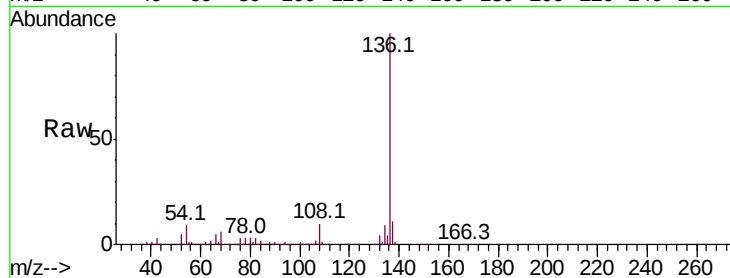
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 9.2 7.8 11.8

68 5.9 5.1 7.7

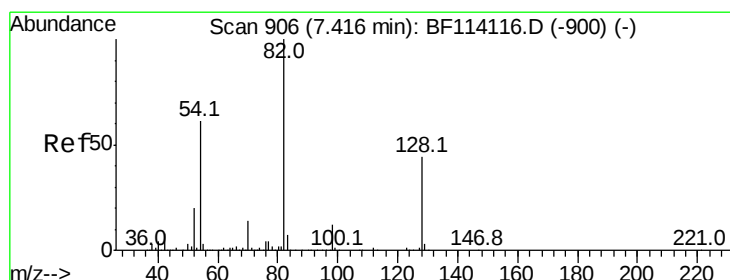
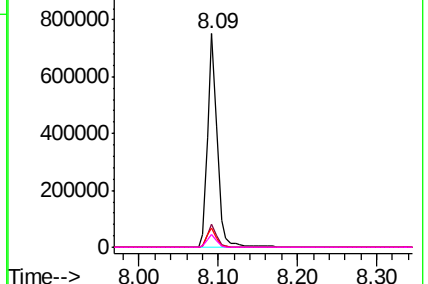
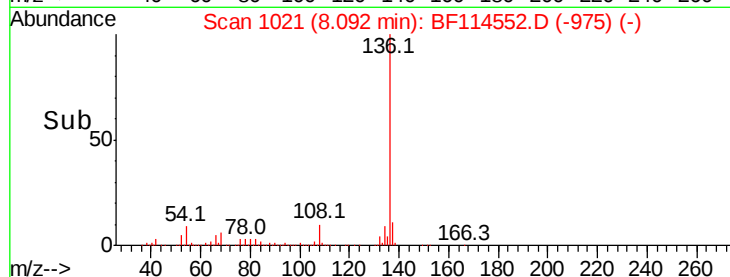


Abundance Ion 136.00 (135.70 to 136.70): E

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: 31.389 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.03 min

Lab File: BF114552.D

Acq: 24 May 2019 4:12

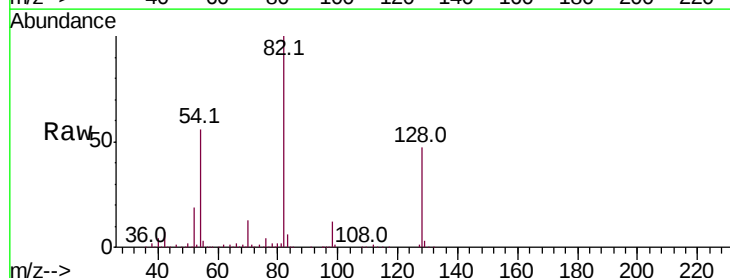
Tgt Ion: 82 Resp: 359088

Ion Ratio Lower Upper

82 100

128 46.8 35.5 53.3

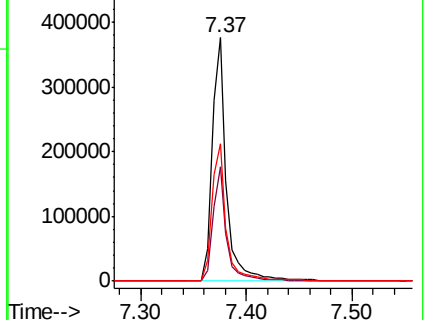
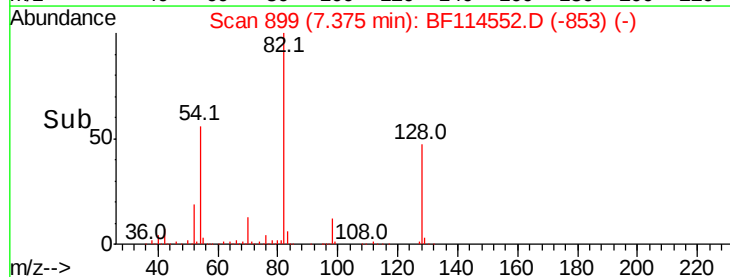
54 56.4 48.5 72.7

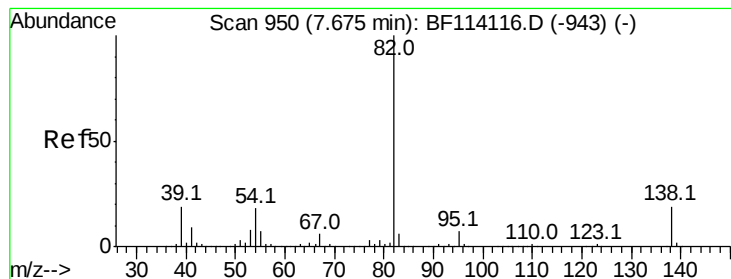


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.925 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.29 min

Lab File: BF114552.D

Acq: 24 May 2019 4:12

Instrument :

BNA_F

ClientSampleId :

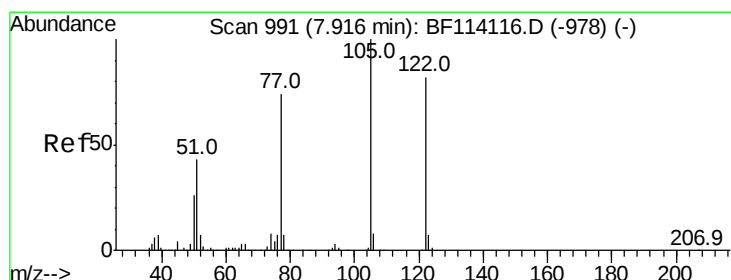
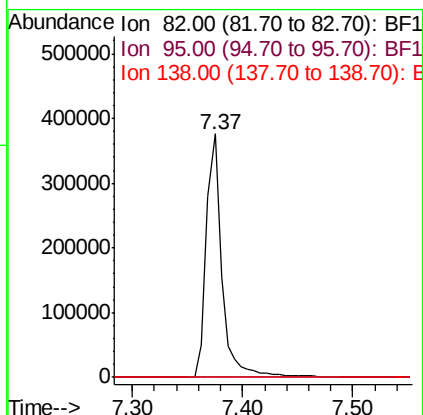
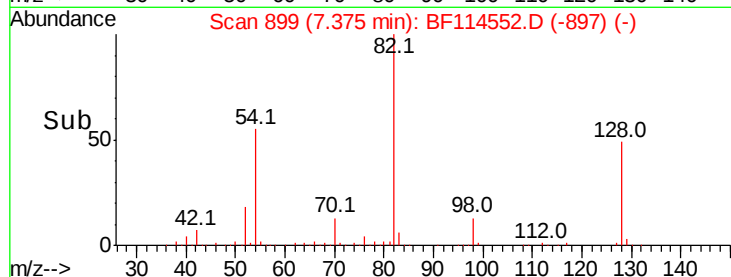
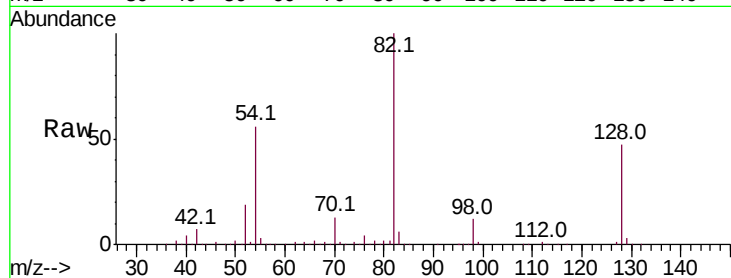
Tot Ion: 82 Resp: 359085

Ion Ratio Lower Upper

82 100

95 0.2 5.6 8.4#

138 0.0 14.8 22.2#



#32

Benzoic acid

Concen: 7.057 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.16 min

Lab File: BF114552.D

Acq: 24 May 2019 4:12

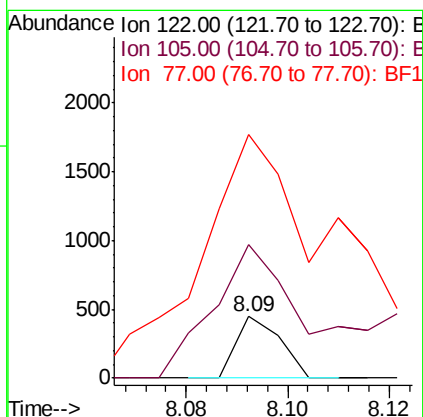
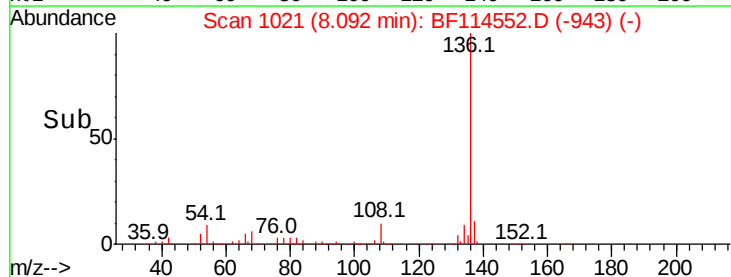
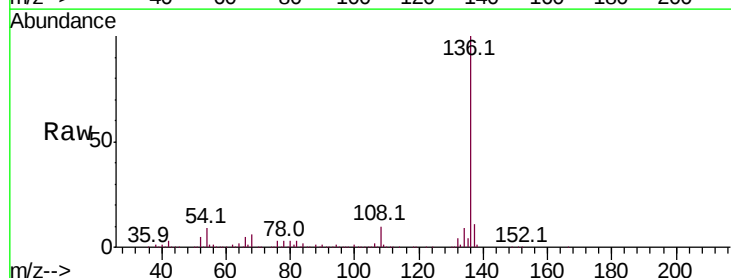
Tgt Ion: 122 Resp: 269

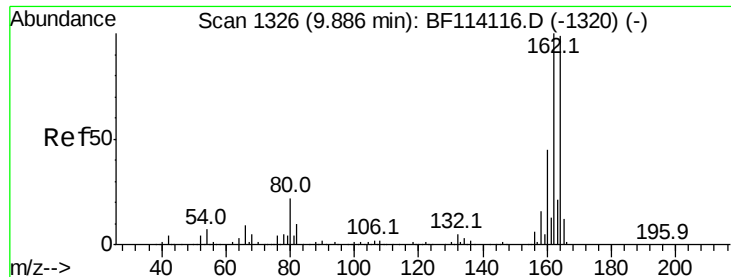
Ion Ratio Lower Upper

122 100

105 216.9 99.9 139.9#

77 394.0 69.4 109.4#

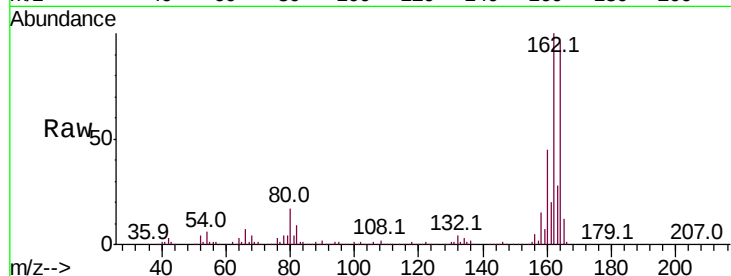




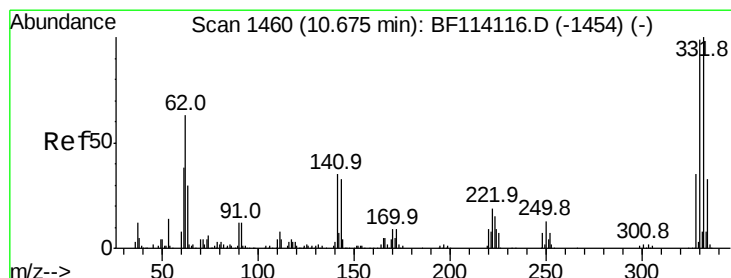
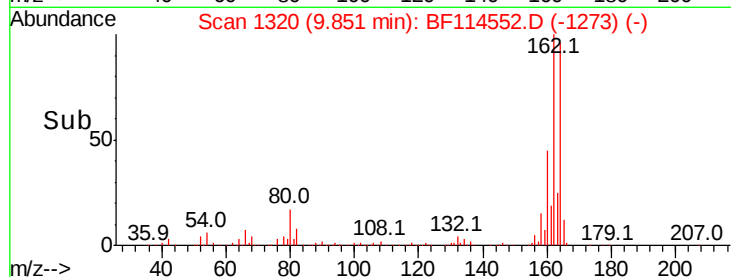
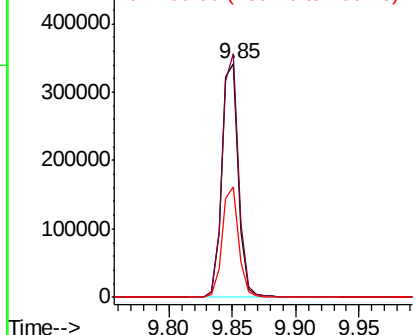
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BF114552.D
Acq: 24 May 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 314586
Ion Ratio Lower Upper
164 100
162 104.2 80.6 120.8
160 47.2 36.5 54.7

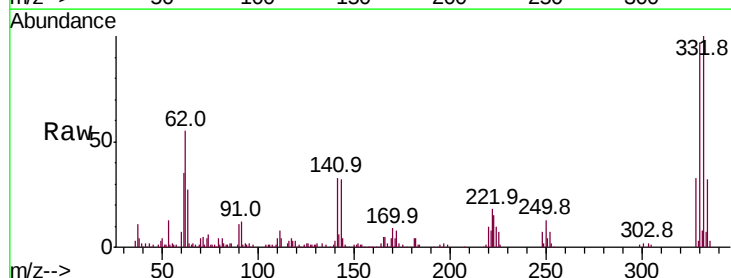


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

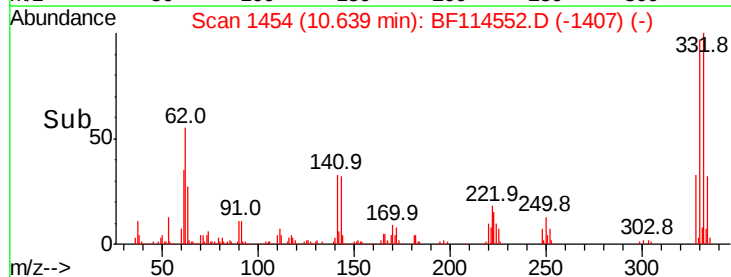
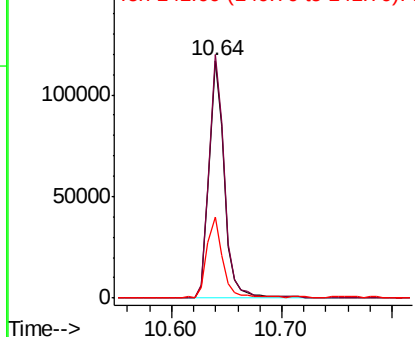


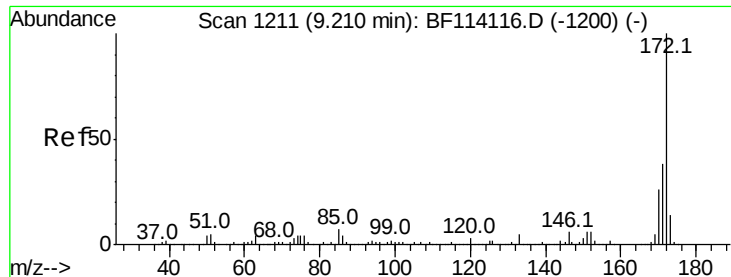
#42
2,4,6-Tribromophenol
Concen: 33.820 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.02 min
Lab File: BF114552.D
Acq: 24 May 2019 4:12

Tgt Ion:330 Resp: 109994
Ion Ratio Lower Upper
330 100
332 102.3 81.4 122.2
141 36.4 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

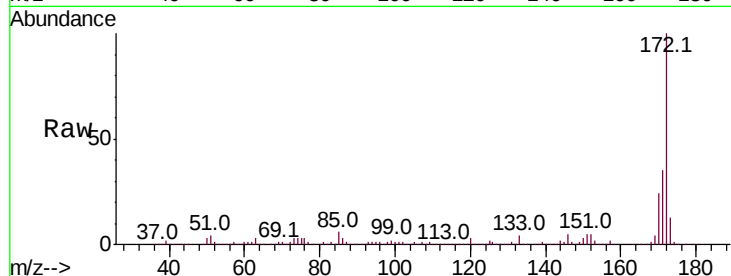




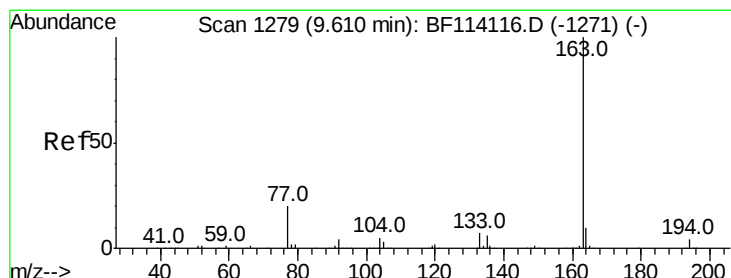
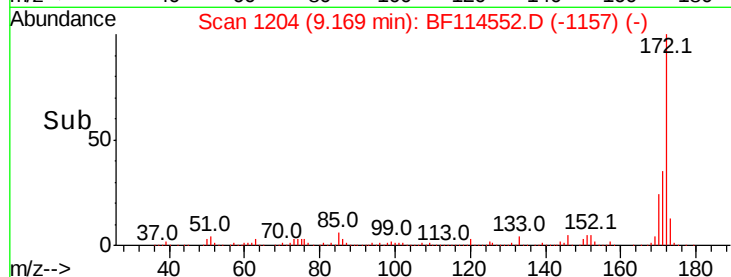
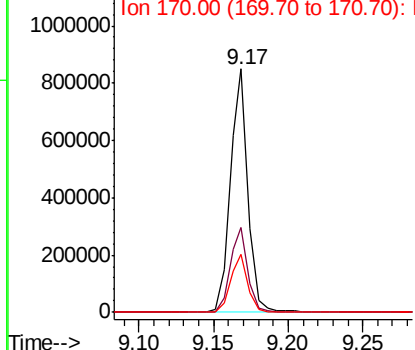
#45
2-Fluorobiphenyl
Concen: 33.960 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.02 min
Lab File: BF114552.D
Acq: 24 May 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	30.7	46.1
170	24.0	20.5	30.7

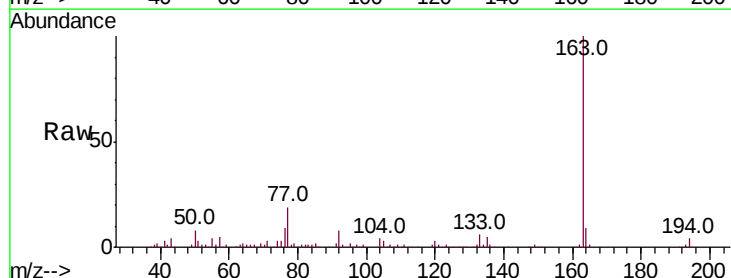


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

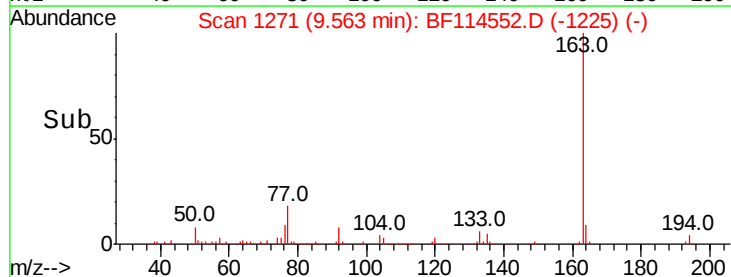
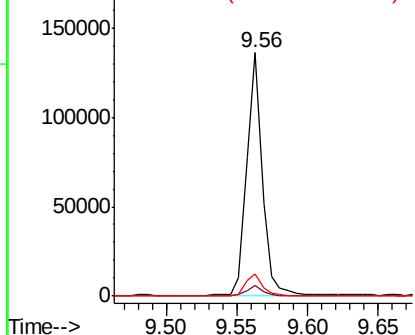


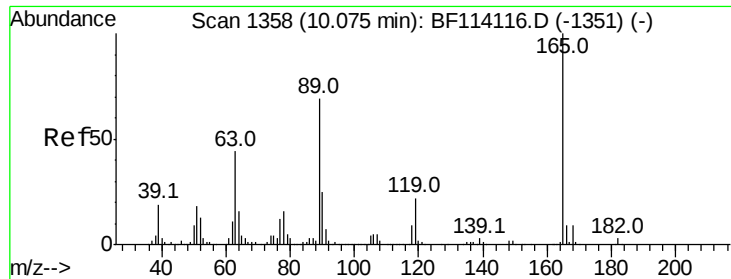
#50
Dimethylphthalate
Concen: 4.545 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.03 min
Lab File: BF114552.D
Acq: 24 May 2019 4:12

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.2	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

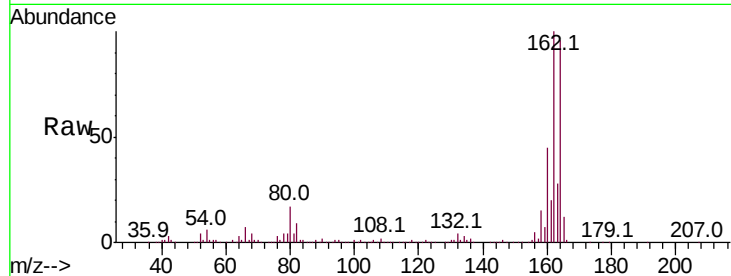




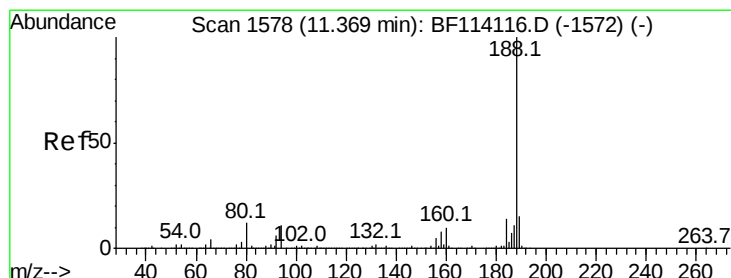
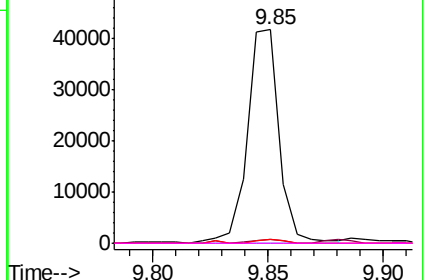
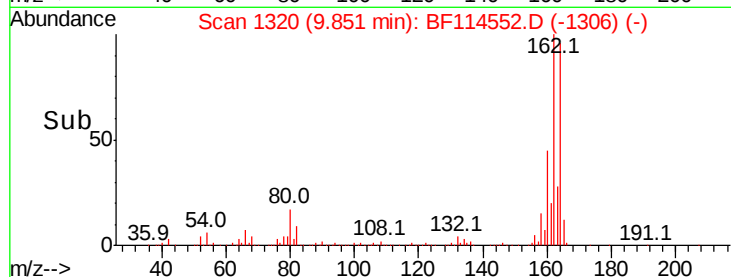
#57
 2,4-Dinitrotoluene
 Concen: 5.777 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.22 min
 Lab File: BF114552.D
 Acq: 24 May 2019 4:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 40160
 Ion Ratio Lower Upper
 165 100
 63 1.8 35.5 53.3#
 89 1.6 55.2 82.8#
 182 0.0 2.2 3.2#

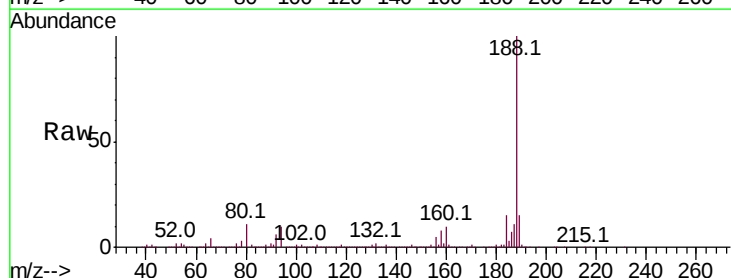


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

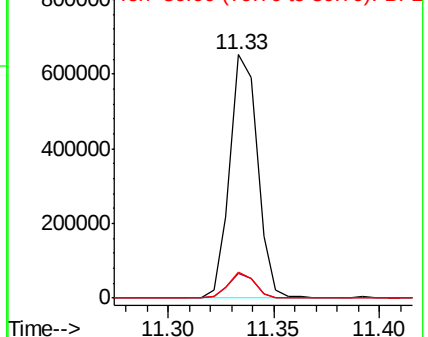
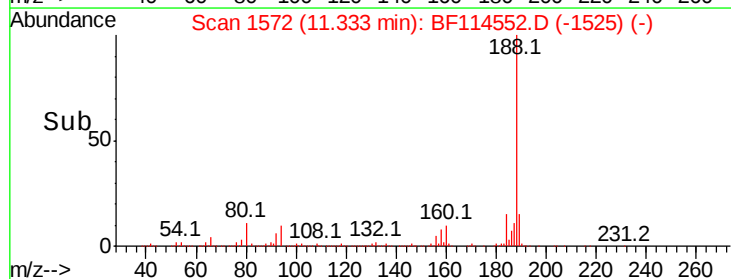


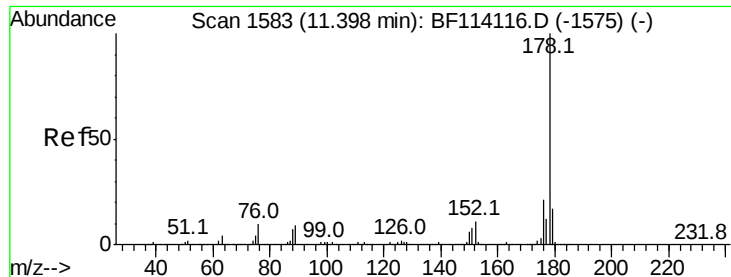
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: BF114552.D
 Acq: 24 May 2019 4:12

Tgt Ion:188 Resp: 593591
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.4 12.6
 80 10.8 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

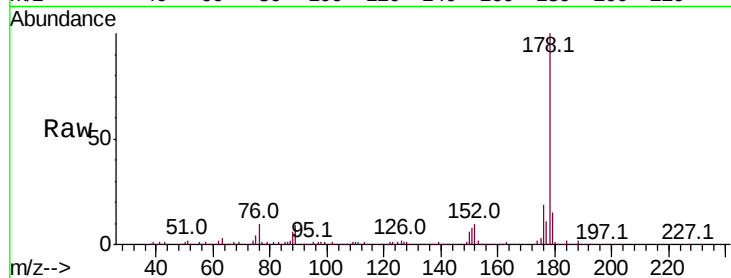




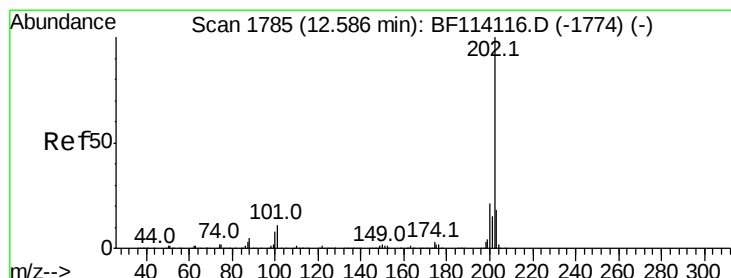
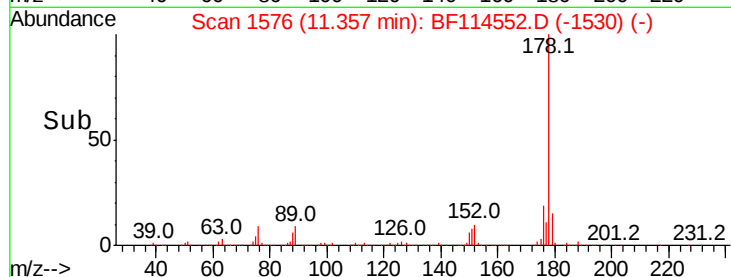
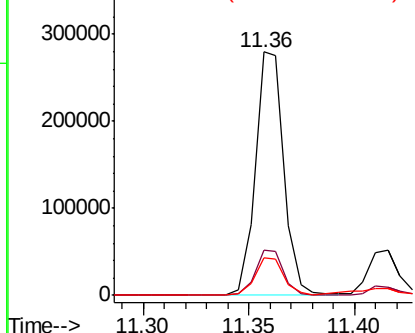
#71
Phenanthrene
Concen: 9.110 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.03 min
Lab File: BF114552.D
Acq: 24 May 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.4	24.6
179	15.4	13.2	19.8

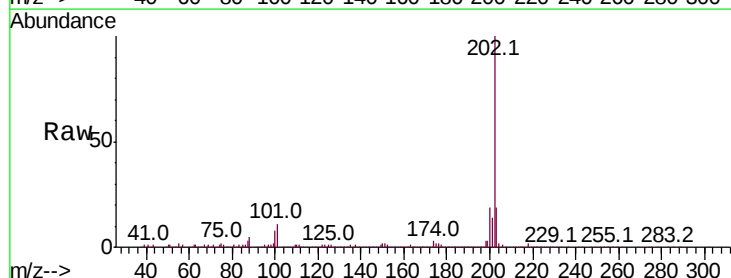


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

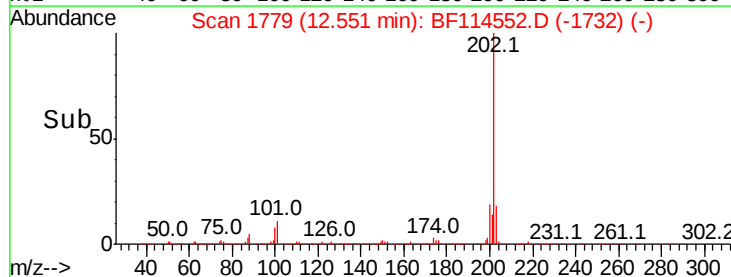
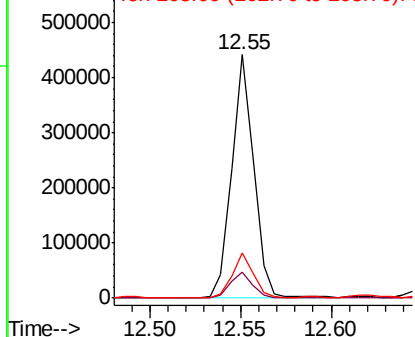


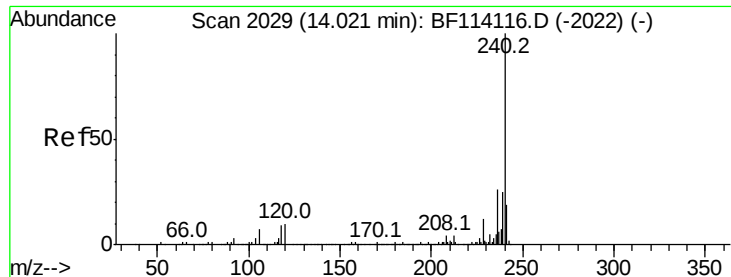
#75
Fluoranthene
Concen: 12.061 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.02 min
Lab File: BF114552.D
Acq: 24 May 2019 4:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.0
203	18.5	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

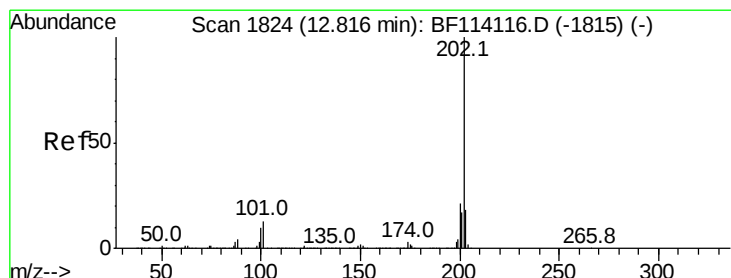
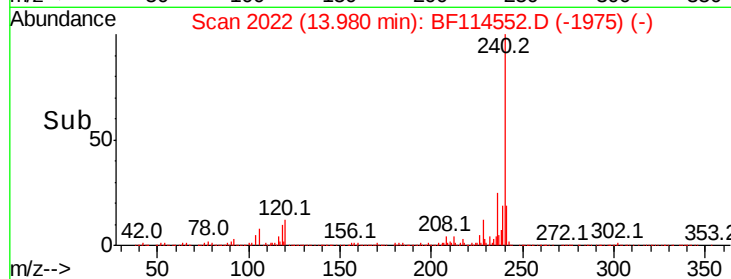
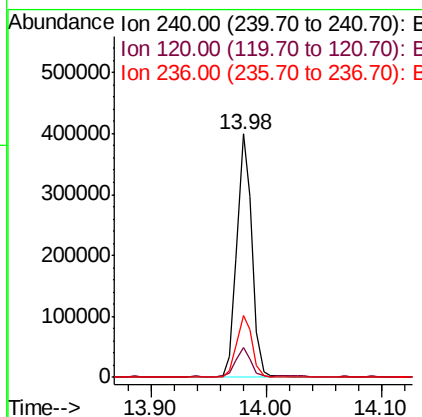
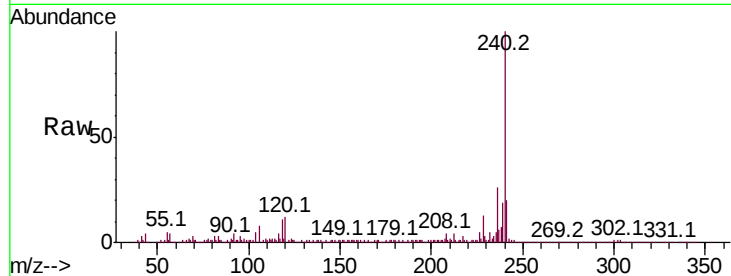




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.02 min
 Lab File: BF114552.D
 Acq: 24 May 2019 4:12

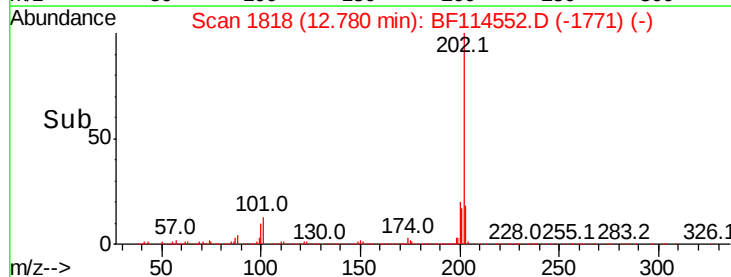
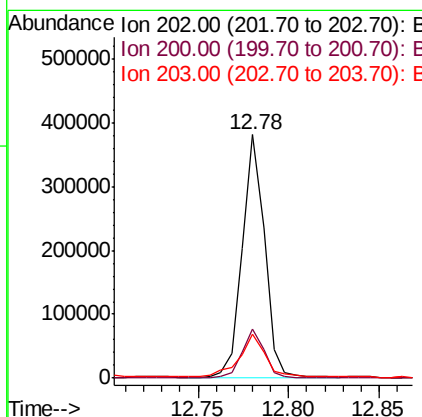
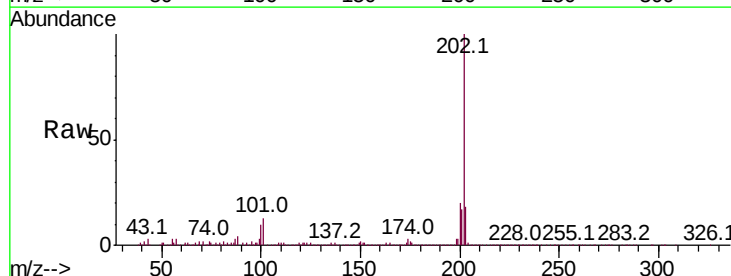
Instrument :
 BNA_F
 ClientSampleID :

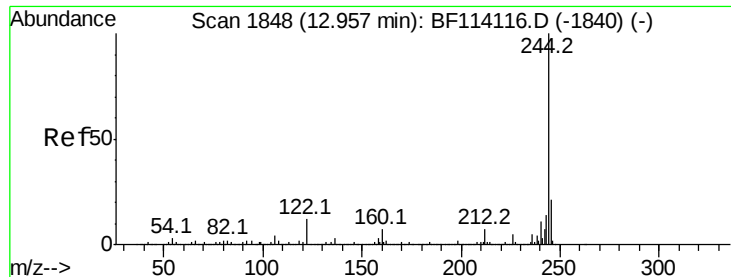
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	8.3	12.5
236	25.6	20.8	31.2



#78
 Pyrene
 Concen: 11.349 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BF114552.D
 Acq: 24 May 2019 4:12

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.9	25.3
203	18.1	14.5	21.7



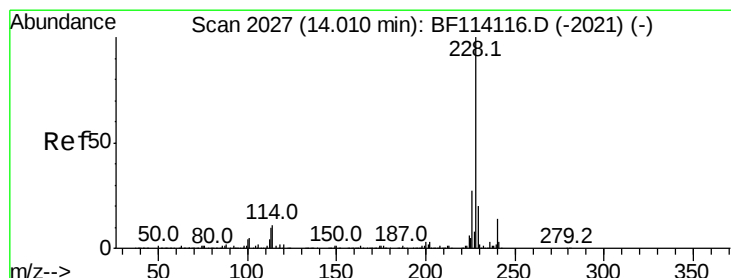
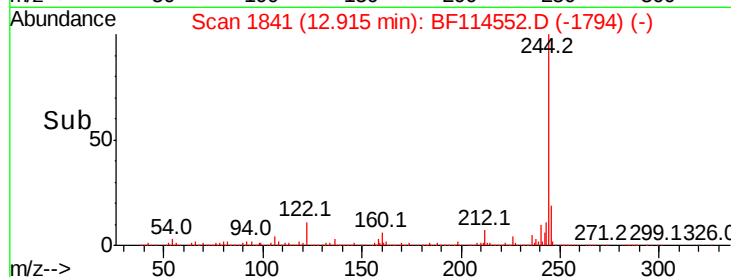
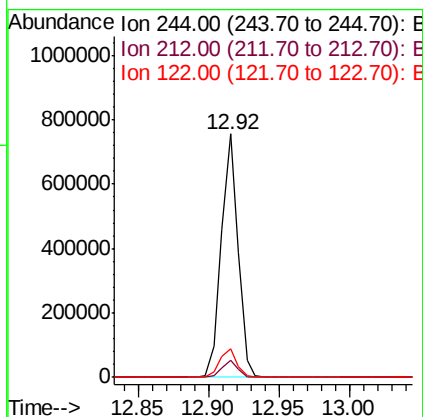
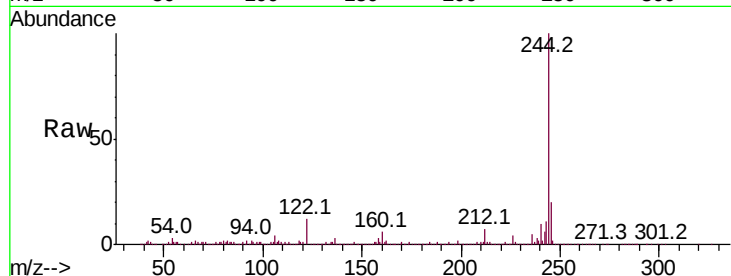


#79
 Terphenyl-d14
 Concen: 35.960 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.02 min
 Lab File: BF114552.D
 Acq: 24 May 2019 4:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 625589

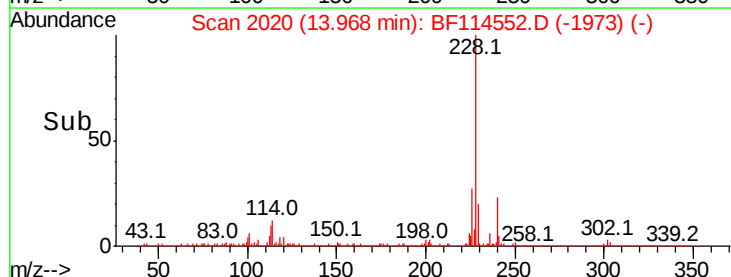
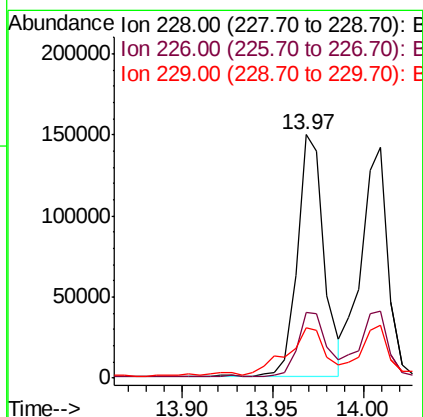
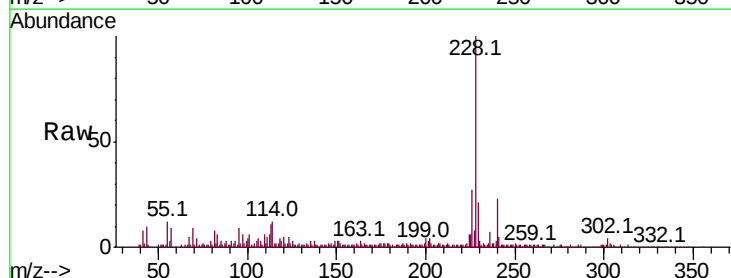
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	11.5	9.4	14.2

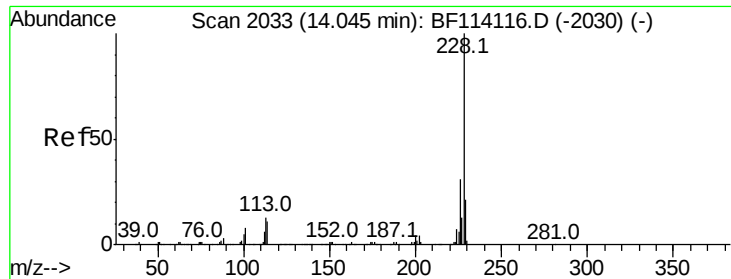


#81
 Benzo(a)anthracene
 Concen: 6.719 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.02 min
 Lab File: BF114552.D
 Acq: 24 May 2019 4:12

Tgt Ion:228 Resp: 155860

Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.2	33.2
229	20.6	16.4	24.6

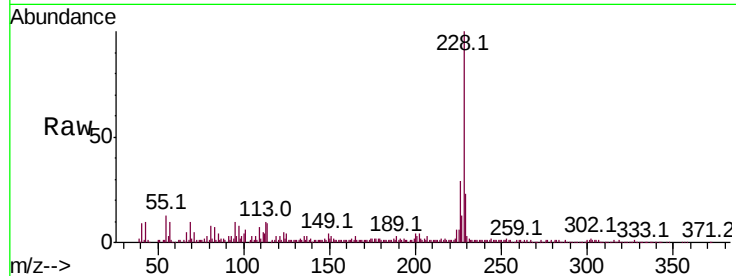




#83
Chrysene
Concen: 6.464 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BF114552.D
Acq: 24 May 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	22.7	17.0	25.6

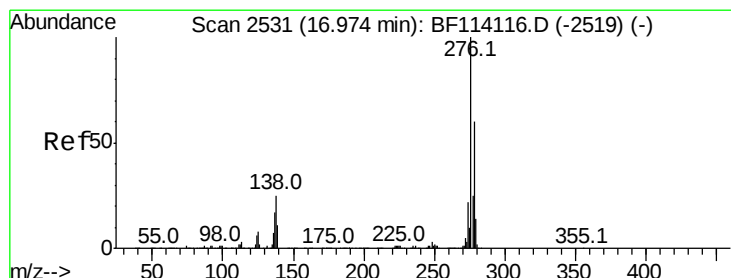
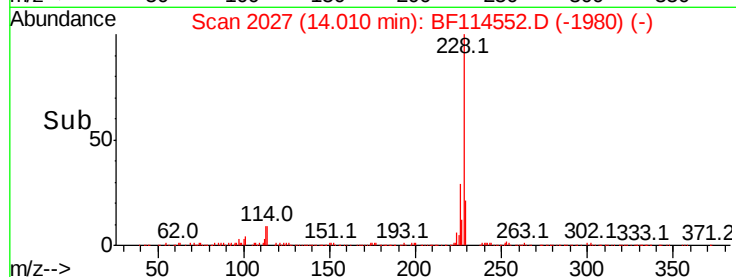
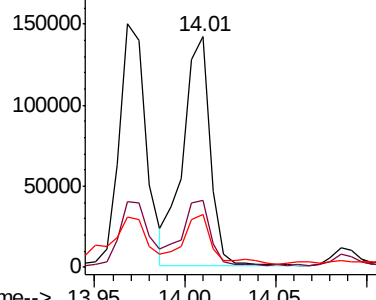


Abundance

Ion 228.00 (227.70 to 228.70): E

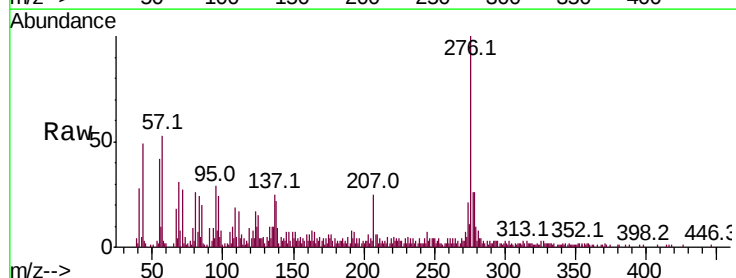
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.181 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.03 min
Lab File: BF114552.D
Acq: 24 May 2019 4:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.1	20.2	30.2#
277	24.4	20.0	30.0

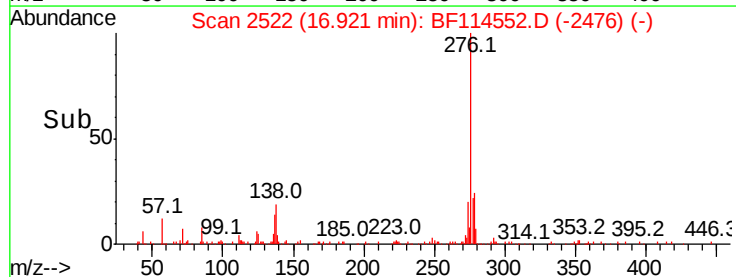
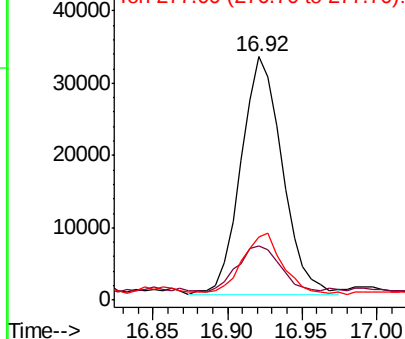


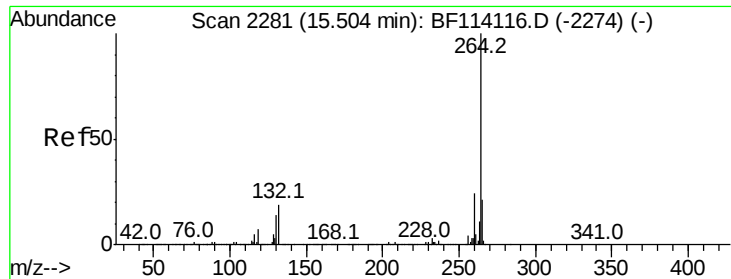
Abundance

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

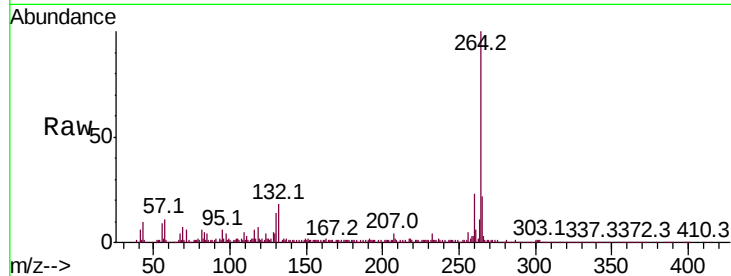




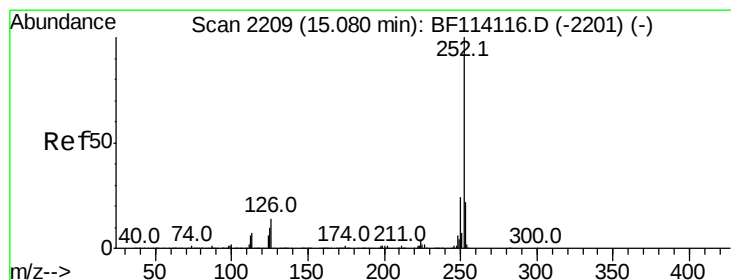
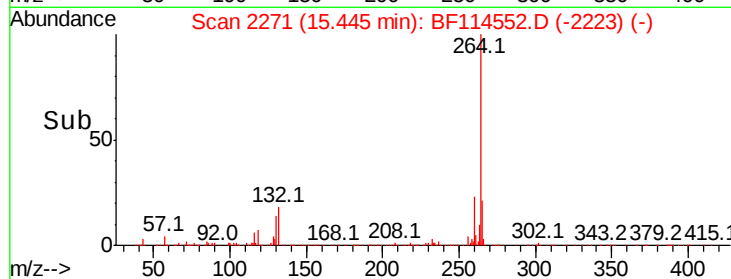
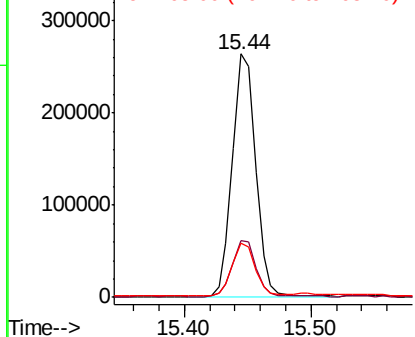
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF114552.D
Acq: 24 May 2019 4:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.4	29.0
265	22.0	16.9	25.3

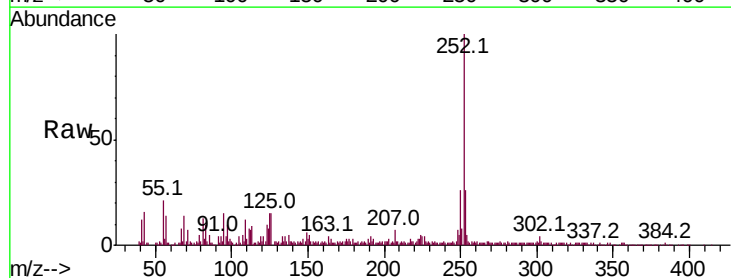


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

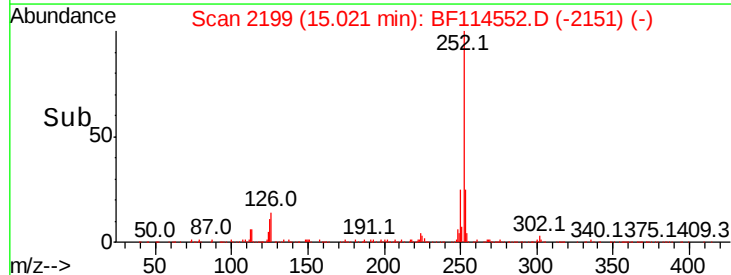
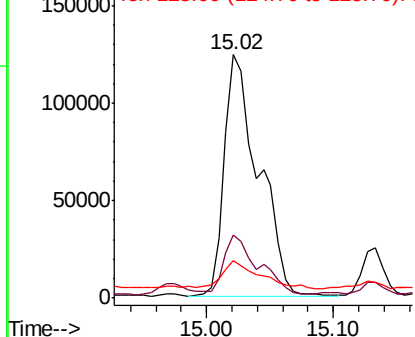


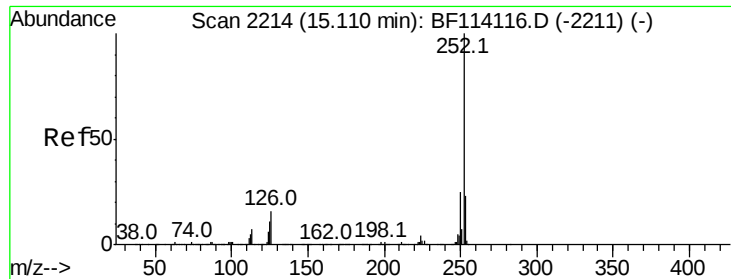
#88
Benzo(b)fluoranthene
Concen: 10.933 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF114552.D
Acq: 24 May 2019 4:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.8	26.8
125	15.4	8.3	12.5



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

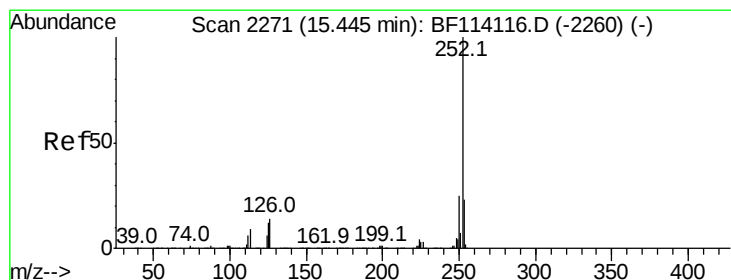
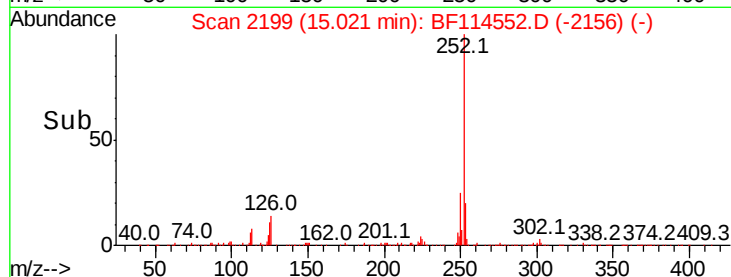
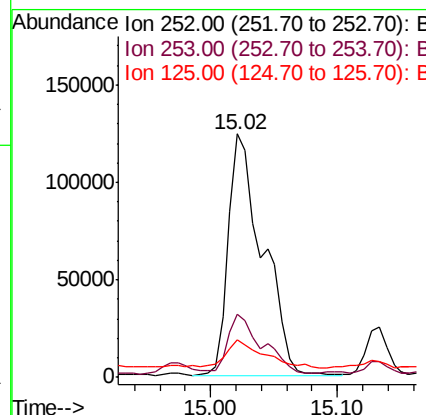
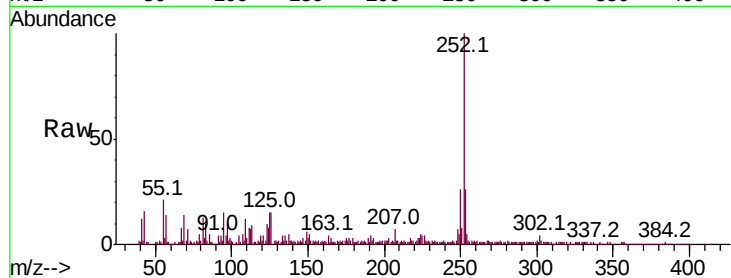




#89
Benzo(k)fluoranthene
Concen: 11.902 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.05 min
Lab File: BF114552.D
Acq: 24 May 2019 4:12

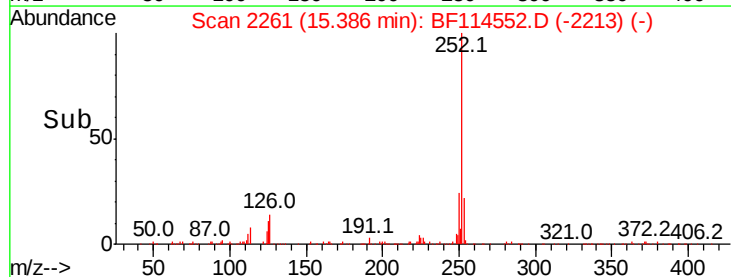
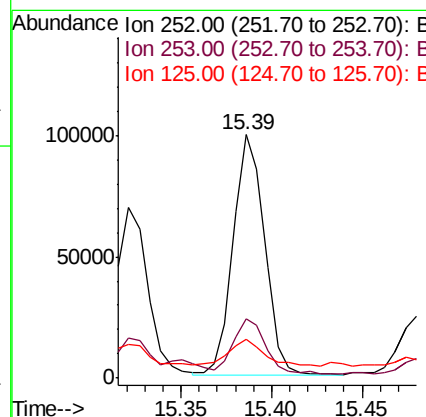
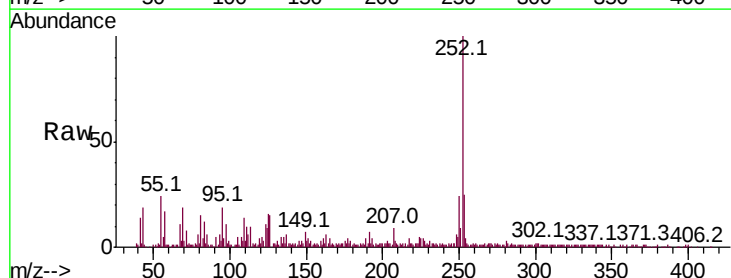
Instrument :
BNA_F
ClientSampleId :

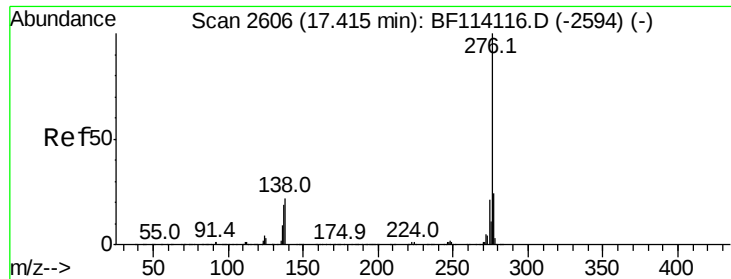
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.2	27.2
125	15.4	8.6	13.0



#90
Benzo(a)pyrene
Concen: 6.409 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.02 min
Lab File: BF114552.D
Acq: 24 May 2019 4:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.1	27.1
125	16.1	9.5	14.3





#92

Benzo(a,h,i)perylene

Concen: 3.837 ng

RT: 17.37 min Scan# 2598

Delta R.T. -0.02 min

Lab File: BF114552.D

Acq: 24 May 2019 4:12

Instrument :

BNA_F

ClientSampleId :

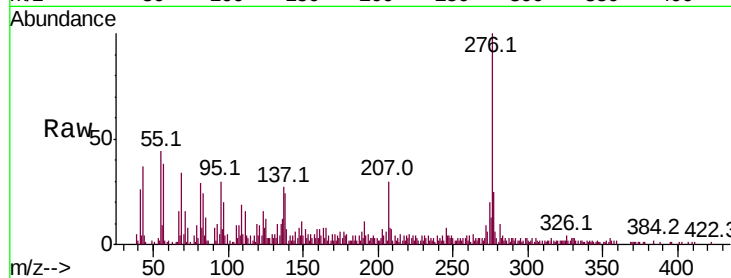
Tot Ion:276 Resp: 60061

Ion Ratio Lower Upper

276 100

277 24.9 19.0 28.4

138 23.8 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

