

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051819\
 Data File : BF114398.D
 Acq On : 18 May 2019 18:23
 Operator : JU/SJ
 Sample : K2643-07 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 04:11:02 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

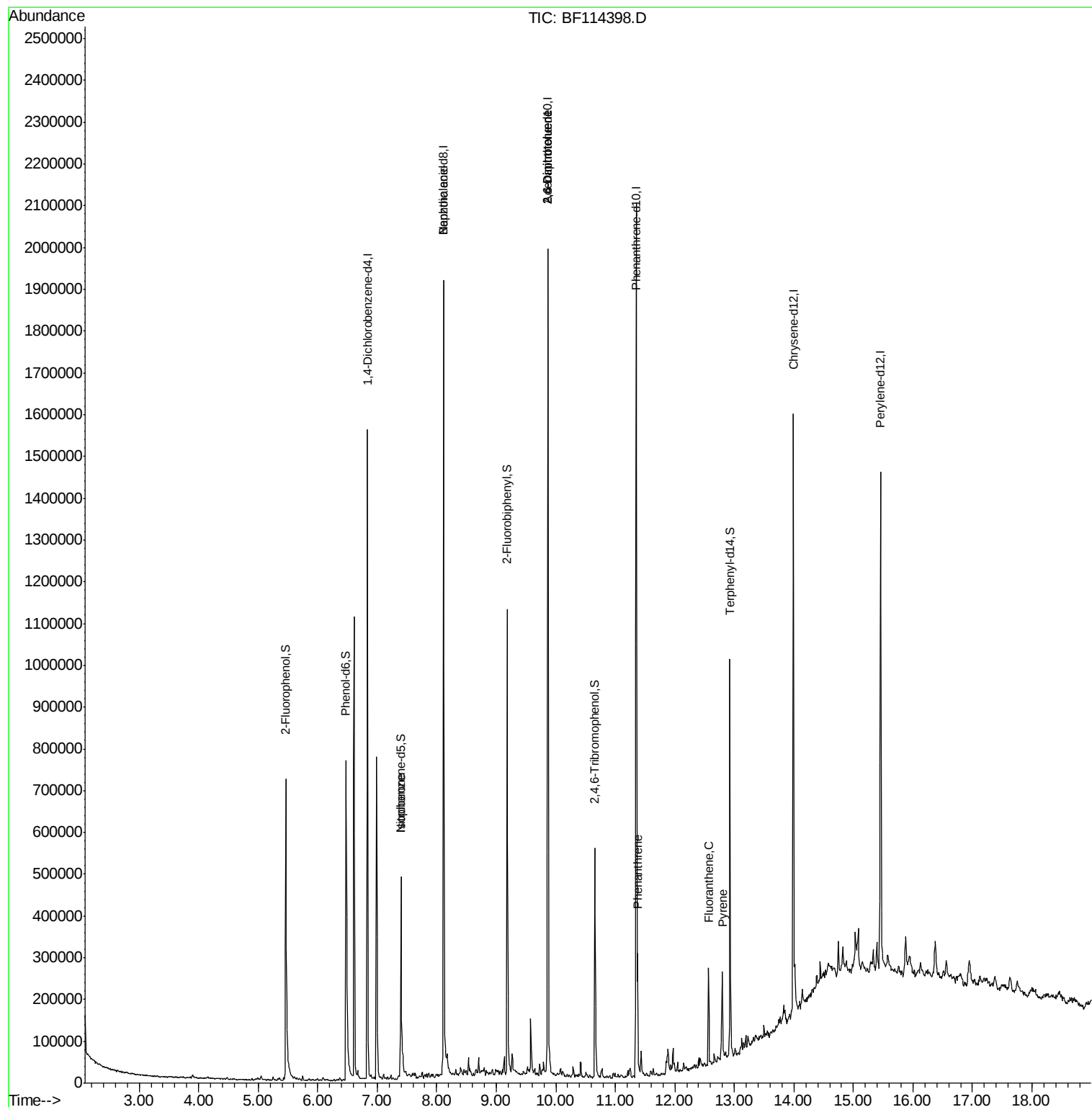
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	232959	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	902156	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	413731	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	775238	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	474355	20.00	ng	-0.03
87) Perylene-d12	15.46	264	546676	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	274981	19.00	ng	-0.02
7) Phenol-d6	6.47	99	380348	22.21	ng	-0.02
23) Nitrobenzene-d5	7.40	82	210110	13.07	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	71647	16.75	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	382583	13.99	ng	-0.02
79) Terphenyl-d14	12.93	244	308099	13.39	ng	-0.03
Target Compounds						
25) Isophorone	7.40	82	210109	7.047	ng	# 65
32) Benzoic acid	8.12	122	128	7.033	ng	# 1
51) 2,6-Dinitrotoluene	9.87	165	53950	8.009	ng	# 22
57) 2,4-Dinitrotoluene	9.87	165	54106	5.918	ng	# 25
71) Phenanthrene	11.37	178	98553	2.613	ng	98
75) Fluoranthene	12.57	202	101623	2.502	ng	96
78) Pyrene	12.80	202	86000	2.254	ng	97

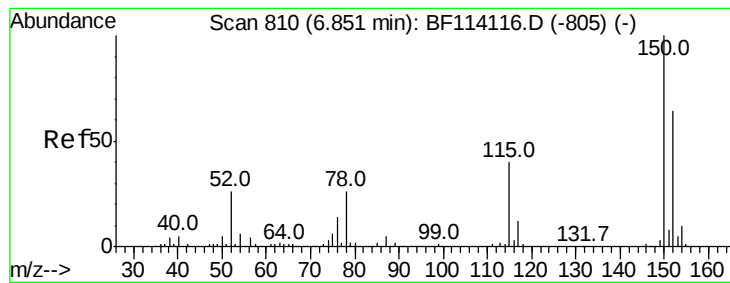
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



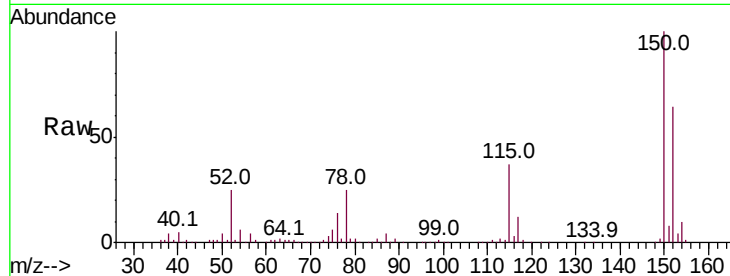


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF114398.D
Acq: 18 May 2019 18:23

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.3	186.5
115	57.9	49.1	73.7

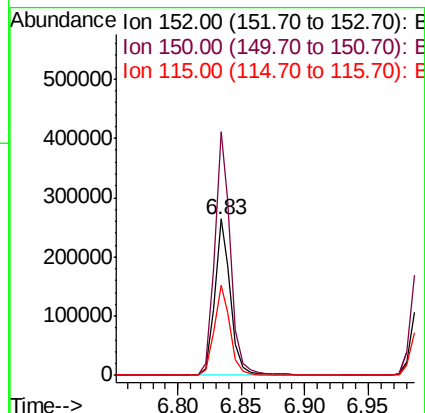
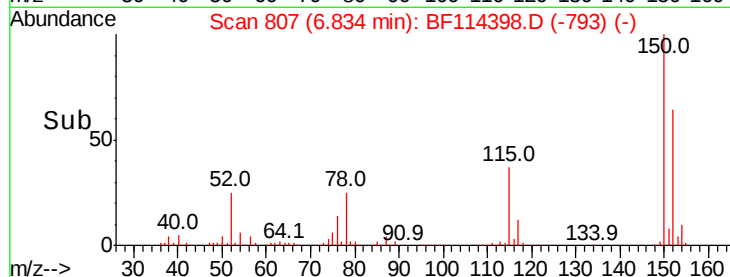


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

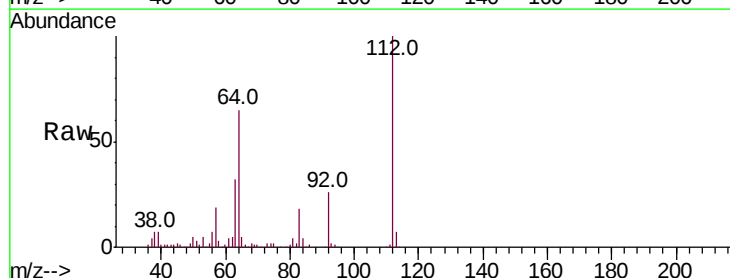
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 18.995 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF114398.D
Acq: 18 May 2019 18:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	49.0	73.6
63	32.4	24.6	37.0

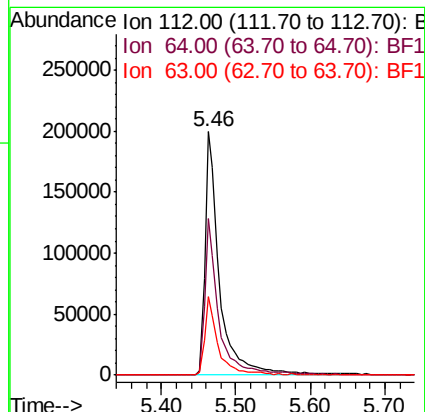
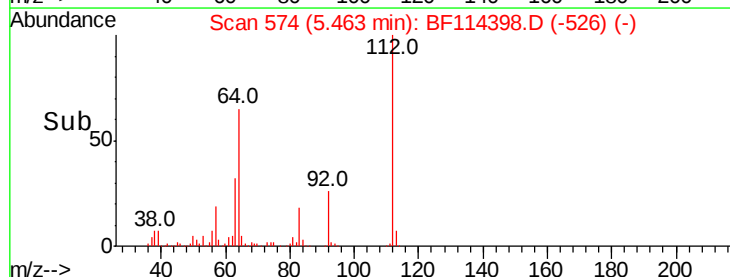


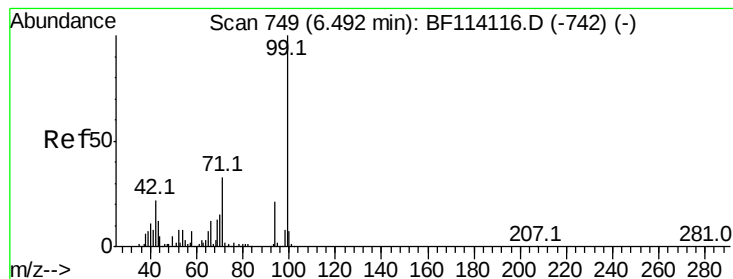
Abundance

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: 22.215 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF114398.D

Acq: 18 May 2019 18:23

Instrument :

BNA_F

ClientSampleId :

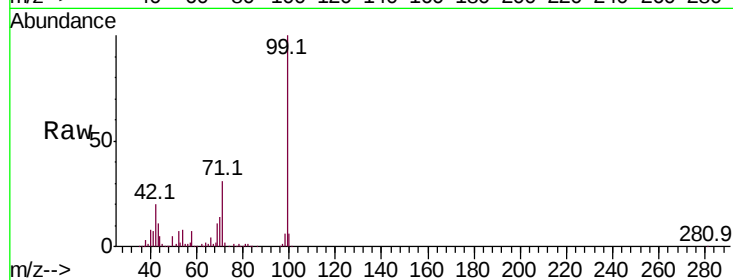
Tot Ion: 99 Resp: 380348

Ion Ratio Lower Upper

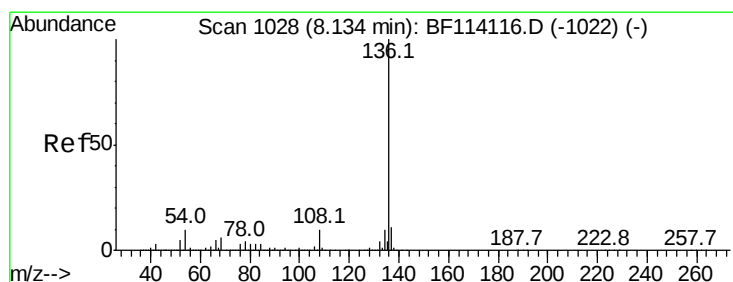
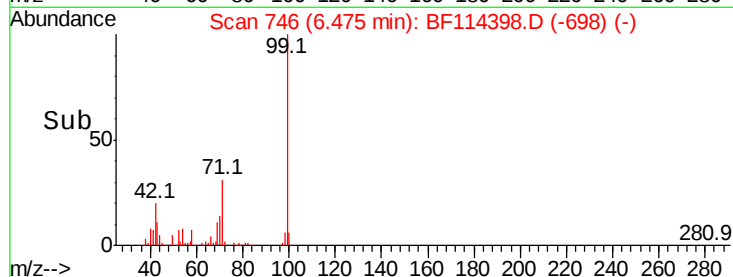
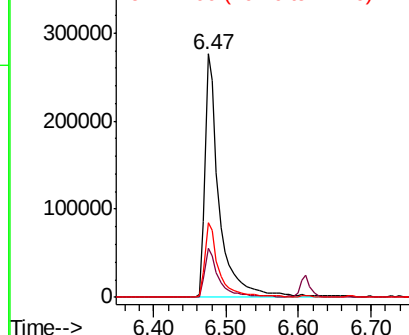
99 100

42 20.2 17.9 26.9

71 30.6 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BF114398.D

Acq: 18 May 2019 18:23

Tgt Ion: 136 Resp: 902156

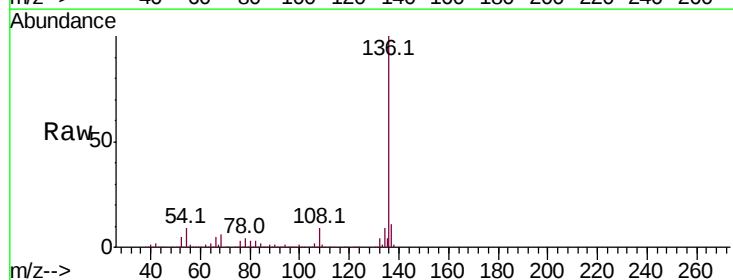
Ion Ratio Lower Upper

136 100

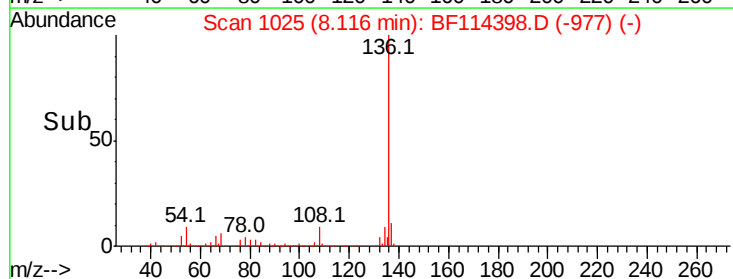
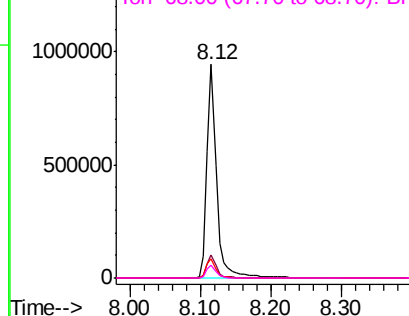
137 10.9 8.8 13.2

54 9.2 7.8 11.8

68 6.2 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

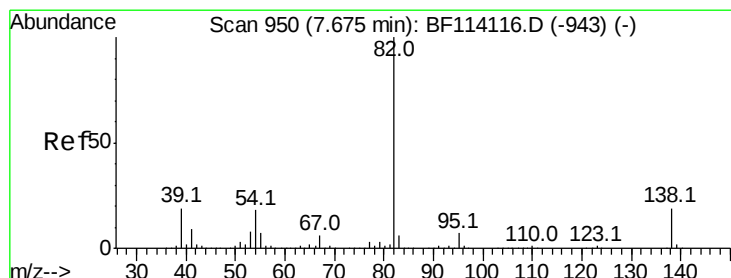
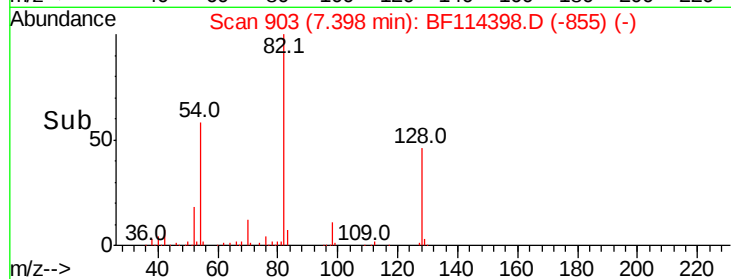
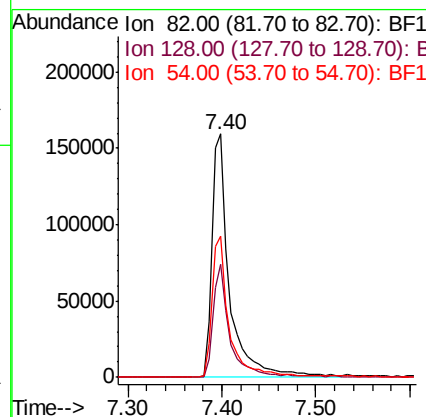
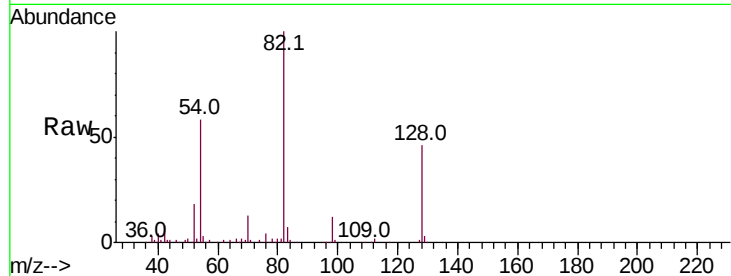




#23
Nitrobenzene-d5
Concen: 13.070 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF114398.D
Acq: 18 May 2019 18:23

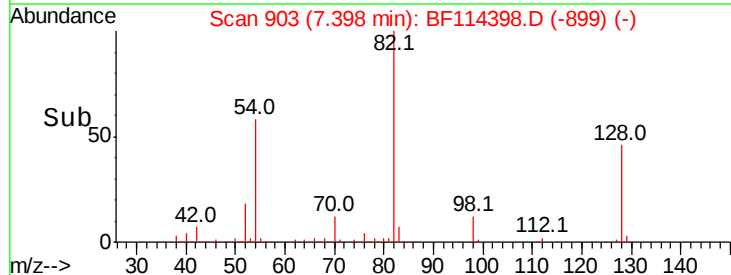
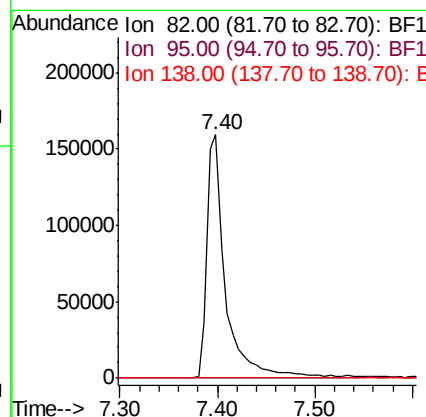
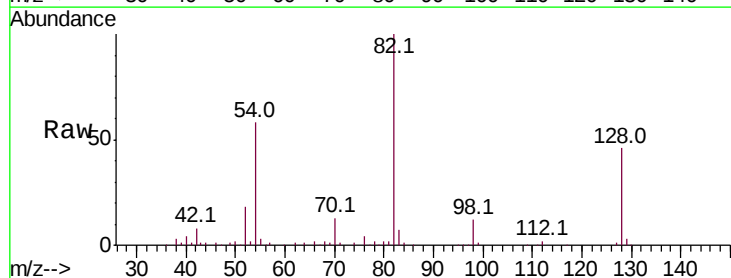
Instrument :
BNA_F
ClientSampled :

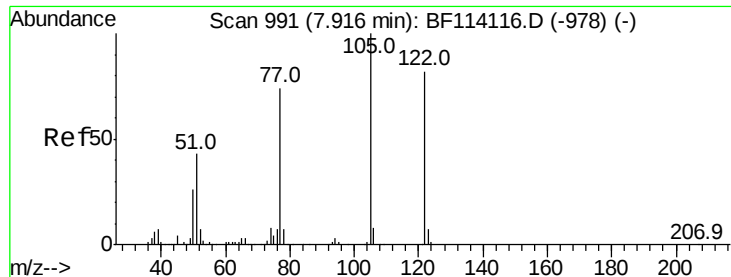
Tot Ion	82	Resp	210110
Ion Ratio	Lower	Upper	
82	100		
128	46.2	35.5	53.3
54	57.8	48.5	72.7



#25
Isophorone
Concen: 7.047 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.28 min
Lab File: BF114398.D
Acq: 18 May 2019 18:23

Tgt Ion	82	Resp	210109
Ion Ratio	Lower	Upper	
82	100		
95	0.2	5.6	8.4#
138	0.0	14.8	22.2#

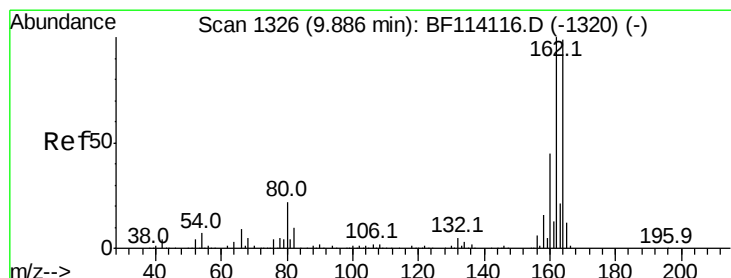
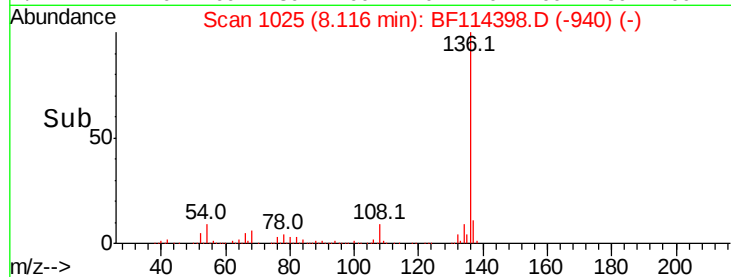
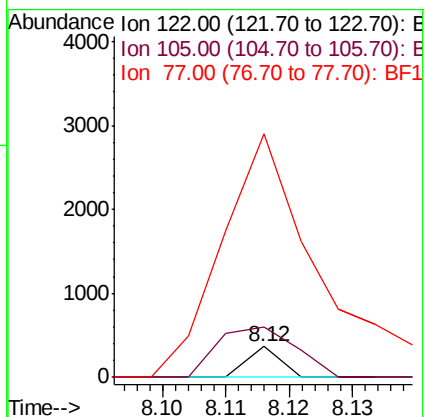
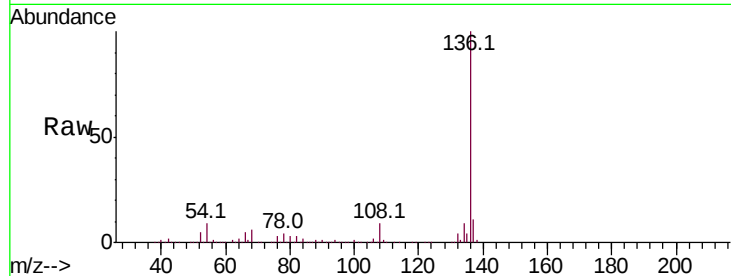




#32
Benzoic acid
Concen: 7.033 ng
RT: 8.12 min Scan# 1025
Delta R.T. 0.20 min
Lab File: BF114398.D
Acq: 18 May 2019 18:23

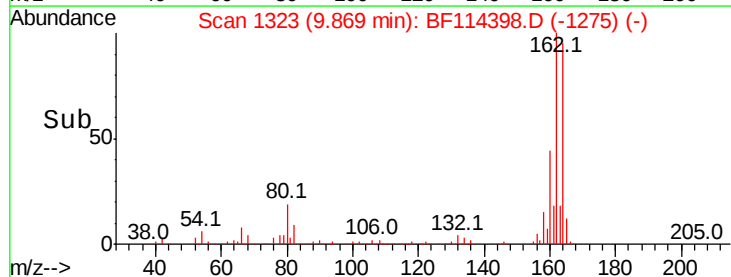
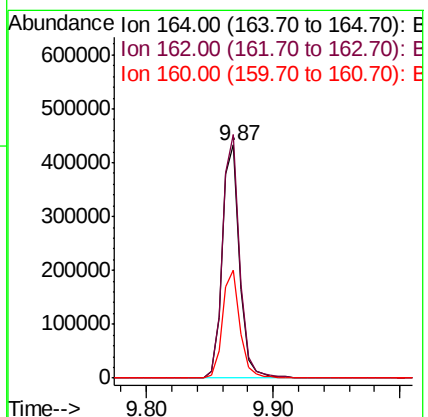
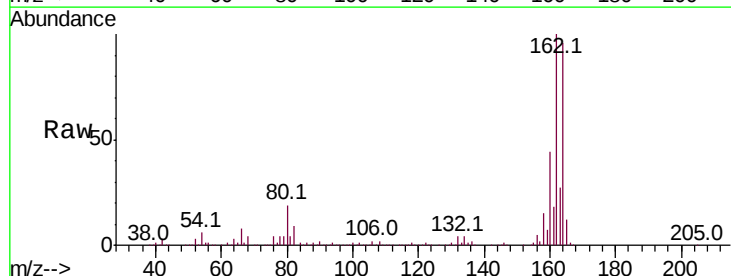
Instrument :
BNA_F
ClientSampleId :

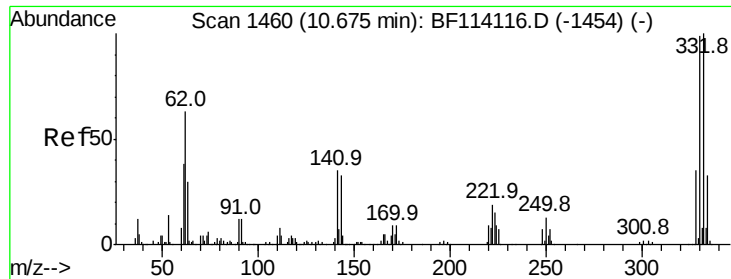
Tot Ion	Ratio	Lower	Upper
122	100		
105	165.1	99.9	139.9#
77	796.7	69.4	109.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF114398.D
Acq: 18 May 2019 18:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	80.6	120.8
160	46.1	36.5	54.7

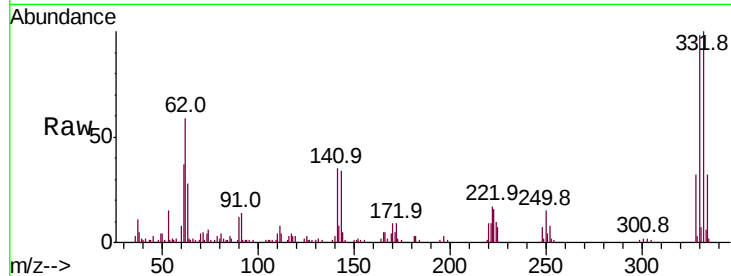




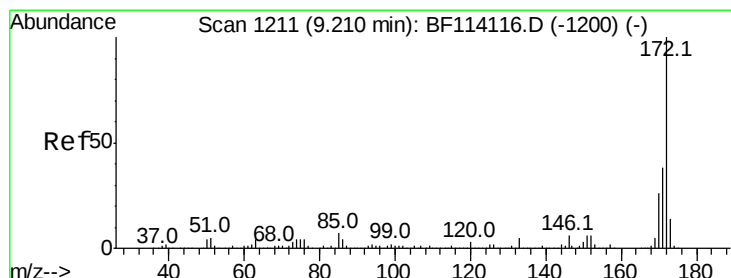
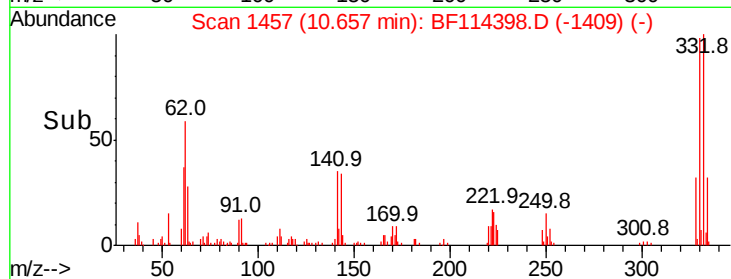
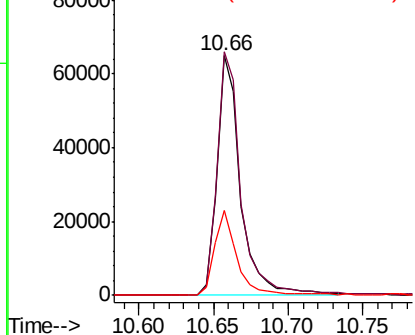
#42
 2,4,6-Tribromophenol
 Concen: 16.751 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF114398.D
 Acq: 18 May 2019 18:23

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 71647
 Ion Ratio Lower Upper
 330 100
 332 104.1 81.4 122.2
 141 34.1 26.6 40.0

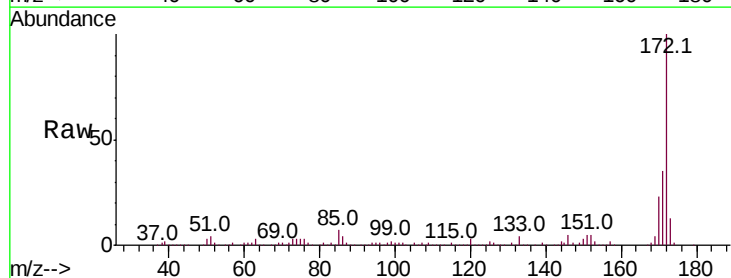


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

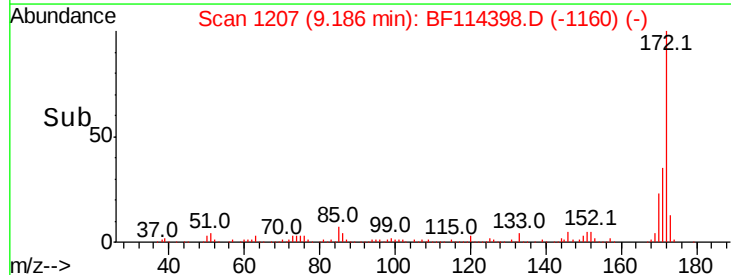
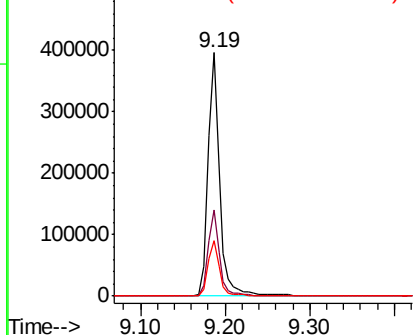


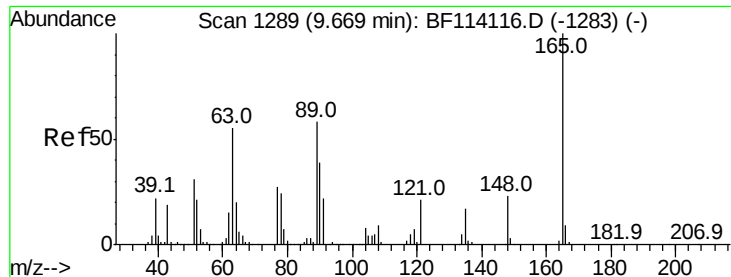
#45
 2-Fluorobiphenyl
 Concen: 13.988 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF114398.D
 Acq: 18 May 2019 18:23

Tgt Ion:172 Resp: 382583
 Ion Ratio Lower Upper
 172 100
 171 35.4 30.7 46.1
 170 22.9 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

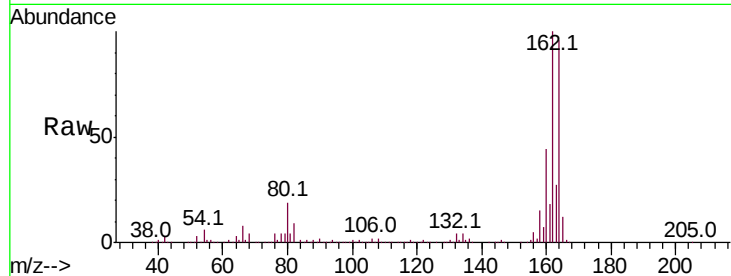




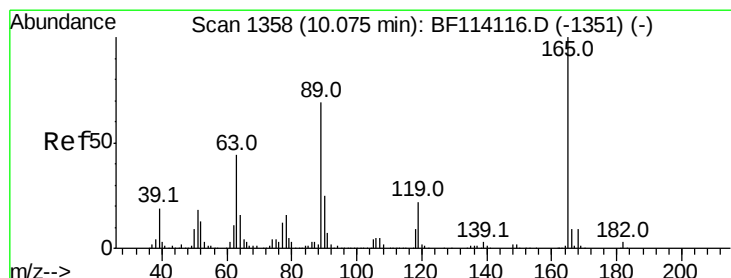
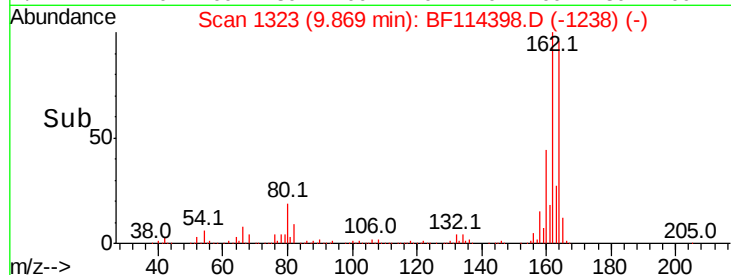
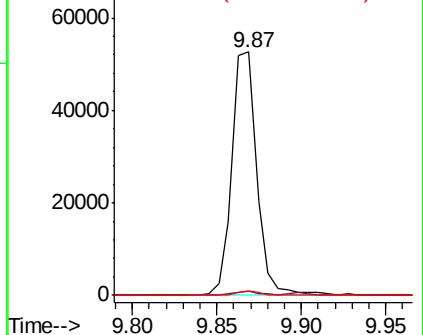
#51
 2,6-Dinitrotoluene
 Concen: 8.009 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.20 min
 Lab File: BF114398.D
 Acq: 18 May 2019 18:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	50.2	75.4#
89	1.6	46.6	69.8#



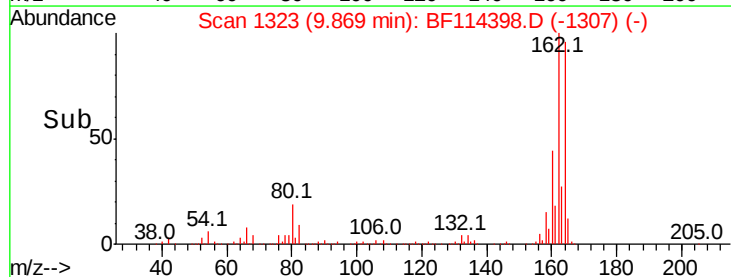
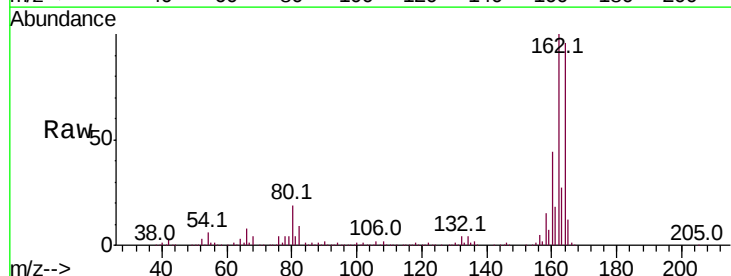
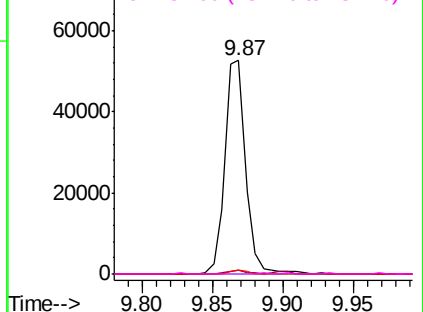
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

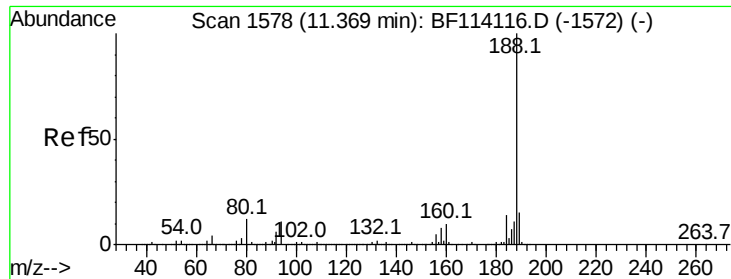


#57
 2,4-Dinitrotoluene
 Concen: 5.918 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF114398.D
 Acq: 18 May 2019 18:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	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): BF1

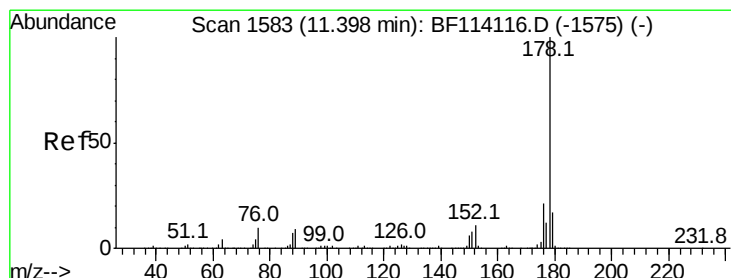
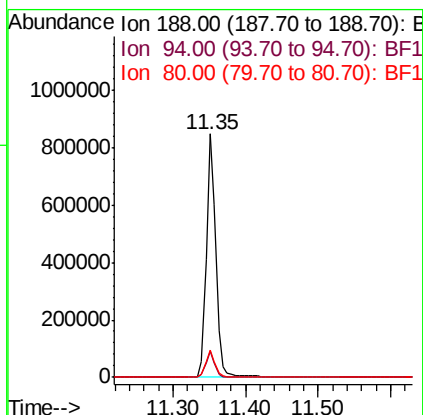
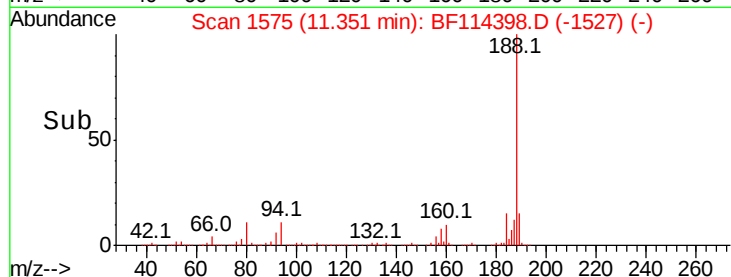
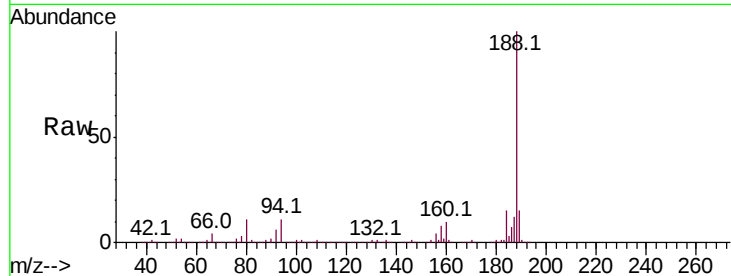




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF114398.D
Acq: 18 May 2019 18:23

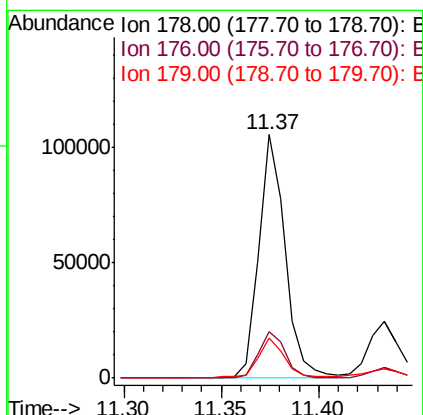
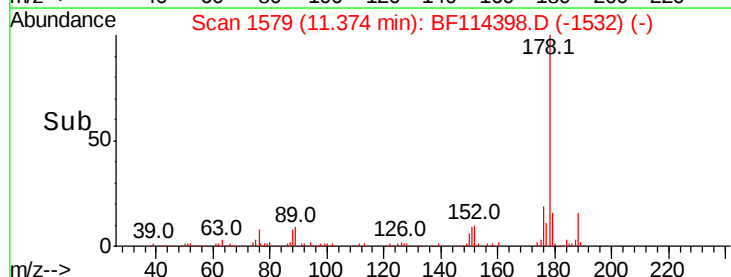
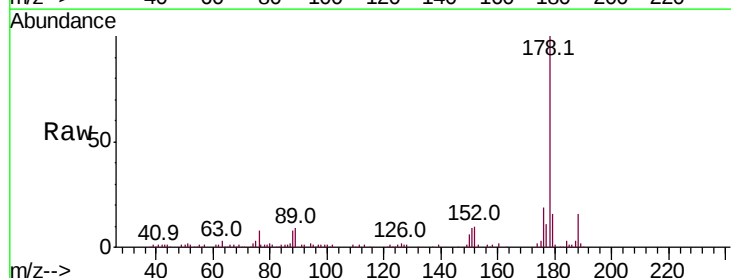
Instrument :
BNA_F
ClientSampleId :

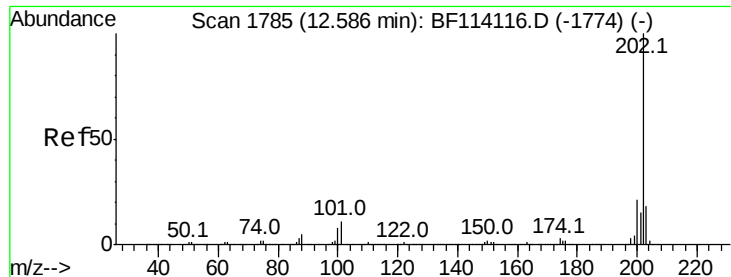
Tot Ion:188 Resp: 775238
Ion Ratio Lower Upper
188 100
94 10.8 8.4 12.6
80 11.2 9.2 13.8



#71
Phenanthrene
Concen: 2.613 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.02 min
Lab File: BF114398.D
Acq: 18 May 2019 18:23

Tgt Ion:178 Resp: 98553
Ion Ratio Lower Upper
178 100
176 18.9 16.4 24.6
179 16.4 13.2 19.8





#75

Fluoranthene

Concen: 2.502 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.02 min

Lab File: BF114398.D

Acq: 18 May 2019 18:23

Instrument :

BNA_F

ClientSampleId :

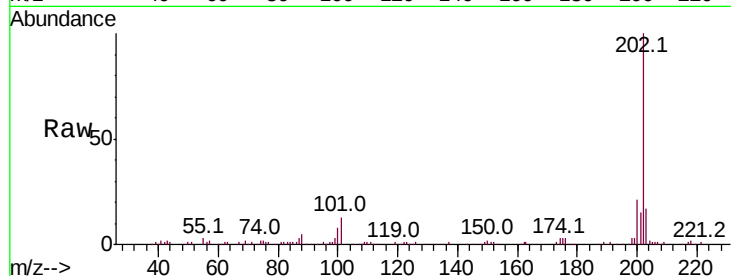
Tot Ion:202 Resp: 101623

Ion Ratio Lower Upper

202 100

101 12.8 0.0 31.0

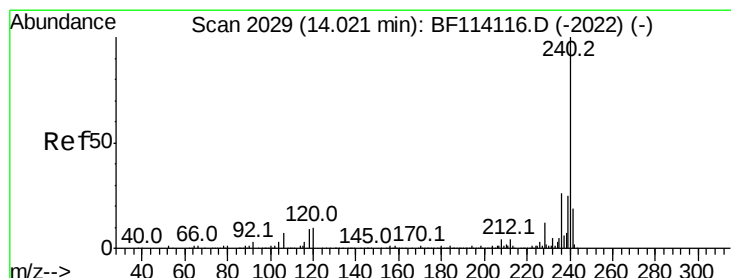
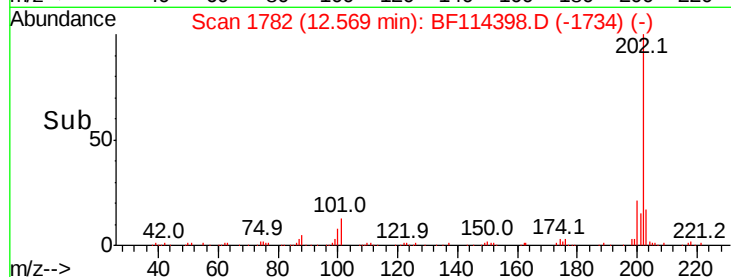
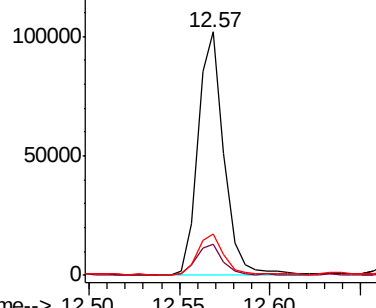
203 17.1 0.0 38.4



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: 13.99 min Scan# 2024

Delta R.T. -0.03 min

Lab File: BF114398.D

Acq: 18 May 2019 18:23

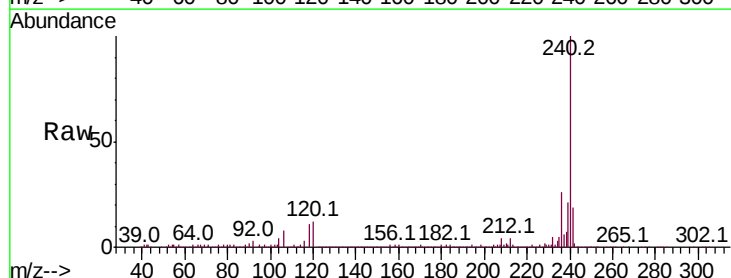
Tgt Ion:240 Resp: 474355

Ion Ratio Lower Upper

240 100

120 12.5 8.3 12.5

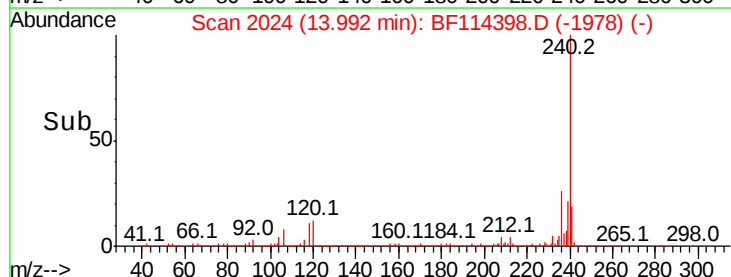
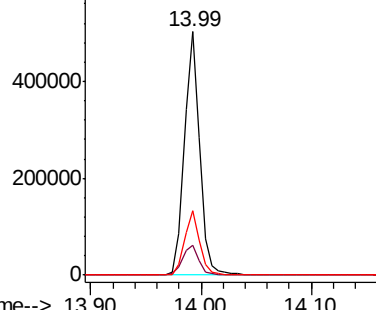
236 26.3 20.8 31.2

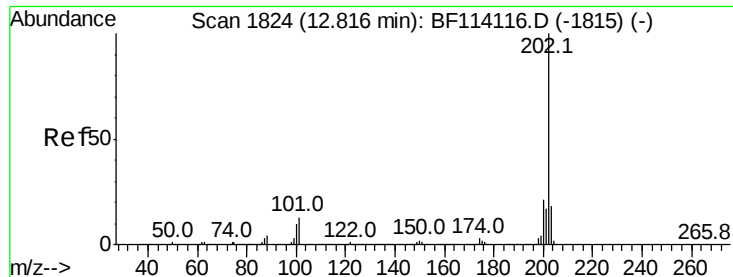


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.254 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.02 min

Lab File: BF114398.D

Acq: 18 May 2019 18:23

Instrument :

BNA_F

ClientSampled :

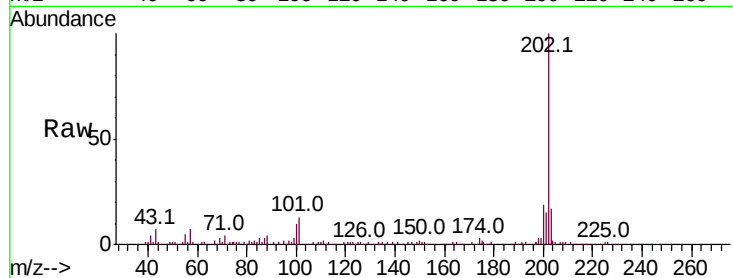
Tot Ion:202 Resp: 86000

Ion Ratio Lower Upper

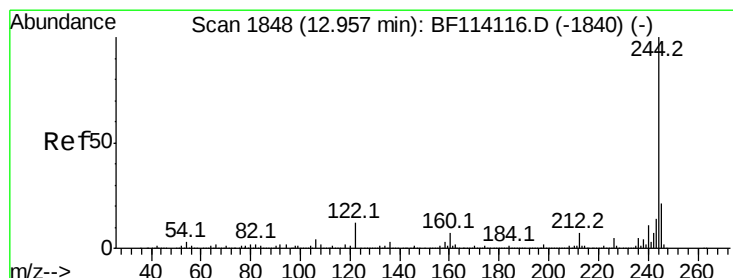
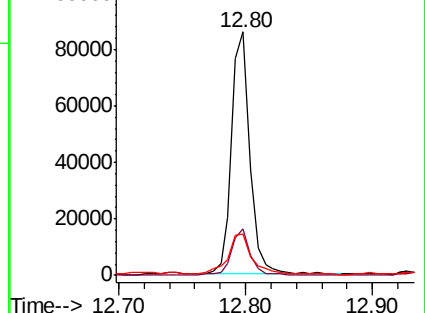
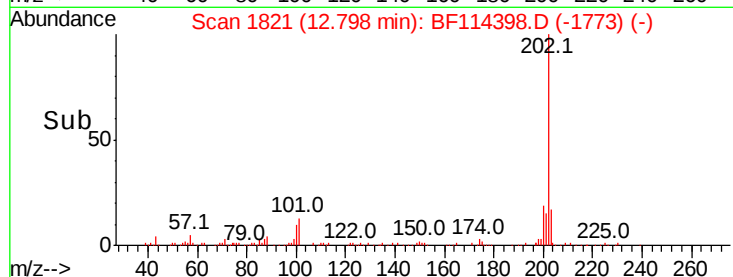
202 100

200 19.1 16.9 25.3

203 17.1 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: 13.389 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.03 min

Lab File: BF114398.D

Acq: 18 May 2019 18:23

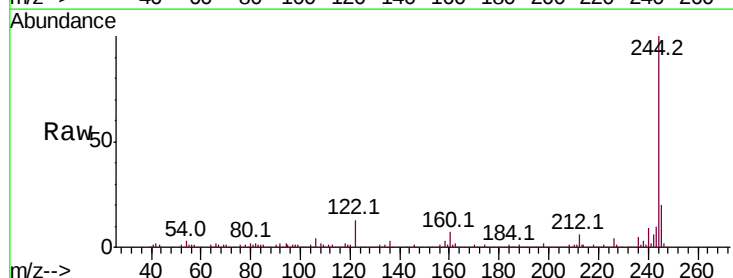
Tgt Ion:244 Resp: 308099

Ion Ratio Lower Upper

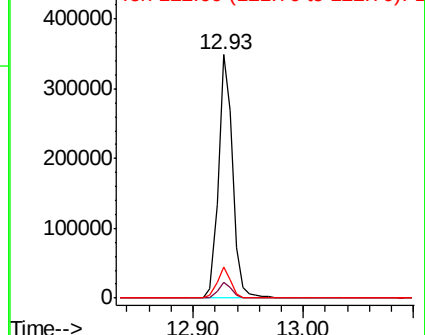
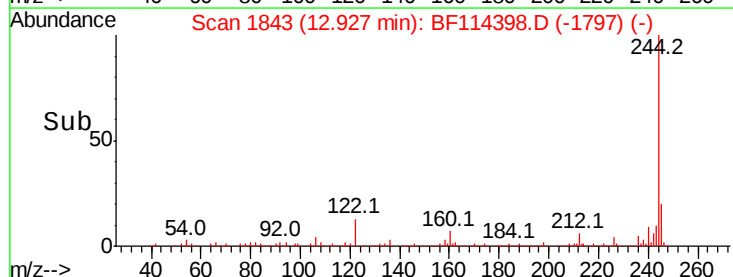
244 100

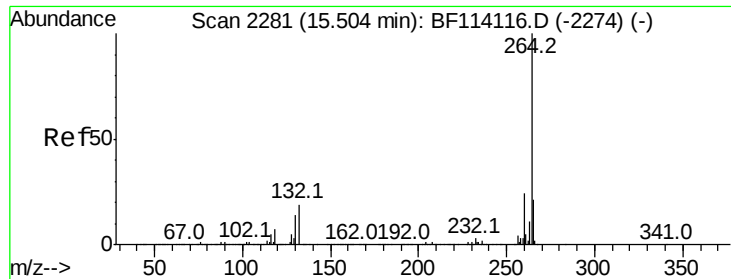
212 6.3 5.8 8.6

122 12.7 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



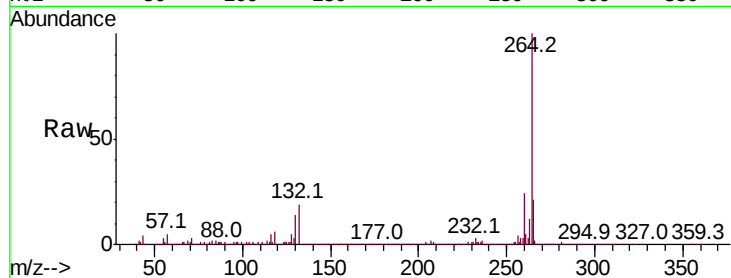


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.05 min
Lab File: BF114398.D
Acq: 18 May 2019 18:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 264 Resp: 546676

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	21.4	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

