

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114671.D
 Acq On : 30 May 2019 20:22
 Operator : HP/JU
 Sample : K3065-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 05:46:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	390841	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1503030	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	757786	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1478944	20.00	ng	0.00
76) Chrysene-d12	13.81	240	956415	20.00	ng	0.00
87) Perylene-d12	15.20	264	1048003	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	909436	40.85	ng	0.00
7) Phenol-d6	6.33	99	2159265	80.49	ng	0.00
23) Nitrobenzene-d5	7.25	82	1452577	60.29	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	185652	25.71	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	2385345	53.13	ng	0.00
79) Terphenyl-d14	12.77	244	2378384	46.75	ng	0.00

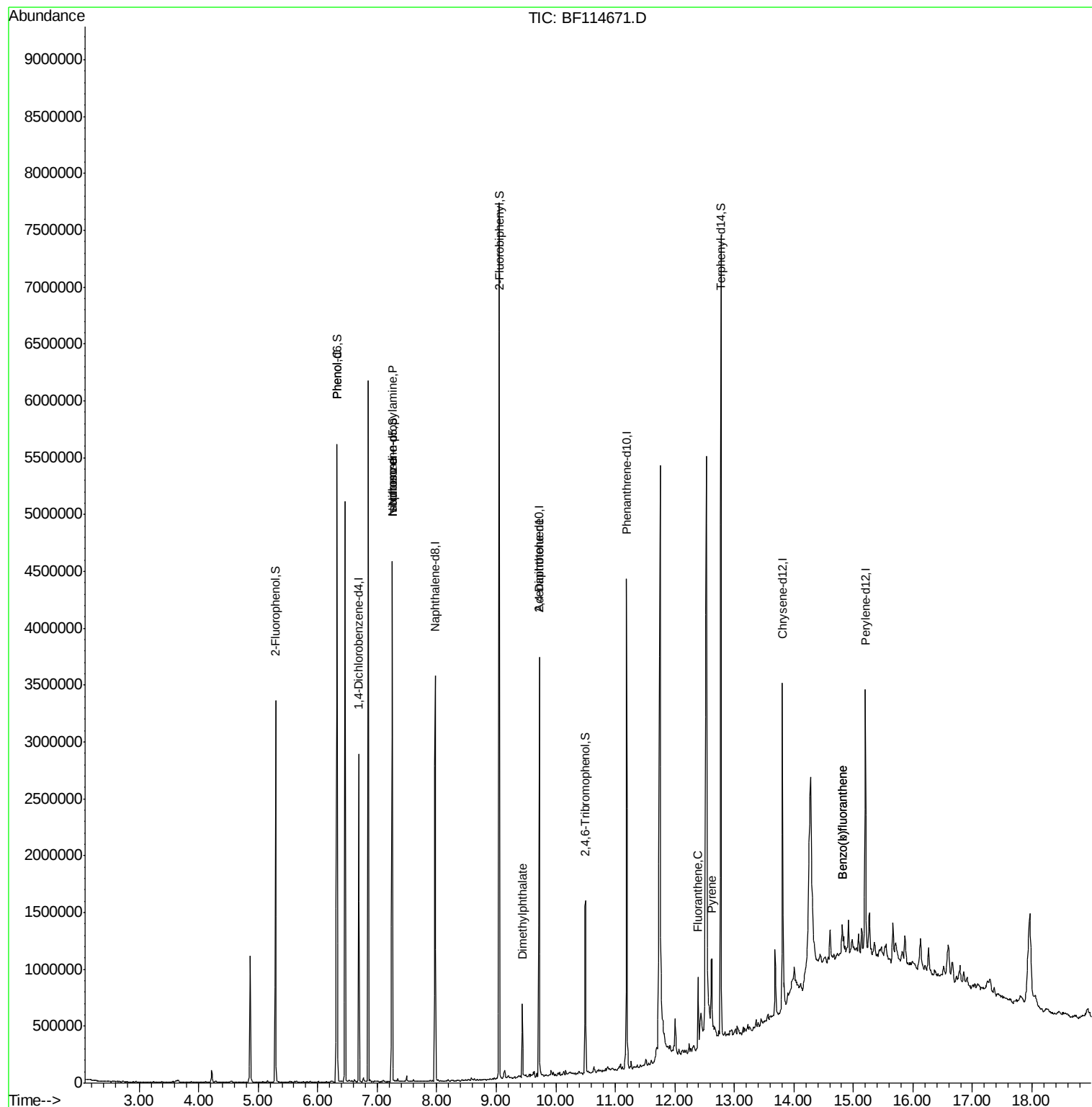
Target Compounds				Qvalue		
9) Benzaldehyde	6.23	77	1232	Below Cal	#	77
10) Phenol	6.33	94	75200	2.321 ng		96
19) n-Nitroso-di-n-propylamine	7.25	70	198622	10.727 ng	#	77
25) Isophorone	7.25	82	1409043	29.144 ng	#	63
50) Dimethylphthalate	9.44	163	220692	4.179 ng		98
57) 2,4-Dinitrotoluene	9.72	165	101378	6.438 ng	#	24
58) Fluorene	10.26	166	3568	Below Cal	#	92
61) 4-Chlorophenyl-phenylether	10.26	204	112	Below Cal	#	1
69) Atrazine	10.92	200	110	Below Cal	#	1
74) Di-n-butylphthalate	11.77	149	68454	Below Cal		98
75) Fluoranthene	12.39	202	217142	2.780 ng		98
78) Pvrene	12.62	202	242933	3.003 ng		95
88) Benzo(b)fluoranthene	14.81	252	172396	2.612 ng	#	90
89) Benzo(k)fluoranthene	14.81	252	172396	3.005 ng	#	91

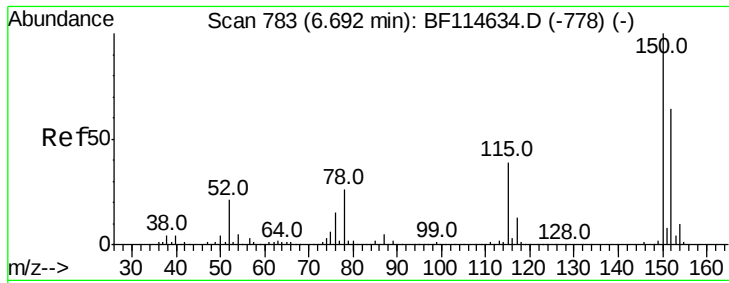
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
Data File : BF114671.D
Acq On : 30 May 2019 20:22
Operator : HP/JU
Sample : K3065-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 31 05:46:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration



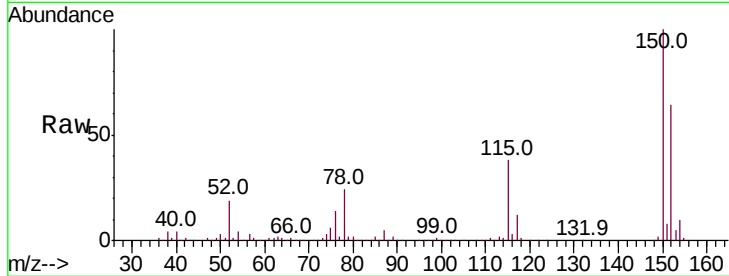


#1

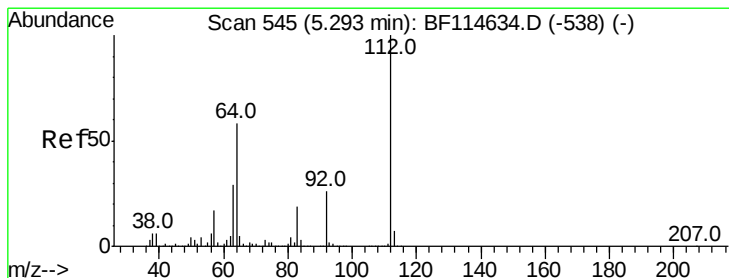
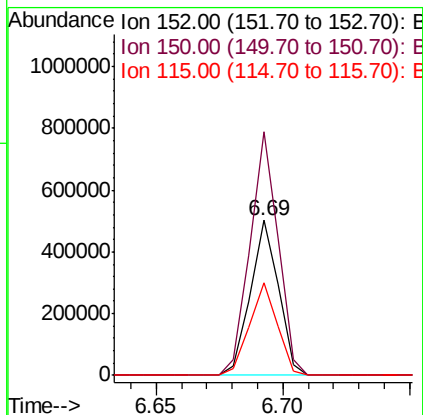
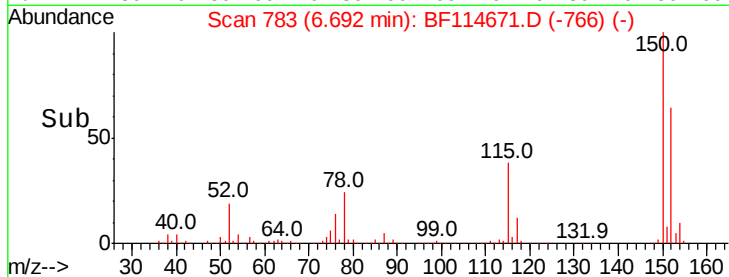
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF114671.D
Acq: 30 May 2019 20:22

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.4	186.6
115	59.5	48.7	73.1



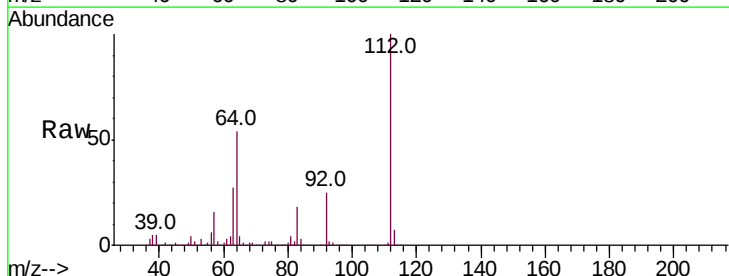
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



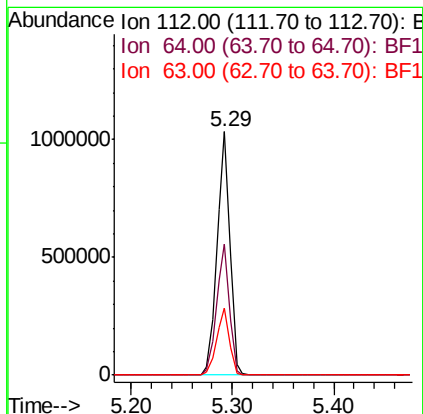
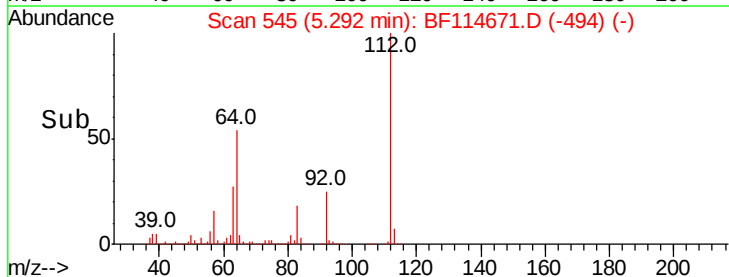
#5

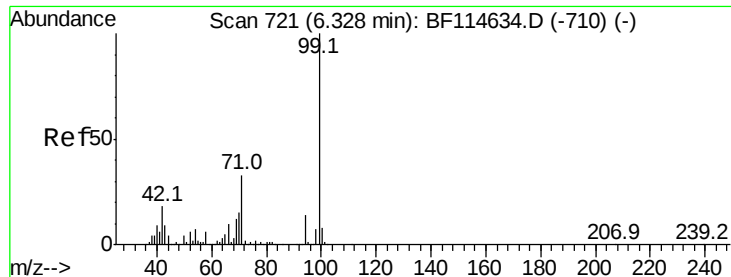
2-Fluorophenol
Concen: 40.853 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.00 min
Lab File: BF114671.D
Acq: 30 May 2019 20:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	46.1	69.1
63	27.4	23.4	35.2



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: 80.493 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF114671.D

Acq: 30 May 2019 20:22

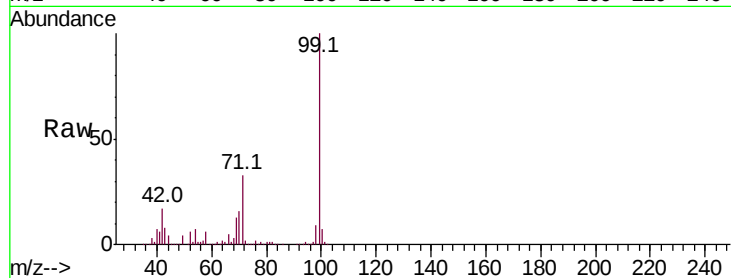
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 2159265

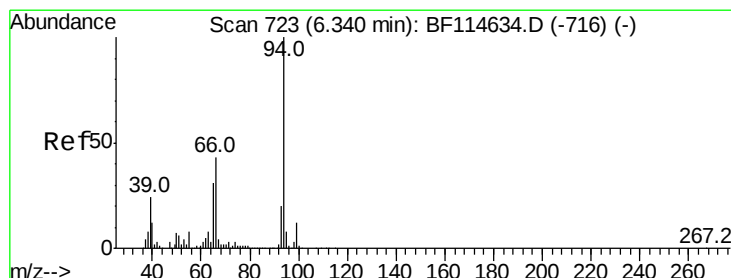
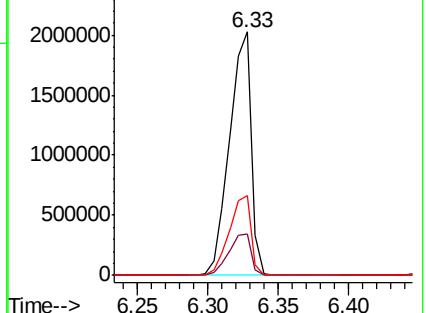
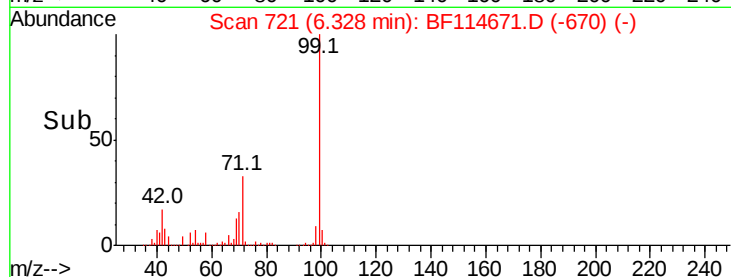
Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.7	22.1
71	33.0	26.6	40.0



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



#10

Phenol

Concen: 2.321 ng

RT: 6.33 min Scan# 722

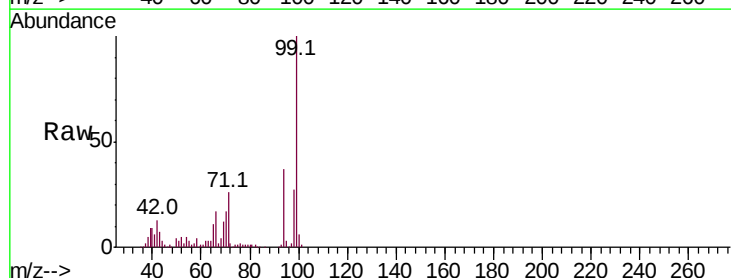
Delta R.T. -0.01 min

Lab File: BF114671.D

Acq: 30 May 2019 20:22

Tgt Ion: 94 Resp: 75200

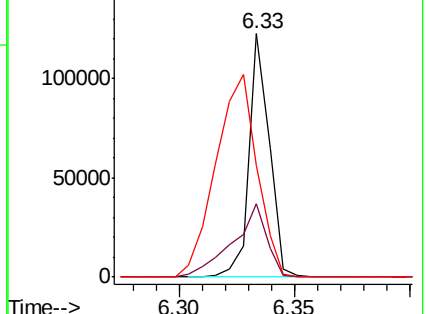
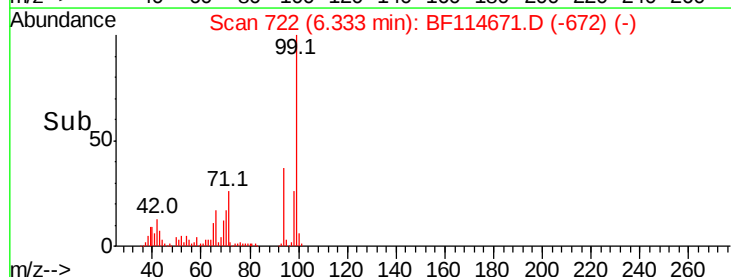
Ion	Ratio	Lower	Upper
94	100		
65	29.9	11.0	51.0
66	46.1	23.0	63.0

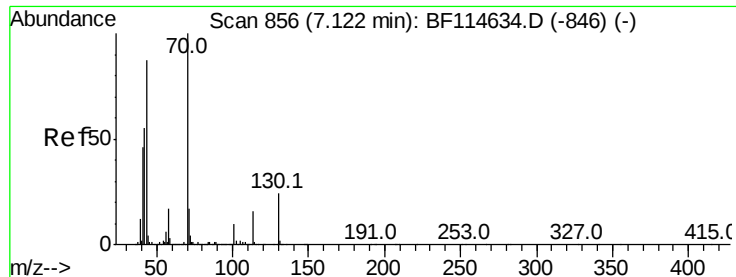


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 10.727 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.13 min

Lab File: BF114671.D

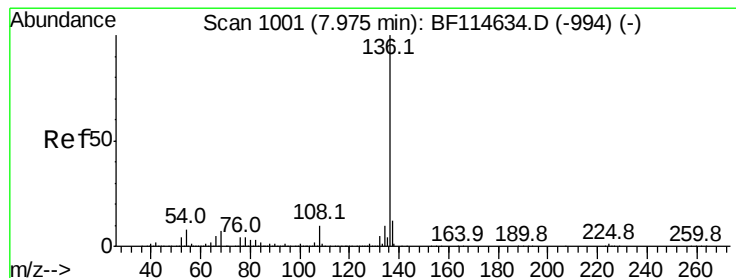
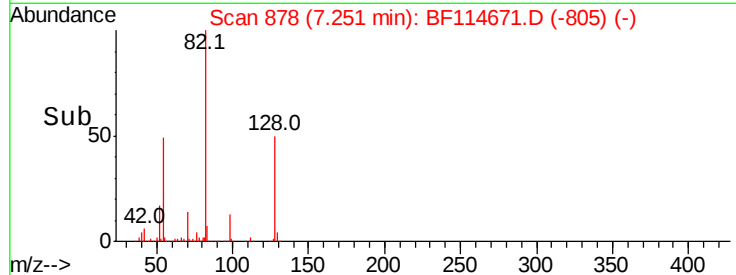
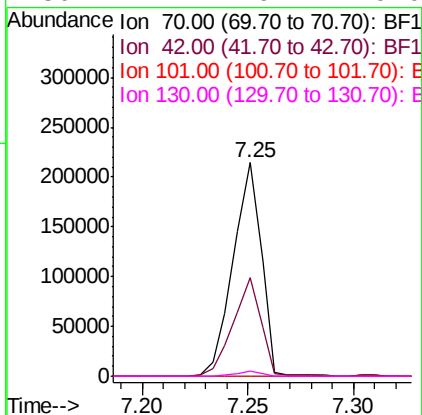
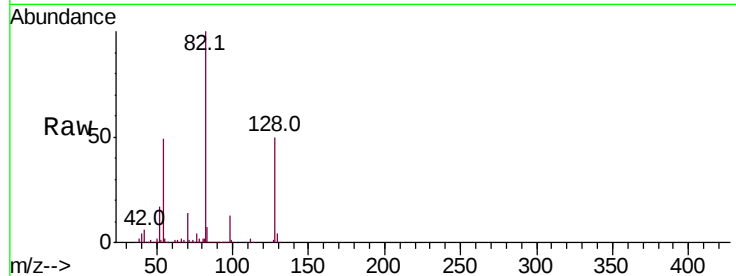
Acq: 30 May 2019 20:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	198622
Ion	Ratio	Lower	Upper
70	100		
42	46.0	44.4	66.6
101	0.0	8.2	12.4#
130	2.4	19.4	29.0#



#21

Naphthalene-d8

Concen: 20.000 ng

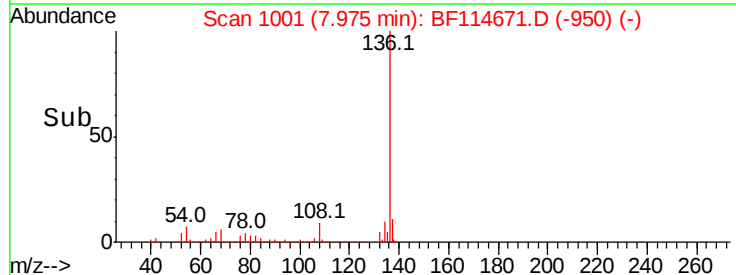
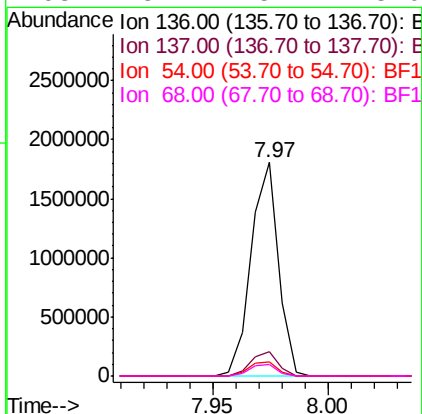
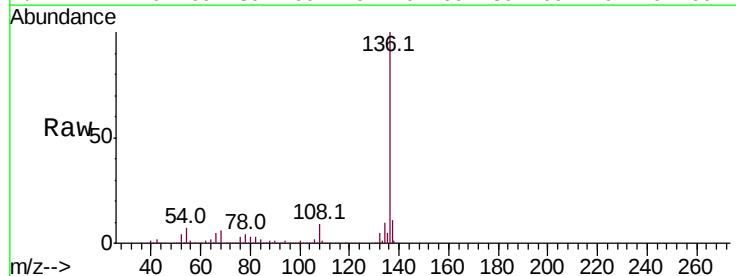
RT: 7.97 min Scan# 1001

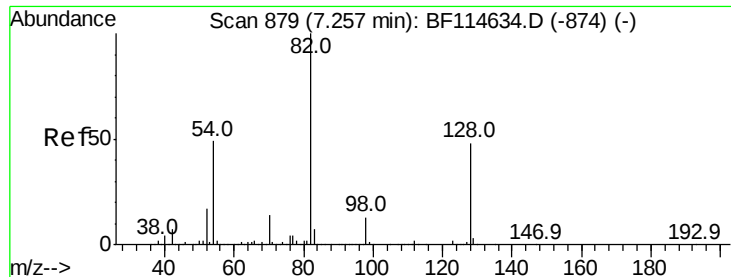
Delta R.T. -0.00 min

Lab File: BF114671.D

Acq: 30 May 2019 20:22

Tgt Ion:	136	Resp:	1503030
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	6.9	6.3	9.5
68	5.7	5.4	8.0





#23

Nitrobenzene-d5

Concen: 60.295 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF114671.D

Acq: 30 May 2019 20:22

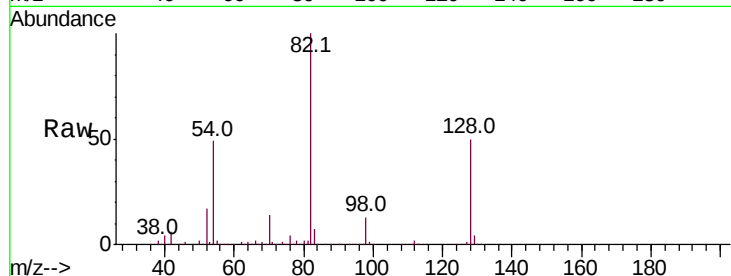
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 82 Resp: 1452577

Ion	Ratio	Lower	Upper
82	100		
128	49.6	38.5	57.7
54	48.6	39.1	58.7

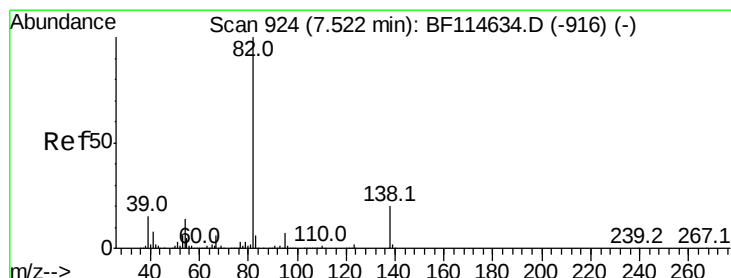
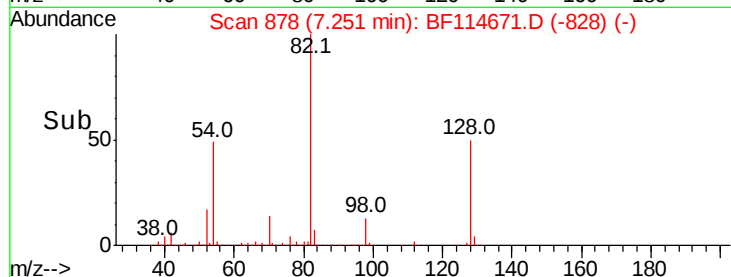
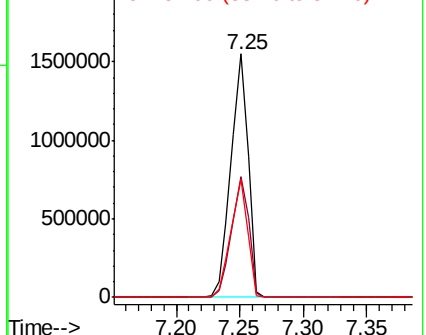


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 29.144 ng

RT: 7.25 min Scan# 878

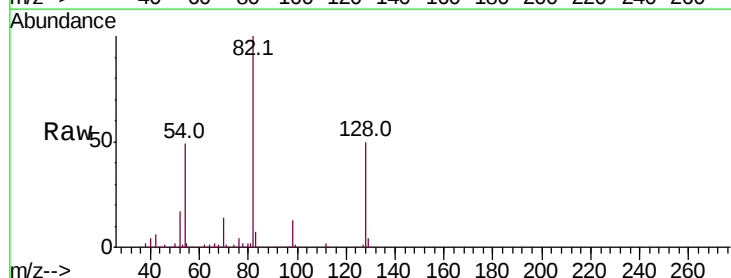
Delta R.T. -0.27 min

Lab File: BF114671.D

Acq: 30 May 2019 20:22

Tgt Ion: 82 Resp: 1409043

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	15.9	23.9#

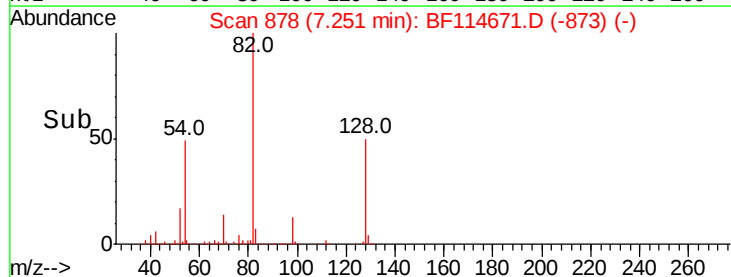
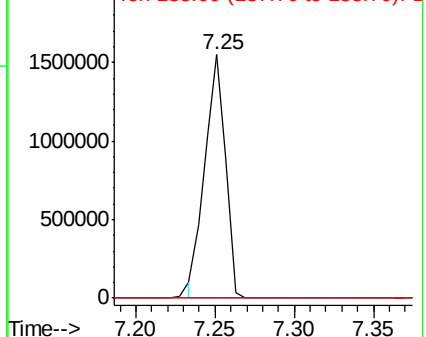


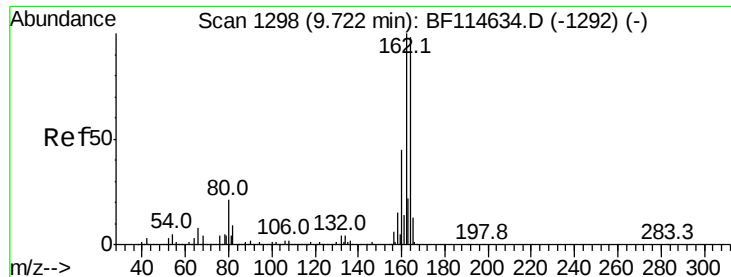
Abundance

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

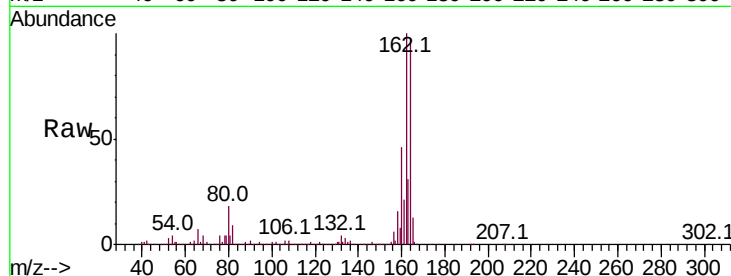




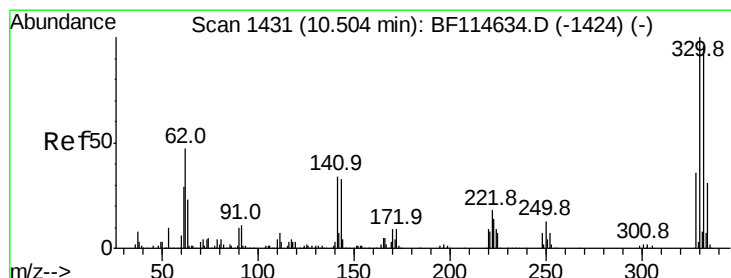
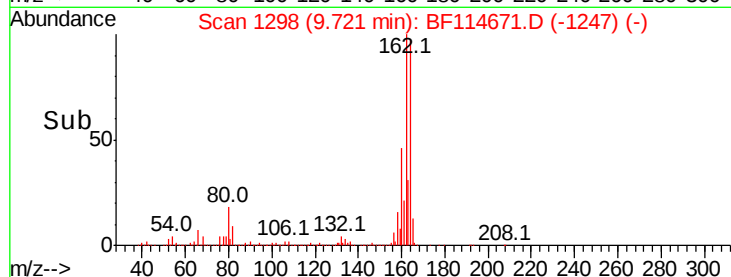
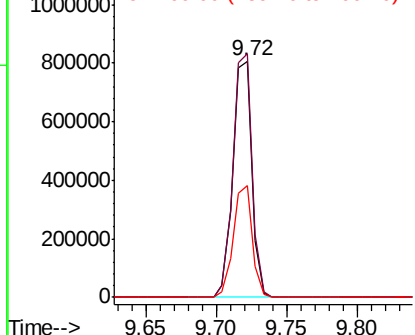
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF114671.D
Acq: 30 May 2019 20:22

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.4	122.2
160	47.6	36.6	54.8

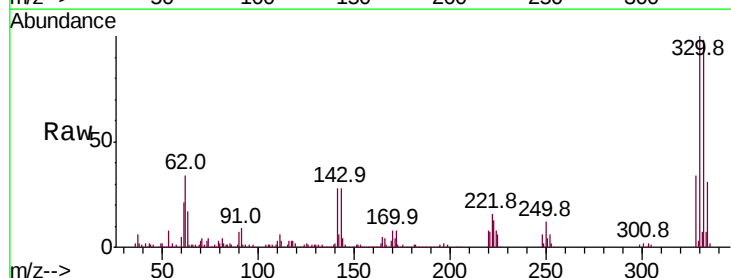


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

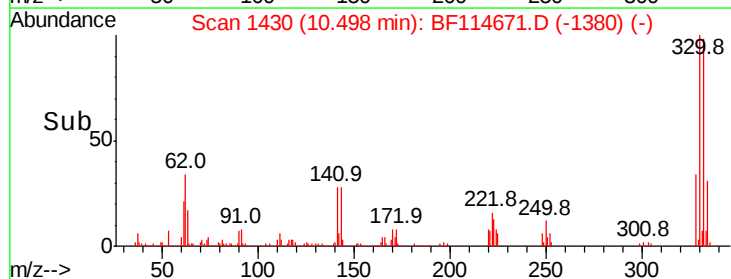
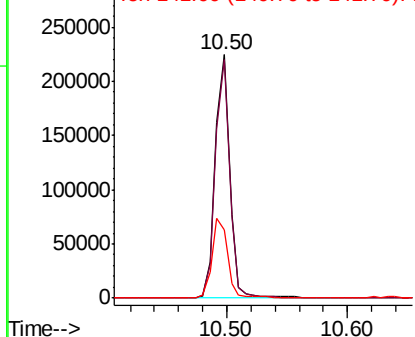


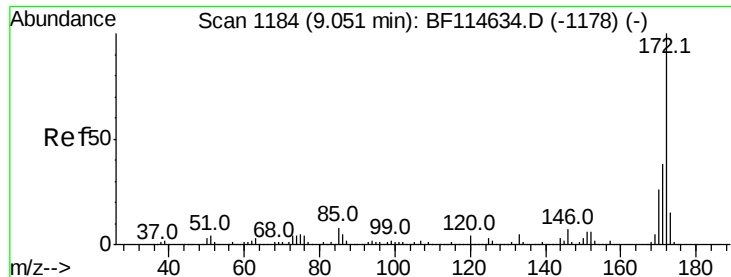
#42
2,4,6-Tribromophenol
Concen: 25.712 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BF114671.D
Acq: 30 May 2019 20:22

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	75.8	113.8
141	35.1	27.8	41.8



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

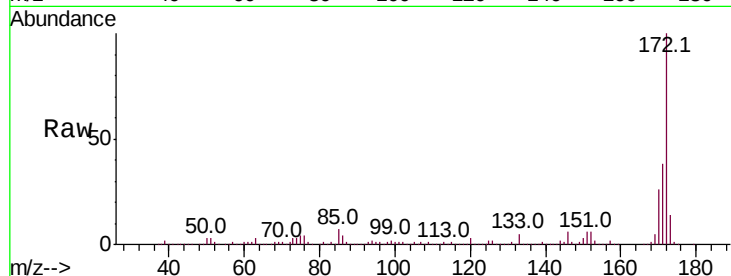




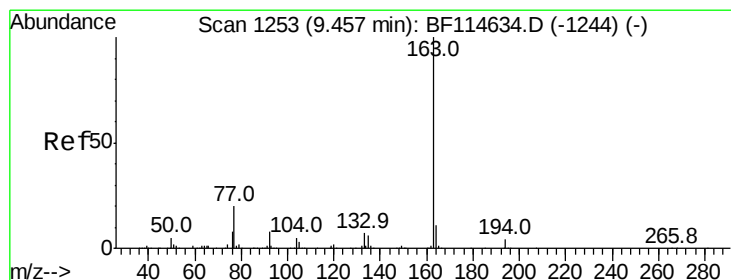
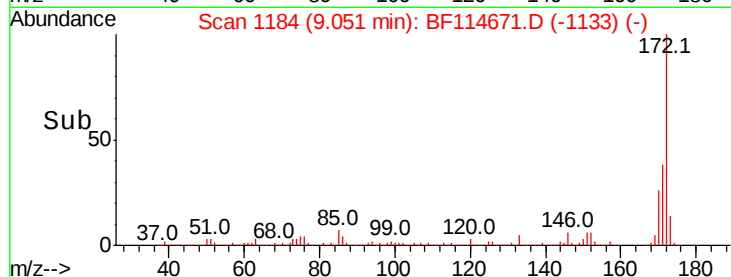
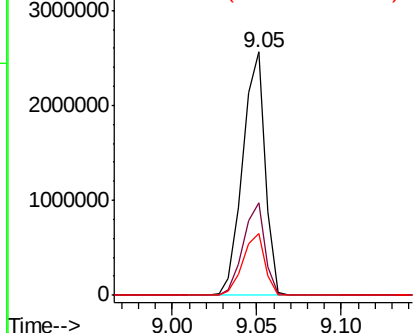
#45
2-Fluorobiphenyl
Concen: 53.131 ng
RT: 9.05 min Scan# 1184
Delta R.T. -0.00 min
Lab File: BF114671.D
Acq: 30 May 2019 20:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2385345
Ion Ratio Lower Upper
172 100
171 37.9 30.6 45.8
170 25.7 20.7 31.1

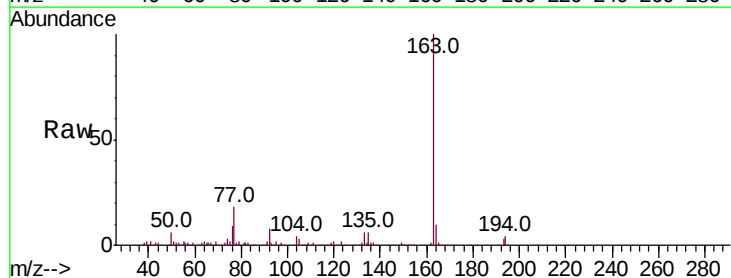


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

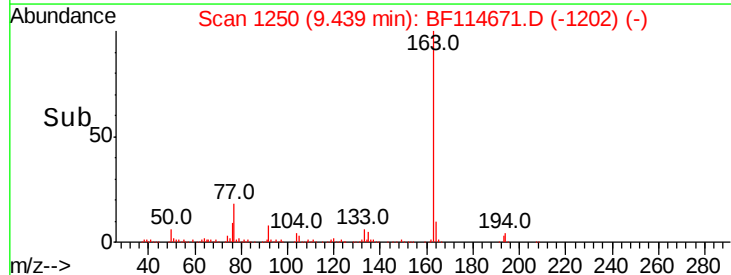
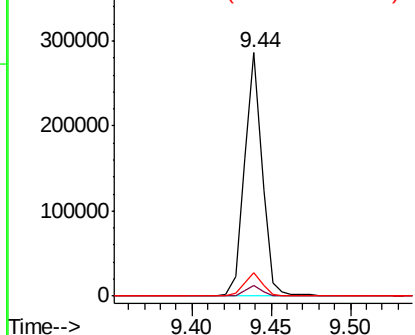


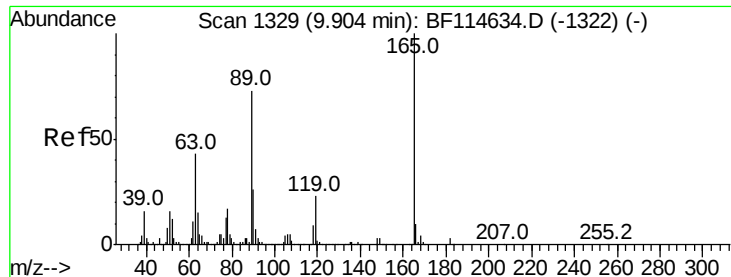
#50
Dimethylphthalate
Concen: 4.179 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF114671.D
Acq: 30 May 2019 20:22

Tgt Ion:163 Resp: 220692
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 9.6 8.6 13.0



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

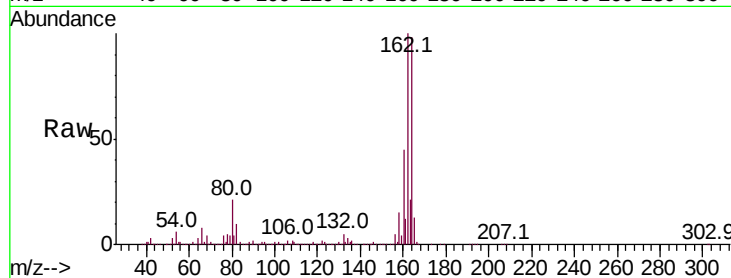




#57
 2,4-Dinitrotoluene
 Concen: 6.438 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.19 min
 Lab File: BF114671.D
 Acq: 30 May 2019 20:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.8	52.2#
89	1.6	58.5	87.7#
182	0.0	2.2	3.2#



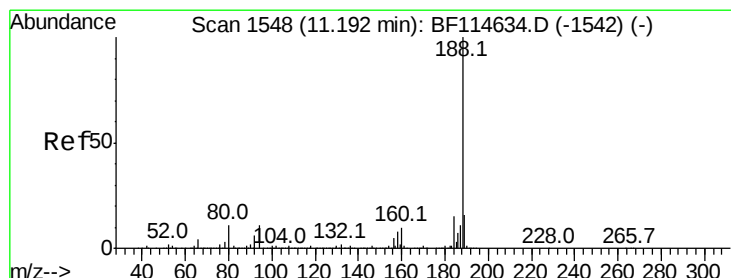
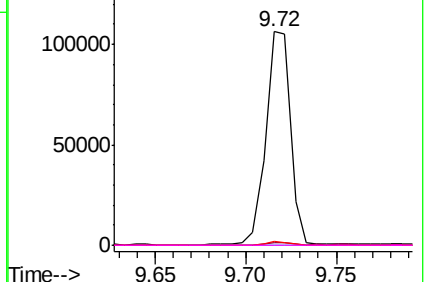
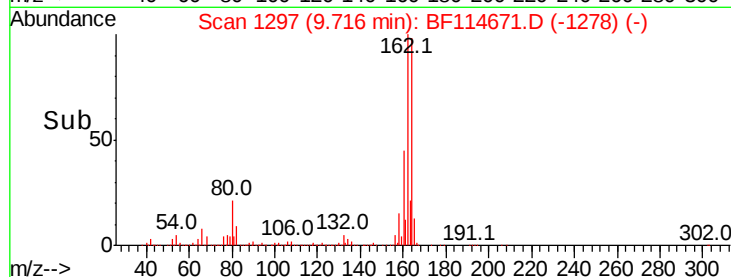
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

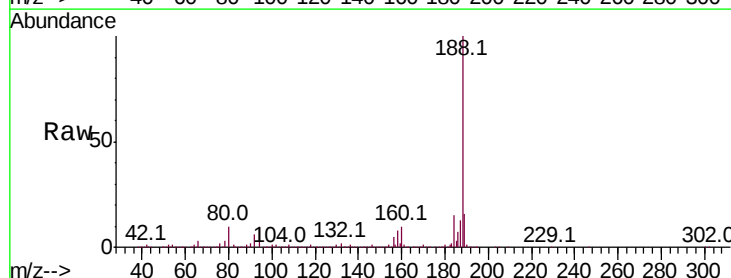
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.00 min
 Lab File: BF114671.D
 Acq: 30 May 2019 20:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.6	13.0
80	10.3	9.0	13.6

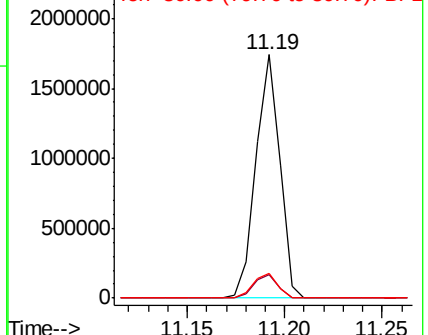
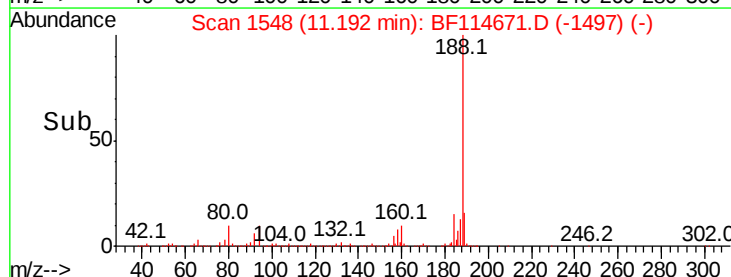


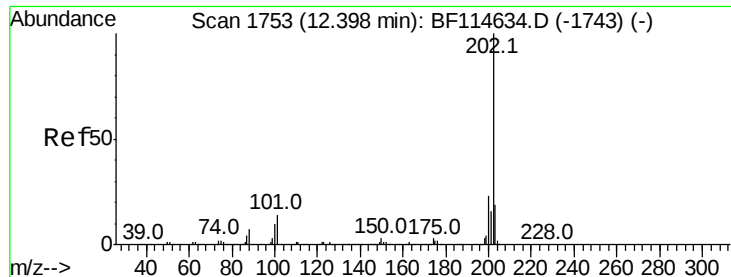
Abundance

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





#75

Fluoranthene

Concen: 2.780 ng

RT: 12.39 min Scan# 1752

Delta R.T. -0.01 min

Lab File: BF114671.D

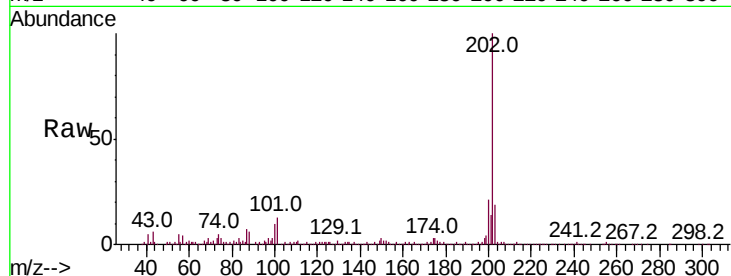
Acq: 30 May 2019 20:22

Instrument :

BNA_F

ClientSampleId :

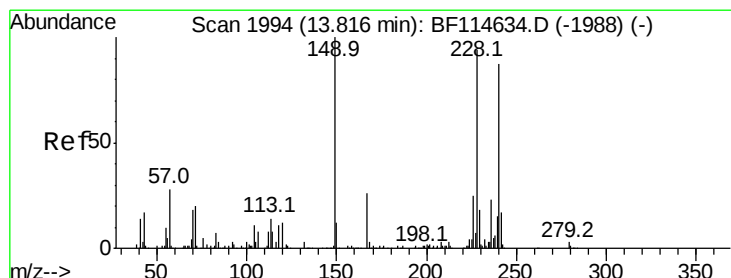
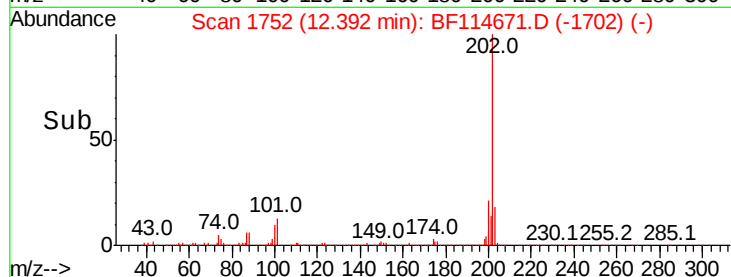
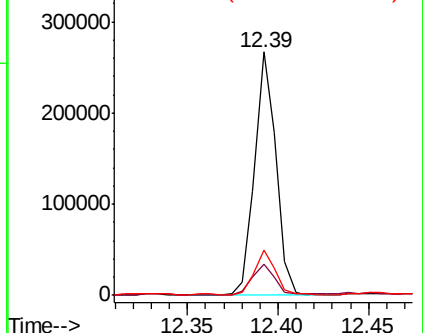
Tot Ion:	202	Resp:	217142
Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.9
203	18.6	0.0	39.1



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

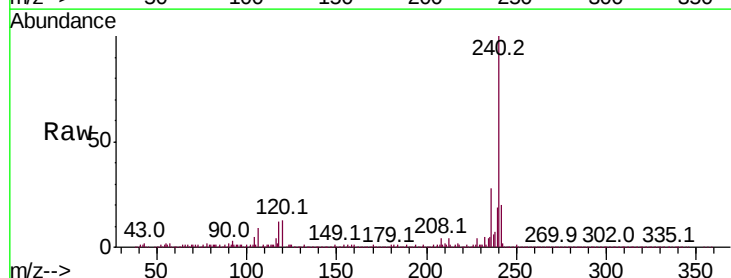
RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF114671.D

Acq: 30 May 2019 20:22

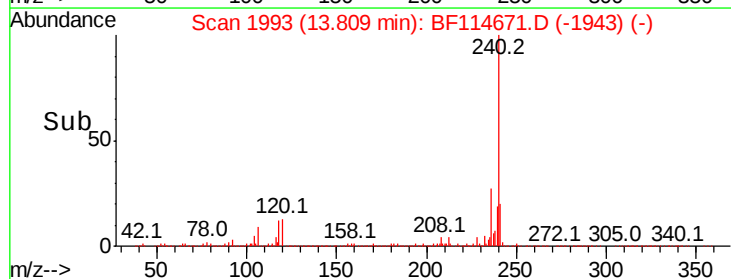
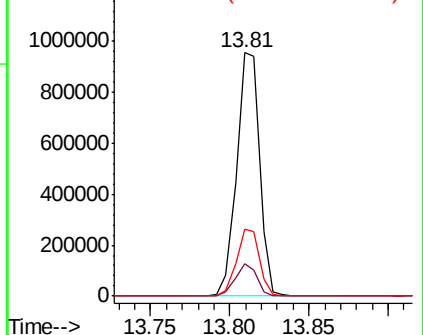
Tgt Ion:	240	Resp:	956415
Ion	Ratio	Lower	Upper
240	100		
120	13.4	11.2	16.8
236	27.5	21.2	31.8

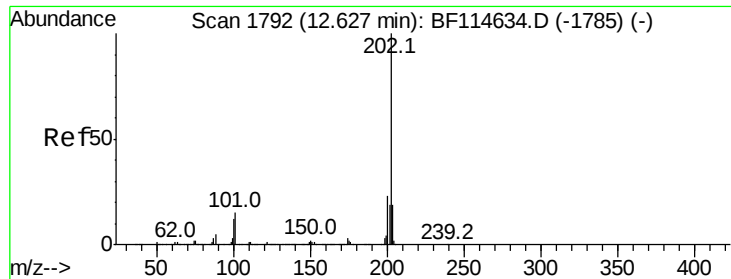


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

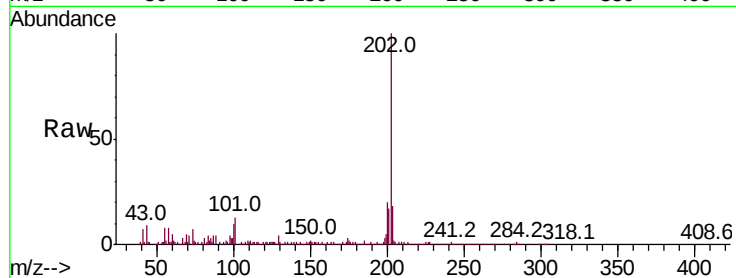




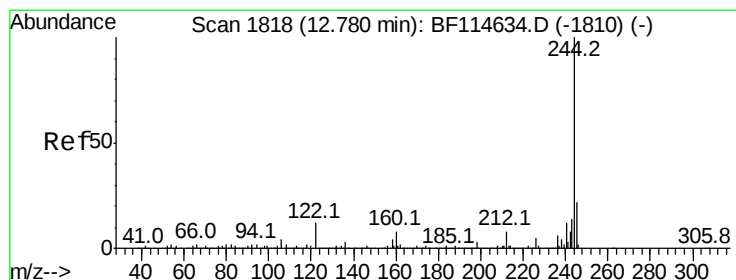
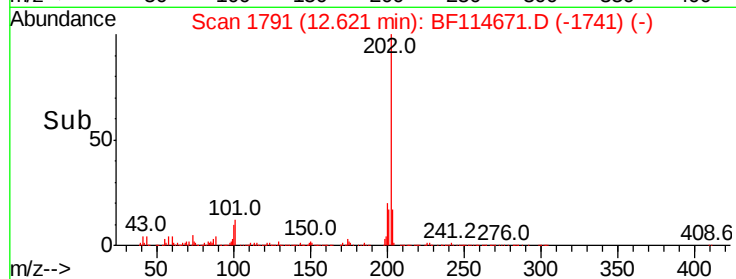
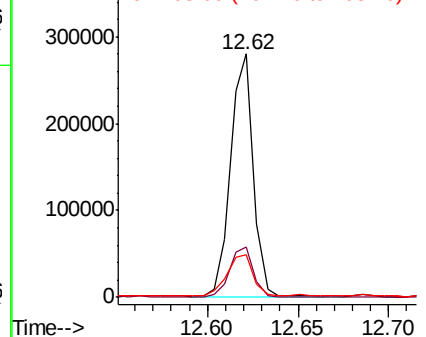
#78
Pvrene
Concen: 3.003 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF114671.D
Acq: 30 May 2019 20:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	18.6	28.0
203	17.6	15.4	23.2

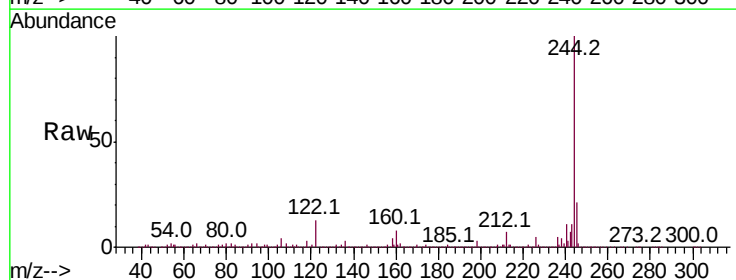


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

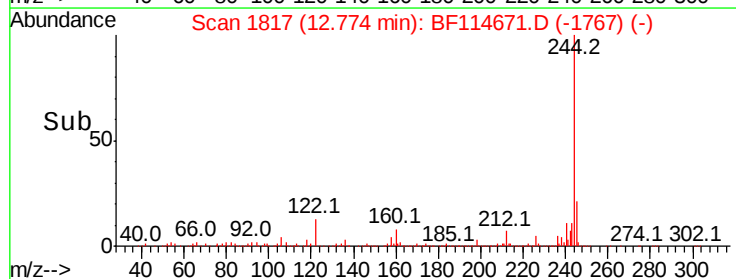
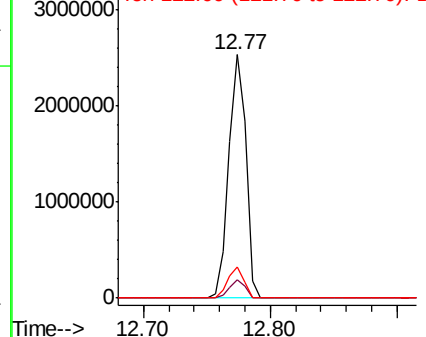


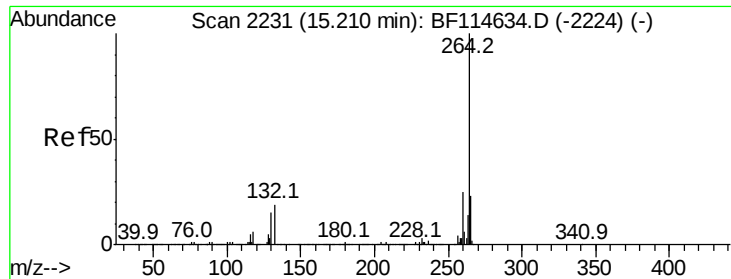
#79
Terphenyl-d14
Concen: 46.755 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF114671.D
Acq: 30 May 2019 20:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	12.6	9.8	14.8



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



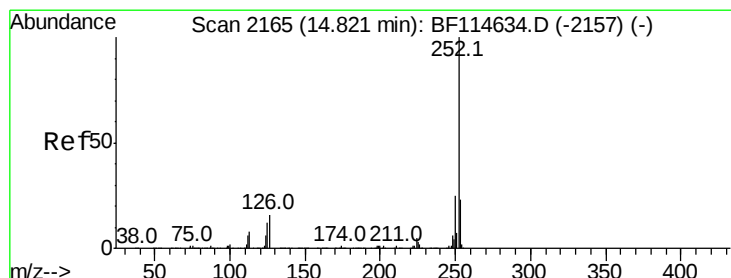
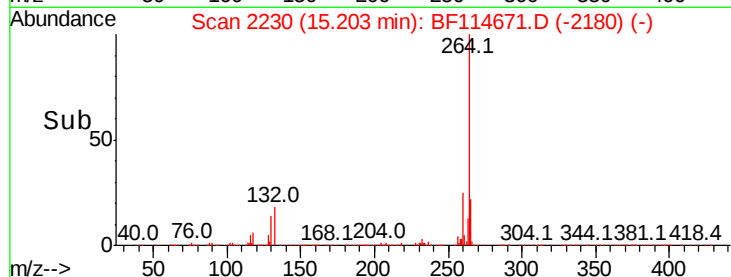
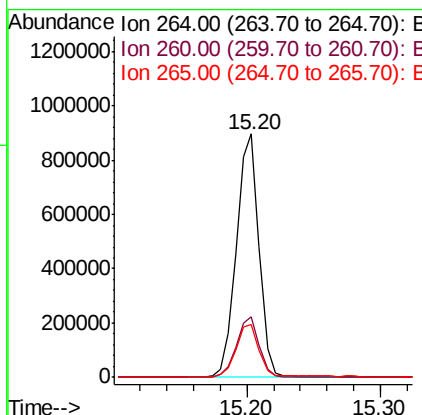
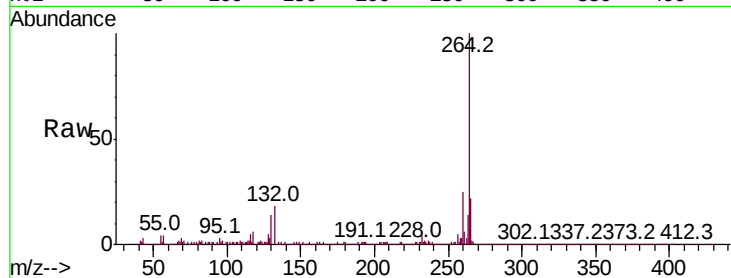


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF114671.D
Acq: 30 May 2019 20:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 1048003

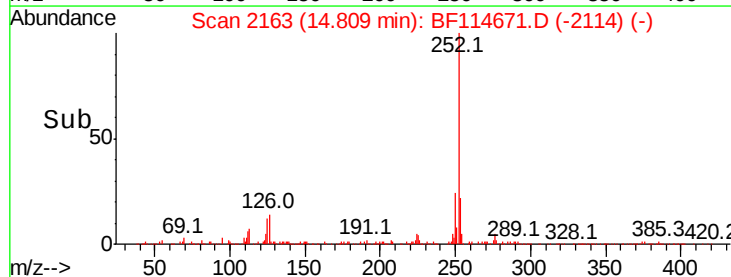
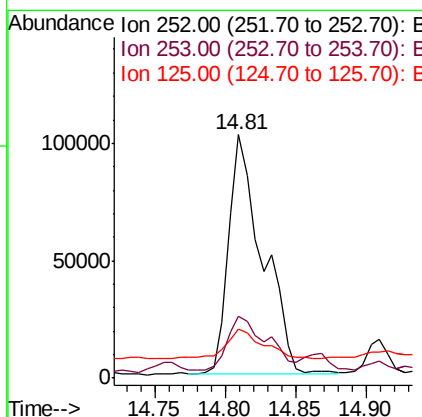
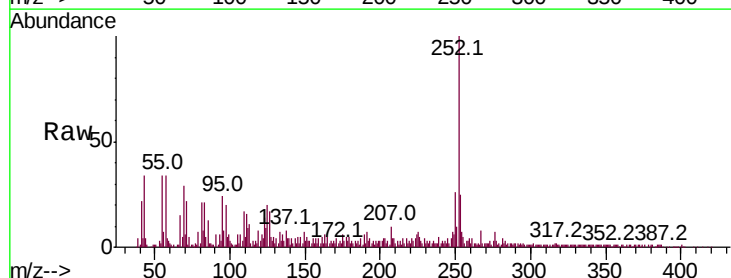
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	21.7	18.1	27.1

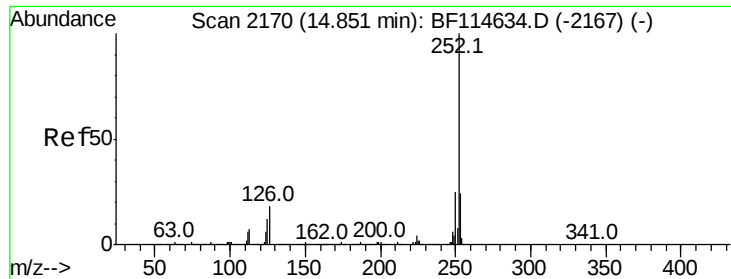


#88
Benzo(b)fluoranthene
Concen: 2.612 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF114671.D
Acq: 30 May 2019 20:22

Tgt Ion:252 Resp: 172396

Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.7	28.1
125	20.1	9.4	14.2#





#89

Benzo(k)fluoranthene

Concen: 3.005 ng

RT: 14.81 min Scan# 2163

Delta R.T. -0.04 min

Lab File: BF114671.D

Acq: 30 May 2019 20:22

Instrument :

BNA_F

ClientSampleId :

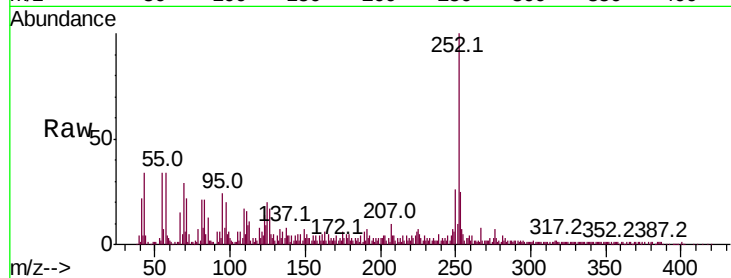
Tot Ion:252 Resp: 172396

Ion Ratio Lower Upper

252 100

253 25.2 18.9 28.3

125 20.1 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

