

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114675.D
 Acq On : 30 May 2019 22:08
 Operator : HP/JU
 Sample : K3065-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 05:47:09 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	434206	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1588080	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	725960	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1201818	20.00	ng	0.00
76) Chrysene-d12	13.82	240	853991	20.00	ng	0.00
87) Perylene-d12	15.21	264	666257	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	2225683	90.00	ng	0.01
7) Phenol-d6	6.33	99	2709820	90.93	ng	0.00
23) Nitrobenzene-d5	7.25	82	1676280	65.85	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	537050	77.64	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	2494228	59.80	ng	0.00
79) Terphenyl-d14	12.77	244	2041047	44.94	ng	0.00

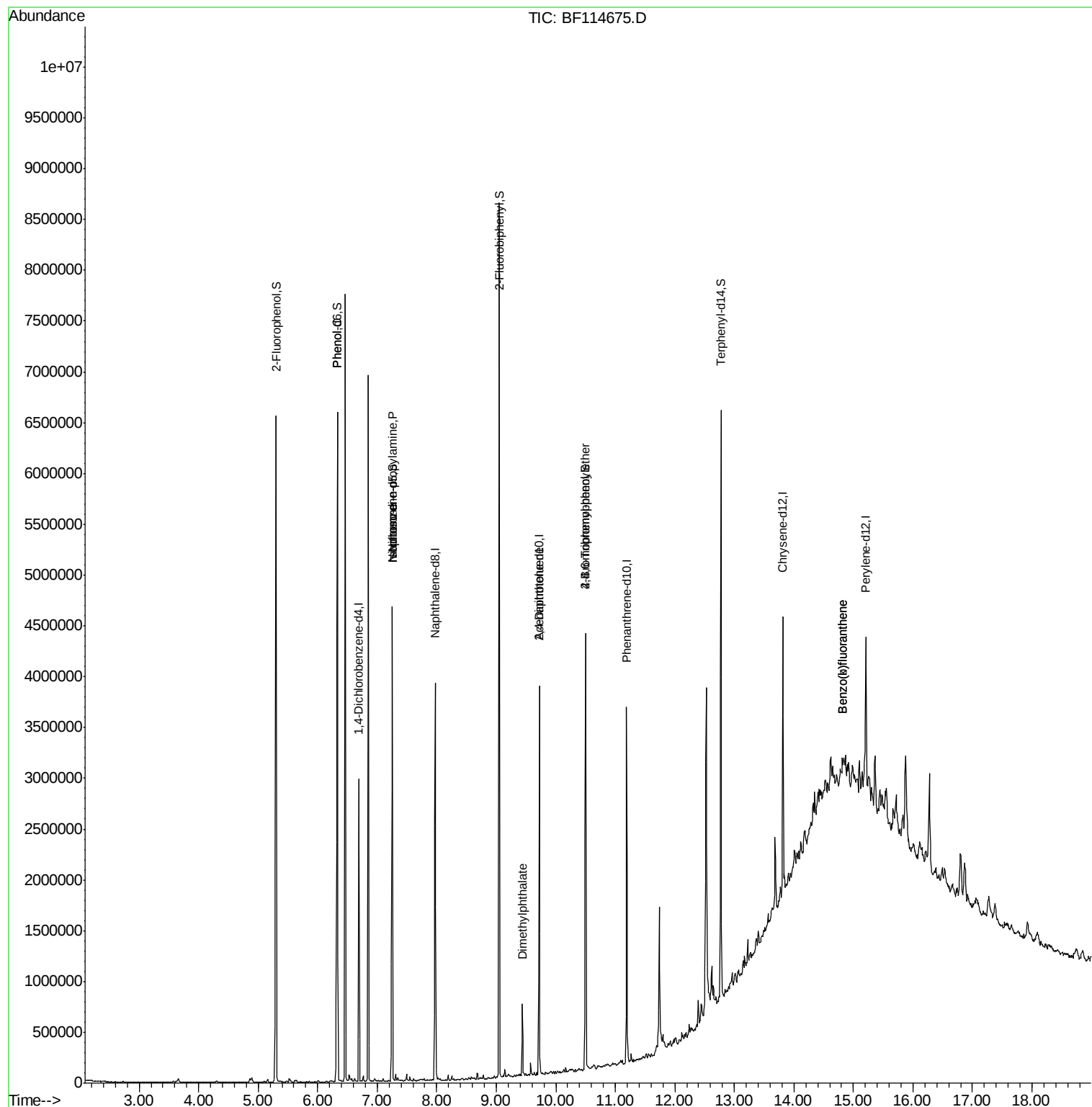
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.23	77	1884	Below Cal	#	1
10) Phenol	6.34	94	85729	2.381 ng	#	94
19) n-Nitroso-di-n-propylamine	7.25	70	227308	11.050 ng	#	76
25) Isophorone	7.25	82	1641152	32.127 ng	#	63
50) Dimethylphthalate	9.44	163	237576	4.696 ng	#	99
57) 2,4-Dinitrotoluene	9.72	165	96303	6.384 ng	#	24
58) Fluorene	10.26	166	6812	Below Cal	#	69
61) 4-Chlorophenyl-phenylether	10.25	204	119	Below Cal	#	1
67) 4-Bromophenyl-phenylether	10.50	248	34491	2.676 ng	#	1
69) Atrazine	10.87	200	257	Below Cal	#	1
74) Di-n-butylphthalate	11.76	149	5833	Below Cal	#	63
88) Benzo(b)fluoranthene	14.82	252	130555	3.111 ng	#	62
89) Benzo(k)fluoranthene	14.82	252	130555	3.579 ng	#	62

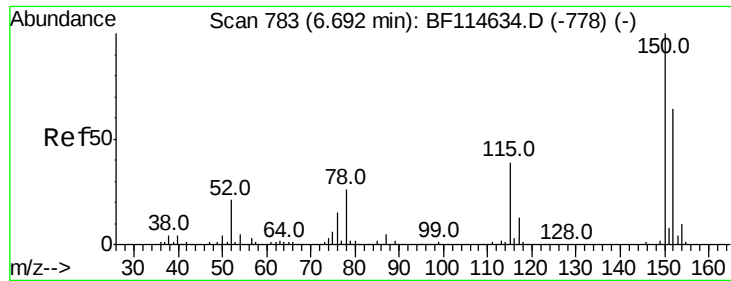
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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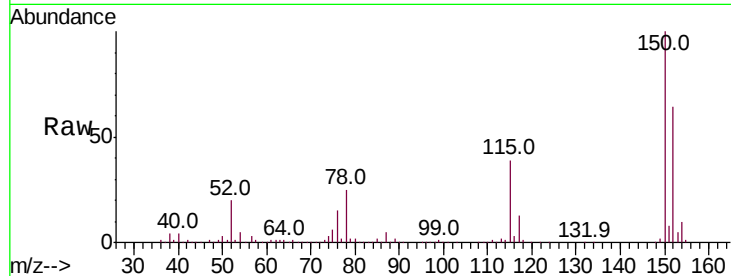


#1

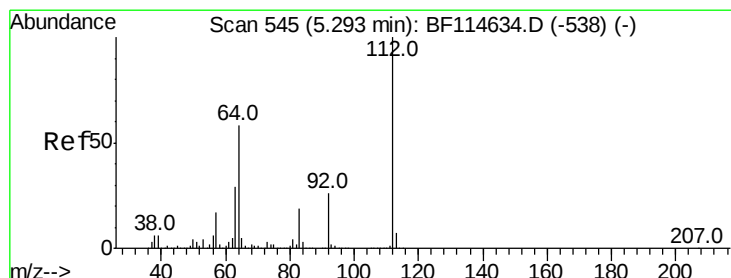
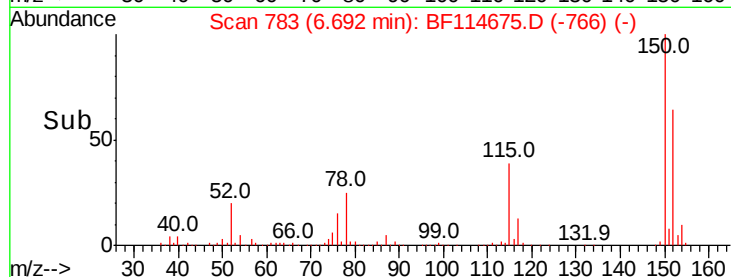
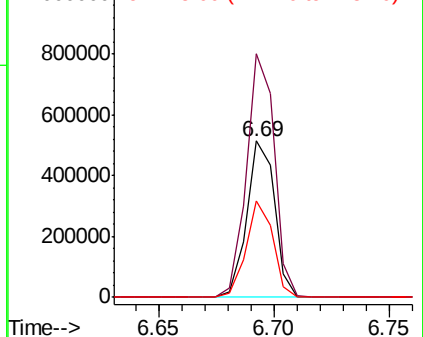
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF114675.D
Acq: 30 May 2019 22:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 434206
Ion Ratio Lower Upper
152 100
150 156.1 124.4 186.6
115 61.4 48.7 73.1



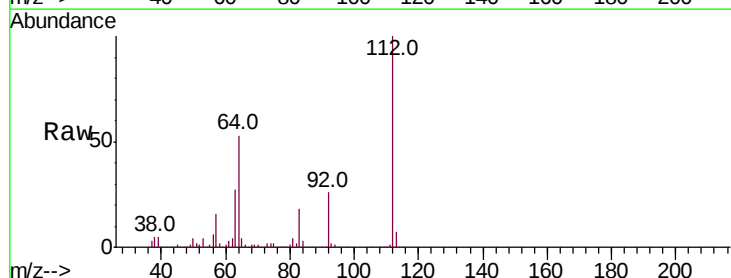
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



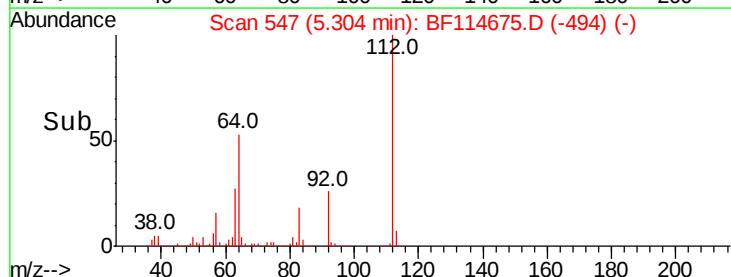
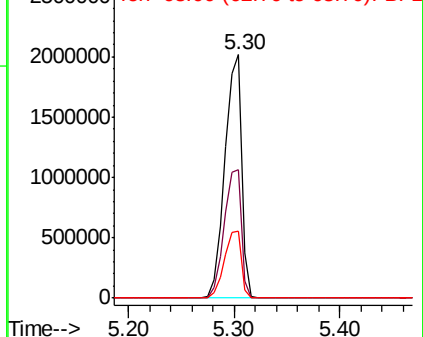
#5

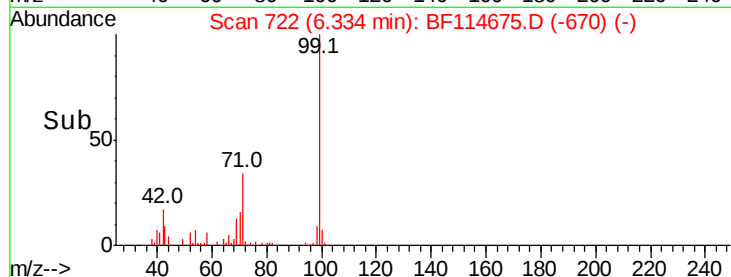
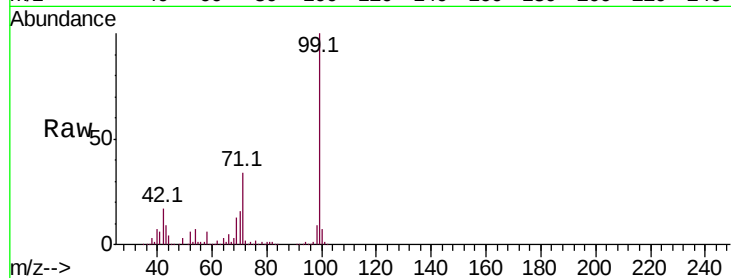
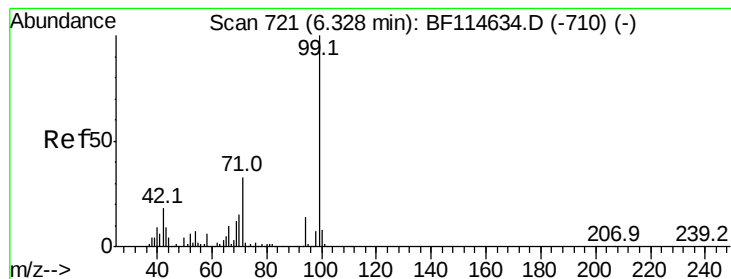
2-Fluorophenol
Concen: 89.995 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF114675.D
Acq: 30 May 2019 22:08

Tgt Ion:112 Resp: 2225683
Ion Ratio Lower Upper
112 100
64 53.0 46.1 69.1
63 27.3 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: 90.928 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114675.D

Acq: 30 May 2019 22:08

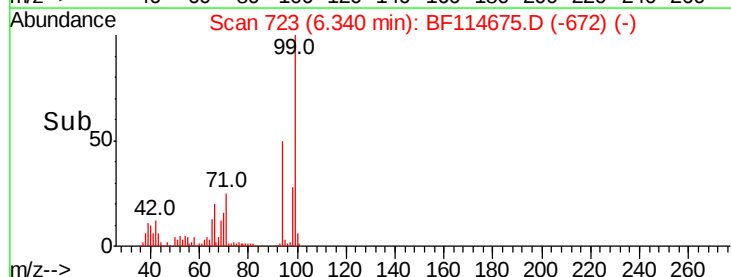
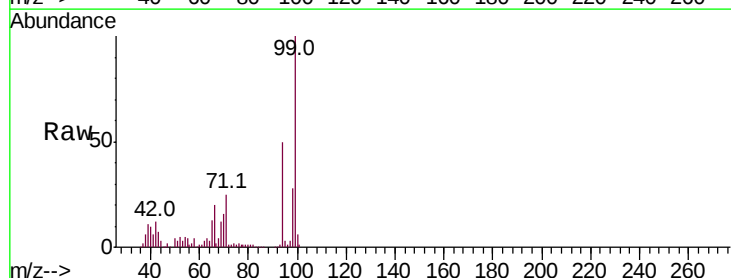
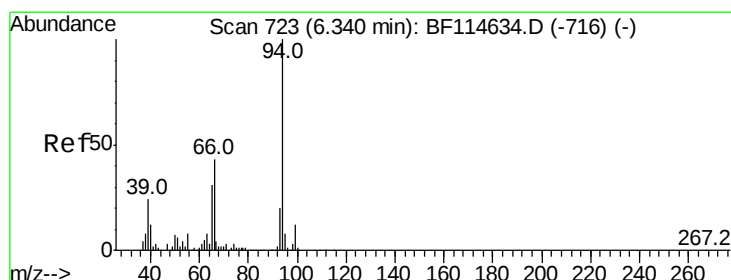
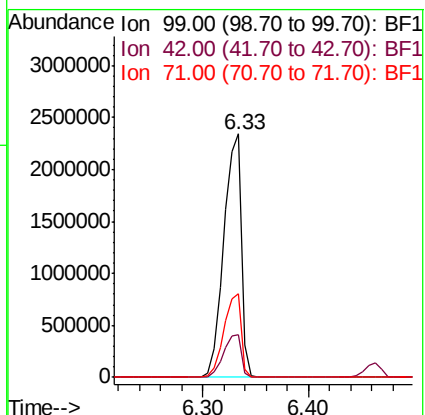
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 2709820

Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.7	22.1
71	34.2	26.6	40.0



#10

Phenol

Concen: 2.381 ng

RT: 6.34 min Scan# 723

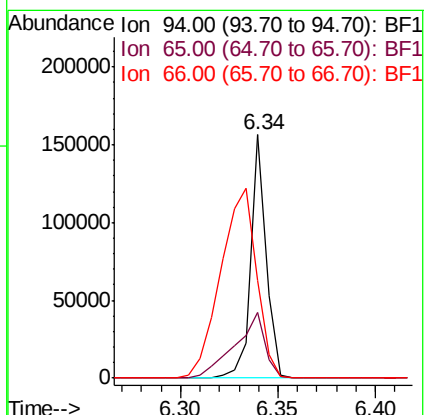
Delta R.T. 0.00 min

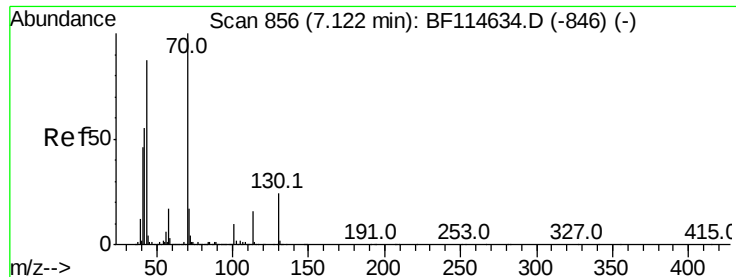
Lab File: BF114675.D

Acq: 30 May 2019 22:08

Tgt Ion: 94 Resp: 85729

Ion	Ratio	Lower	Upper
94	100		
65	26.8	11.0	51.0
66	40.0	23.0	63.0





#19

n-Nitroso-di-n-propylamine

Concen: 11.050 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.13 min

Lab File: BF114675.D

Acq: 30 May 2019 22:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 227308

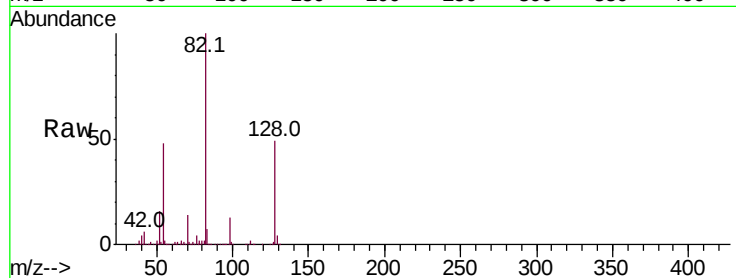
Ion Ratio Lower Upper

70 100

42 44.8 44.4 66.6

101 0.0 8.2 12.4#

130 2.2 19.4 29.0#

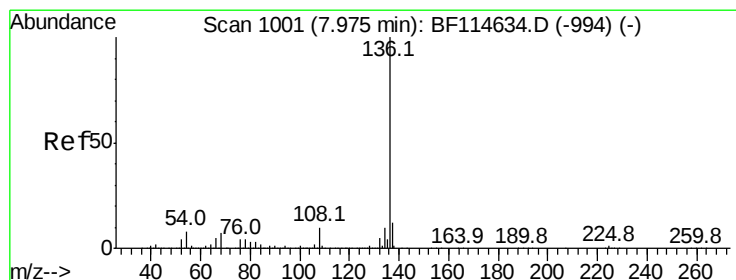
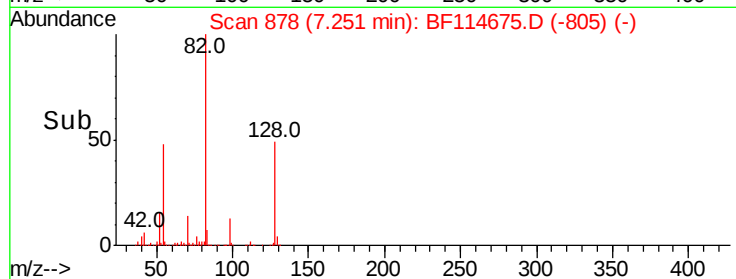
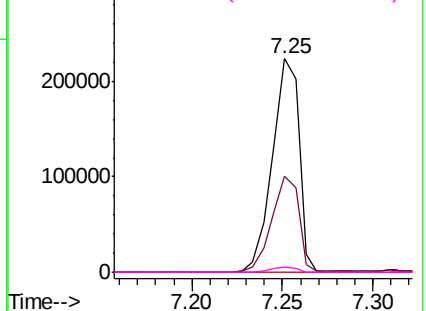


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.97 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF114675.D

Acq: 30 May 2019 22:08

Tgt Ion: 136 Resp: 1588080

Ion Ratio Lower Upper

136 100

137 11.8 9.3 13.9

54 7.1 6.3 9.5

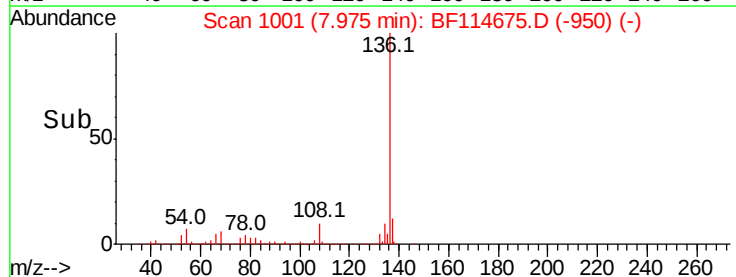
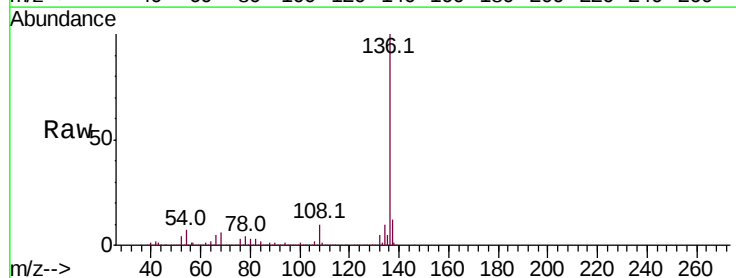
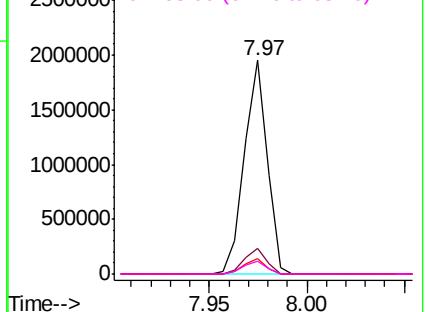
68 6.0 5.4 8.0

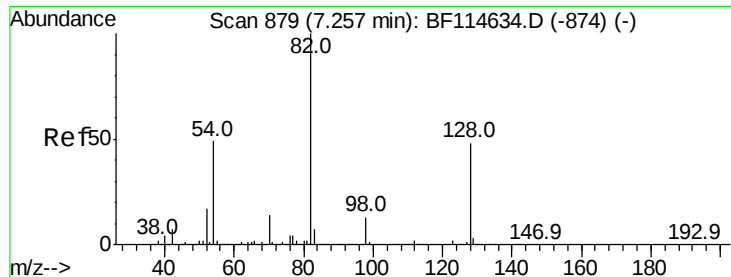
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

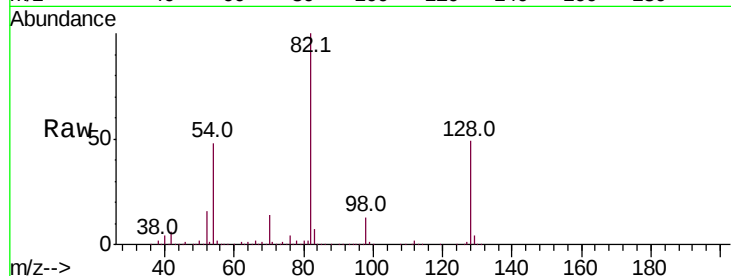




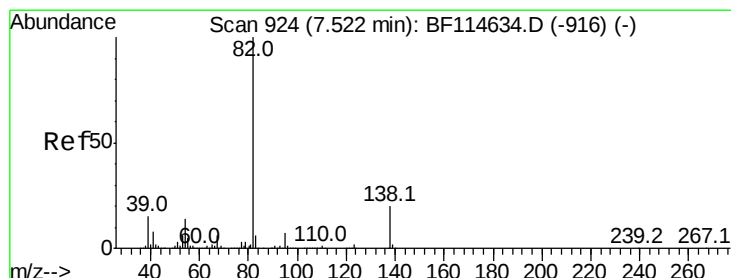
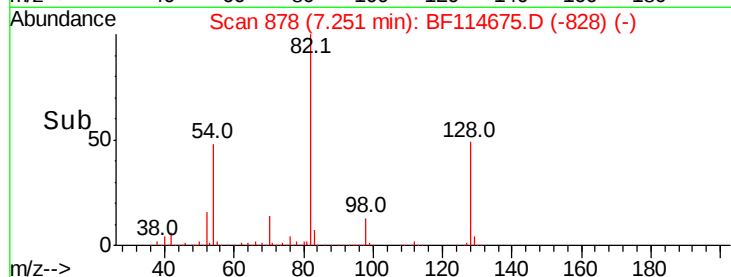
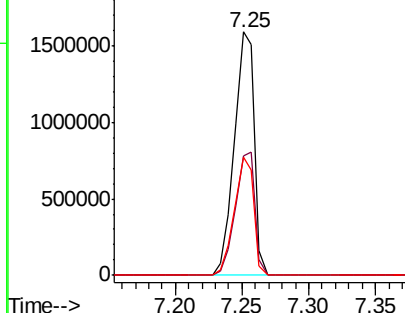
#23
Nitrobenzene-d5
Concen: 65.854 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF114675.D
Acq: 30 May 2019 22:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1676280
Ion Ratio Lower Upper
82 100
128 49.0 38.5 57.7
54 48.3 39.1 58.7

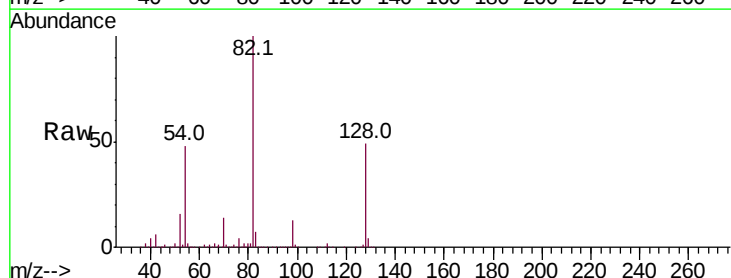


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

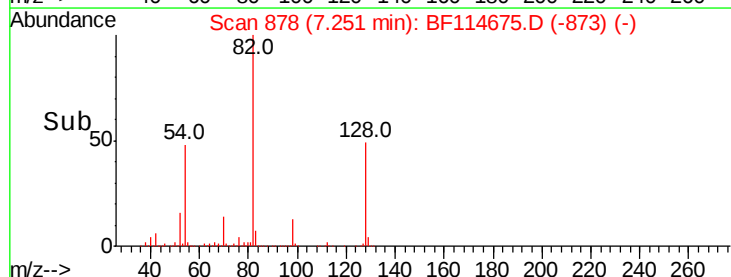
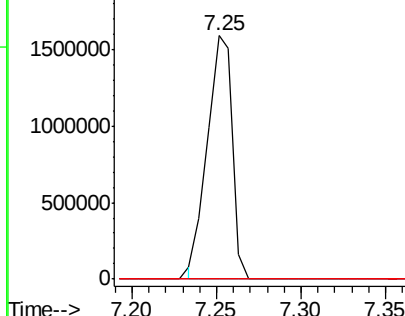


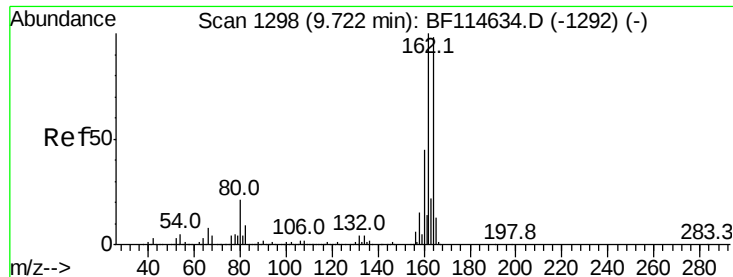
#25
Isophorone
Concen: 32.127 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.27 min
Lab File: BF114675.D
Acq: 30 May 2019 22:08

Tgt Ion: 82 Resp: 1641152
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

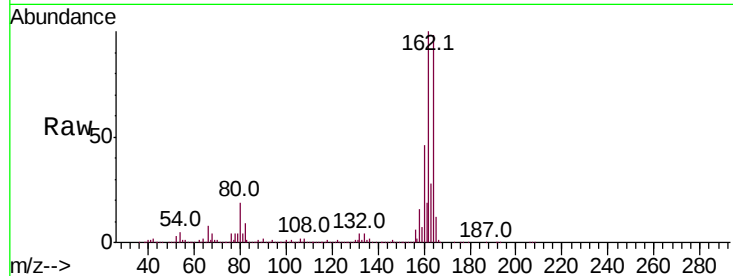




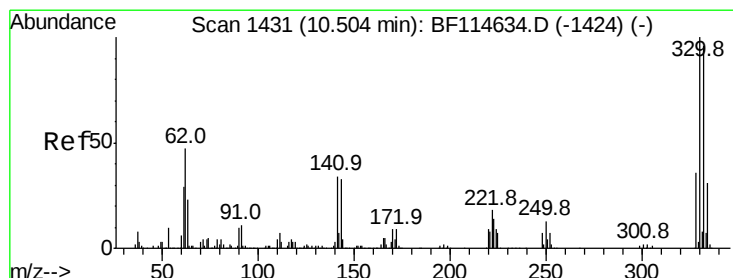
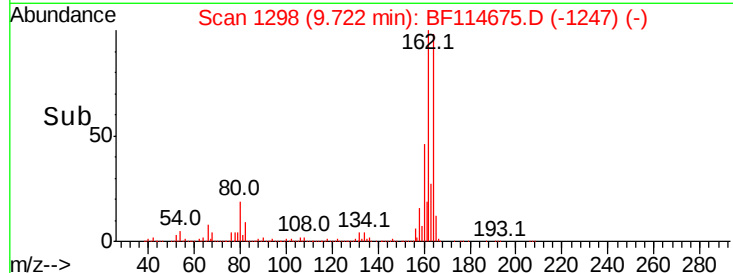
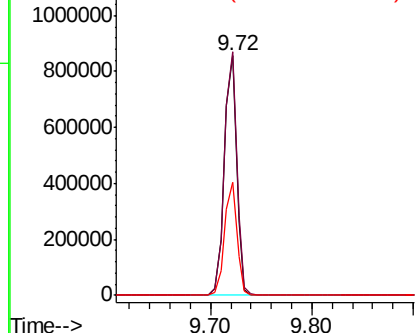
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BF114675.D
Acq: 30 May 2019 22:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 725960
Ion Ratio Lower Upper
164 100
162 101.6 81.4 122.2
160 47.0 36.6 54.8

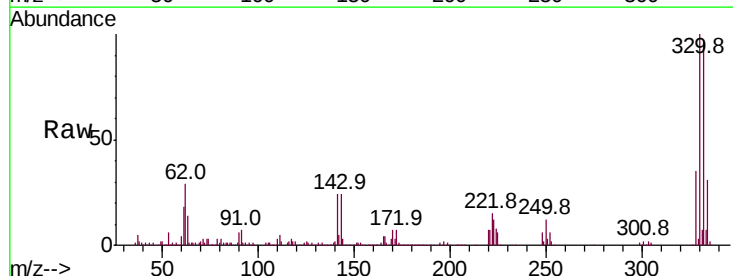


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

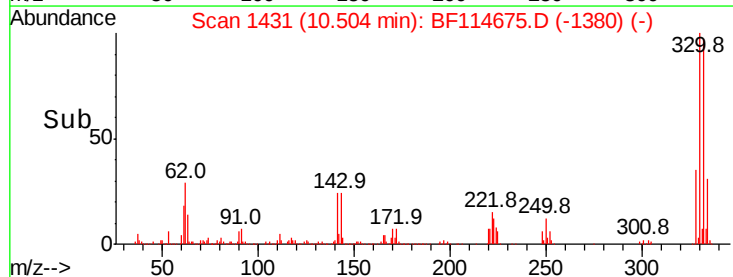
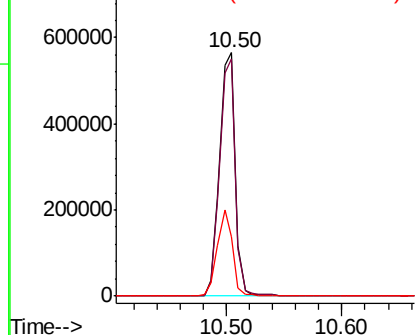


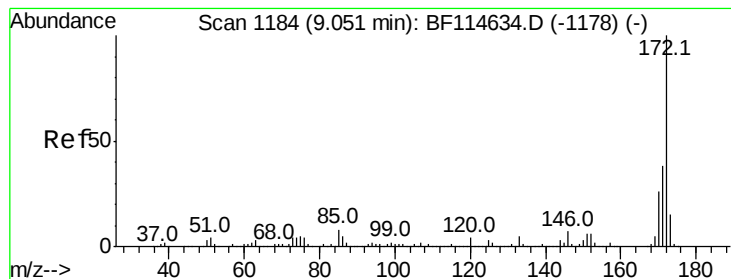
#42
2,4,6-Tribromophenol
Concen: 77.639 ng
RT: 10.50 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BF114675.D
Acq: 30 May 2019 22:08

Tgt Ion:330 Resp: 537050
Ion Ratio Lower Upper
330 100
332 96.7 75.8 113.8
141 33.6 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: 59.795 ng

RT: 9.05 min Scan# 1184

Delta R.T. 0.00 min

Lab File: BF114675.D

Acq: 30 May 2019 22:08

Instrument :

BNA_F

ClientSampleId :

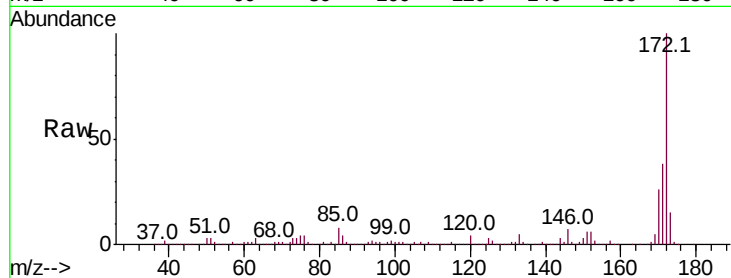
Tot Ion:172 Resp: 2494228

Ion Ratio Lower Upper

172 100

171 38.2 30.6 45.8

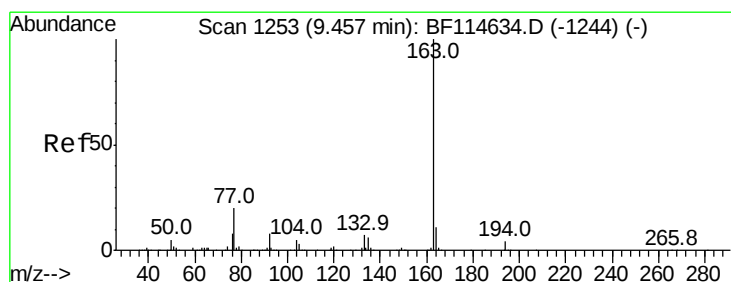
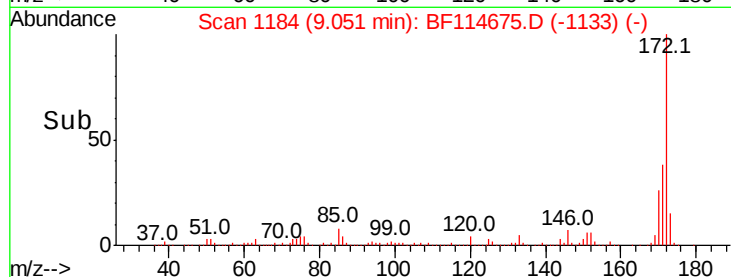
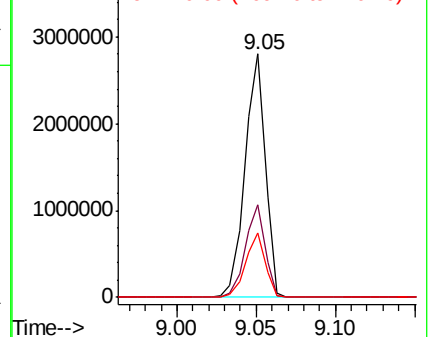
170 26.4 20.7 31.1



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: 4.696 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.02 min

Lab File: BF114675.D

Acq: 30 May 2019 22:08

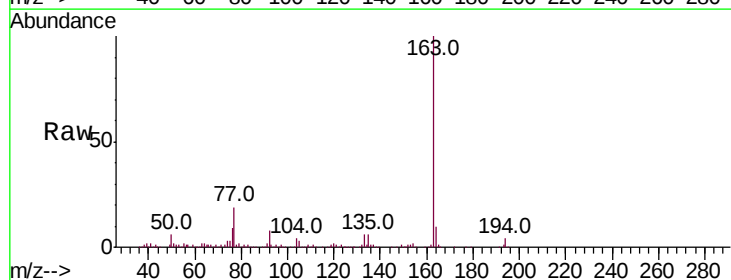
Tgt Ion:163 Resp: 237576

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

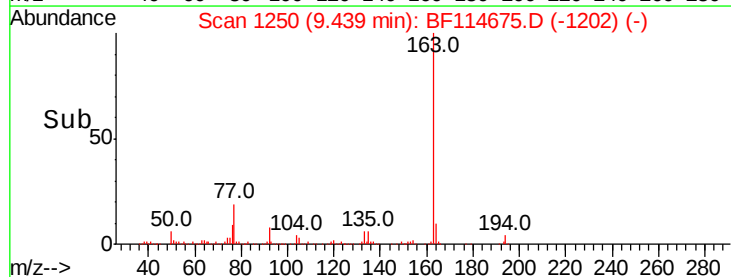
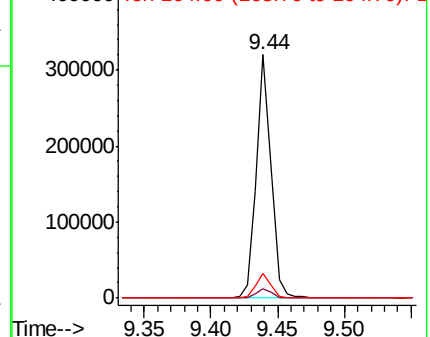
164 10.2 8.6 13.0

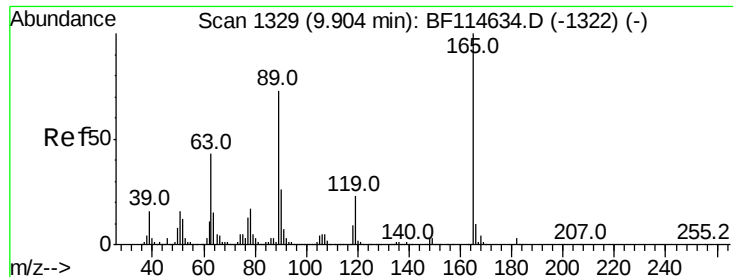


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

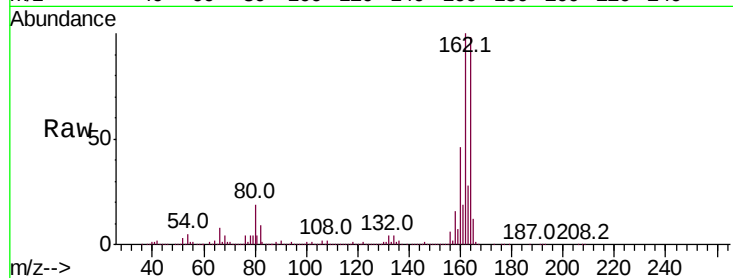




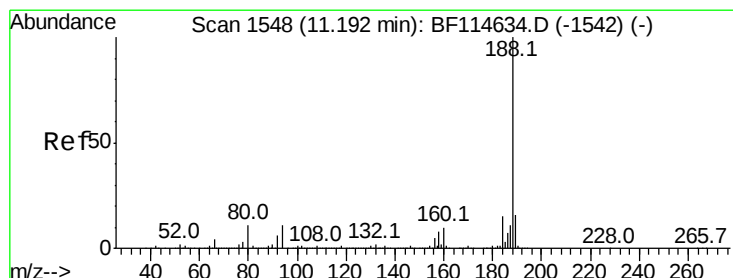
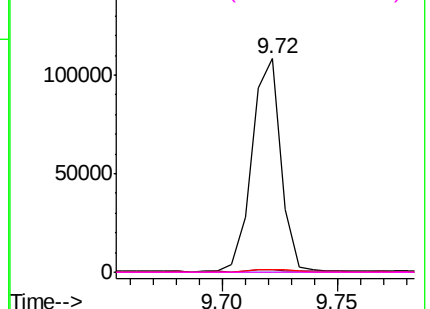
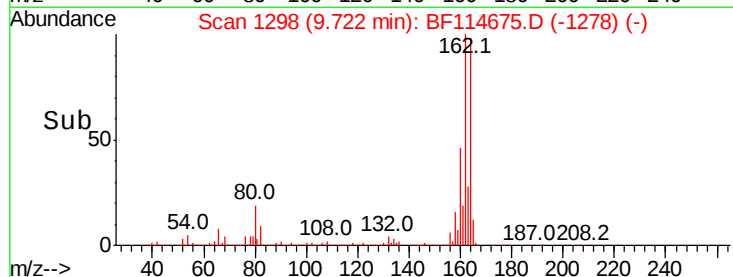
#57
 2,4-Dinitrotoluene
 Concen: 6.384 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.18 min
 Lab File: BF114675.D
 Acq: 30 May 2019 22:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 96303
 Ion Ratio Lower Upper
 165 100
 63 1.5 34.8 52.2#
 89 1.4 58.5 87.7#
 182 0.0 2.2 3.2#

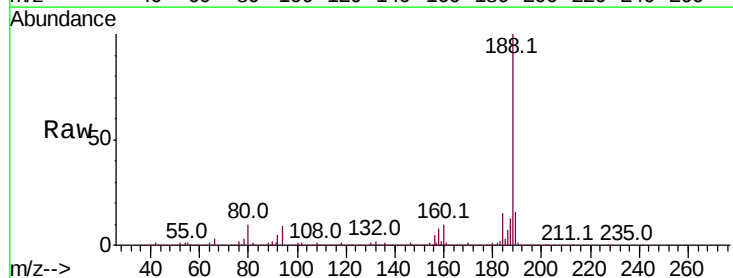


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

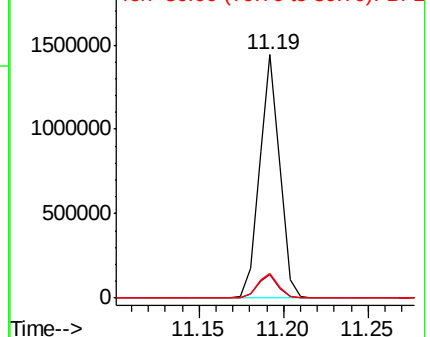
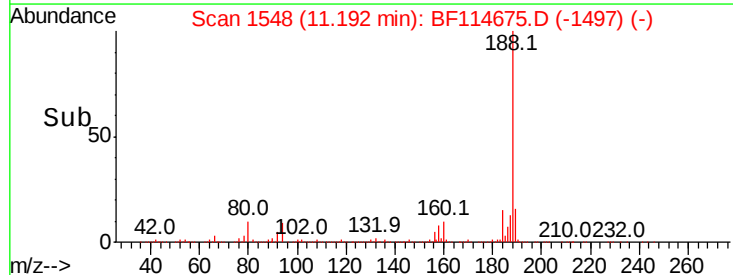


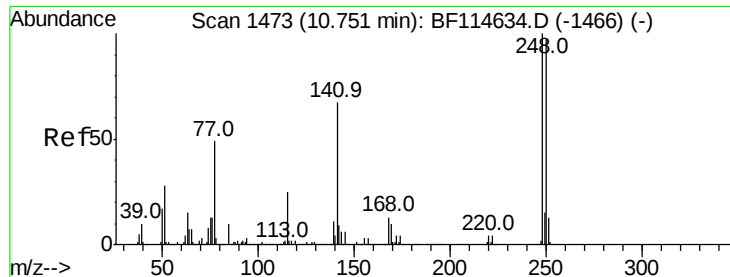
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. 0.00 min
 Lab File: BF114675.D
 Acq: 30 May 2019 22:08

Tgt Ion:188 Resp: 1201818
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.6 13.0
 80 10.4 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





#67

4-Bromophenyl-phenylether

Concen: 2.676 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.25 min

Lab File: BF114675.D

Acq: 30 May 2019 22:08

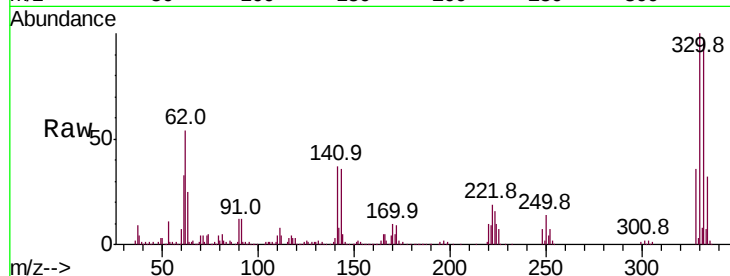
Instrument :

BNA_F

ClientSampled :

Tot Ion:248 Resp: 34491

Ion	Ratio	Lower	Upper
248	100		
250	198.3	78.0	117.0#
141	528.3	53.8	80.8#

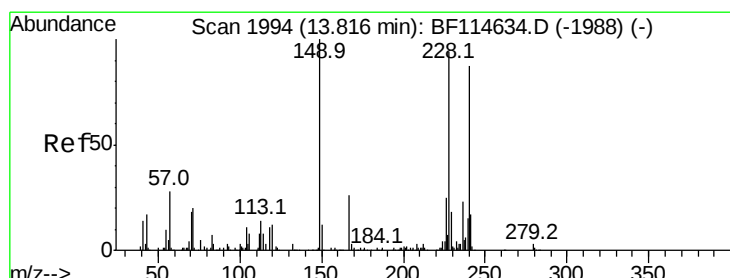
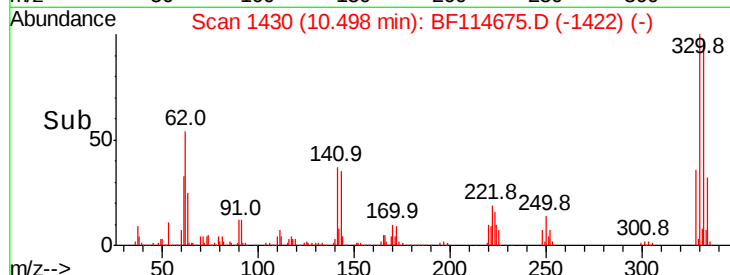
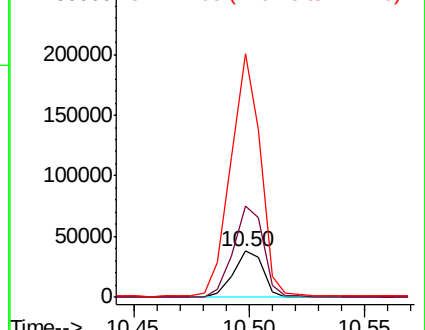


Abundance

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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.82 min Scan# 1994

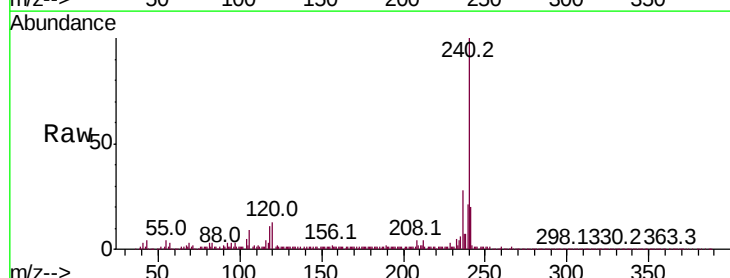
Delta R.T. 0.00 min

Lab File: BF114675.D

Acq: 30 May 2019 22:08

Tgt Ion:240 Resp: 853991

Ion	Ratio	Lower	Upper
240	100		
120	12.7	11.2	16.8
236	27.7	21.2	31.8

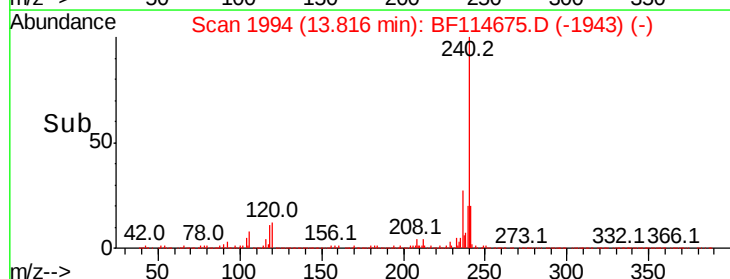
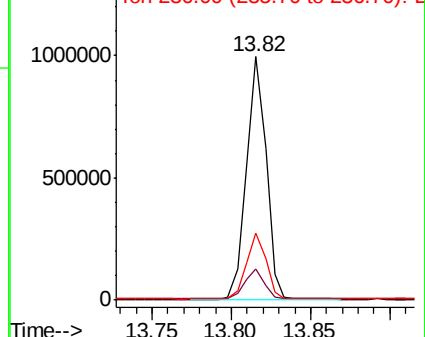


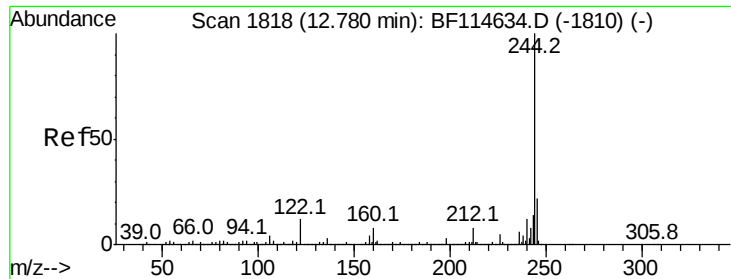
Abundance

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





#79

Terphenyl-d14

Concen: 44.936 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF114675.D

Acq: 30 May 2019 22:08

Instrument :

BNA_F

ClientSampleId :

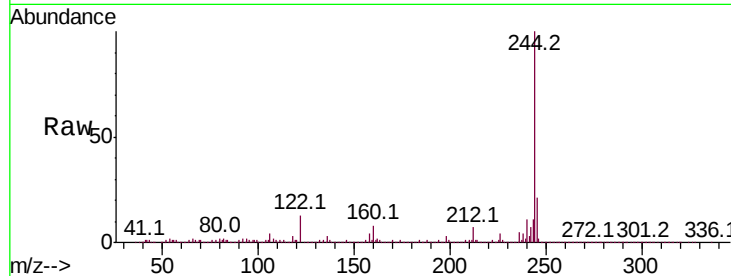
Tot Ion:244 Resp: 2041047

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

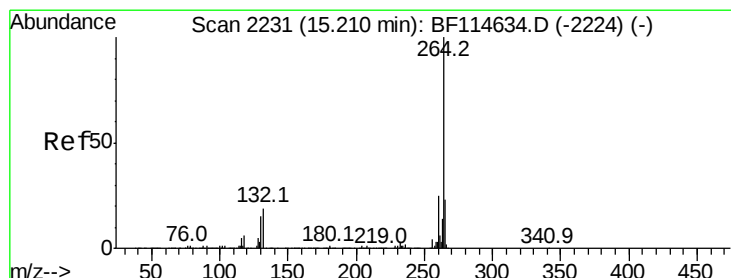
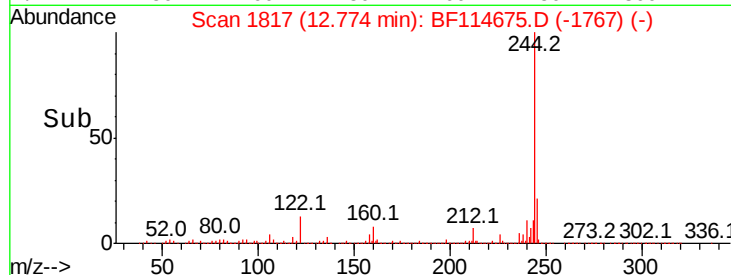
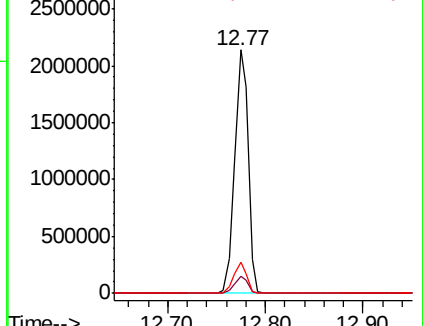
122 13.0 9.8 14.8



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

Perylene-d12

Concen: 20.000 ng

RT: 15.21 min Scan# 2231

Delta R.T. 0.00 min

Lab File: BF114675.D

Acq: 30 May 2019 22:08

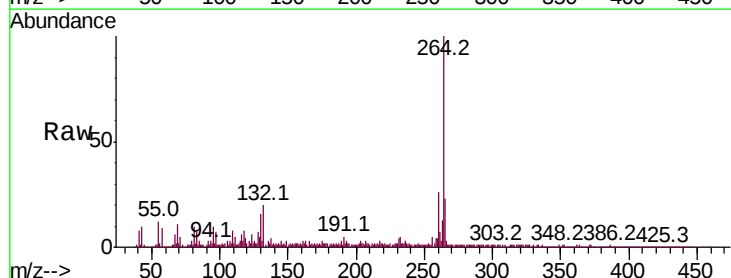
Tgt Ion:264 Resp: 666257

Ion Ratio Lower Upper

264 100

260 25.7 19.7 29.5

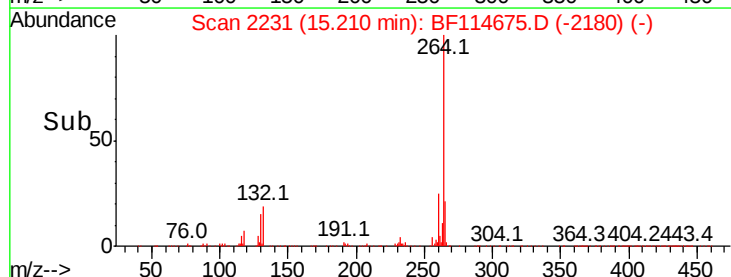
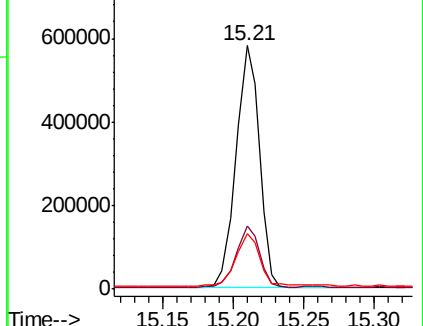
265 22.7 18.1 27.1

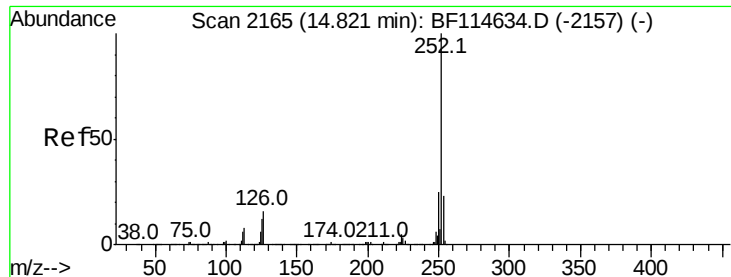


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

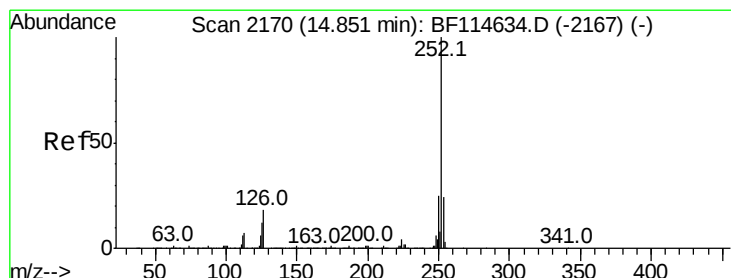
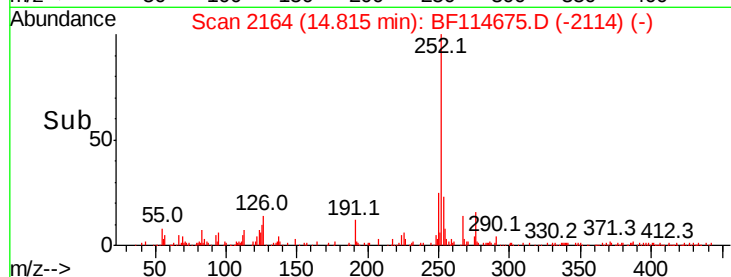
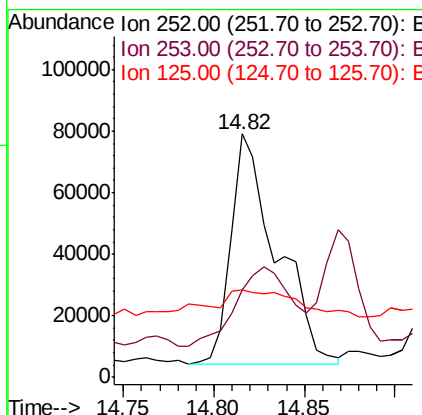
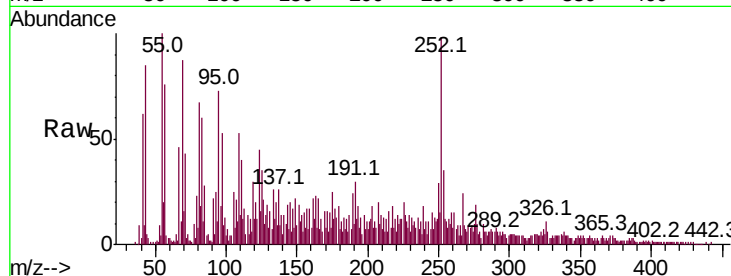




#88
Benzo(b)fluoranthene
Concen: 3.111 ng
RT: 14.82 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BF114675.D
Acq: 30 May 2019 22:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	36.0	18.7	28.1#
125	36.0	9.4	14.2#



#89
Benzo(k)fluoranthene
Concen: 3.579 ng
RT: 14.82 min Scan# 2164
Delta R.T. -0.04 min
Lab File: BF114675.D
Acq: 30 May 2019 22:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.0	18.9	28.3#
125	36.0	9.5	14.3#

