

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
 Data File : BF111942.D
 Acq On : 9 Jan 2019 11:12
 Operator : JU/SJ
 Sample : K1052-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 09 12:38:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	217055	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	770648	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	365078	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	690513	20.00	ng	0.00
76) Chrysene-d12	14.05	240	495377	20.00	ng	0.00
87) Perylene-d12	15.54	264	442804	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1152708	90.86	ng	0.00
7) Phenol-d6	6.53	99	1513789	92.57	ng	0.00
23) Nitrobenzene-d5	7.45	82	965538	66.96	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	431341	90.84	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1556965	62.19	ng	0.00
79) Terphenyl-d14	12.99	244	1407803	53.95	ng	0.00

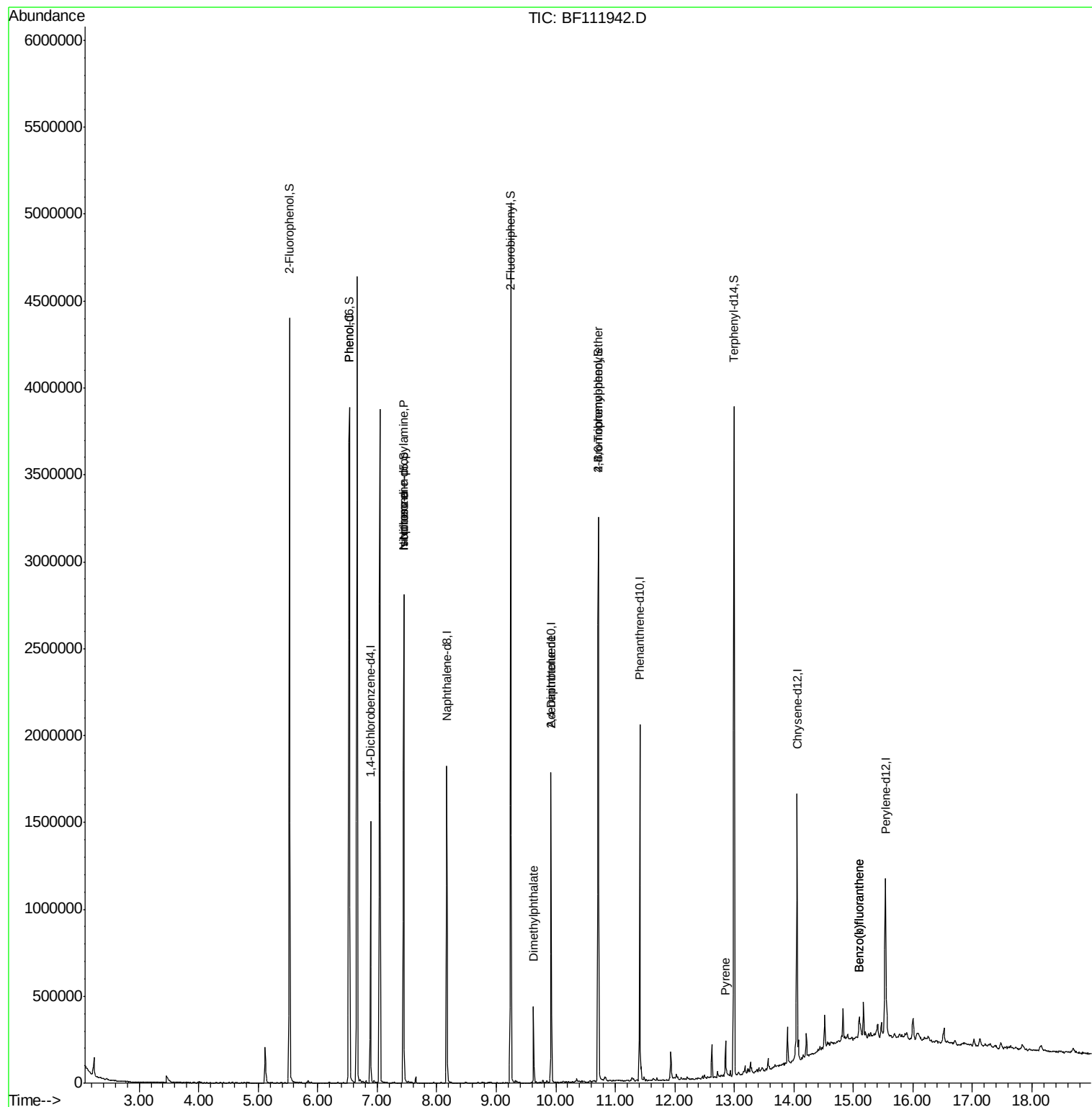
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	3107	Below Cal		# 1
10) Phenol	6.54	94	77940	4.385	ng	# 82
19) n-Nitroso-di-n-propylamine	7.45	70	132291	12.451	ng	# 77
25) Isophorone	7.45	82	957567	41.010	ng	# 65
50) Dimethylphthalate	9.63	163	182475	6.654	ng	# 99
57) 2,4-Dinitrotoluene	9.92	165	47752	6.026	ng	# 26
67) 4-Bromophenyl-phenylether	10.72	248	25350	2.834	ng	# 1
78) Pyrene	12.85	202	80514	2.362	ng	# 97
88) Benzo(b)fluoranthene	15.10	252	80523	3.040	ng	# 90
89) Benzo(k)fluoranthene	15.10	252	80523	3.234	ng	# 91

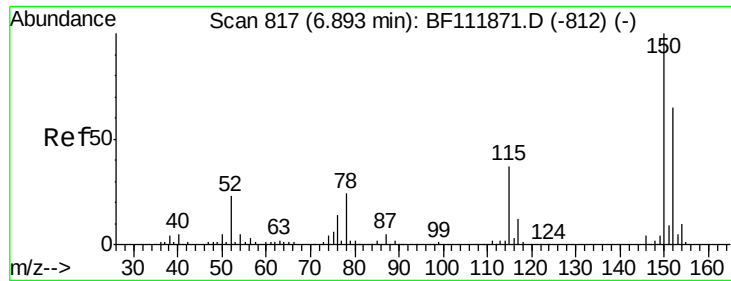
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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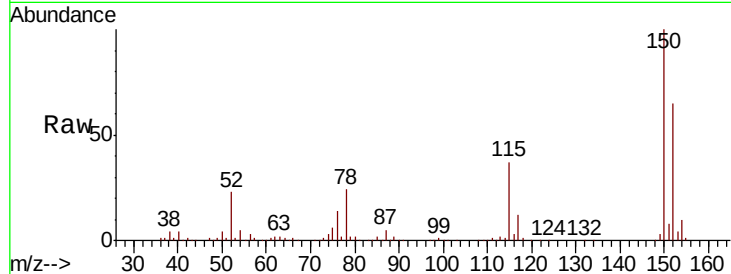


#1

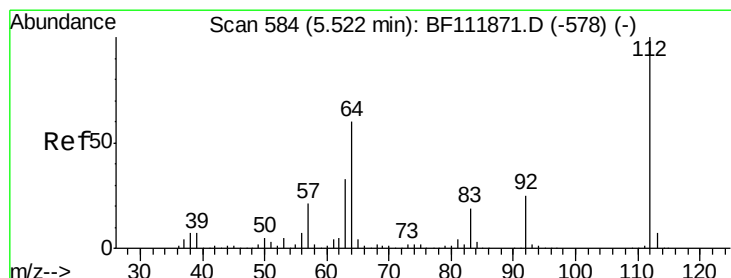
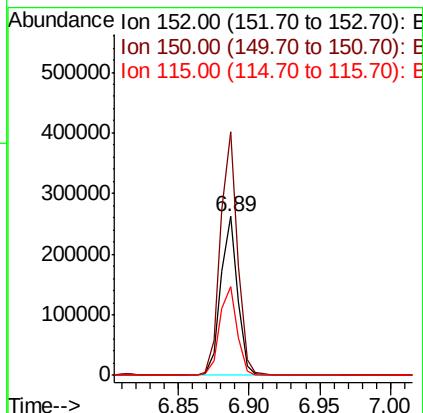
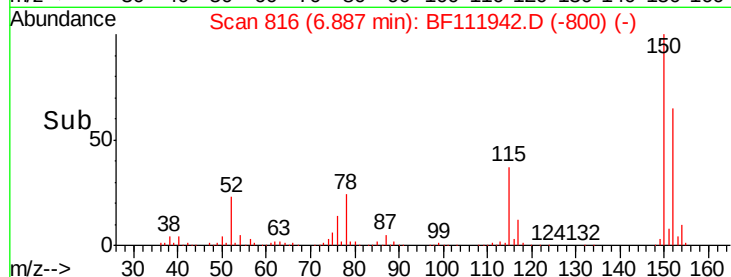
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111942.D
Acq: 9 Jan 2019 11:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 217055
Ion Ratio Lower Upper
152 100
150 153.4 122.7 184.1
115 56.0 45.2 67.8



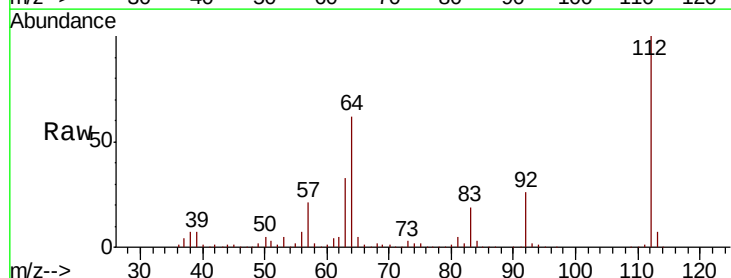
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



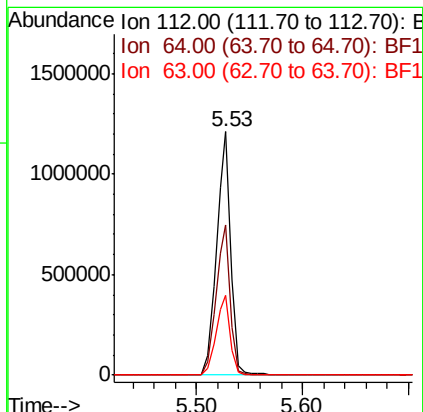
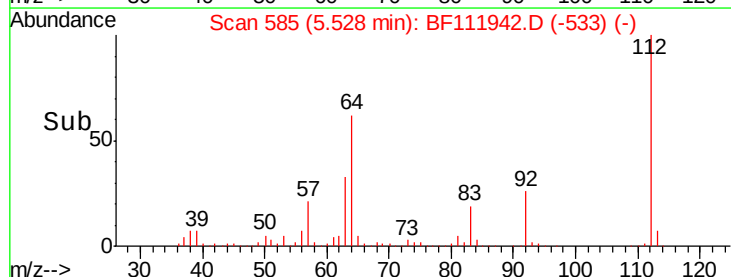
#5

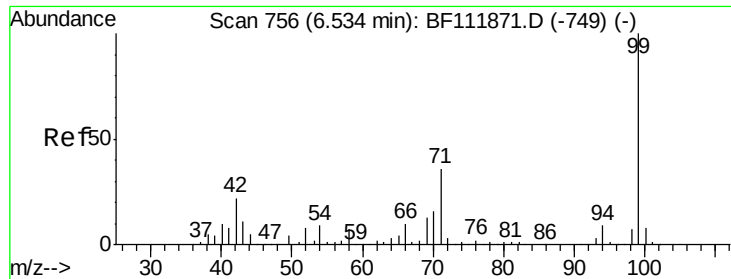
2-Fluorophenol
Concen: 90.856 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF111942.D
Acq: 9 Jan 2019 11:12

Tgt Ion:112 Resp: 1152708
Ion Ratio Lower Upper
112 100
64 61.9 48.3 72.5
63 32.9 26.1 39.1



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: 92.573 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.00 min

Lab File: BF111942.D

Acq: 9 Jan 2019 11:12

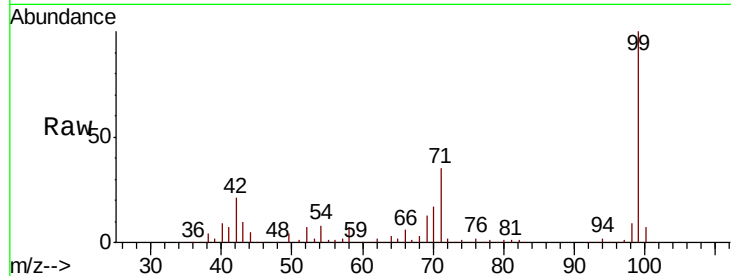
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1513789

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.9	26.9
71	35.4	28.7	43.1

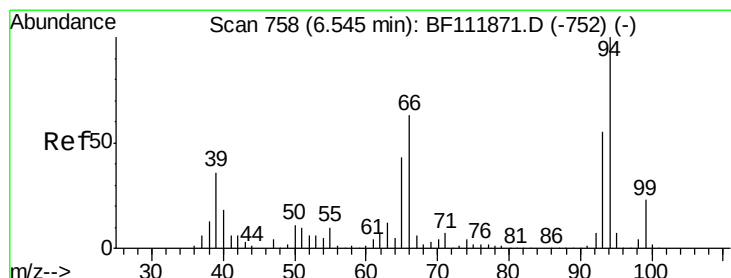
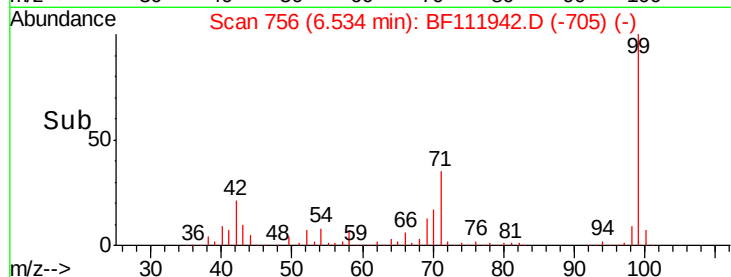
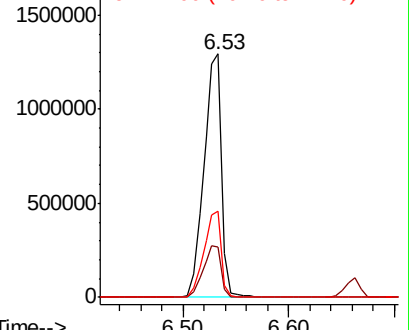


Abundance

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: 4.385 ng

RT: 6.54 min Scan# 757

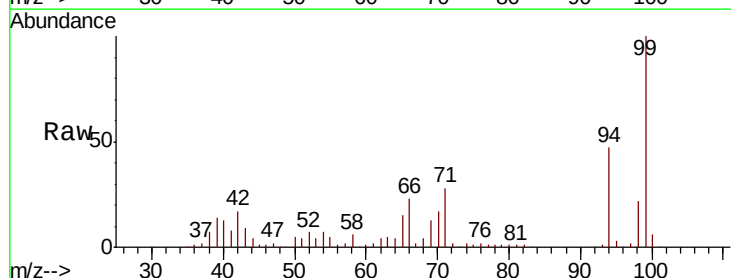
Delta R.T. -0.01 min

Lab File: BF111942.D

Acq: 9 Jan 2019 11:12

Tgt Ion: 94 Resp: 77940

Ion	Ratio	Lower	Upper
94	100		
65	31.8	22.8	62.8
66	49.5	43.3	83.3

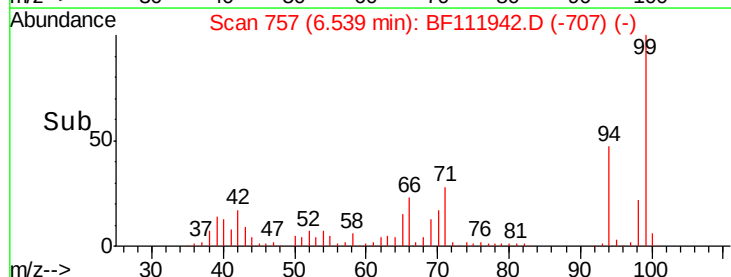
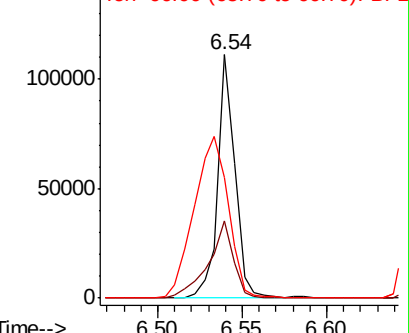


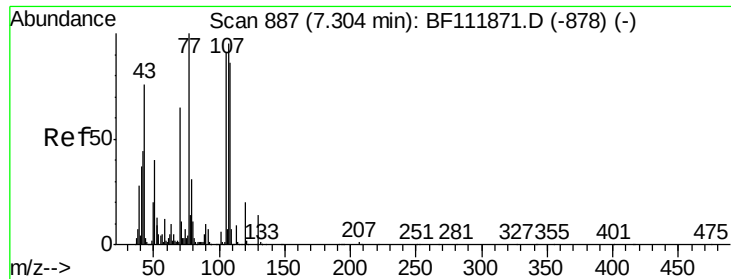
Abundance

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

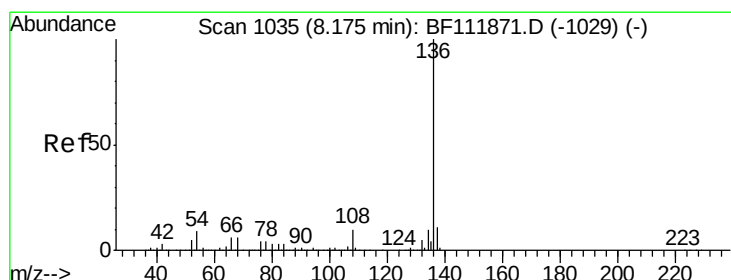
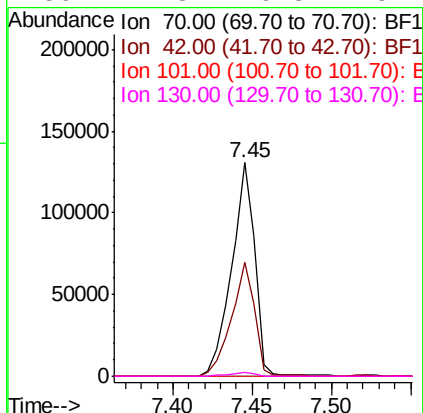
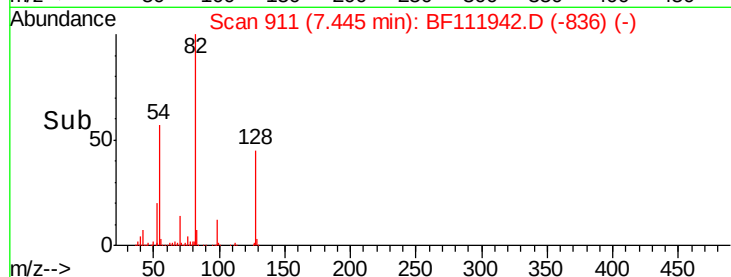
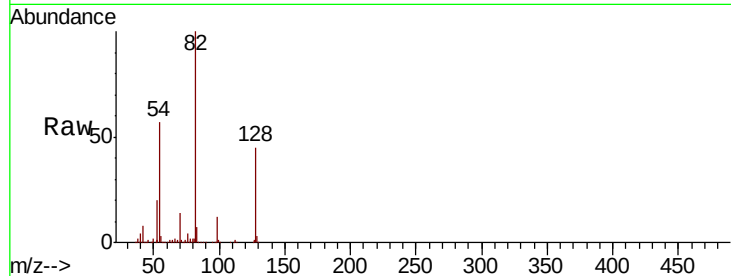




#19
n-Nitroso-di-n-propylamine
Concen: 12.451 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.14 min
Lab File: BF111942.D
Acq: 9 Jan 2019 11:12

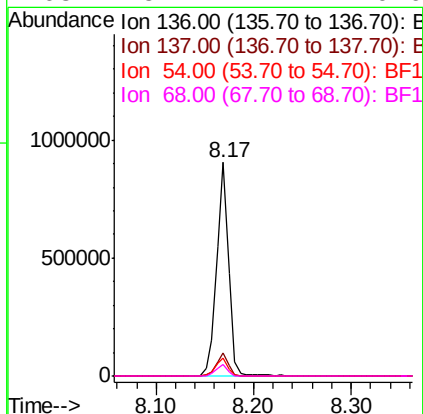
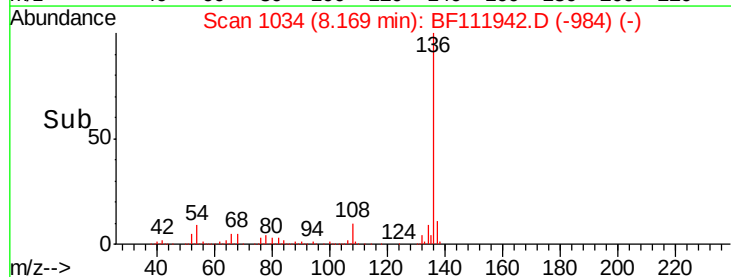
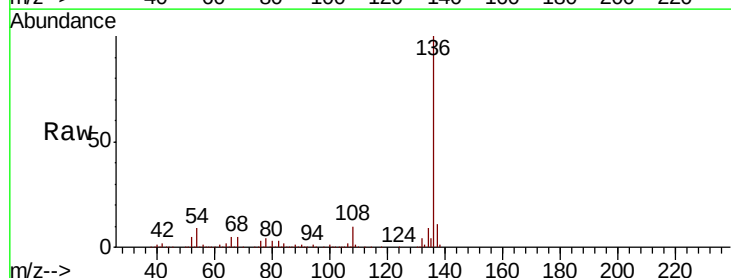
Instrument :
BNA_F
ClientSampleId :

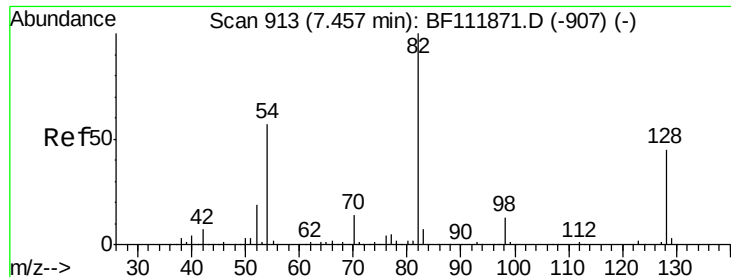
Tot Ion: 70 Resp: 132291
Ion Ratio Lower Upper
70 100
42 53.1 53.6 80.4#
101 0.0 7.3 10.9#
130 1.8 16.8 25.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111942.D
Acq: 9 Jan 2019 11:12

Tgt Ion:136 Resp: 770648
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 8.7 7.2 10.8
68 5.4 4.4 6.6

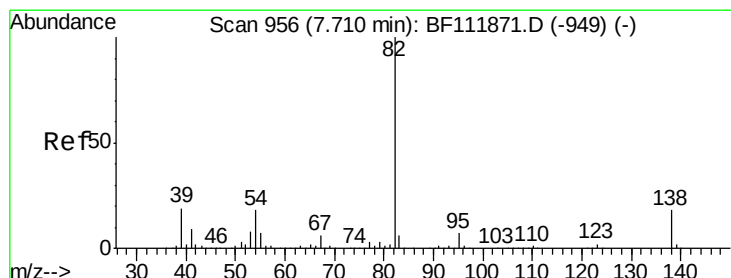
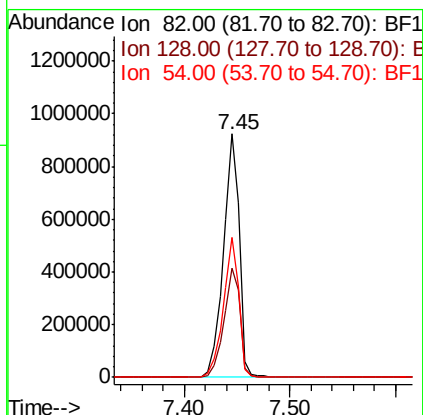
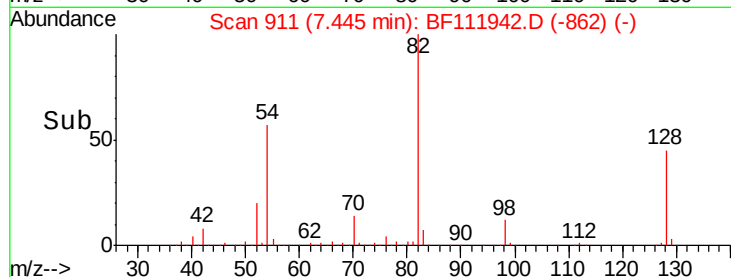
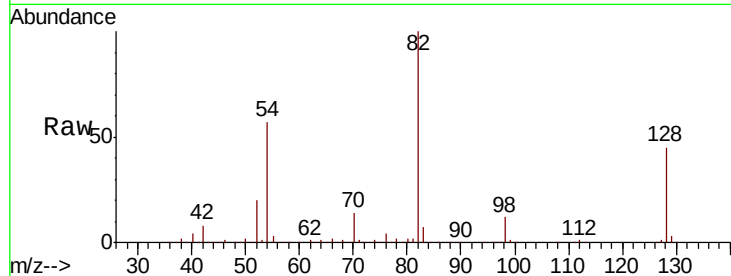




#23
Nitrobenzene-d5
Concen: 66.961 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF111942.D
Acq: 9 Jan 2019 11:12

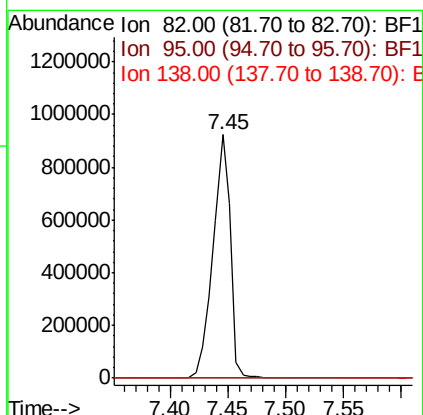
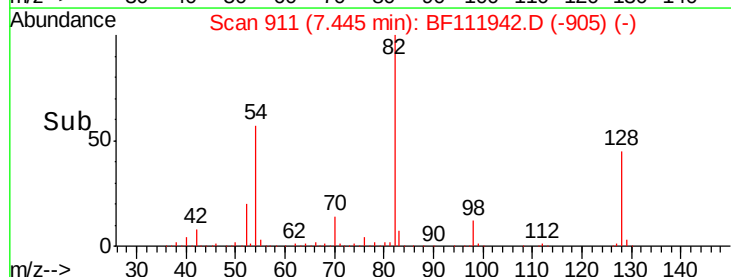
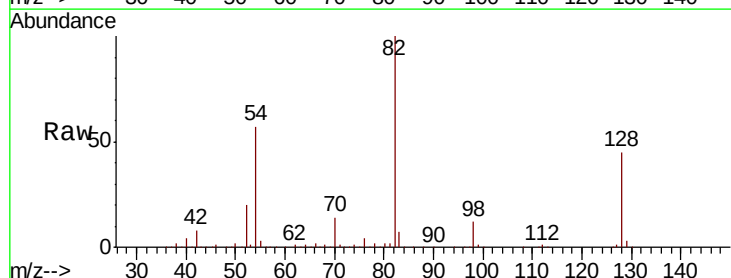
Instrument :
BNA_F
ClientSampleId :

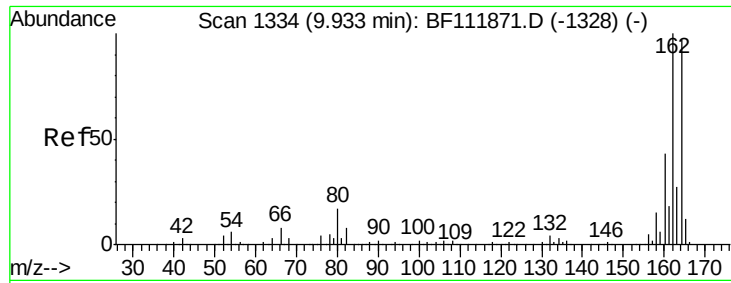
Tot Ion: 82 Resp: 96538
Ion Ratio Lower Upper
82 100
128 45.0 35.7 53.5
54 57.3 45.8 68.8



#25
Isophorone
Concen: 41.010 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF111942.D
Acq: 9 Jan 2019 11:12

Tgt Ion: 82 Resp: 957567
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.4 21.6#

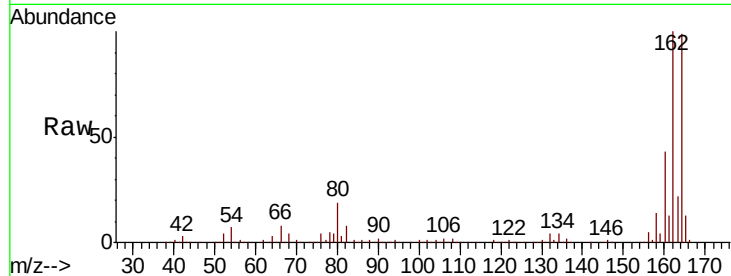




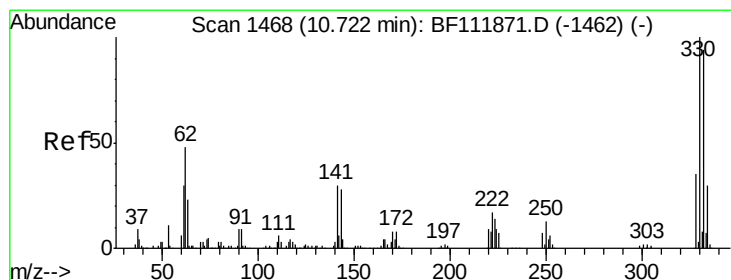
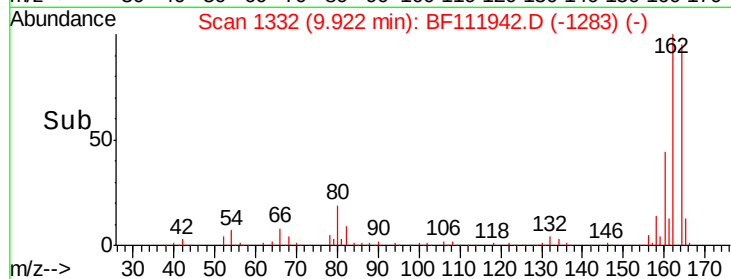
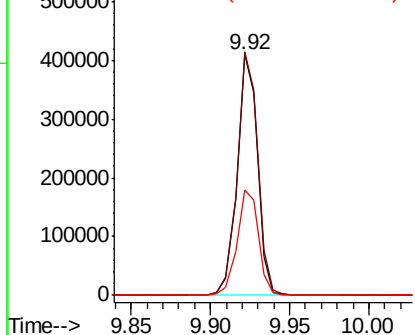
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF111942.D
 Acq: 9 Jan 2019 11:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 365078
 Ion Ratio Lower Upper
 164 100
 162 101.0 82.2 123.2
 160 43.8 35.5 53.3

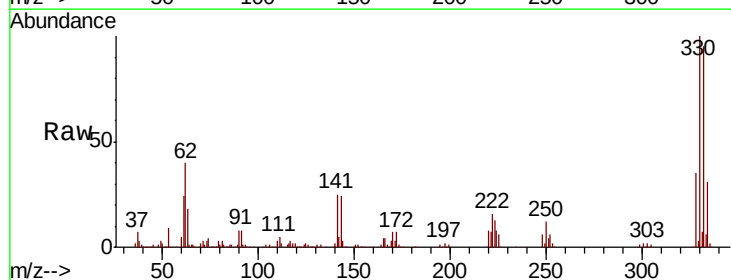


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

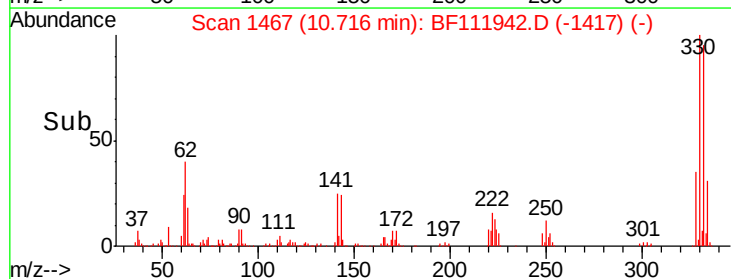
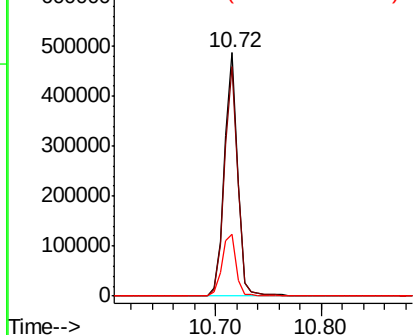


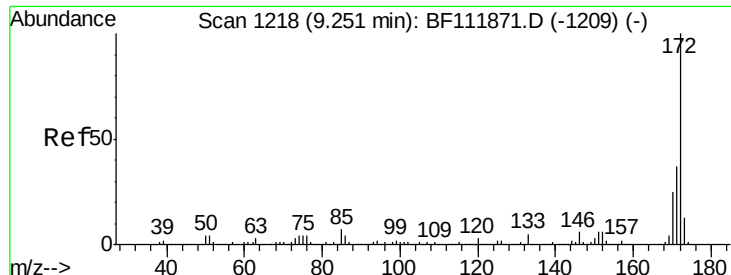
#42
 2,4,6-Tribromophenol
 Concen: 90.836 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111942.D
 Acq: 9 Jan 2019 11:12

Tgt Ion:330 Resp: 431341
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.9 115.3
 141 27.8 23.7 35.5



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

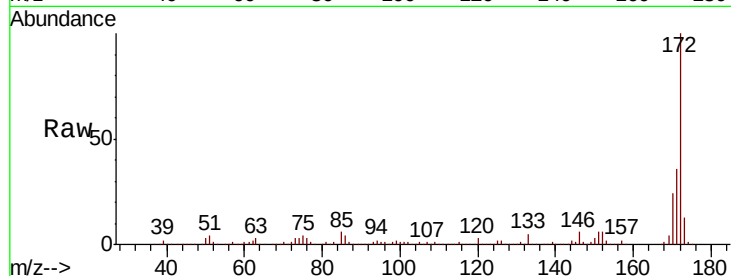




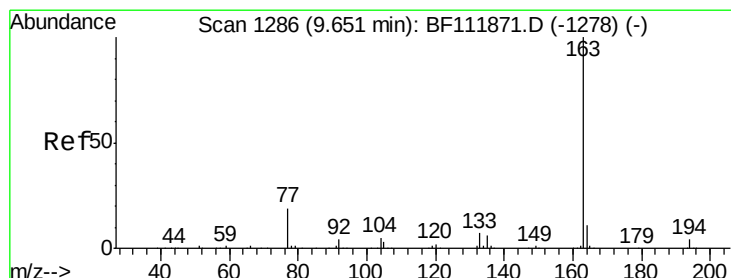
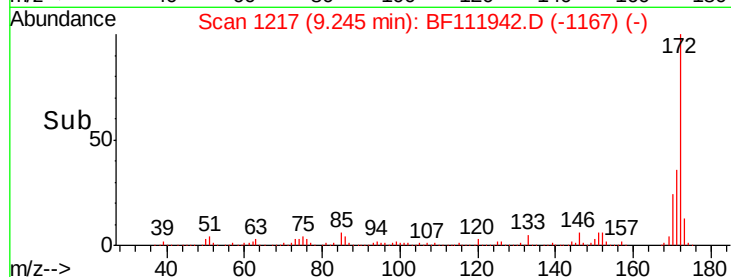
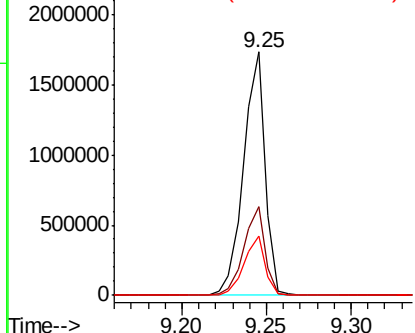
#45
2-Fluorobiphenyl
Concen: 62.189 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF111942.D
Acq: 9 Jan 2019 11:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1556965
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 24.1 19.8 29.8

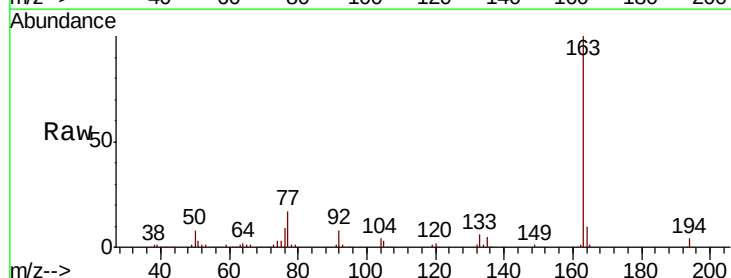


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

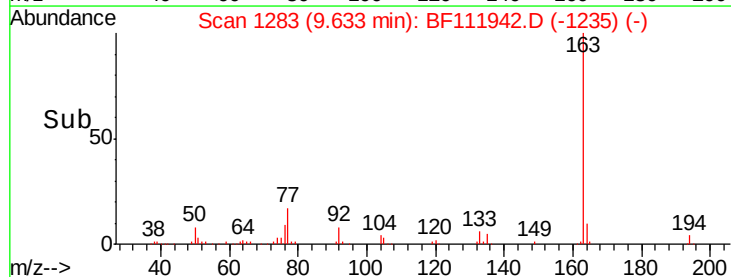
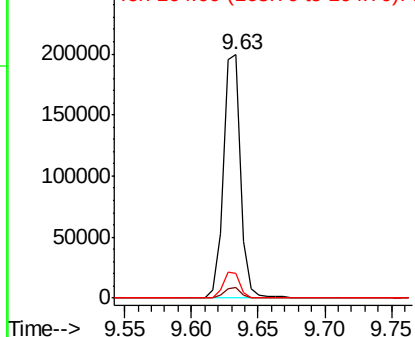


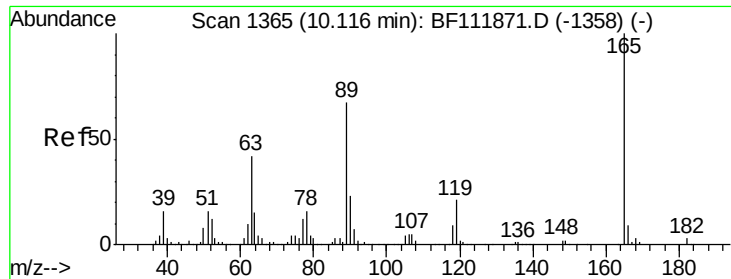
#50
Dimethylphthalate
Concen: 6.654 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF111942.D
Acq: 9 Jan 2019 11:12

Tgt Ion:163 Resp: 182475
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 10.2 8.5 12.7



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

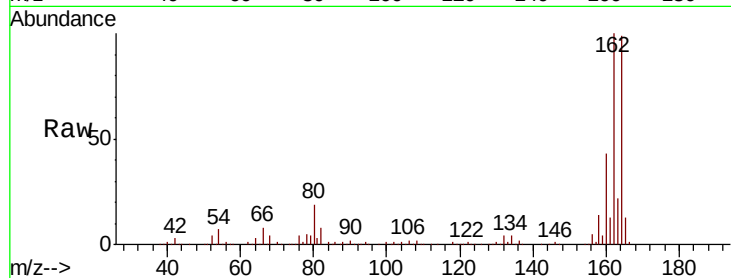




#57
 2,4-Dinitrotoluene
 Concen: 6.026 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.19 min
 Lab File: BF111942.D
 Acq: 9 Jan 2019 11:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.1	51.1#
89	1.4	53.5	80.3#
182	0.0	2.0	3.0#



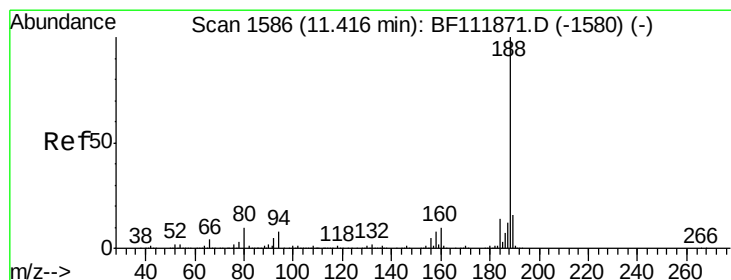
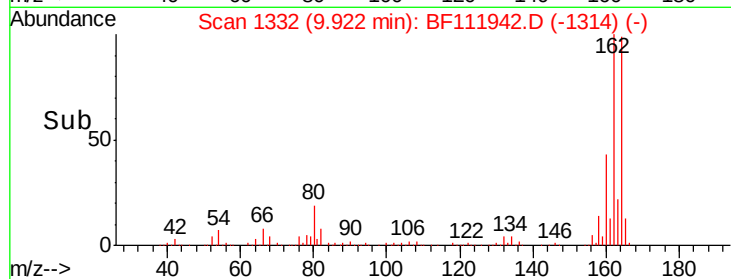
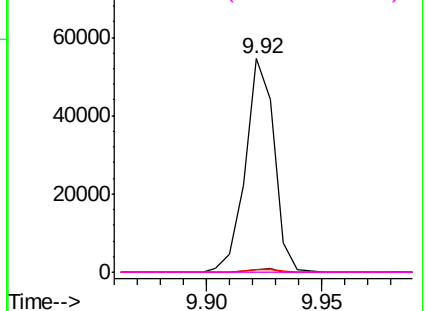
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

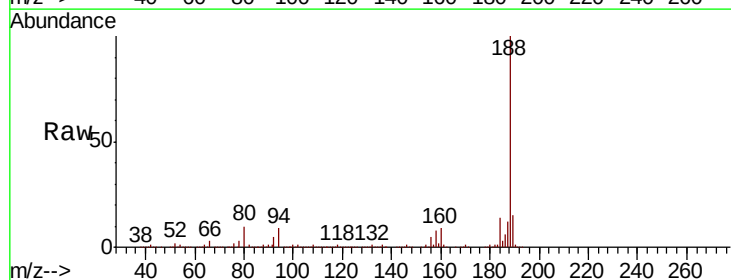
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF111942.D
 Acq: 9 Jan 2019 11:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.6	10.0
80	9.9	7.7	11.5

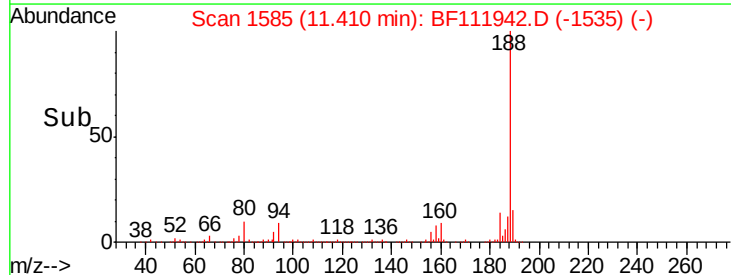
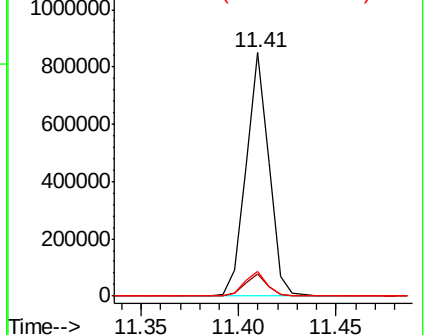


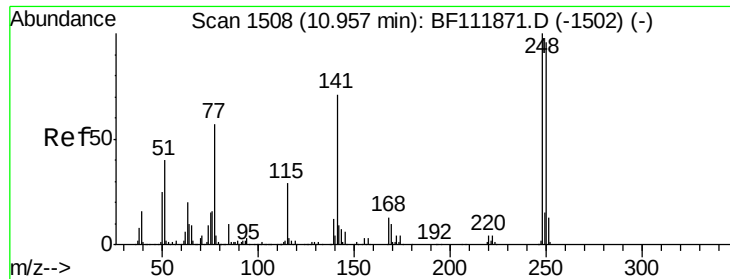
Abundance

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

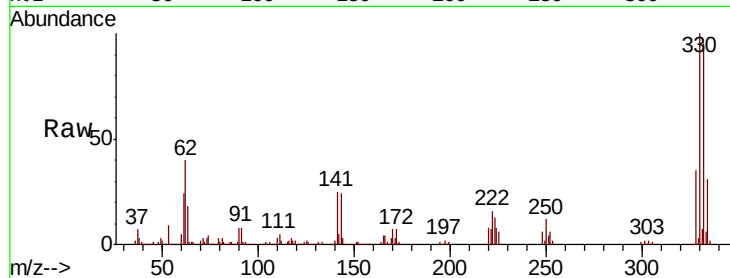




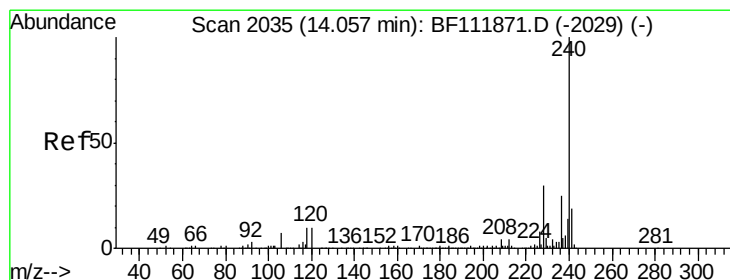
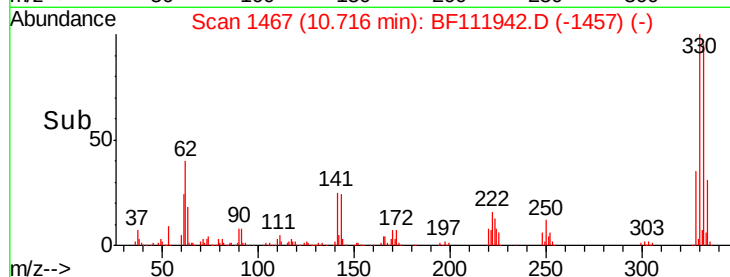
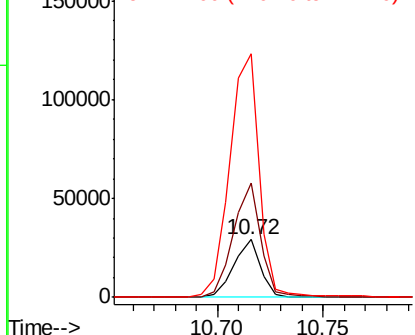
#67
4-Bromophenyl-phenylether
Concen: 2.834 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF111942.D
Acq: 9 Jan 2019 11:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 25350
Ion Ratio Lower Upper
248 100
250 197.2 76.8 115.2#
141 420.9 57.0 85.6#

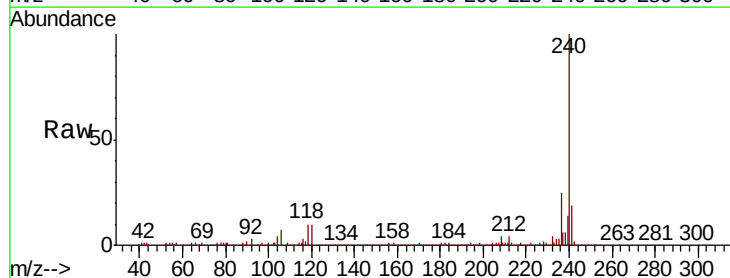


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

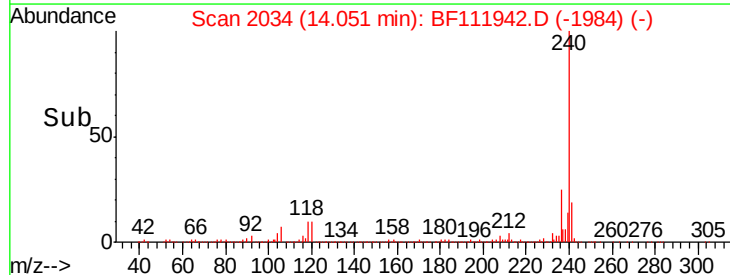
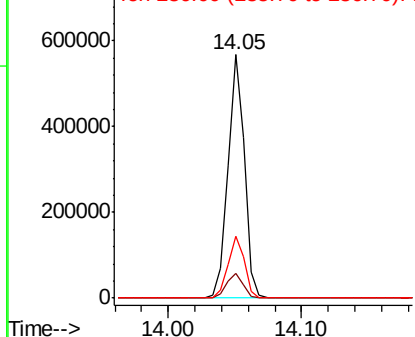


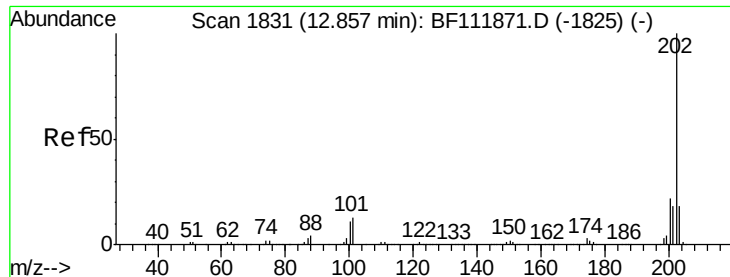
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF111942.D
Acq: 9 Jan 2019 11:12

Tgt Ion:240 Resp: 495377
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.2
236 25.5 20.2 30.4



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

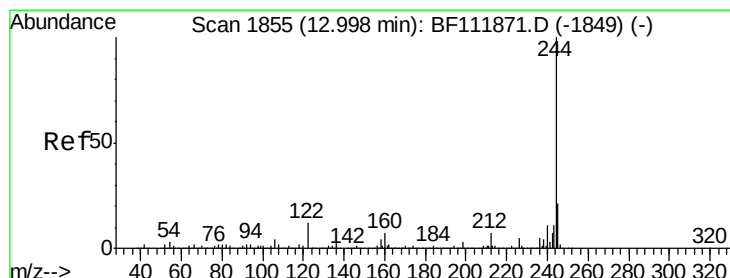
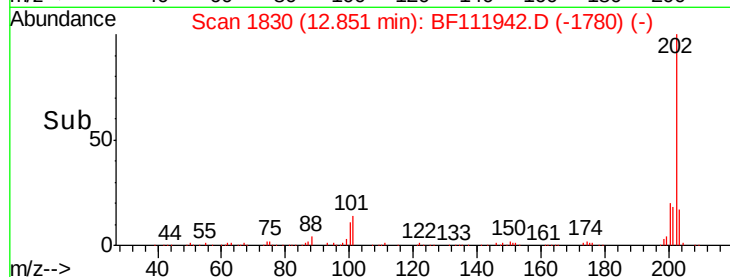
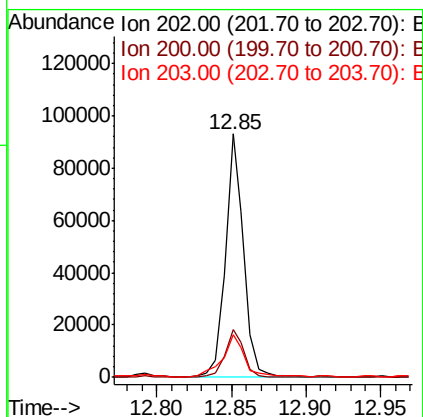
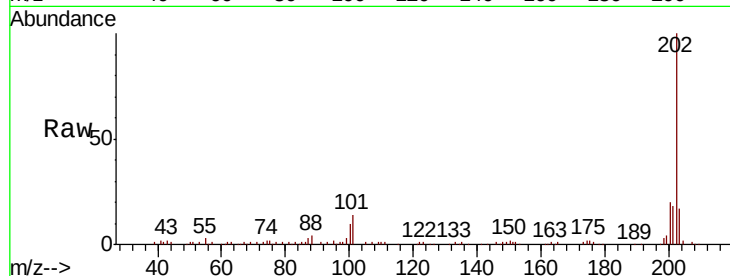




#78
 Pvrene
 Concen: 2.362 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF111942.D
 Acq: 9 Jan 2019 11:12

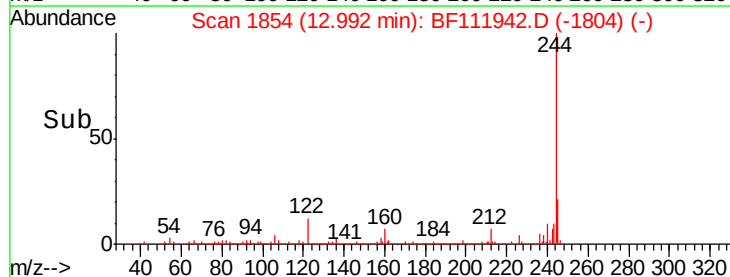
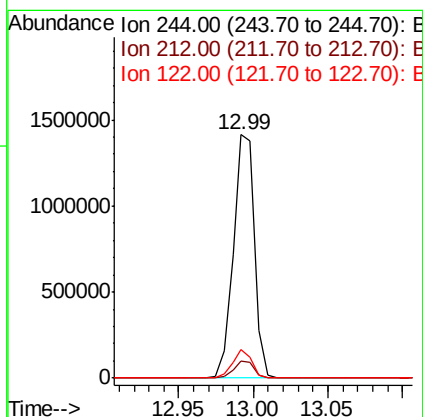
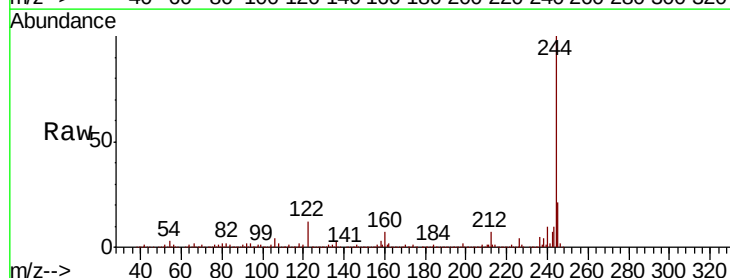
Instrument :
 BNA_F
 ClientSampleId :

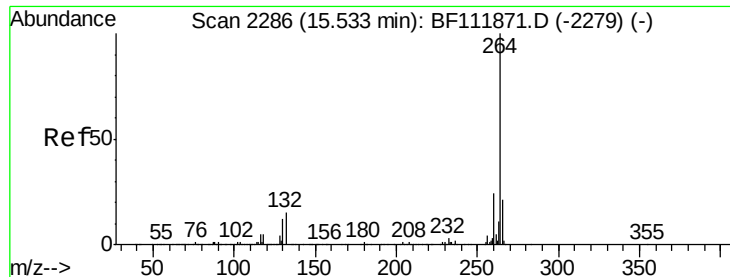
Tot Ion:202 Resp: 80514
 Ion Ratio Lower Upper
 202 100
 200 19.7 17.4 26.2
 203 17.3 14.6 21.8



#79
 Terphenyl-d14
 Concen: 53.945 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF111942.D
 Acq: 9 Jan 2019 11:12

Tgt Ion:244 Resp: 1407803
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 11.6 9.5 14.3





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF111942.D

Acq: 9 Jan 2019 11:12

Instrument :

BNA_F

ClientSampleId :

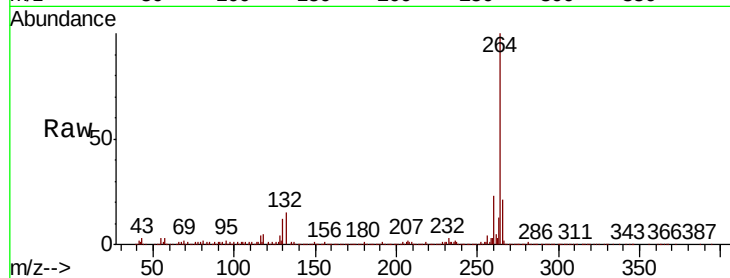
Tot Ion:264 Resp: 442804

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

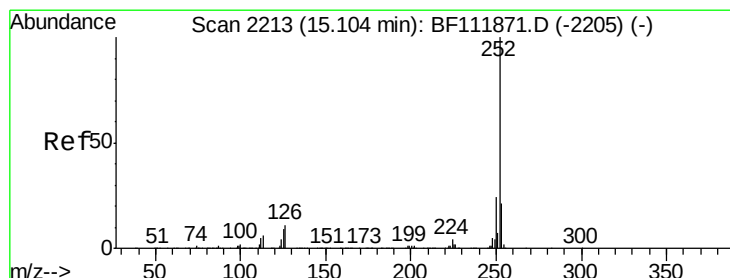
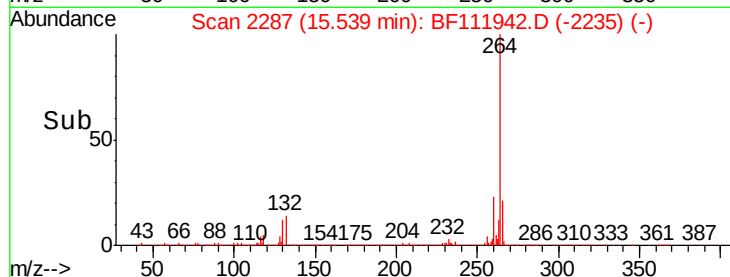
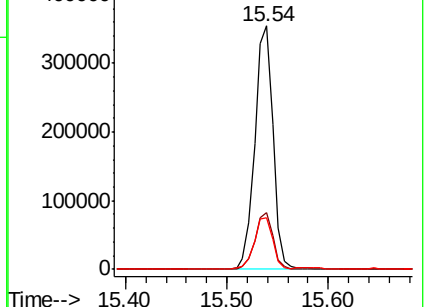
265 21.3 17.1 25.7



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: 3.040 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BF111942.D

Acq: 9 Jan 2019 11:12

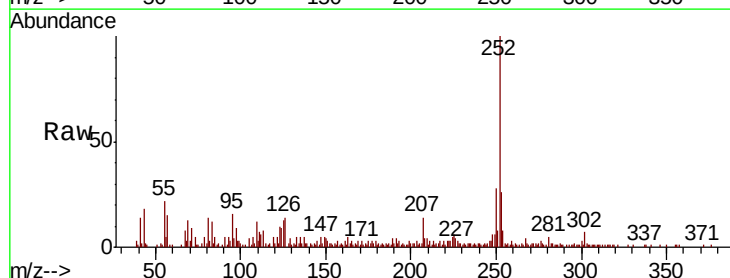
Tgt Ion:252 Resp: 80523

Ion Ratio Lower Upper

252 100

253 25.9 17.0 25.6#

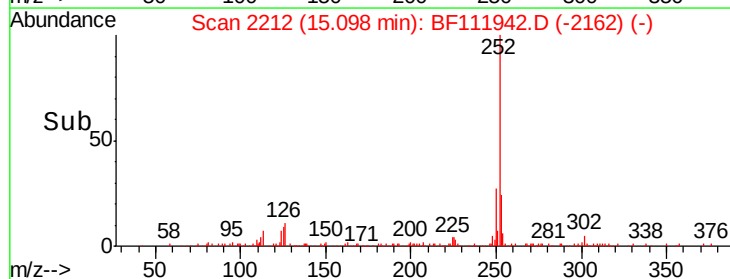
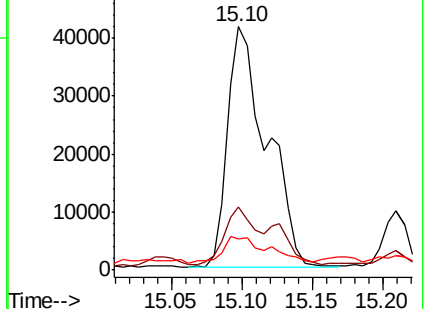
125 12.9 7.1 10.7#

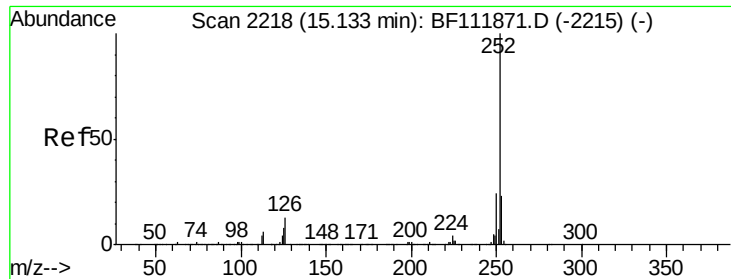


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.234 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.04 min

Lab File: BF111942.D

Acq: 9 Jan 2019 11:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 80523

Ion Ratio Lower Upper

252 100

253 25.9 17.8 26.6

125 12.9 7.0 10.4#

