

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
 Data File : BF110423.D
 Acq On : 2 Nov 2018 20:29
 Operator : JU/SJ
 Sample : J5767-03 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 03 00:51:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

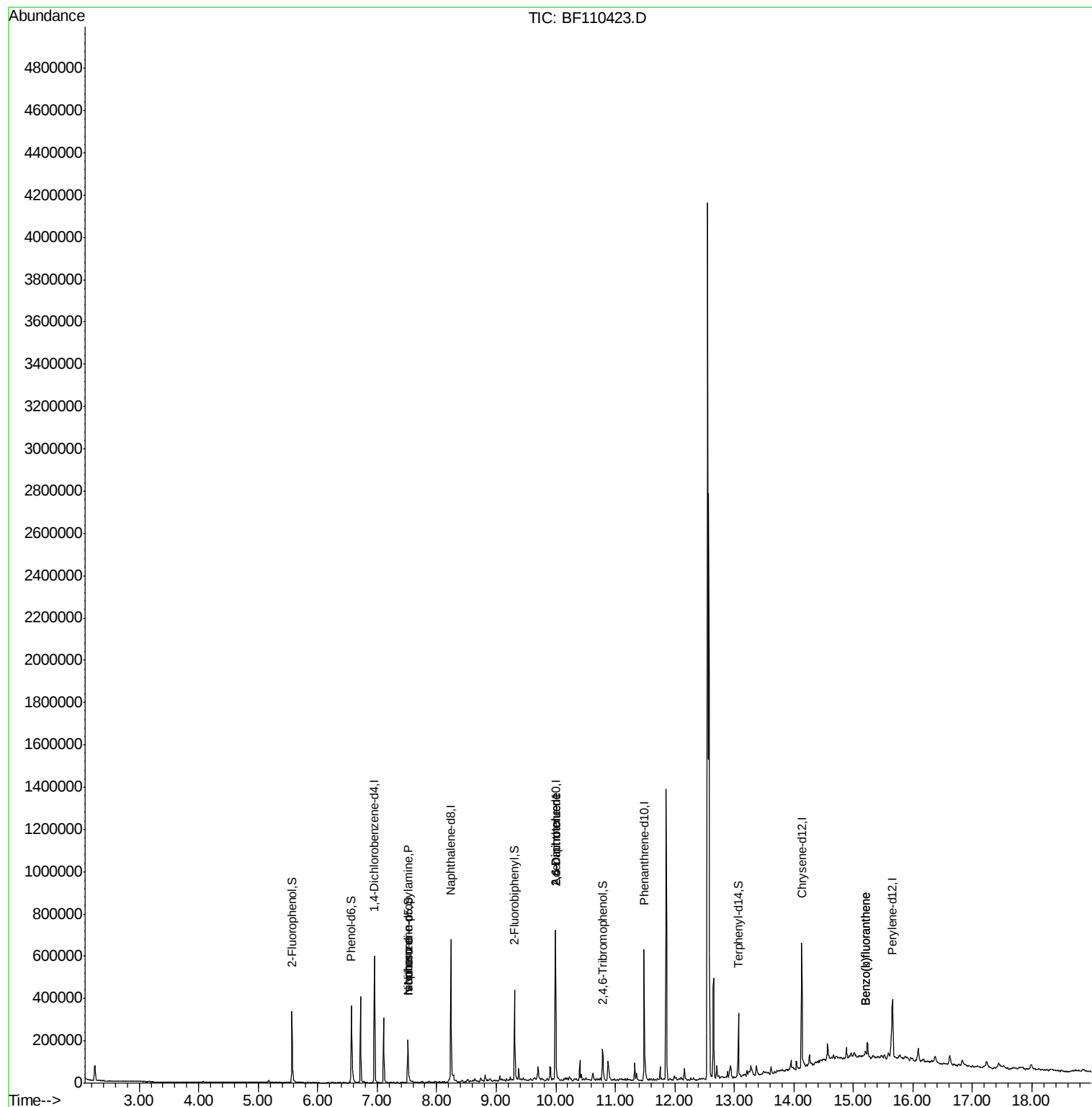
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	91860	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	366219	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	147205	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	223455	20.00	ng	0.00
76) Chrysene-d12	14.13	240	180591	20.00	ng	0.00
87) Perylene-d12	15.66	264	134420	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	103330	18.32	ng	0.00
7) Phenol-d6	6.57	99	133078	18.44	ng	-0.01
23) Nitrobenzene-d5	7.52	82	78607	12.73	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	19195	13.16	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	144020	15.36	ng	0.00
79) Terphenyl-d14	13.07	244	97738	11.26	ng	0.00
Target Compounds						
9) Benzaldehyde	6.72	77	2334	Below Cal	#	73
19) n-Nitroso-di-n-propylamine	7.52	70	10888	2.352 ng	#	78
25) Isophorone	7.52	82	78606	7.469 ng	#	67
51) 2,6-Dinitrotoluene	10.00	165	19307	8.249 ng	#	22
57) 2,4-Dinitrotoluene	10.00	165	19307	6.494 ng	#	18
77) Benzidine	13.07	184	1314	Below Cal	#	62
88) Benzo(b)fluoranthene	15.20	252	17064	2.198 ng	#	61
89) Benzo(k)fluoranthene	15.20	252	17064	2.236 ng	#	60

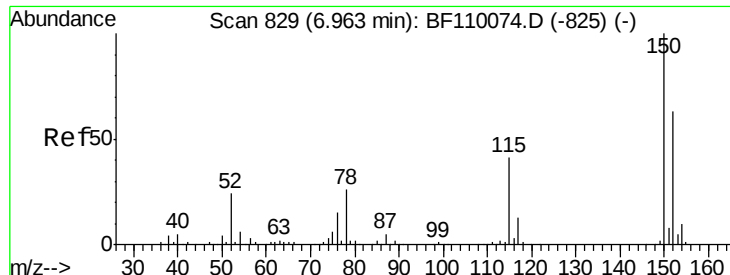
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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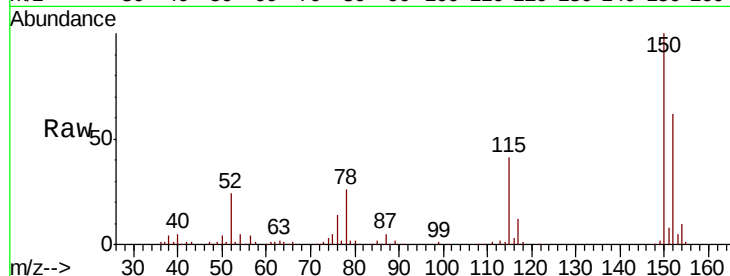


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110423.D
Acq: 2 Nov 2018 20:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	122.7	184.1
115	65.5	49.1	73.7

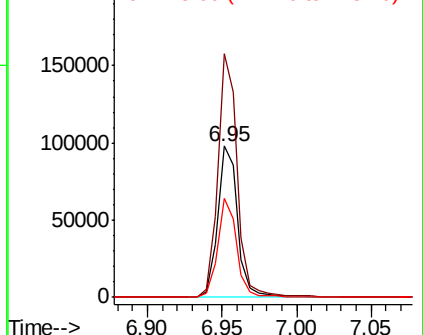
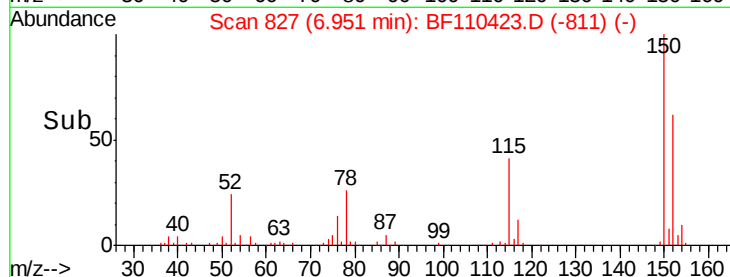


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

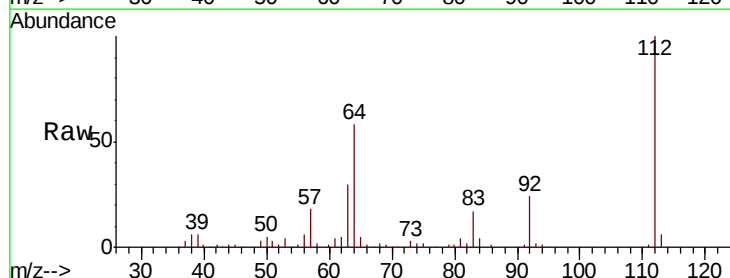
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 18.318 ng
RT: 5.57 min Scan# 592
Delta R.T. -0.01 min
Lab File: BF110423.D
Acq: 2 Nov 2018 20:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	44.1	66.1
63	30.2	23.7	35.5

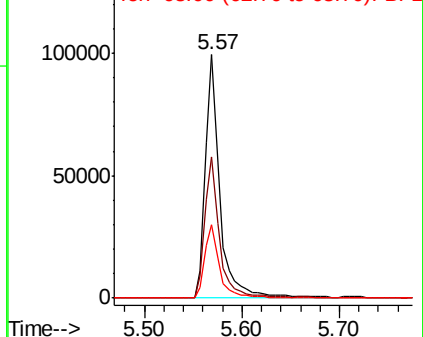
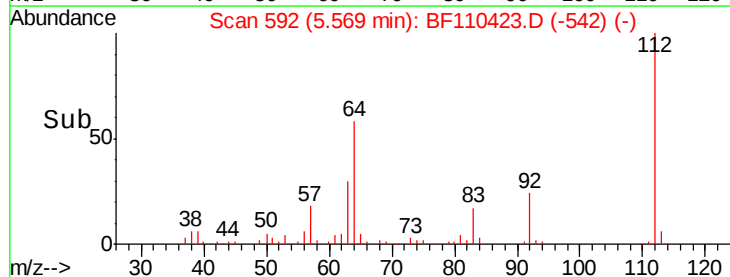


Abundance

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: 18.444 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110423.D

Acq: 2 Nov 2018 20:29

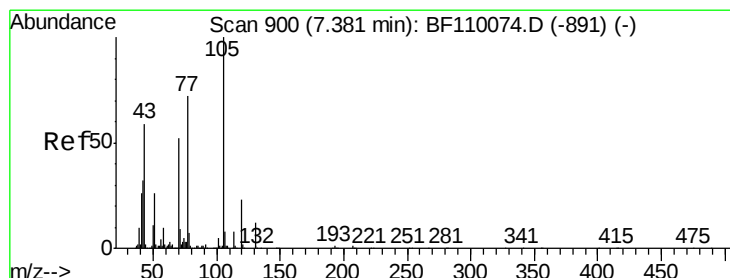
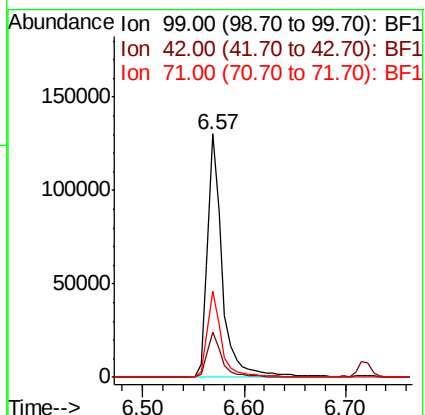
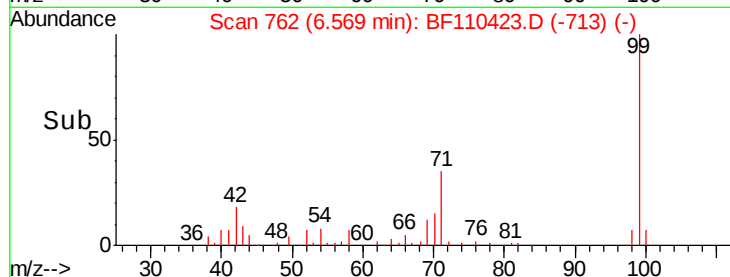
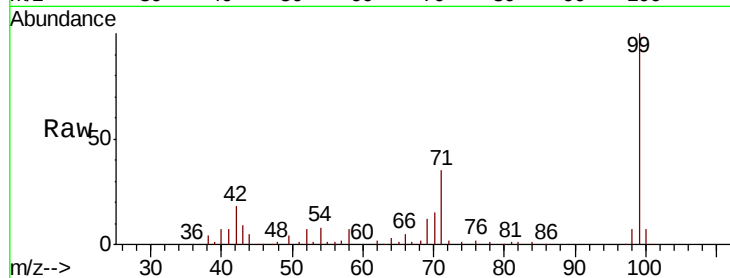
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 133078

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.8	23.6
71	35.3	28.0	42.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.352 ng

RT: 7.52 min Scan# 923

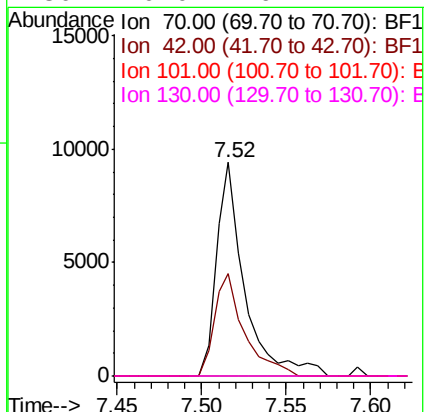
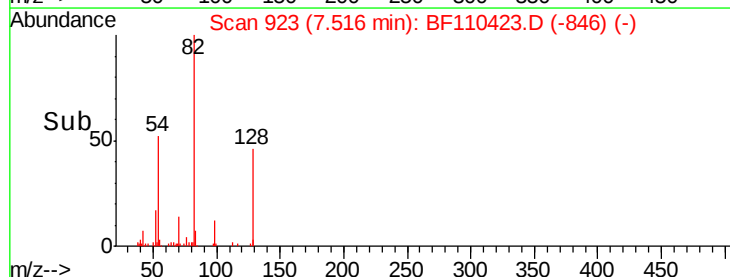
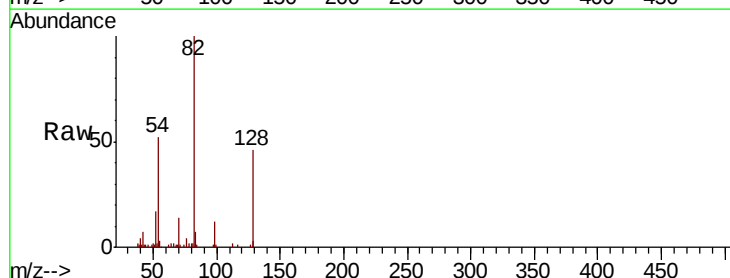
Delta R.T. 0.15 min

Lab File: BF110423.D

Acq: 2 Nov 2018 20:29

Tgt Ion: 70 Resp: 10888

Ion	Ratio	Lower	Upper
70	100		
42	48.2	47.4	71.2
101	0.0	7.3	10.9#
130	0.0	16.2	24.2#

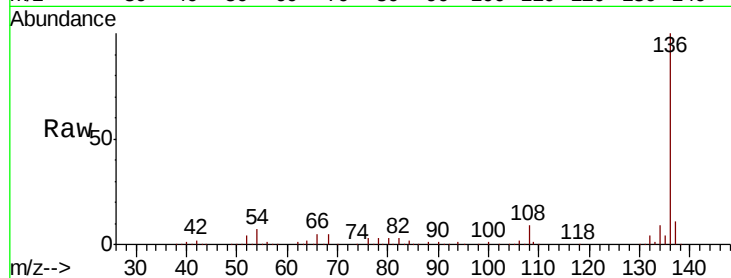




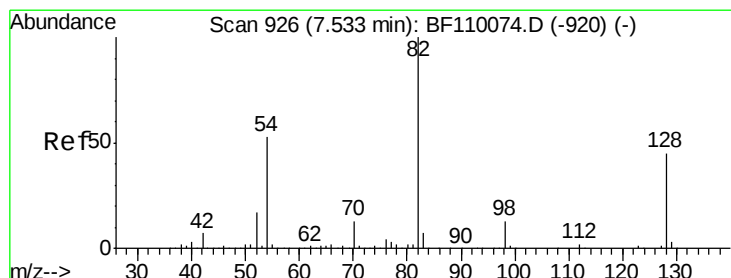
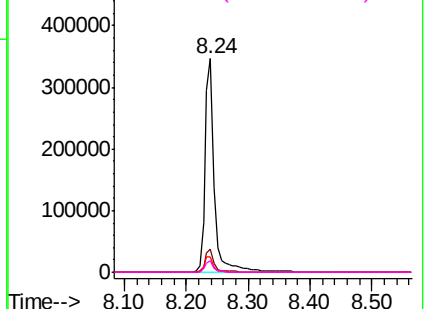
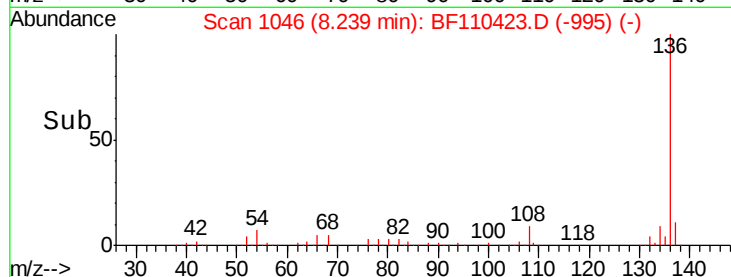
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110423.D
Acq: 2 Nov 2018 20:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	366219
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.8 13.2
54	7.5	5.4 8.2
68	5.2	4.2 6.2

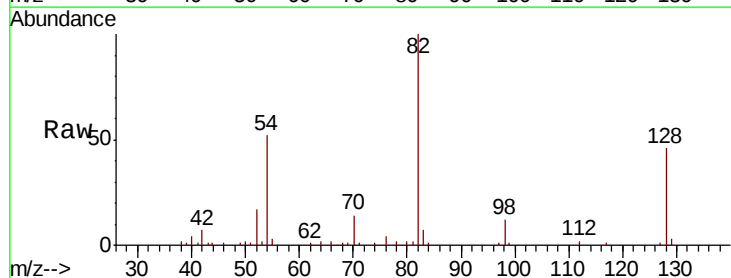


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

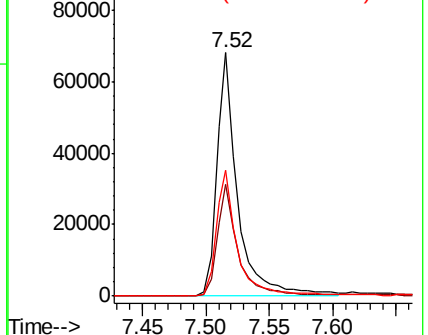
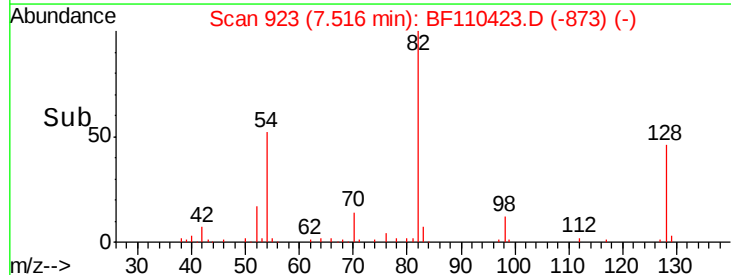


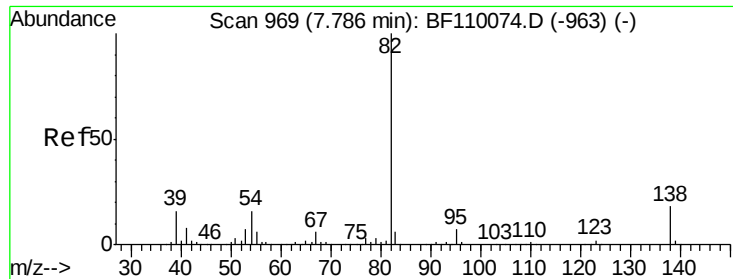
#23
Nitrobenzene-d5
Concen: 12.731 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110423.D
Acq: 2 Nov 2018 20:29

Tgt Ion: 82	Resp:	78607
Ion	Ratio	Lower Upper
82	100	
128	45.7	34.2 51.2
54	51.7	38.6 58.0



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: 7.469 ng

RT: 7.52 min Scan# 923

Delta R.T. -0.26 min

Lab File: BF110423.D

Acq: 2 Nov 2018 20:29

Instrument :

BNA_F

ClientSampled :

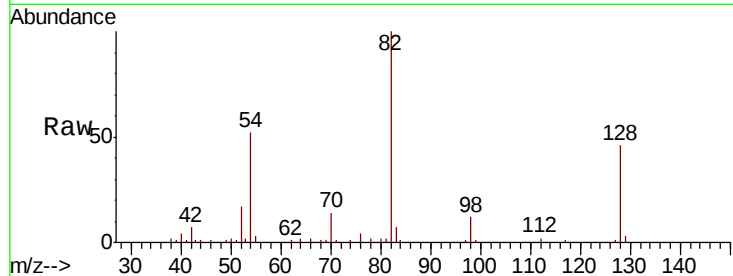
Tot Ion: 82 Resp: 78606

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

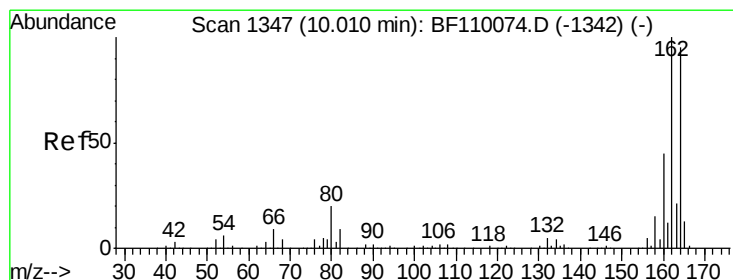
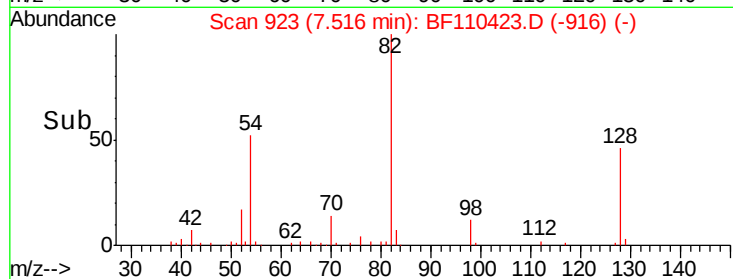
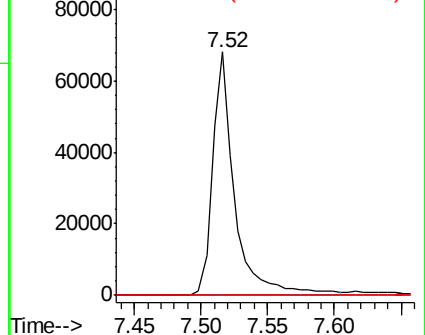
138 0.0 13.2 19.8#



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: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF110423.D

Acq: 2 Nov 2018 20:29

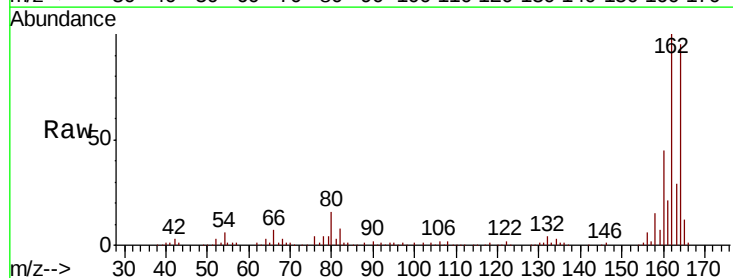
Tgt Ion:164 Resp: 147205

Ion Ratio Lower Upper

164 100

162 105.7 83.0 124.6

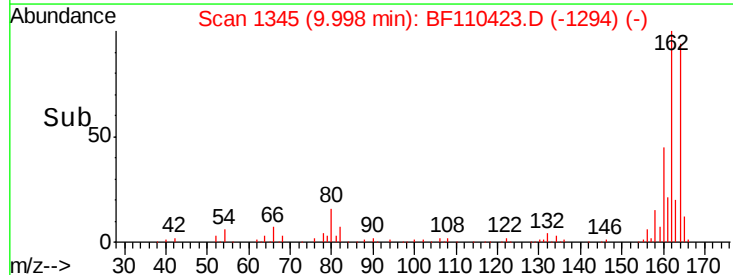
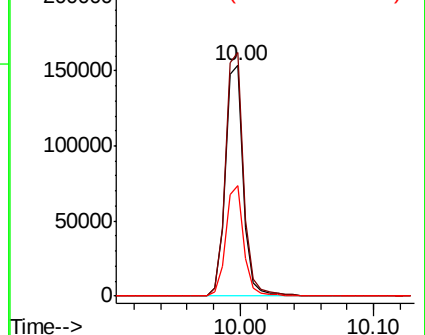
160 47.8 37.0 55.6

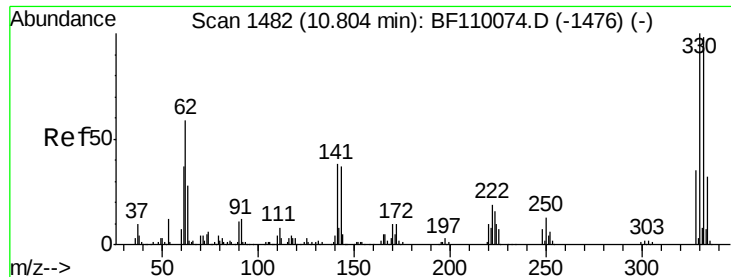


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

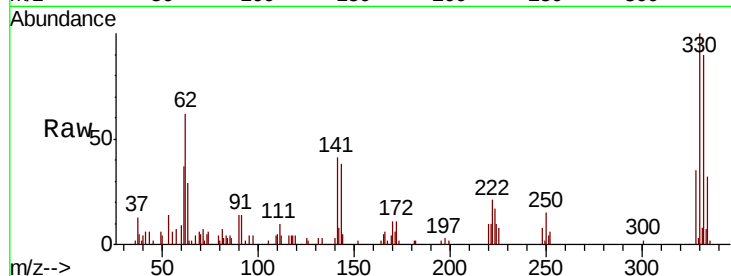




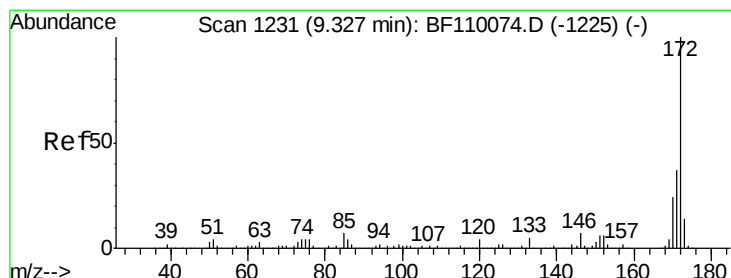
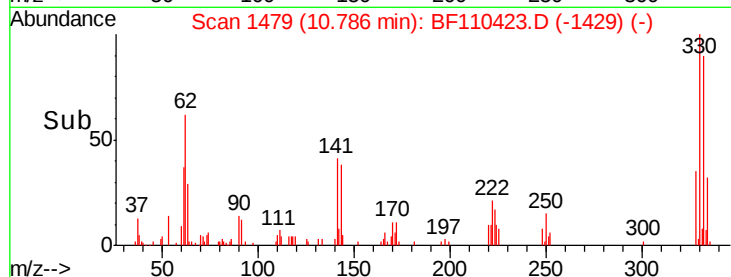
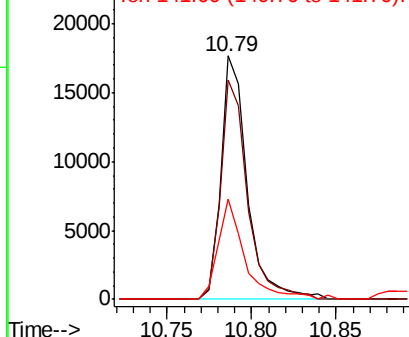
#42
 2,4,6-Tribromophenol
 Concen: 13.164 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: BF110423.D
 Acq: 2 Nov 2018 20:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.2	77.1	115.7
141	42.4	27.0	40.4

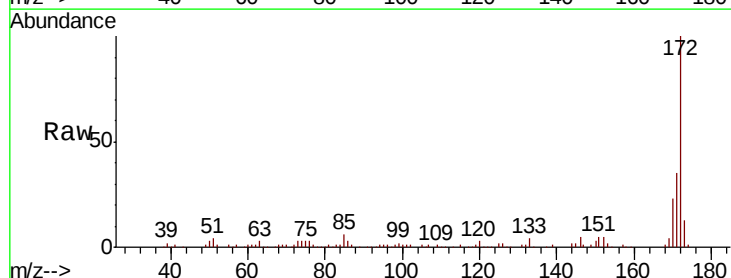


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

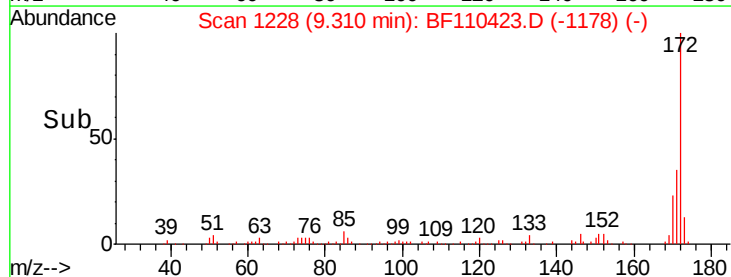
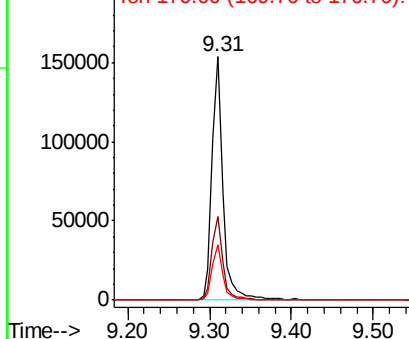


#45
 2-Fluorobiphenyl
 Concen: 15.363 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110423.D
 Acq: 2 Nov 2018 20:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.6	43.0
170	22.8	19.7	29.5



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

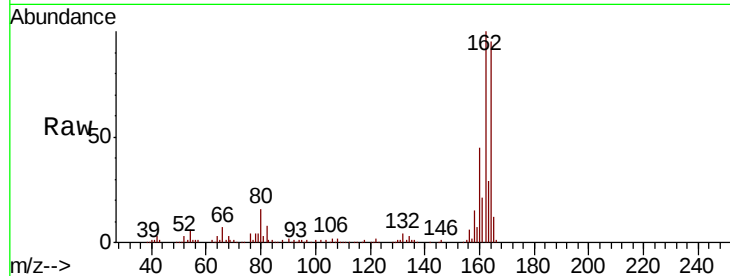




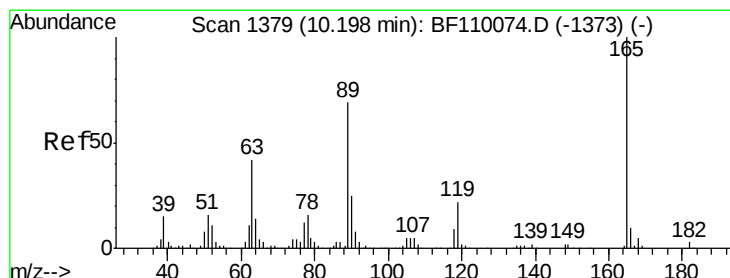
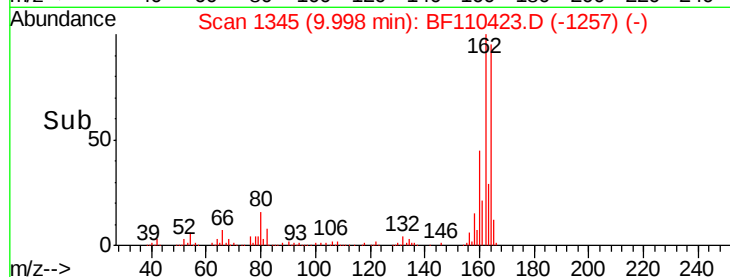
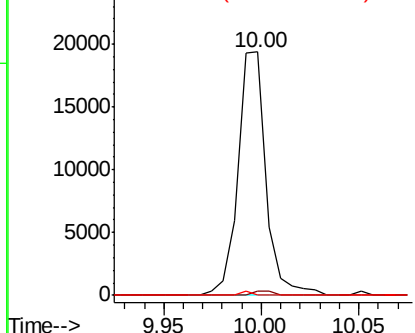
#51
2,6-Dinitrotoluene
Concen: 8.249 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.22 min
Lab File: BF110423.D
Acq: 2 Nov 2018 20:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 19307
Ion Ratio Lower Upper
165 100
63 1.9 48.9 73.3#
89 0.0 46.6 69.8#

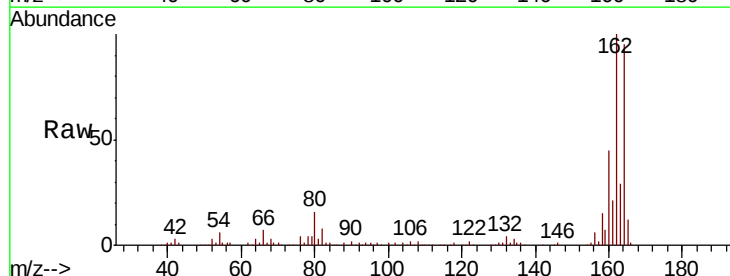


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

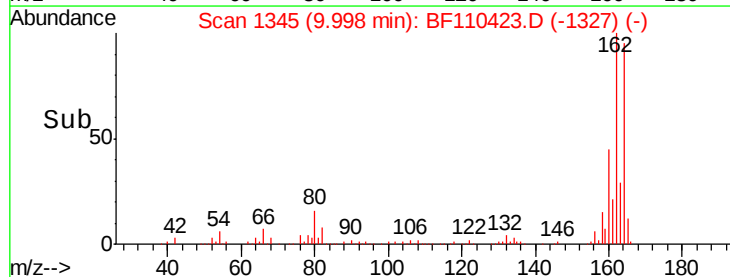
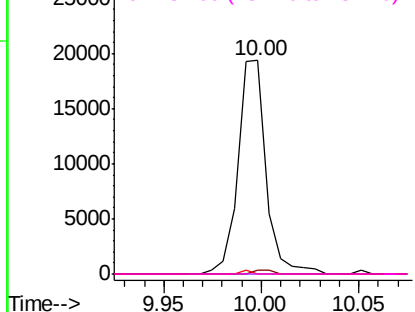


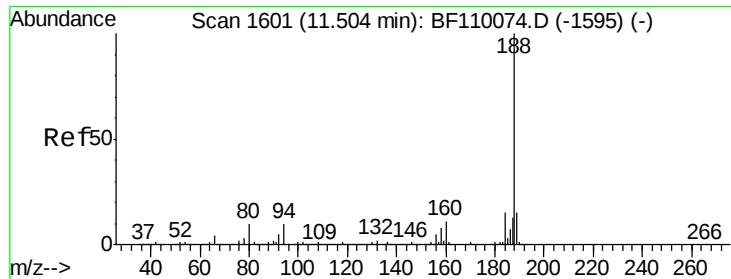
#57
2,4-Dinitrotoluene
Concen: 6.494 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.19 min
Lab File: BF110423.D
Acq: 2 Nov 2018 20:29

Tgt Ion:165 Resp: 19307
Ion Ratio Lower Upper
165 100
63 1.9 44.8 67.2#
89 0.0 62.2 93.4#
182 0.0 2.1 3.1#



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

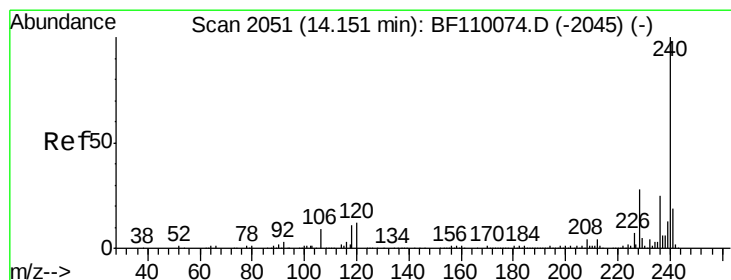
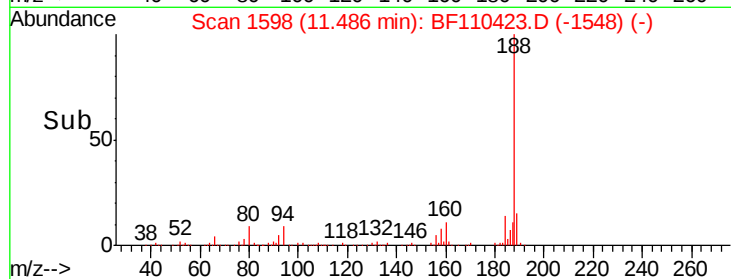
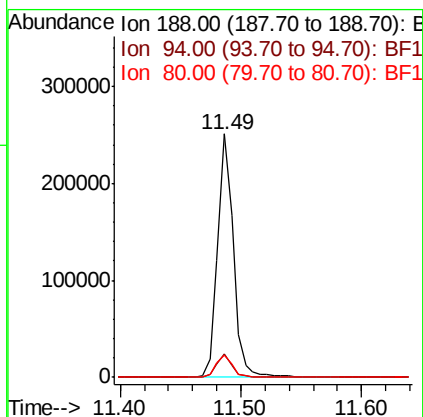
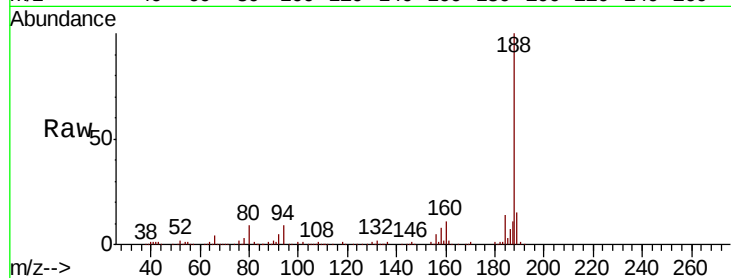




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110423.D
Acq: 2 Nov 2018 20:29

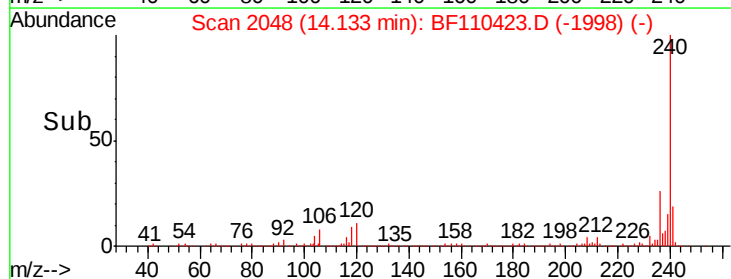
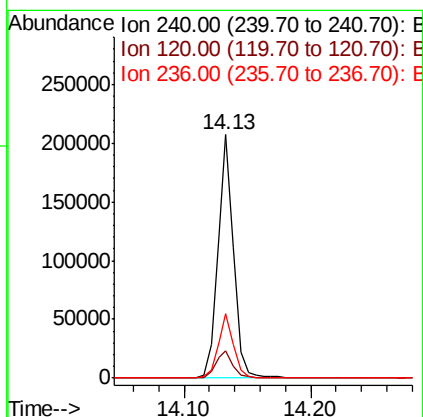
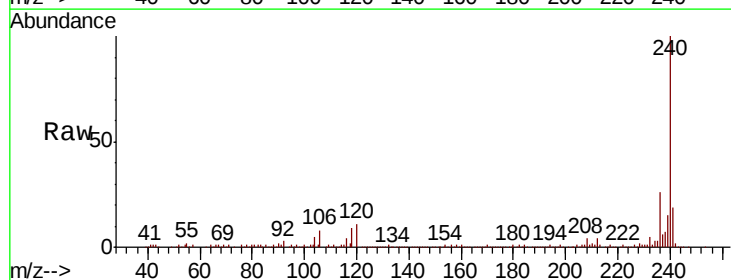
Instrument :
BNA_F
ClientSampleId :

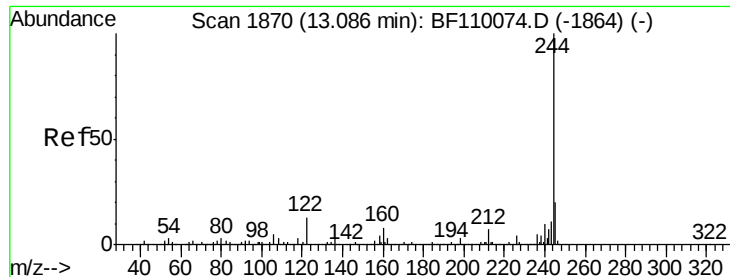
Tot Ion:188 Resp: 223455
Ion Ratio Lower Upper
188 100
94 9.4 7.2 10.8
80 9.0 7.9 11.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF110423.D
Acq: 2 Nov 2018 20:29

Tgt Ion:240 Resp: 180591
Ion Ratio Lower Upper
240 100
120 11.3 8.3 12.5
236 26.2 21.2 31.8





#79

Terphenyl-d14

Concen: 11.256 ng

RT: 13.07 min Scan# 1867

Delta R.T. -0.01 min

Lab File: BF110423.D

Acq: 2 Nov 2018 20:29

Instrument :

BNA_F

ClientSampled :

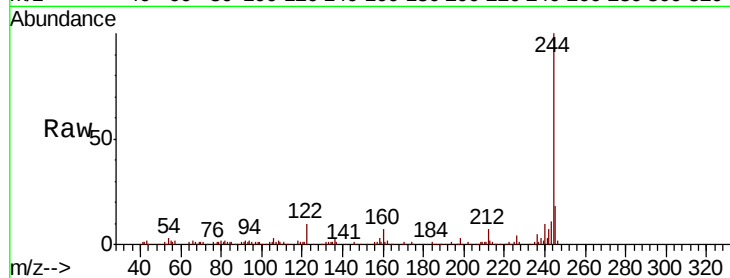
Tot Ion:244 Resp: 97738

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

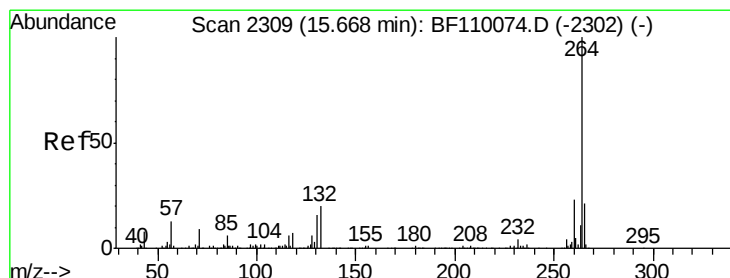
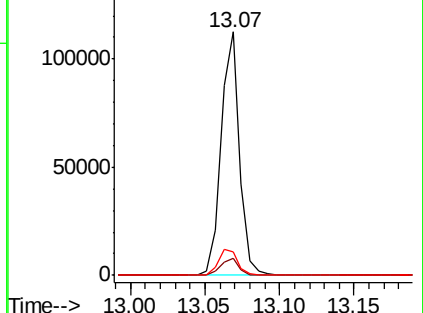
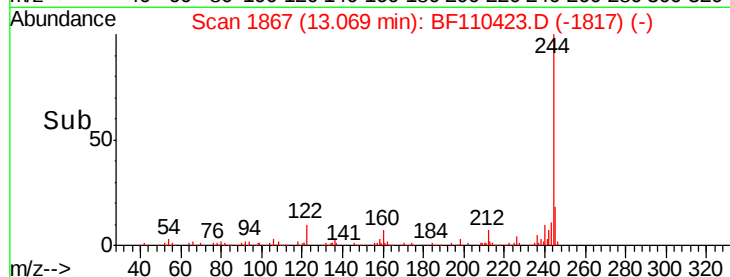
122 9.8 8.7 13.1



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: 15.66 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BF110423.D

Acq: 2 Nov 2018 20:29

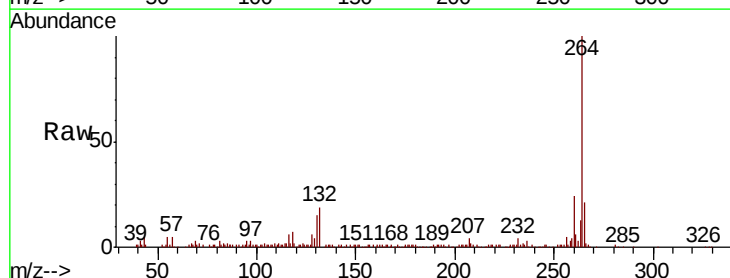
Tgt Ion:264 Resp: 134420

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

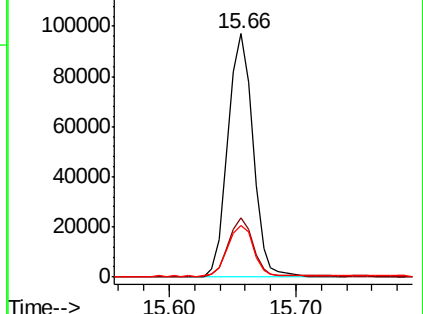
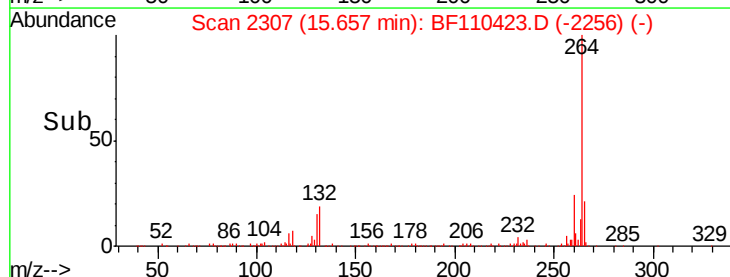
265 21.3 16.7 25.1

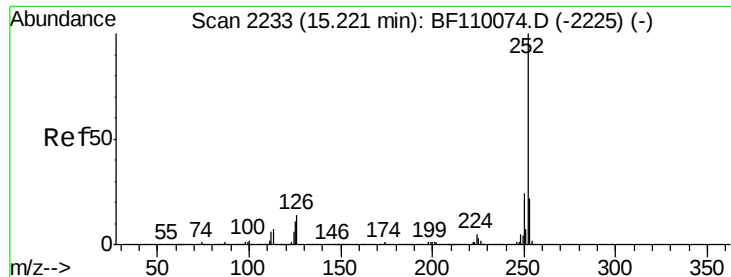


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

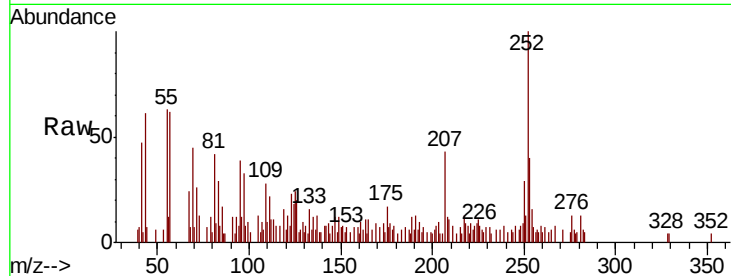




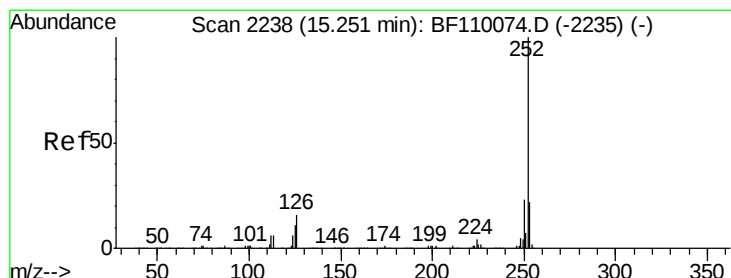
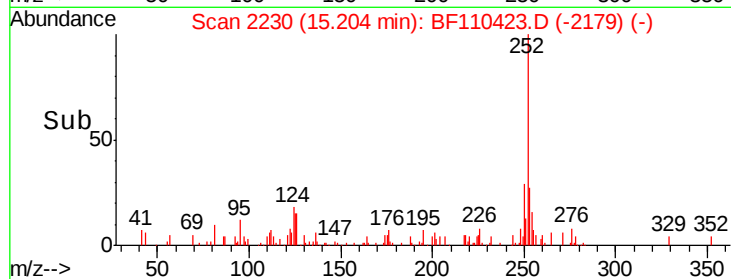
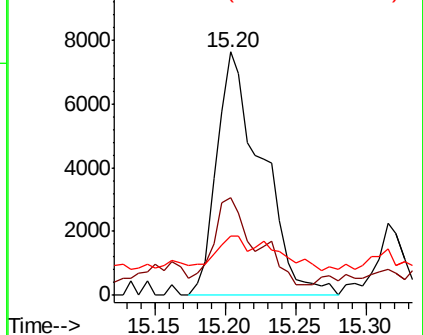
#88
Benzo(b)fluoranthene
Concen: 2.198 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110423.D
Acq: 2 Nov 2018 20:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 17064
Ion Ratio Lower Upper
252 100
253 39.9 17.2 25.8#
125 24.5 8.2 12.4#

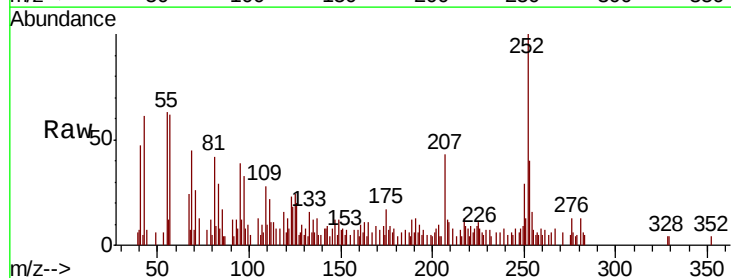


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.236 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110423.D
Acq: 2 Nov 2018 20:29

Tgt Ion:252 Resp: 17064
Ion Ratio Lower Upper
252 100
253 39.9 17.2 25.8#
125 24.5 7.4 11.0#



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

