

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082619\
 Data File : BF116574.D
 Acq On : 26 Aug 2019 15:03
 Operator : HP/JU
 Sample : K4462-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-COMP

Quant Time: Aug 27 04:09:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	109719	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	428963	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	226364	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	380875	20.00	ng	0.00
76) Chrysene-d12	14.03	240	214161	20.00	ng	0.00
87) Perylene-d12	15.51	264	235225	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	578147	76.99	ng	0.00
7) Phenol-d6	6.50	99	780600	84.78	ng	0.00
23) Nitrobenzene-d5	7.44	82	496300	63.30	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	191553	98.55	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	854799	60.81	ng	0.00
79) Terphenyl-d14	12.98	244	745607	65.03	ng	0.00

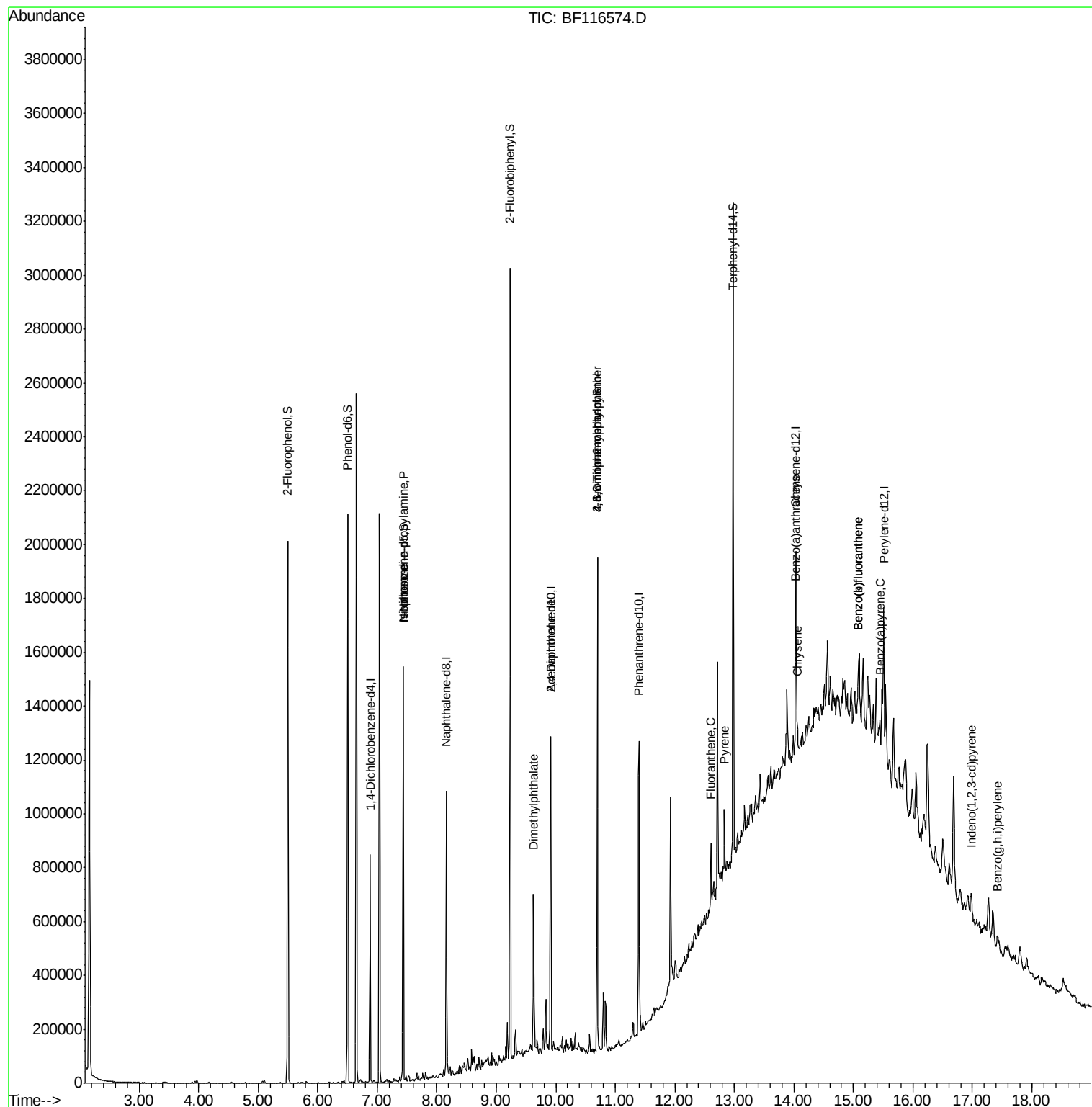
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.44	70	68626	10.923	ng	# 77
25) Isophorone	7.44	82	493231	31.922	ng	# 67
50) Dimethylphthalate	9.62	163	166368	10.534	ng	# 99
57) 2,4-Dinitrotoluene	9.92	165	29736	7.229	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.70	198	653	7.362	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	12852	3.219	ng	# 1
75) Fluoranthene	12.60	202	88771	4.138	ng	96
78) Pyrene	12.83	202	108510	6.336	ng	98
81) Benzo(a)anthracene	14.02	228	45607	3.288	ng	# 86
83) Chrysene	14.06	228	45065	3.206	ng	# 89
86) Indeno(1,2,3-cd)pyrene	16.97	276	37138	3.084	ng	96
88) Benzo(b)fluoranthene	15.07	252	104905	7.219	ng	# 74
89) Benzo(k)fluoranthene	15.07	252	104905	7.969	ng	# 73
90) Benzo(a)pyrene	15.44	252	49486	3.853	ng	# 72
92) Benzo(g,h,i)perylene	17.42	276	41019	4.077	ng	94

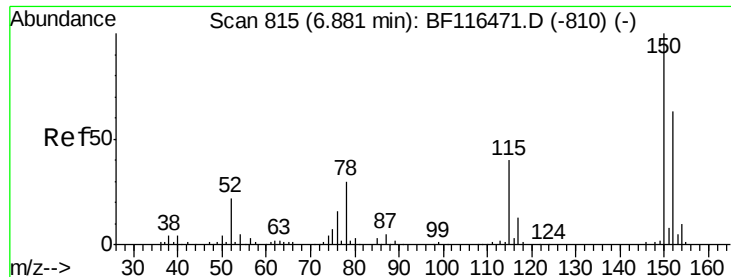
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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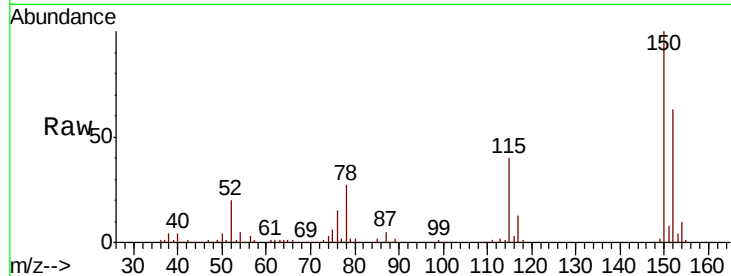


#1

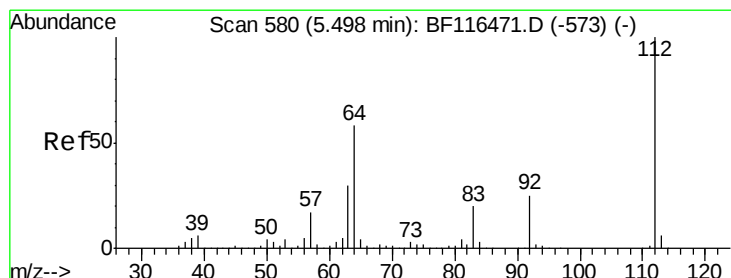
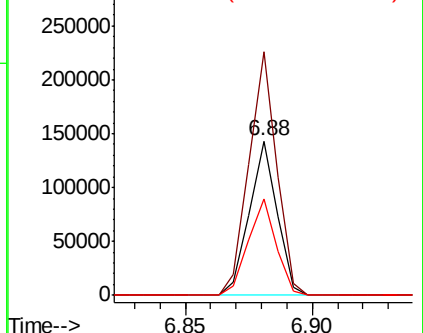
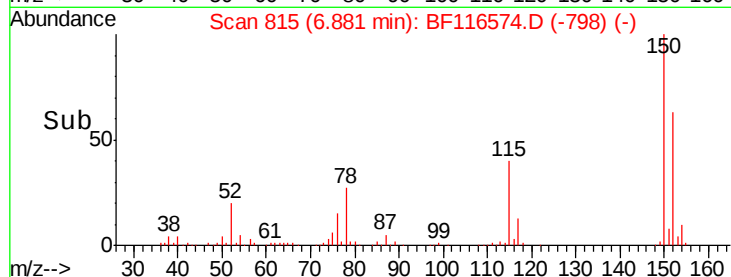
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.00 min
 Lab File: BF116574.D
 Acq: 26 Aug 2019 15:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-COMP

Tgt Ion:152 Resp: 109719
 Ion Ratio Lower Upper
 152 100
 150 157.5 126.7 190.1
 115 62.7 50.9 76.3



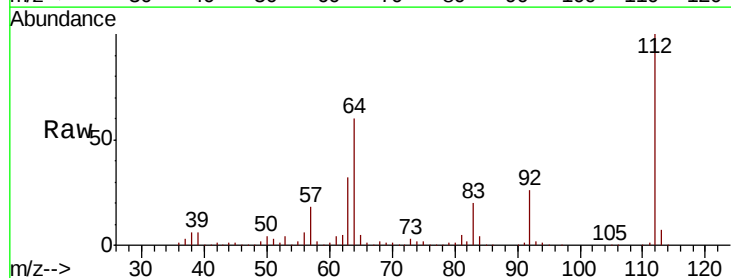
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



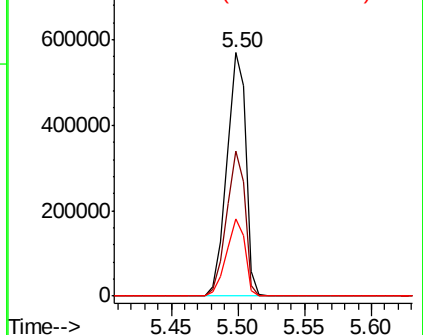
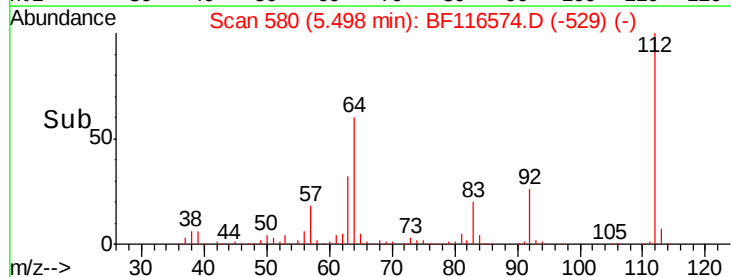
#5

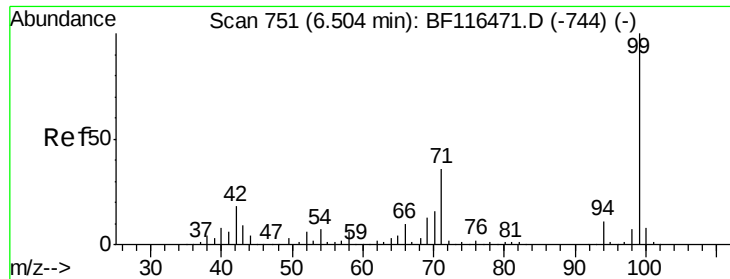
2-Fluorophenol
 Concen: 76.993 ng
 RT: 5.50 min Scan# 580
 Delta R.T. -0.00 min
 Lab File: BF116574.D
 Acq: 26 Aug 2019 15:03

Tgt Ion:112 Resp: 578147
 Ion Ratio Lower Upper
 112 100
 64 59.8 46.3 69.5
 63 32.0 24.2 36.4



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: 84.781 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116574.D

Acq: 26 Aug 2019 15:03

Instrument :

BNA_F

ClientSampleId :

SB-46-COMP

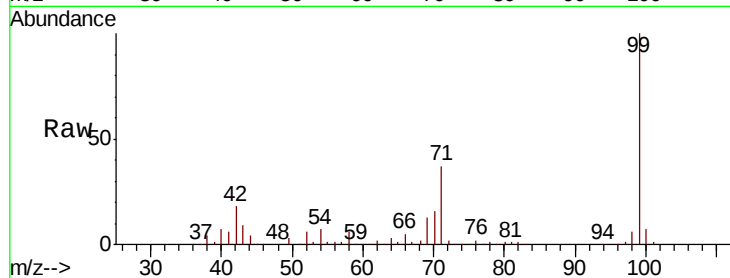
Tgt Ion: 99 Resp: 780600

Ion Ratio Lower Upper

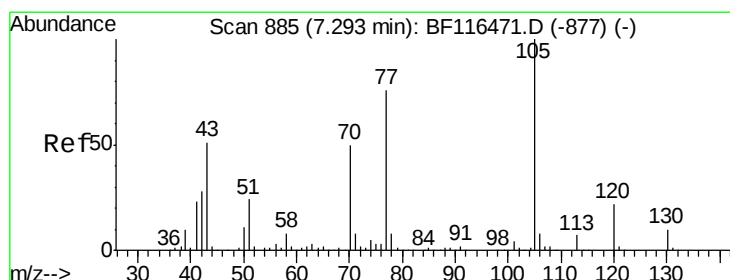
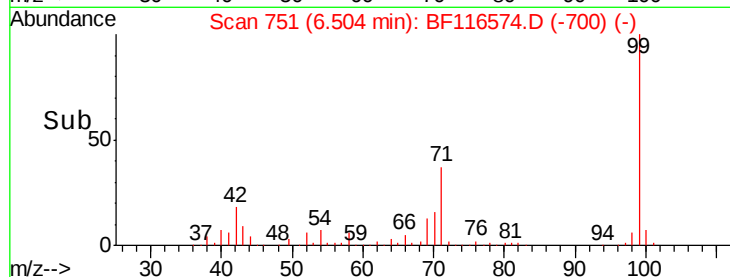
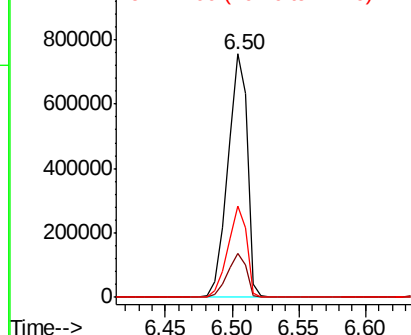
99 100

42 18.0 14.6 21.8

71 37.3 28.5 42.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.923 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116574.D

Acq: 26 Aug 2019 15:03

Tgt Ion: 70 Resp: 68626

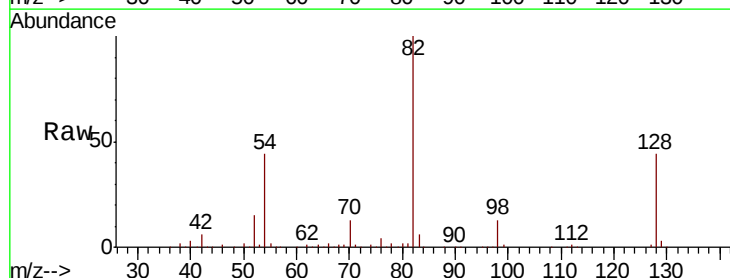
Ion Ratio Lower Upper

70 100

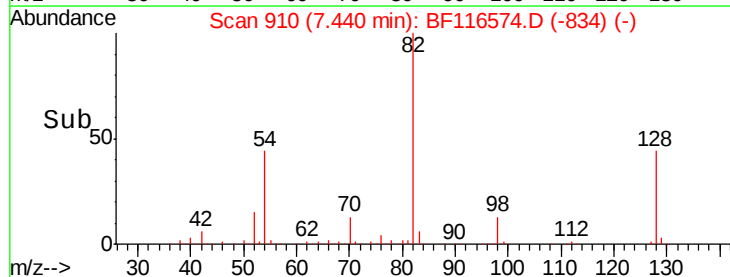
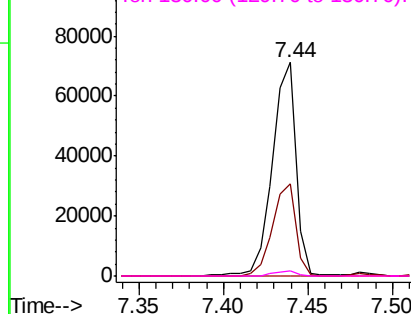
42 43.3 44.4 66.6#

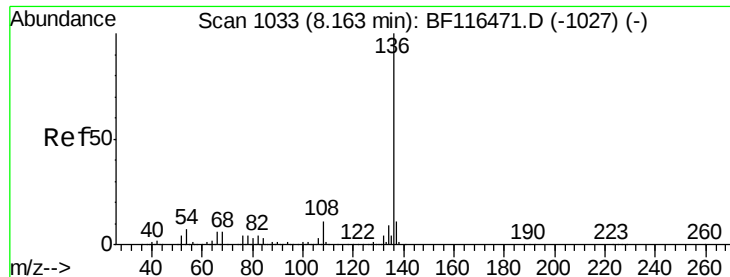
101 0.0 7.1 10.7#

130 2.2 15.8 23.8#



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): E
Ion 130.00 (129.70 to 130.70): E

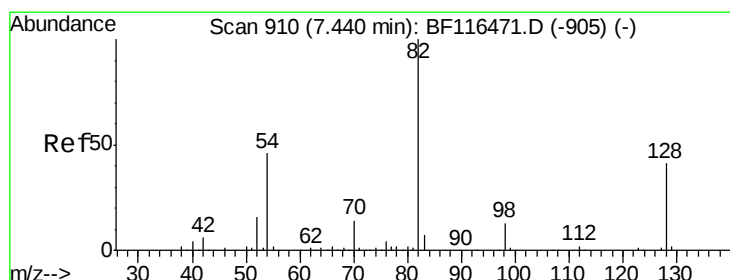
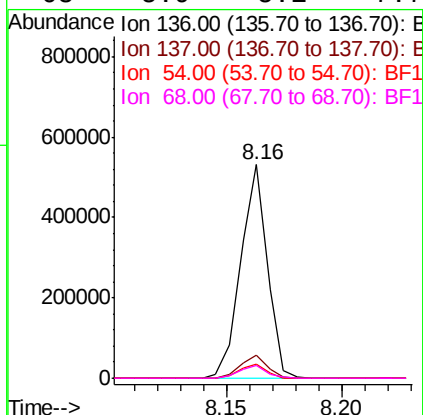
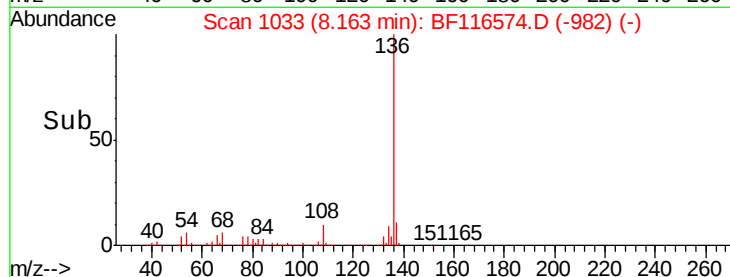
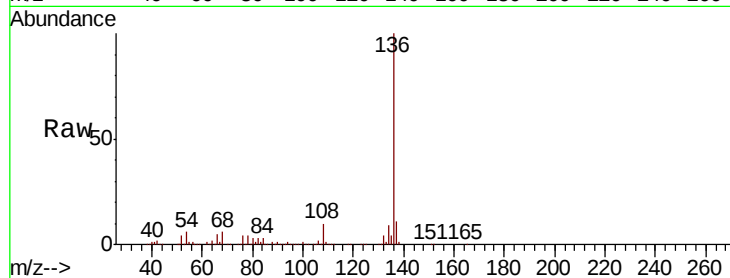




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF116574.D
Acq: 26 Aug 2019 15:03

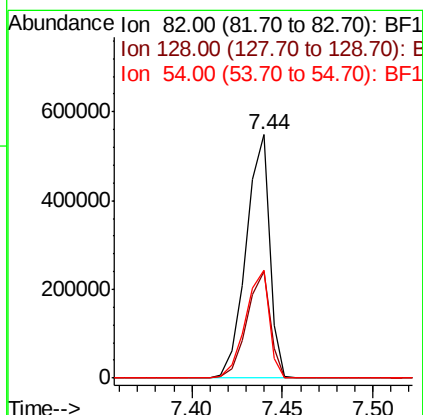
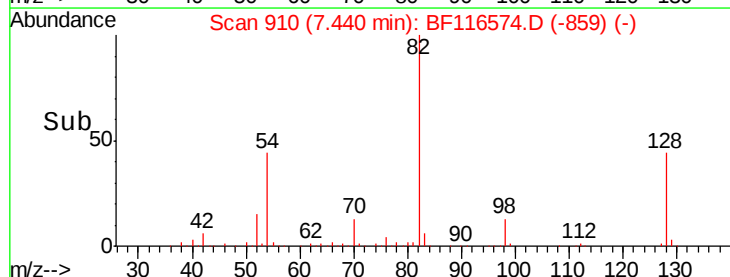
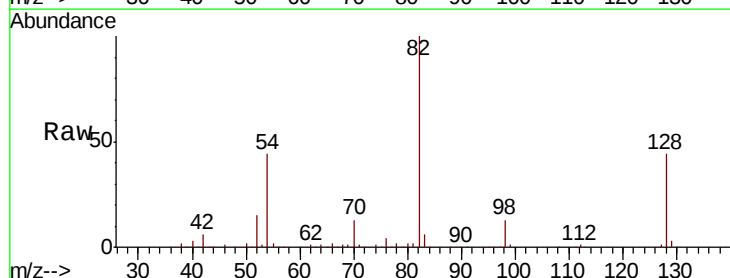
Instrument :
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SB-46-COMP

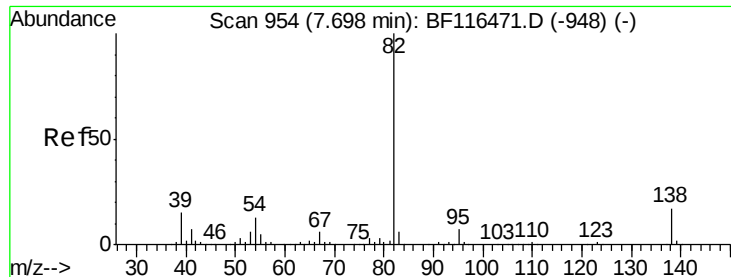
Tgt Ion:	136	Resp:	428963
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	6.5	5.8	8.6
68	5.9	5.1	7.7



#23
Nitrobenzene-d5
Concen: 63.298 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF116574.D
Acq: 26 Aug 2019 15:03

Tgt Ion:	82	Resp:	496300
Ion	Ratio	Lower	Upper
82	100		
128	44.0	32.2	48.4
54	44.4	36.5	54.7





#25

Isophorone

Concen: 31.922 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116574.D

Acq: 26 Aug 2019 15:03

Instrument :

BNA_F

ClientSampleId :

SB-46-COMP

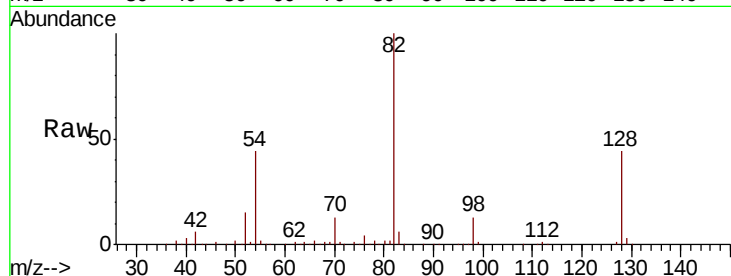
Tgt Ion: 82 Resp: 493231

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

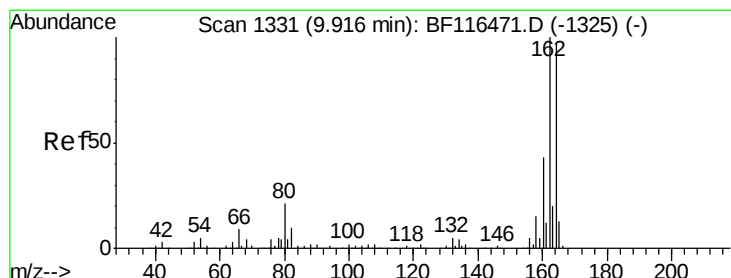
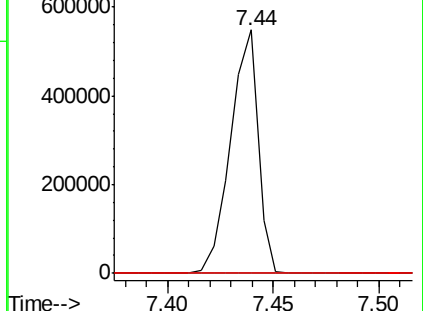
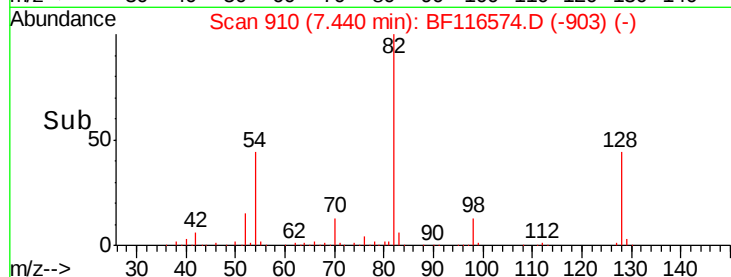
138 0.0 13.3 19.9#



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: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF116574.D

Acq: 26 Aug 2019 15:03

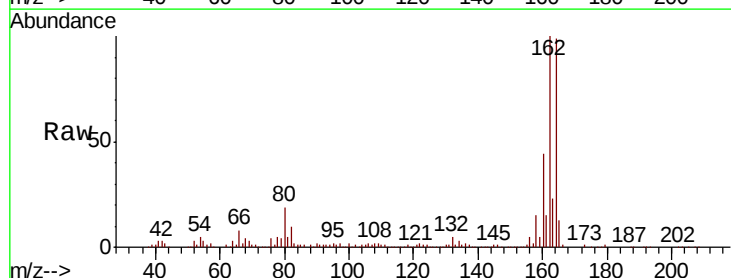
Tgt Ion: 164 Resp: 226364

Ion Ratio Lower Upper

164 100

162 100.9 82.6 123.8

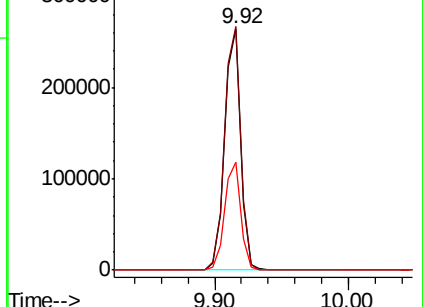
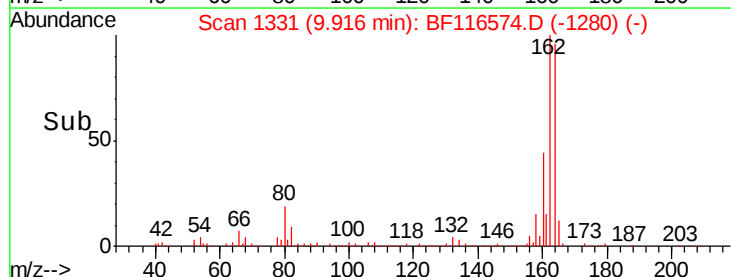
160 44.8 35.8 53.8

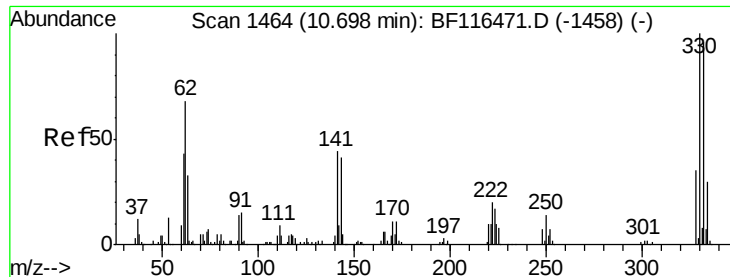


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

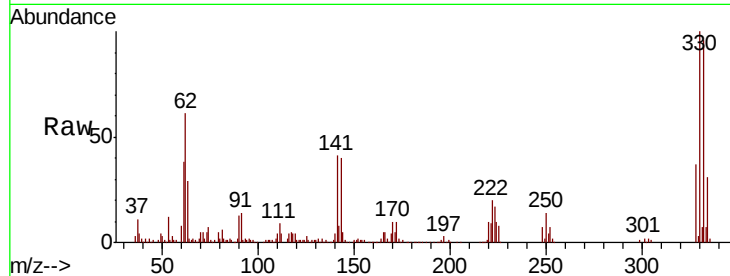




#42
 2,4,6-Tribromophenol
 Concen: 98.549 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116574.D
 Acq: 26 Aug 2019 15:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-COMP

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.2	115.8
141	38.6	33.3	49.9

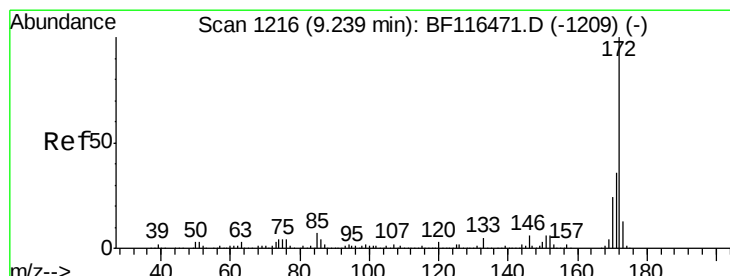
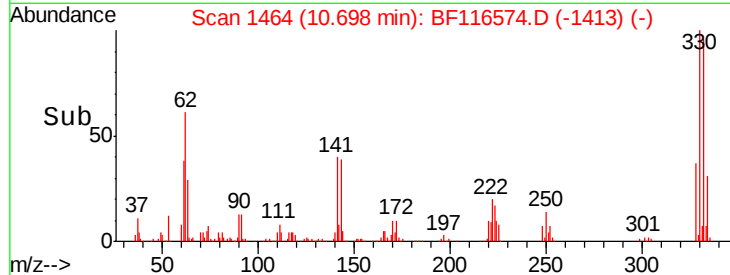
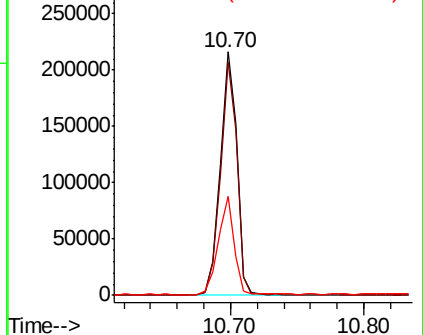


Abundance

Ion 329.80 (329.50 to 330.50): E

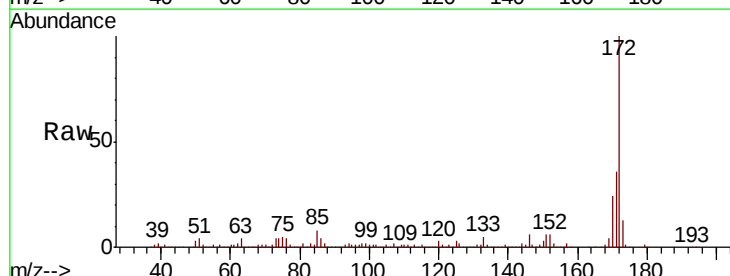
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 60.812 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF116574.D
 Acq: 26 Aug 2019 15:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.9	43.3
170	23.7	19.4	29.0

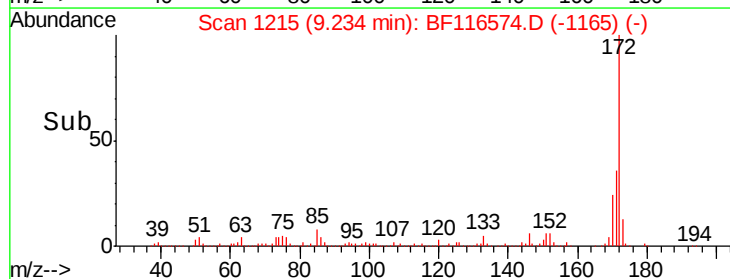
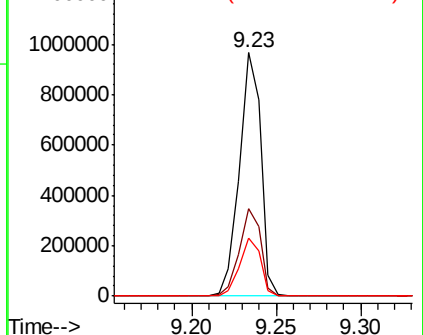


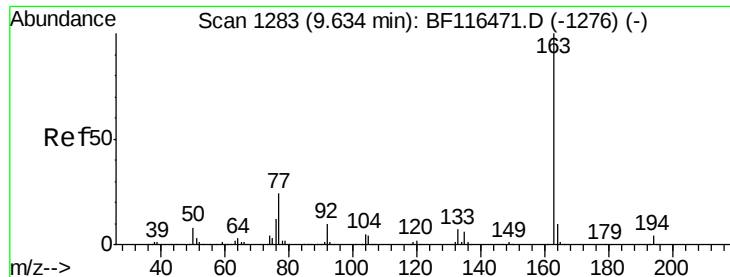
Abundance

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

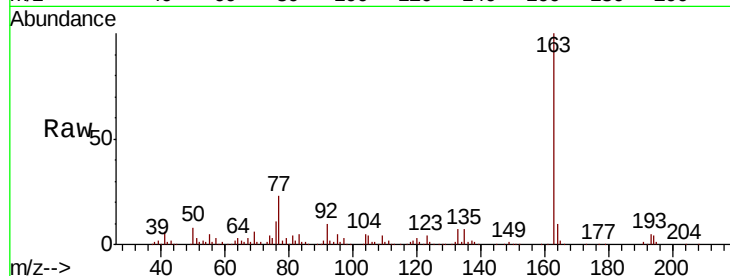




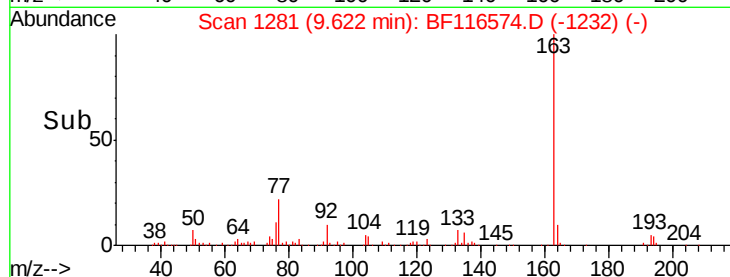
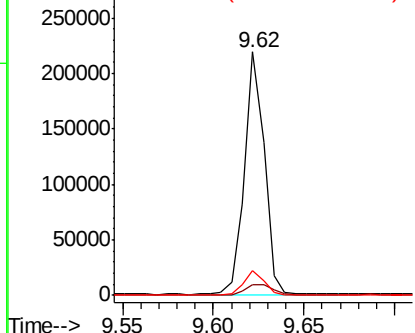
#50
 Dimethylphthalate
 Concen: 10.534 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF116574.D
 Acq: 26 Aug 2019 15:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-COMP

Tgt Ion:163 Resp: 166368
 Ion Ratio Lower Upper
 163 100
 194 4.4 2.9 4.3#
 164 10.3 8.2 12.2



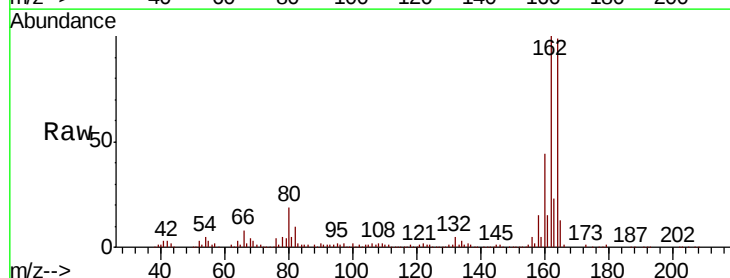
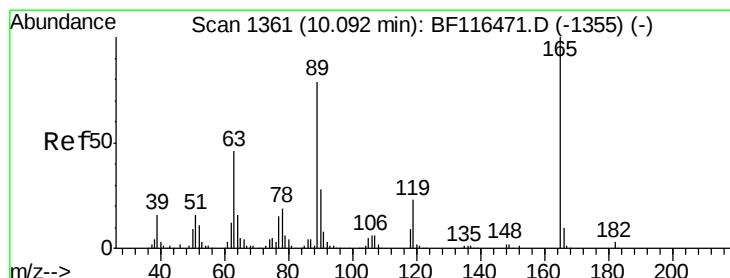
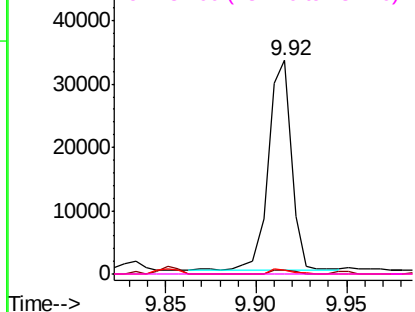
Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

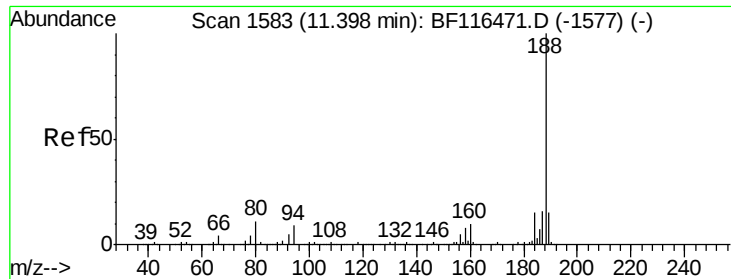


#57
 2,4-Dinitrotoluene
 Concen: 7.229 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.18 min
 Lab File: BF116574.D
 Acq: 26 Aug 2019 15:03

Tgt Ion:165 Resp: 29736
 Ion Ratio Lower Upper
 165 100
 63 1.6 36.9 55.3#
 89 2.0 63.4 95.0#
 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): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF116574.D

Acq: 26 Aug 2019 15:03

Instrument :

BNA_F

ClientSampleId :

SB-46-COMP

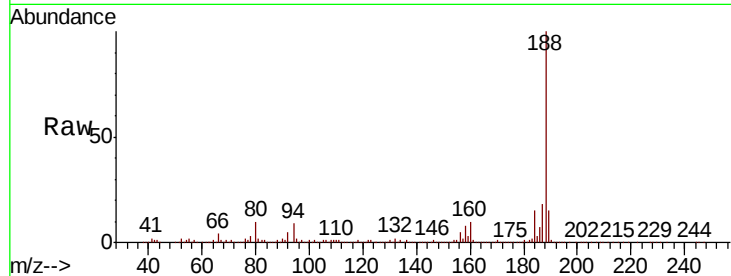
Tgt Ion:188 Resp: 380875

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

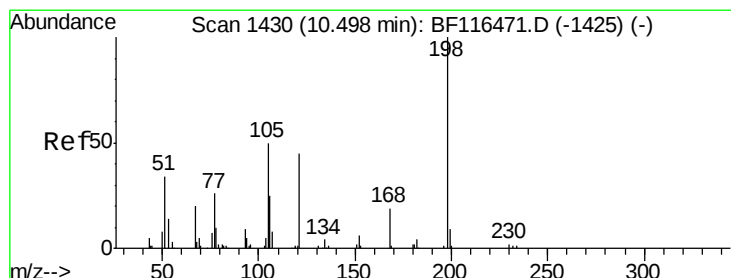
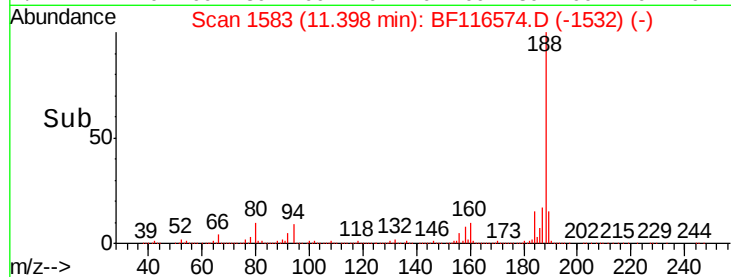
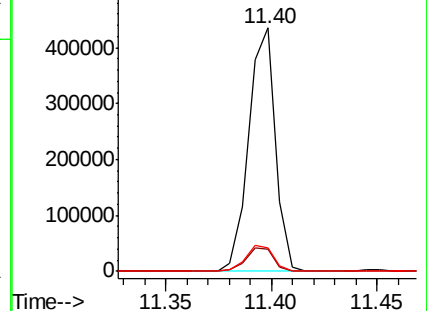
80 9.9 8.6 12.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.362 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.20 min

Lab File: BF116574.D

Acq: 26 Aug 2019 15:03

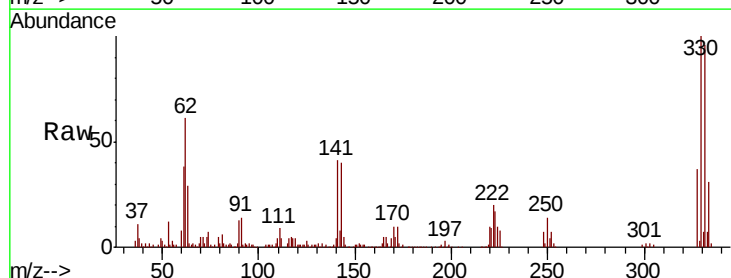
Tgt Ion:198 Resp: 653

Ion Ratio Lower Upper

198 100

51 197.1 30.4 70.4#

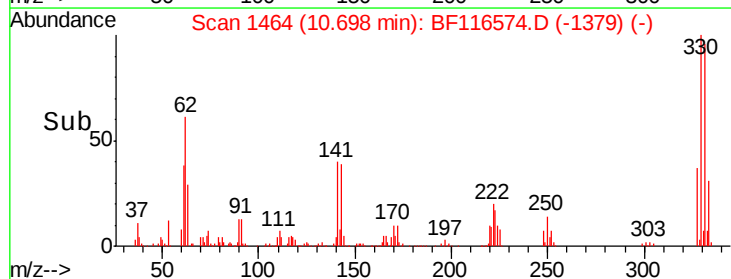
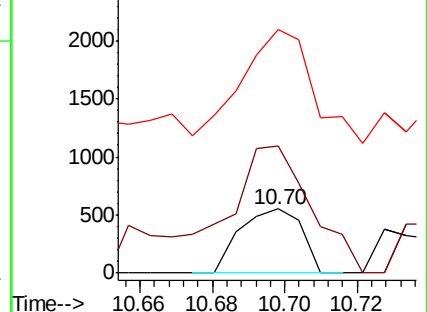
105 379.0 32.8 72.8#

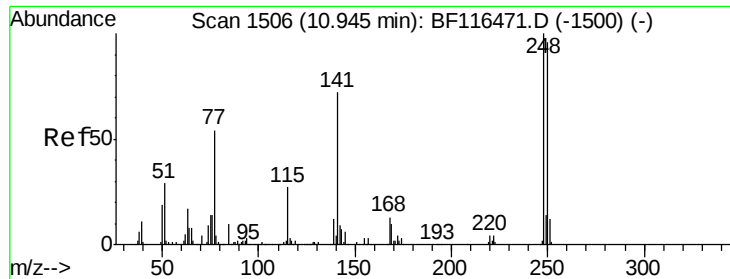


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

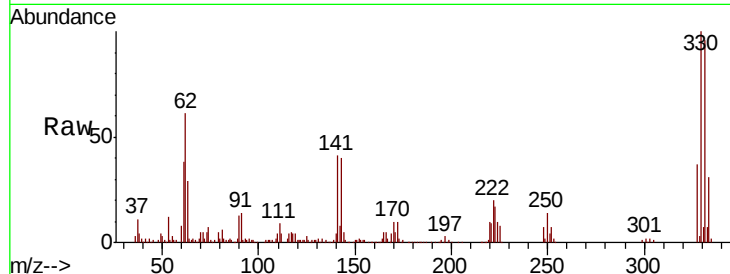




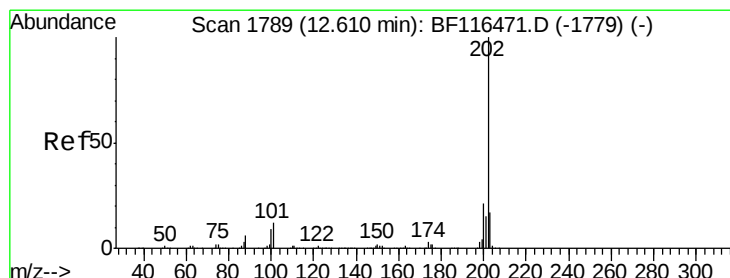
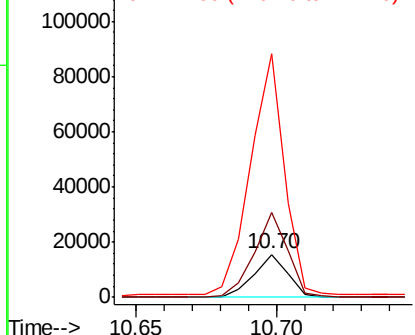
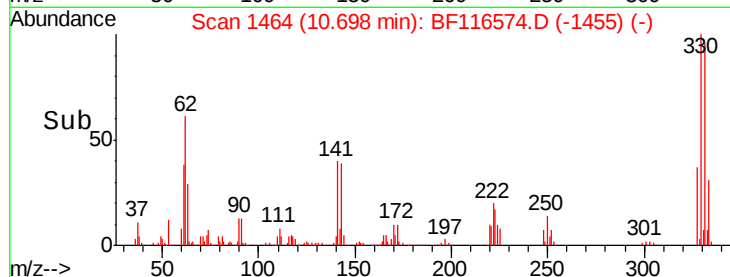
#67
4-Bromophenyl-phenylether
Concen: 3.219 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.25 min
Lab File: BF116574.D
Acq: 26 Aug 2019 15:03

Instrument :
BNA_F
ClientSampleId :
SB-46-COMP

Tgt Ion:248 Resp: 12852
Ion Ratio Lower Upper
248 100
250 197.7 77.0 115.6#
141 570.6 57.4 86.0#

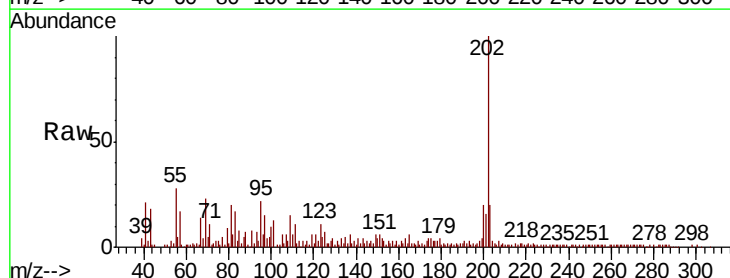


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

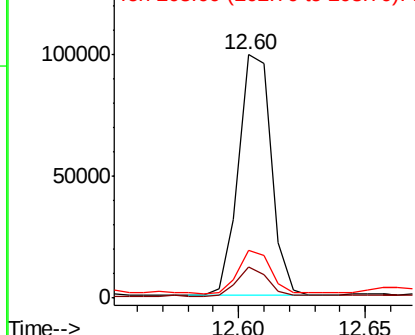
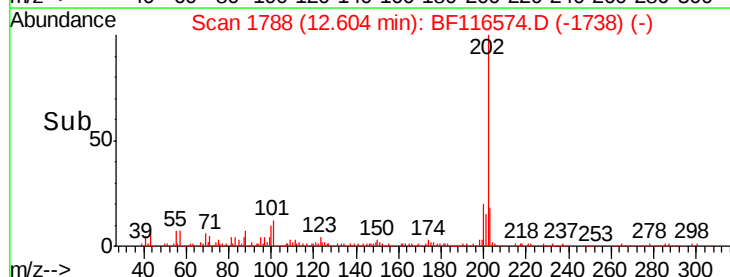


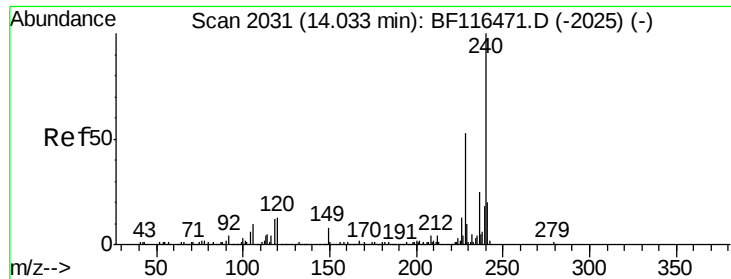
#75
Fluoranthene
Concen: 4.138 ng
RT: 12.60 min Scan# 1788
Delta R.T. -0.01 min
Lab File: BF116574.D
Acq: 26 Aug 2019 15:03

Tgt Ion:202 Resp: 88771
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.5
203 19.7 0.0 37.5



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

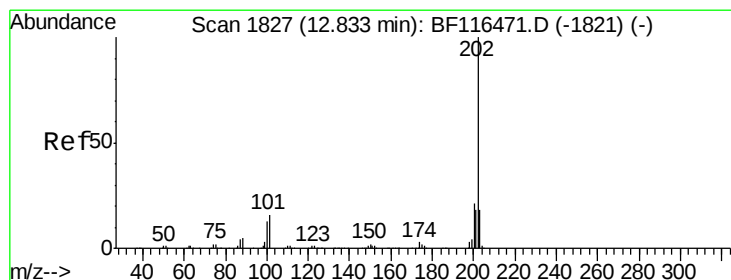
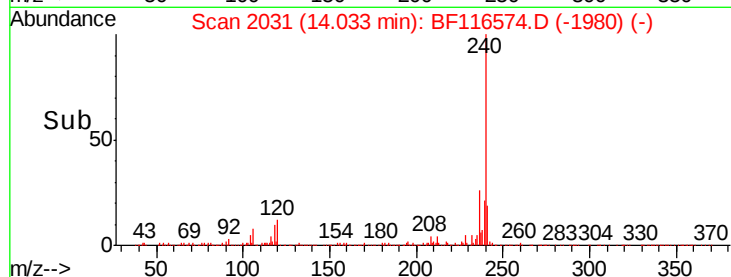
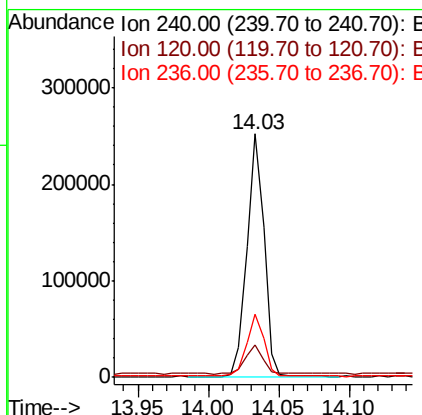
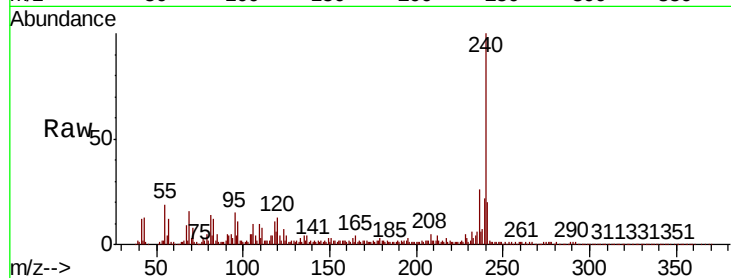




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF116574.D
Acq: 26 Aug 2019 15:03

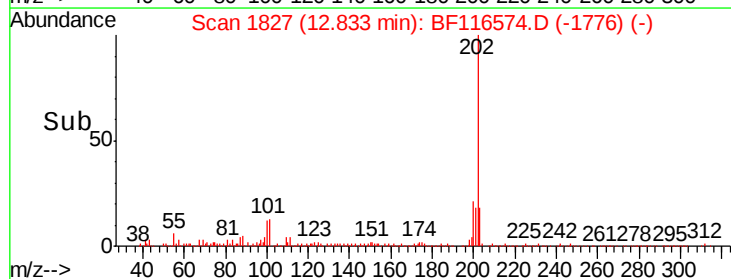
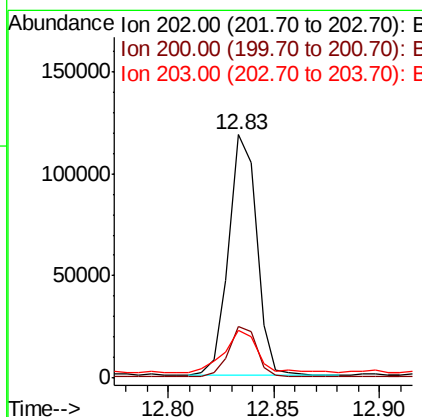
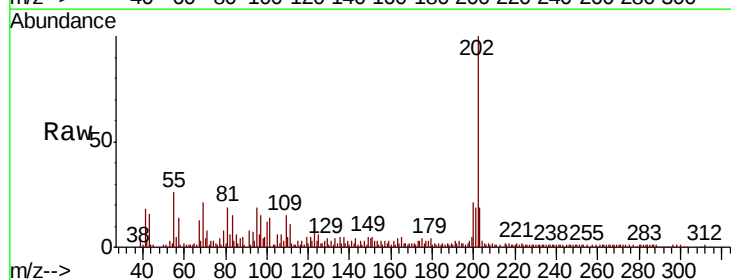
Instrument :
BNA_F
ClientSampleId :
SB-46-COMP

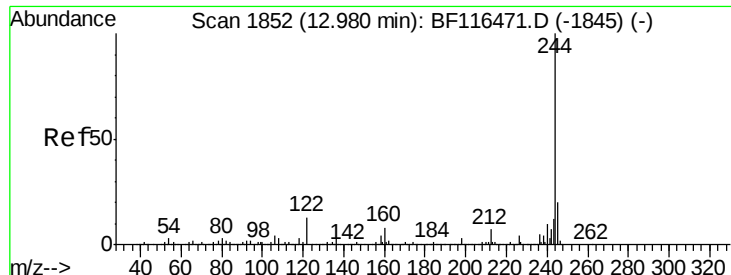
Tgt Ion:240 Resp: 214161
Ion Ratio Lower Upper
240 100
120 13.4 10.5 15.7
236 26.2 20.2 30.2



#78
Pyrene
Concen: 6.336 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF116574.D
Acq: 26 Aug 2019 15:03

Tgt Ion:202 Resp: 108510
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 19.5 14.2 21.4

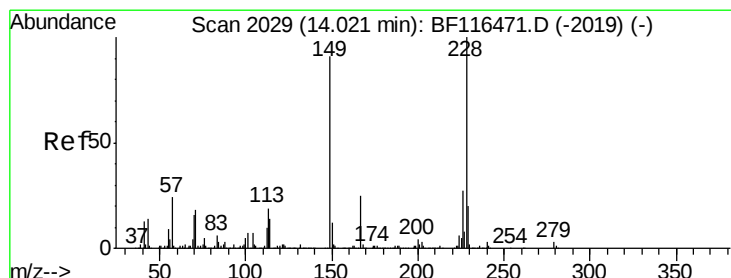
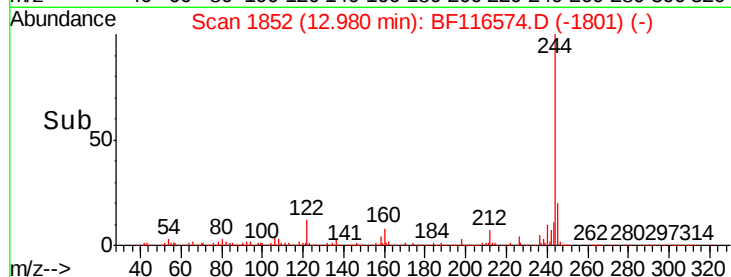
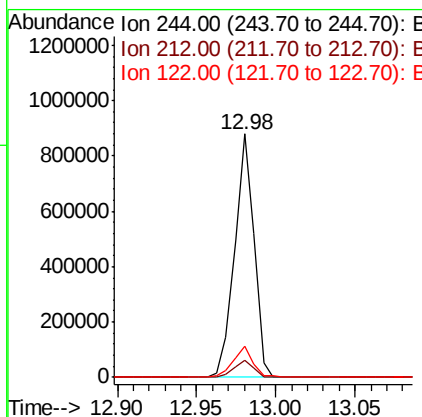
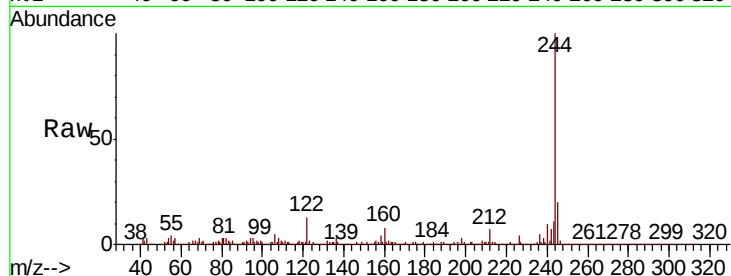




#79
 Terphenyl-d14
 Concen: 65.032 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BF116574.D
 Acq: 26 Aug 2019 15:03

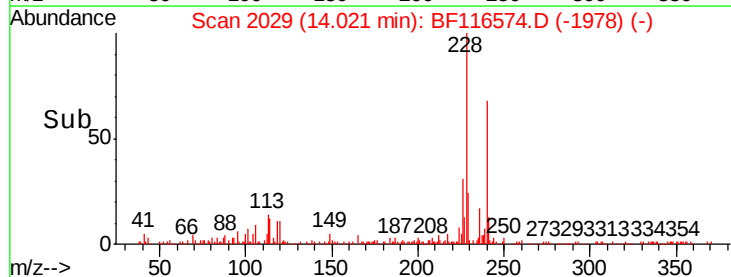
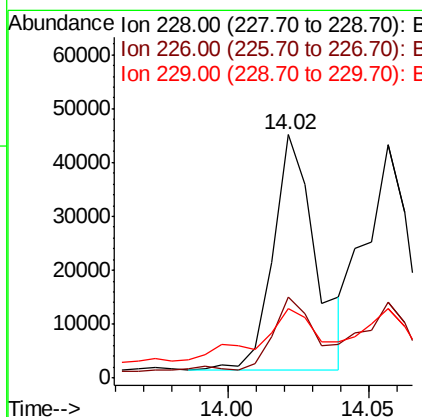
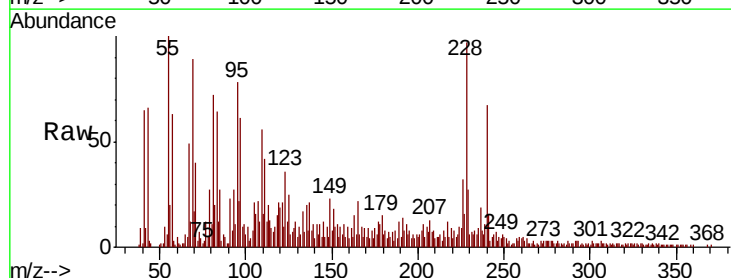
Instrument :
 BNA_F
 ClientSampleId :
 SB-46-COMP

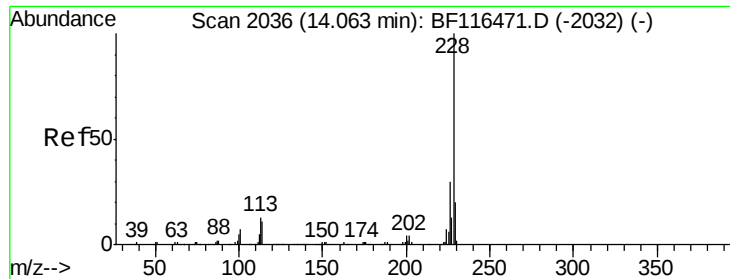
Tgt Ion:244 Resp: 745607
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 12.6 10.2 15.4



#81
 Benzo(a)anthracene
 Concen: 3.288 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: BF116574.D
 Acq: 26 Aug 2019 15:03

Tgt Ion:228 Resp: 45607
 Ion Ratio Lower Upper
 228 100
 226 33.1 21.8 32.6#
 229 28.4 15.9 23.9#





#83

Chrysene

Concen: 3.206 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF116574.D

Acq: 26 Aug 2019 15:03

Instrument :

BNA_F

ClientSampleId :

SB-46-COMP

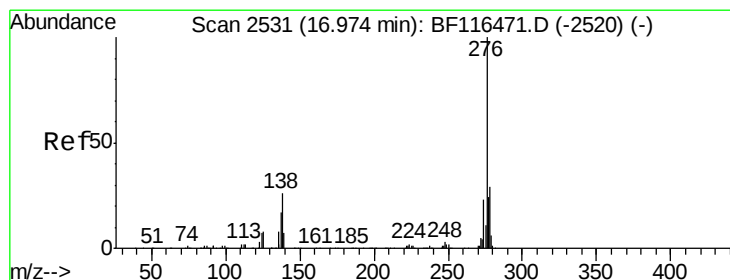
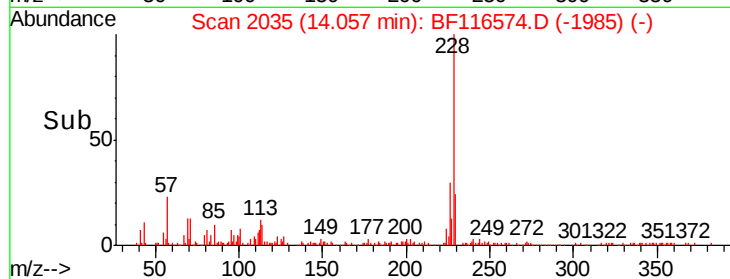
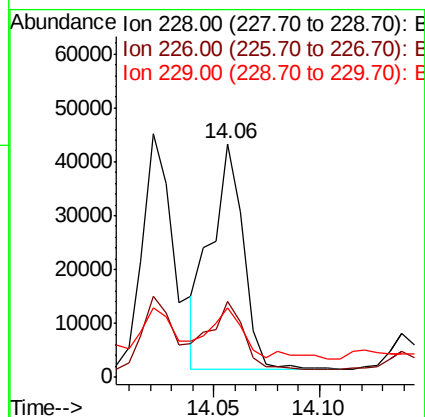
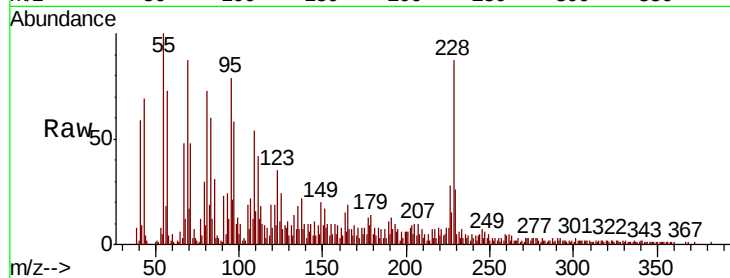
Tgt Ion: 228 Resp: 45065

Ion Ratio Lower Upper

228 100

226 32.3 24.2 36.2

229 29.8 15.8 23.6#



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.084 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.00 min

Lab File: BF116574.D

Acq: 26 Aug 2019 15:03

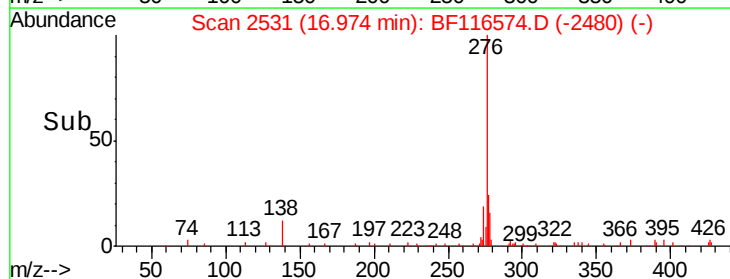
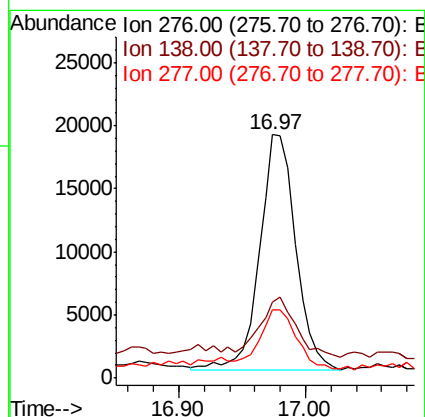
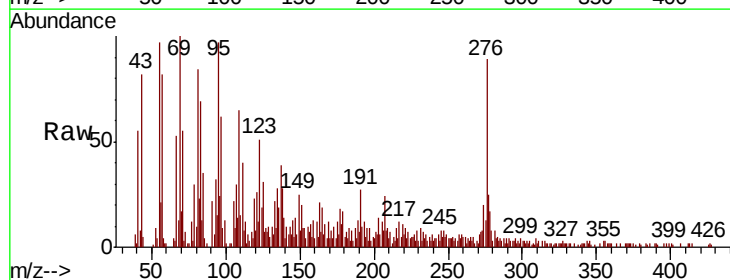
Tgt Ion: 276 Resp: 37138

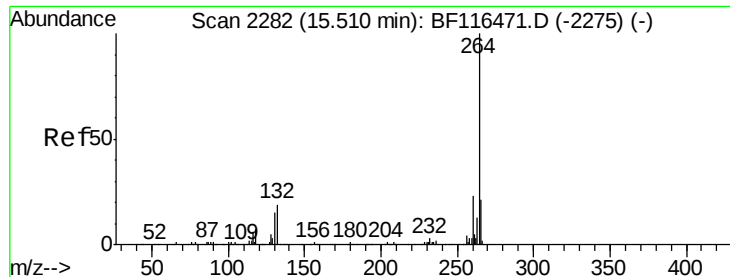
Ion Ratio Lower Upper

276 100

138 24.8 22.9 34.3

277 24.8 19.9 29.9

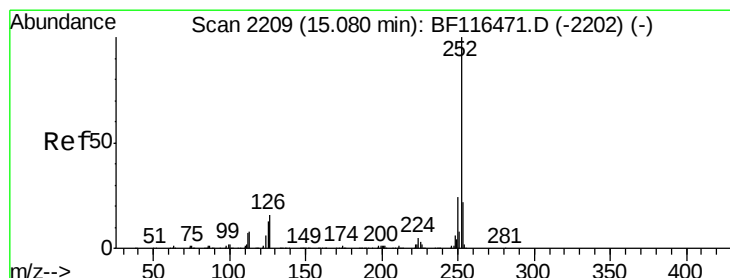
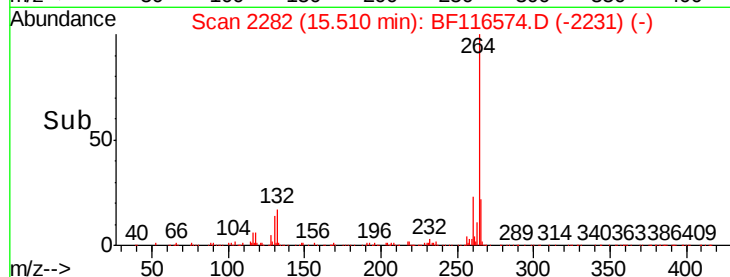
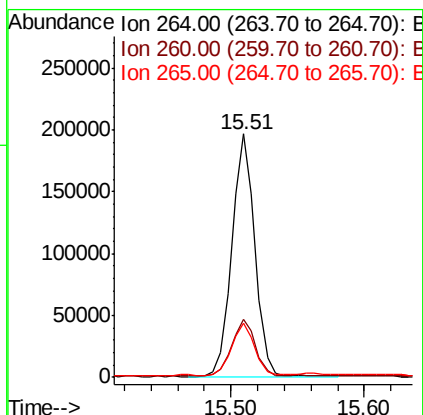
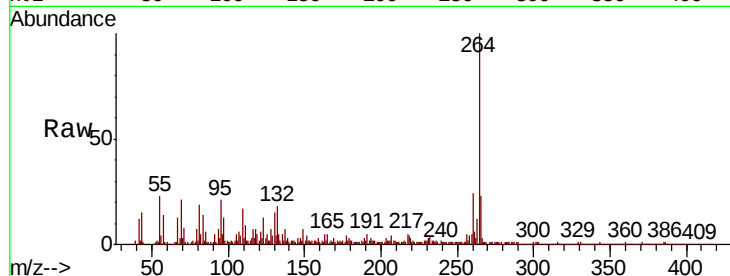




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.00 min
Lab File: BF116574.D
Acq: 26 Aug 2019 15:03

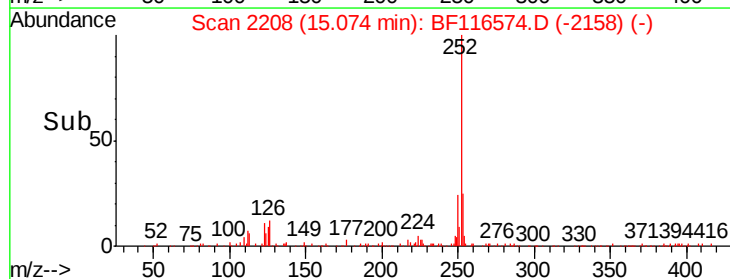
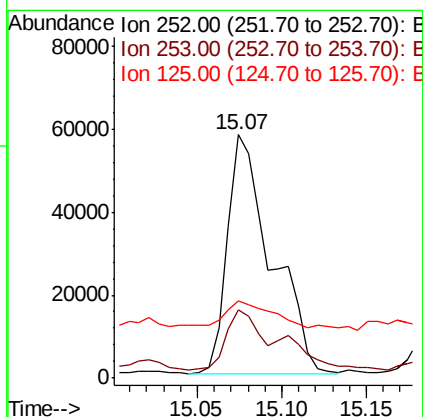
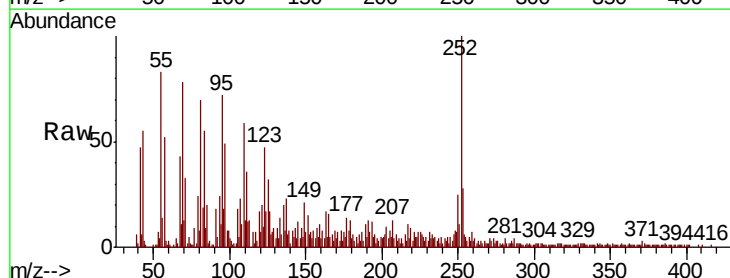
Instrument :
BNA_F
ClientSampleId :
SB-46-COMP

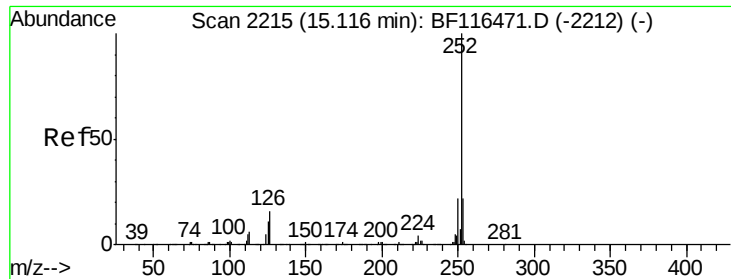
Tgt Ion:	264	Resp:	235225
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	22.5	17.1	25.7



#88
Benzo(b)fluoranthene
Concen: 7.219 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF116574.D
Acq: 26 Aug 2019 15:03

Tgt Ion:	252	Resp:	104905
Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.5	26.3#
125	31.8	10.1	15.1#

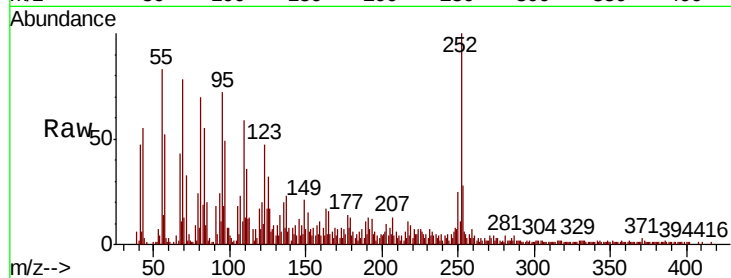




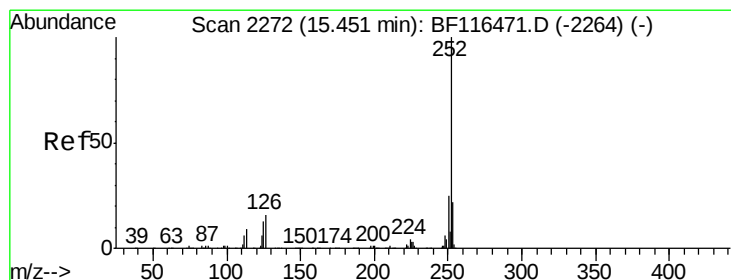
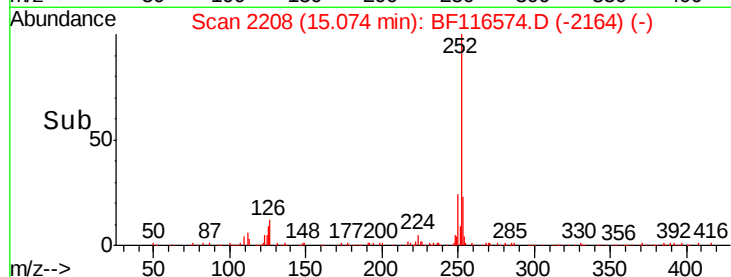
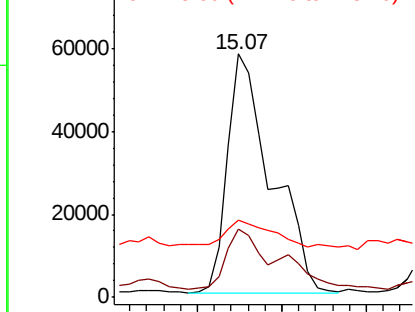
#89
Benzo(k)fluoranthene
Concen: 7.969 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF116574.D
Acq: 26 Aug 2019 15:03

Instrument :
BNA_F
ClientSampleId :
SB-46-COMP

Tgt Ion: 252 Resp: 104905
Ion Ratio Lower Upper
252 100
253 27.8 17.4 26.2#
125 31.8 9.1 13.7#

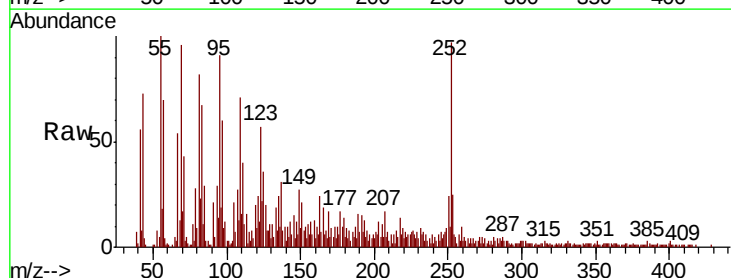


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

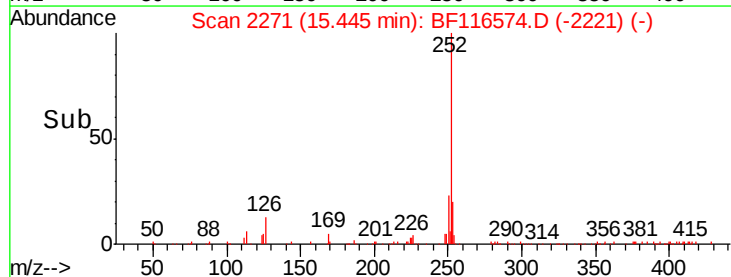
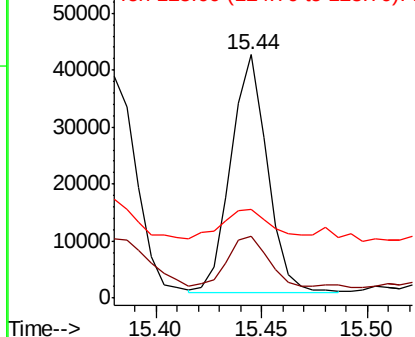


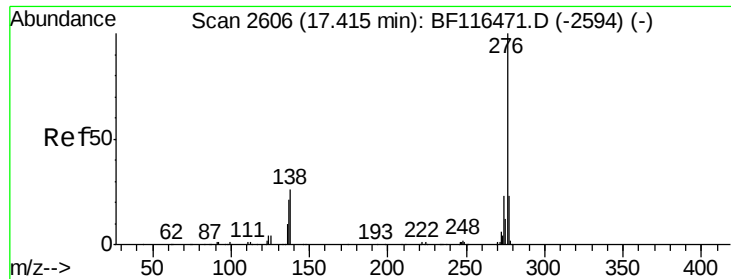
#90
Benzo(a)pyrene
Concen: 3.853 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF116574.D
Acq: 26 Aug 2019 15:03

Tgt Ion: 252 Resp: 49486
Ion Ratio Lower Upper
252 100
253 25.4 17.2 25.8
125 36.6 10.2 15.4#



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

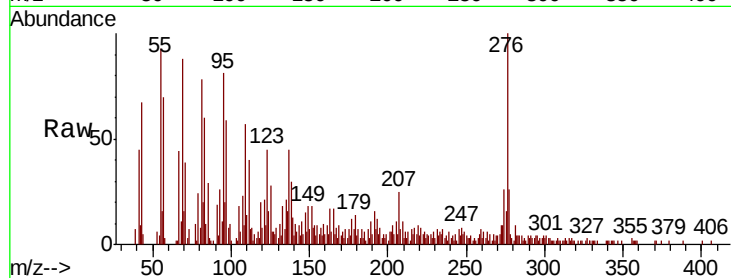




#92
 Benzo(g,h,i)perylene
 Concen: 4.077 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. 0.01 min
 Lab File: BF116574.D
 Acq: 26 Aug 2019 15:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-46-COMP

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.7	28.1
138	29.6	20.8	31.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

