

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116547.D
 Acq On : 26 Aug 2019 00:55
 Operator : HP/JU
 Sample : K4509-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 06:31:36 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	6.89	152	132405	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	492366	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	221558	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	299961	20.00	ng	0.00
76) Chrysene-d12	14.03	240	206327	20.00	ng	0.00
87) Perylene-d12	15.50	264	178388	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	654495	72.23	ng	0.01
7) Phenol-d6	6.51	99	868492	78.17	ng	0.00
23) Nitrobenzene-d5	7.44	82	517331	57.48	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	80744	42.44	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1002806	72.89	ng	0.00
79) Terphenyl-d14	12.98	244	710979	64.37	ng	0.00

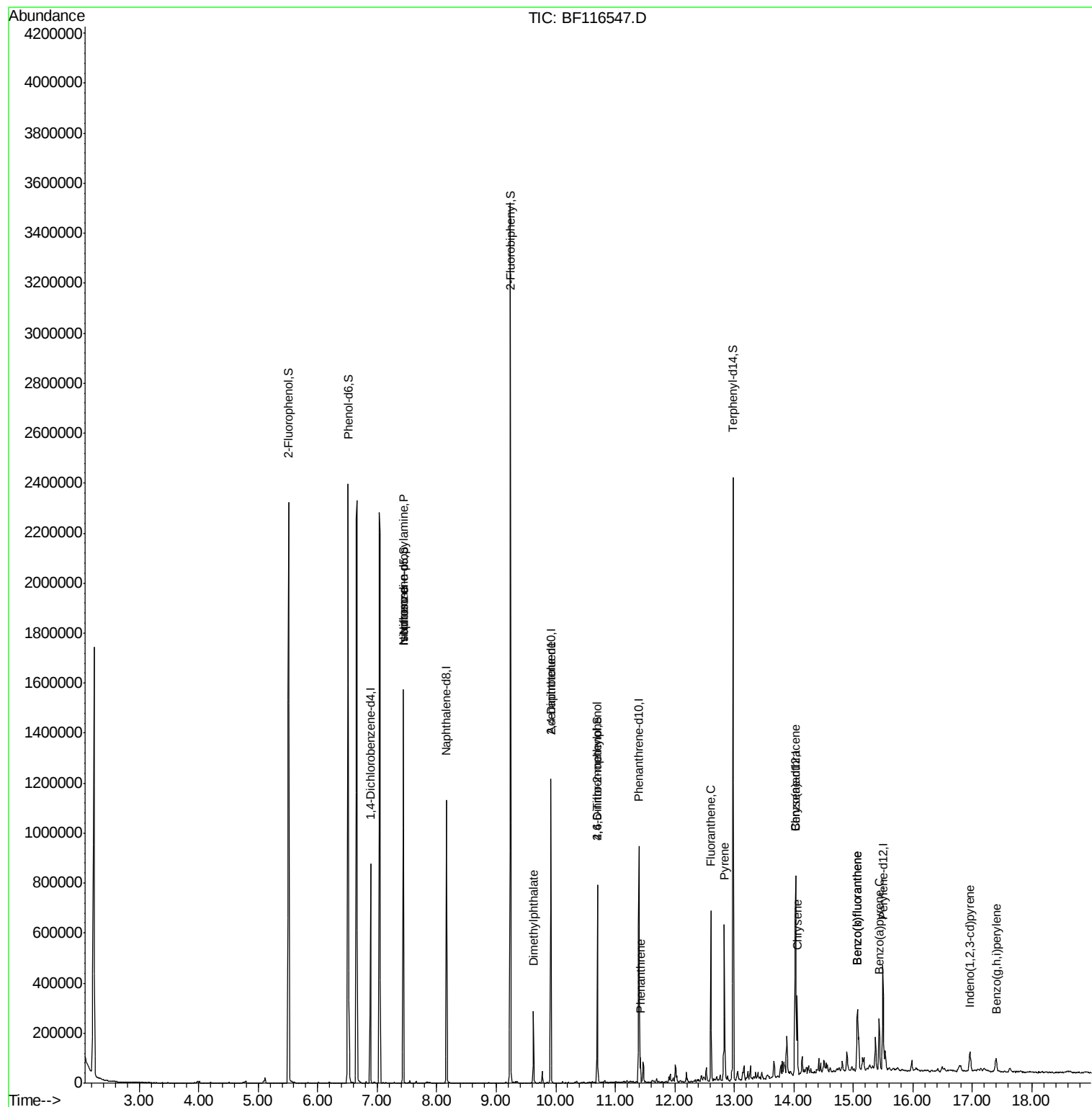
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	68967	9.096	ng	# 77
25) Isophorone	7.44	82	517320	29.169	ng	# 67
50) Dimethylphthalate	9.63	163	122555	7.928	ng	98
57) 2,4-Dinitrotoluene	9.92	165	27540	6.840	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.70	198	107	7.080	ng	# 1
71) Phenanthrene	11.42	178	35185	2.153	ng	99
75) Fluoranthene	12.61	202	260490	15.419	ng	99
78) Pyrene	12.83	202	244322	14.807	ng	99
81) Benzo(a)anthracene	14.02	228	128723	9.633	ng	97
83) Chrysene	14.06	228	118052	8.716	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	52674	4.540	ng	94
88) Benzo(b)fluoranthene	15.07	252	181028	16.427	ng	98
89) Benzo(k)fluoranthene	15.07	252	181028	18.133	ng	99
90) Benzo(a)pyrene	15.43	252	90436	9.285	ng	98
92) Benzo(a,h,i)perylene	17.40	276	44647	5.852	ng	93

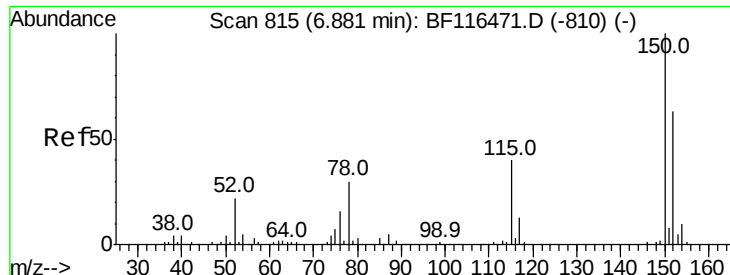
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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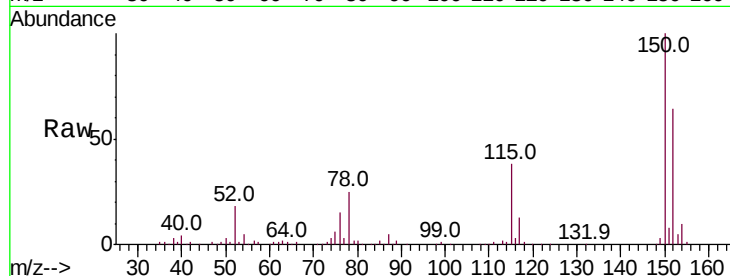


#1

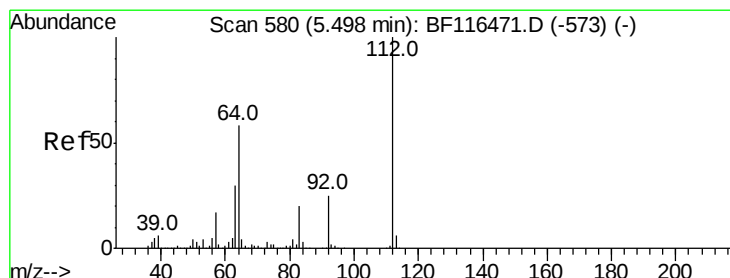
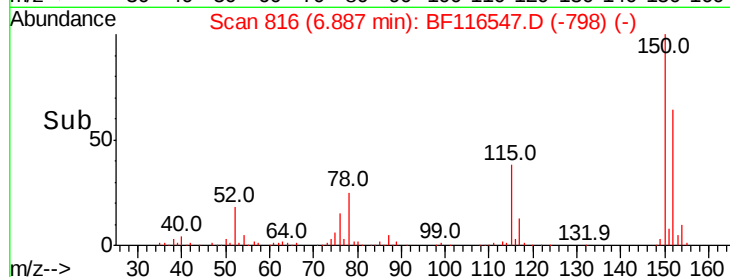
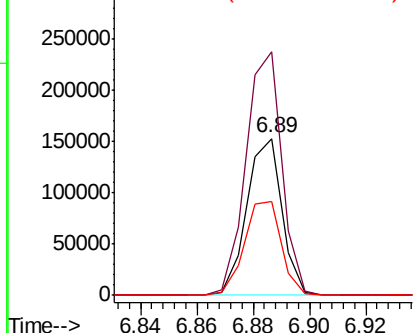
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 816
 Delta R.T. 0.01 min
 Lab File: BF116547.D
 Acq: 26 Aug 2019 00:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.7	190.1
115	59.4	50.9	76.3



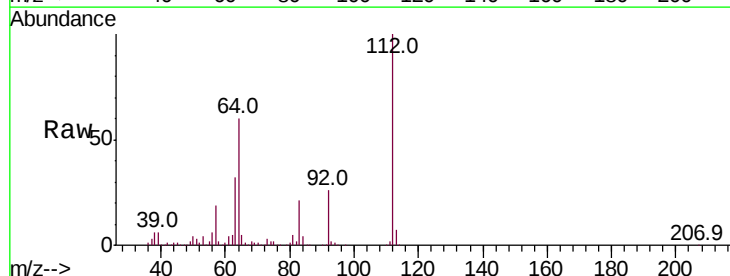
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



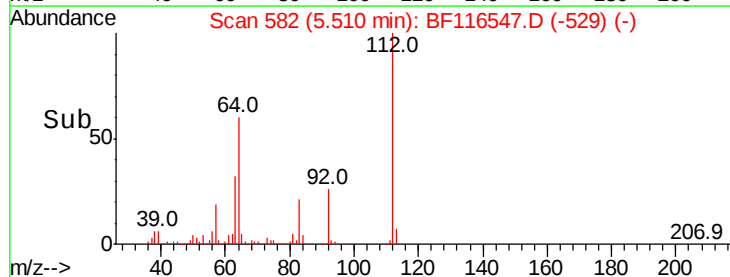
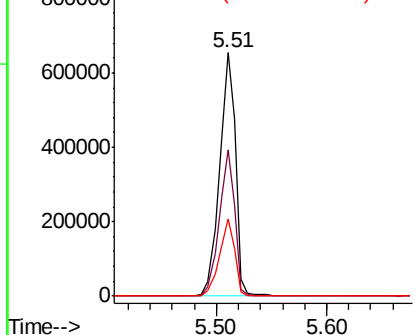
#5

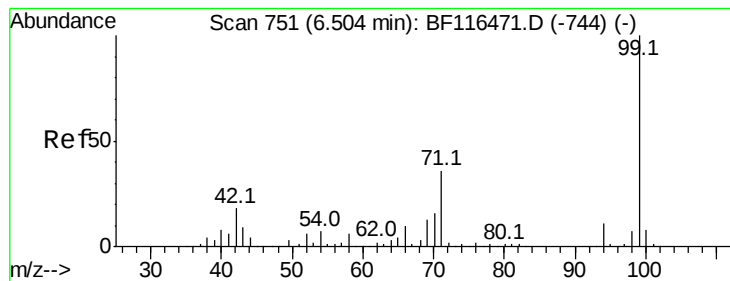
2-Fluorophenol
 Concen: 72.226 ng
 RT: 5.51 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: BF116547.D
 Acq: 26 Aug 2019 00:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	46.3	69.5
63	31.7	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: 78.165 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116547.D

Acq: 26 Aug 2019 00:55

Instrument :

BNA_F

ClientSampled :

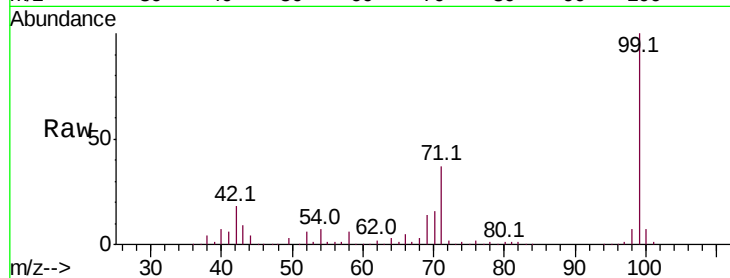
Tot Ion: 99 Resp: 868492

Ion Ratio Lower Upper

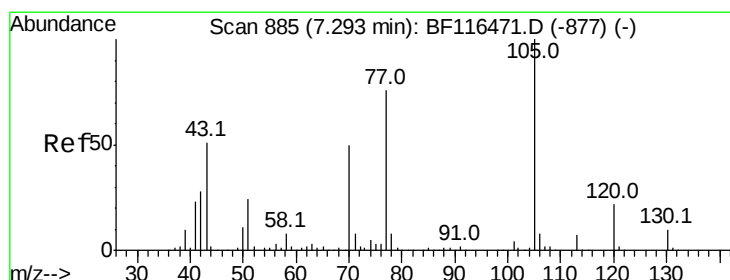
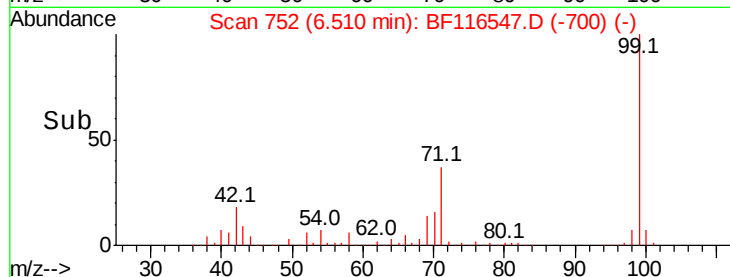
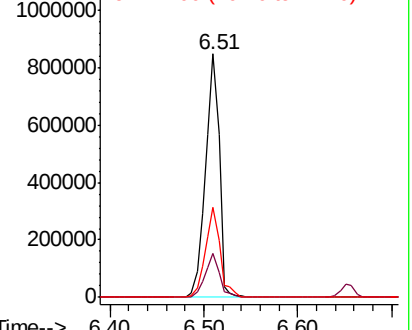
99 100

42 18.3 14.6 21.8

71 36.9 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: 9.096 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116547.D

Acq: 26 Aug 2019 00:55

Tgt Ion: 70 Resp: 68967

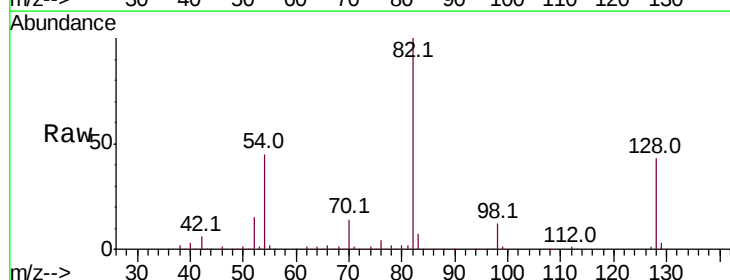
Ion Ratio Lower Upper

70 100

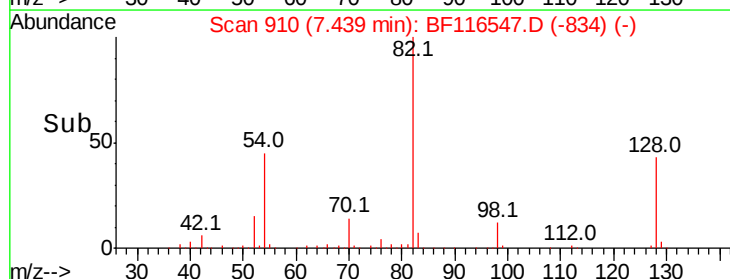
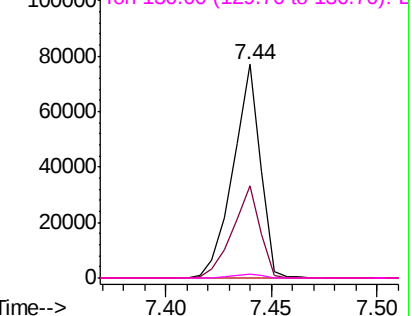
42 43.4 44.4 66.6#

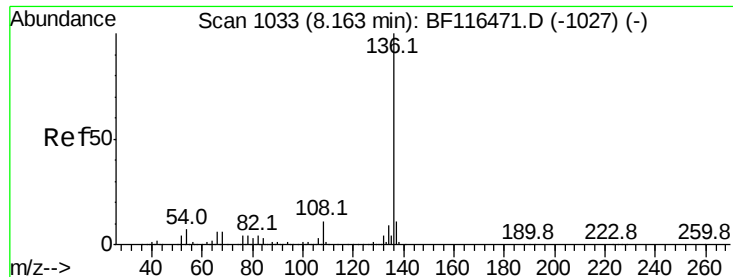
101 0.0 7.1 10.7#

130 2.0 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): BF1
Ion 130.00 (129.70 to 130.70): BF1

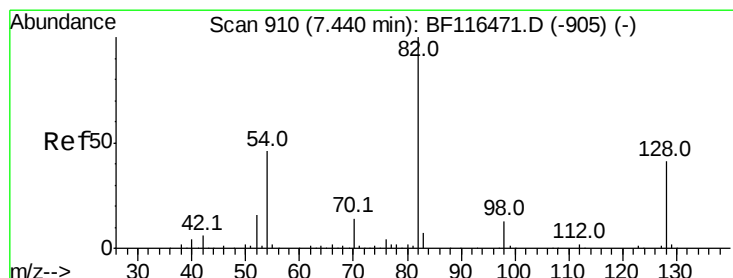
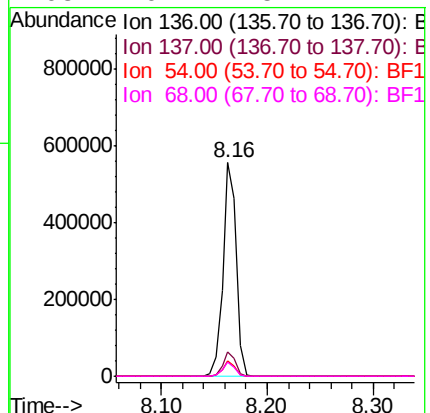
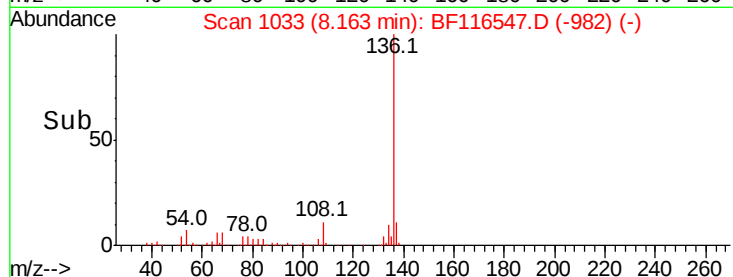
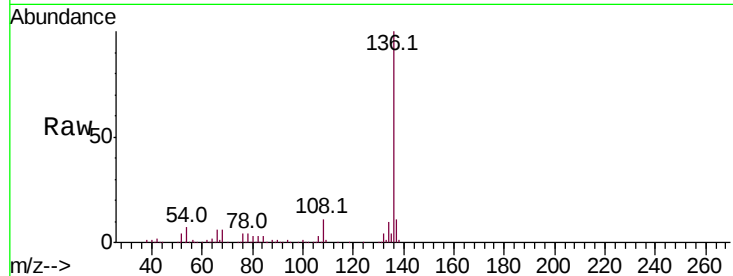




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF116547.D
Acq: 26 Aug 2019 00:55

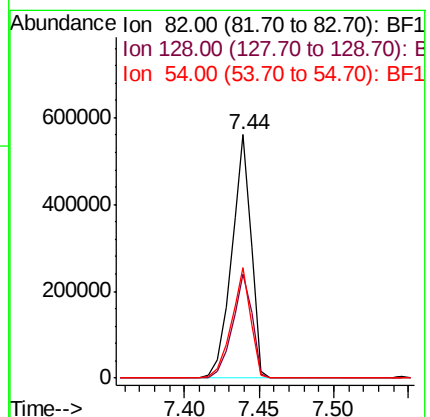
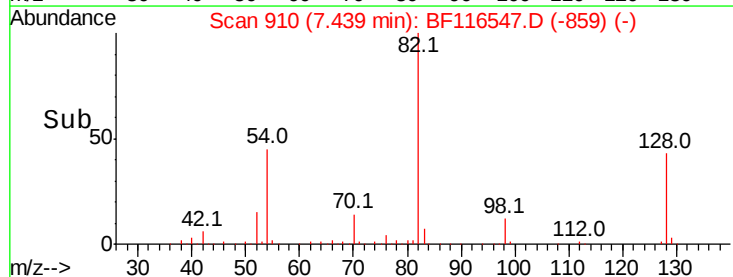
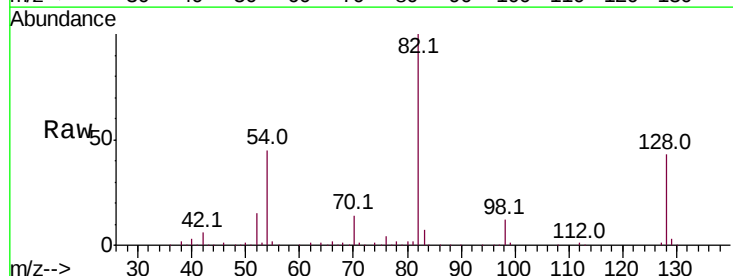
Instrument :
BNA_F
ClientSampleId :

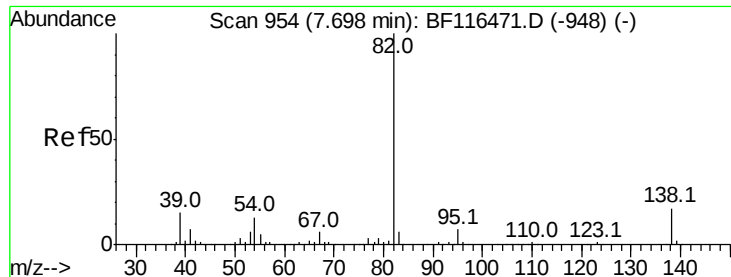
Tot Ion:136	Resp:	492366	
Ion Ratio	Lower	Upper	
136 100			
137 11.4	9.0	13.4	
54 7.4	5.8	8.6	
68 6.4	5.1	7.7	



#23
Nitrobenzene-d5
Concen: 57.484 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF116547.D
Acq: 26 Aug 2019 00:55

Tgt Ion: 82	Resp: 517331
Ion Ratio	Lower Upper
82 100	
128 42.9	32.2 48.4
54 45.2	36.5 54.7





#25

Isophorone

Concen: 29.169 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116547.D

Acq: 26 Aug 2019 00:55

Instrument :

BNA_F

ClientSampleId :

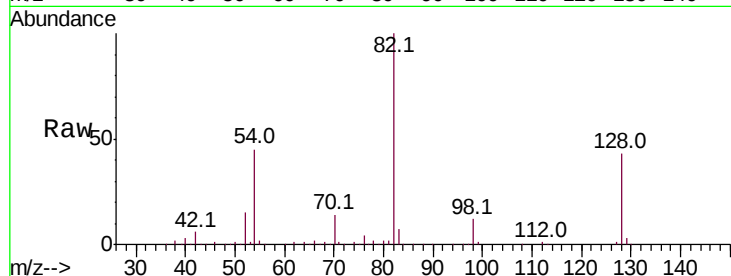
Tot Ion: 82 Resp: 517320

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

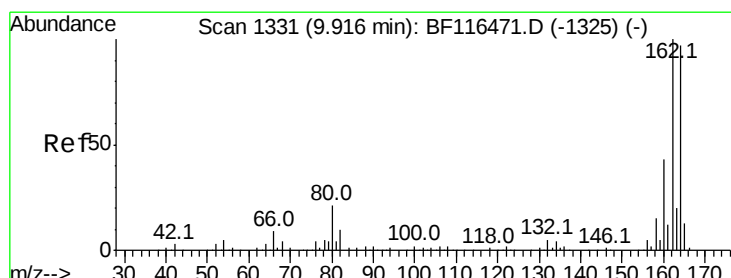
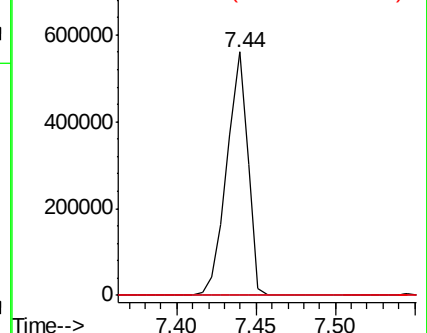
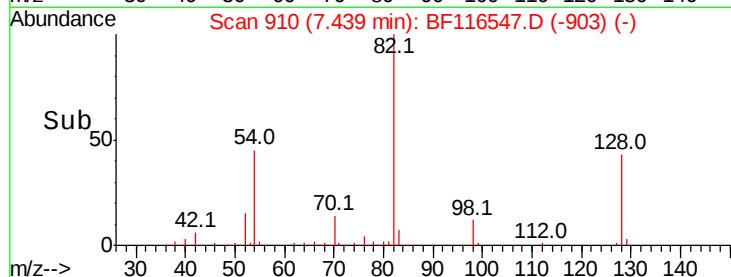
138 0.0 13.3 19.9#



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: BF116547.D

Acq: 26 Aug 2019 00:55

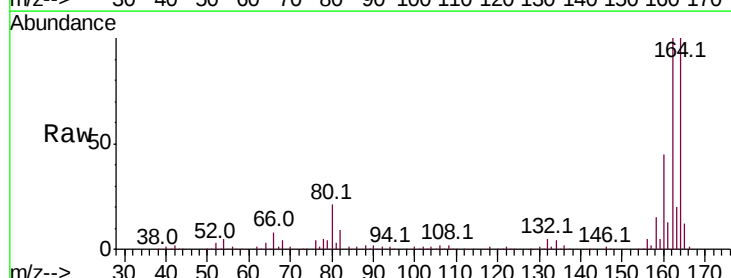
Tgt Ion:164 Resp: 221558

Ion Ratio Lower Upper

164 100

162 100.2 82.6 123.8

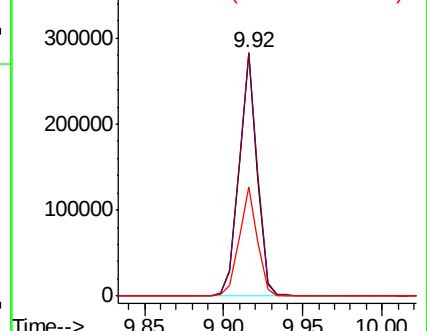
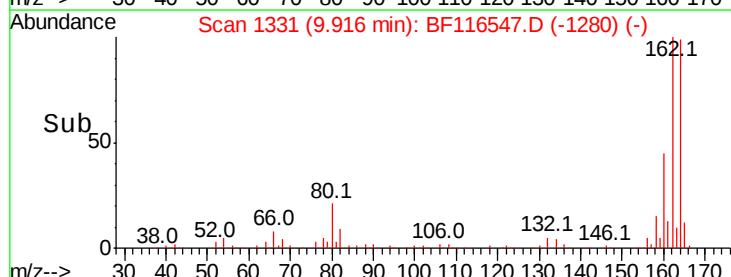
160 44.7 35.8 53.8

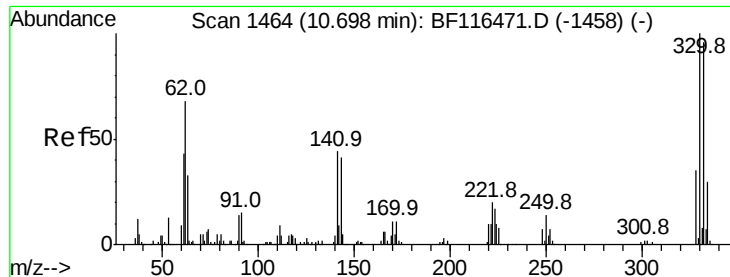


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

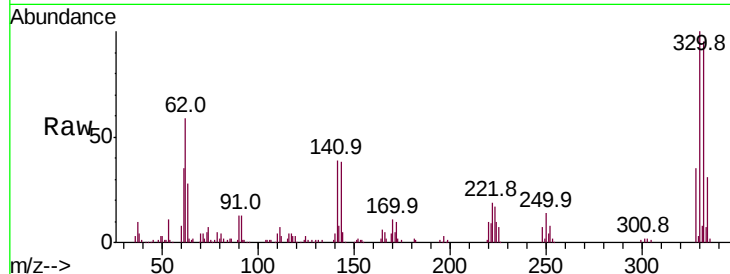




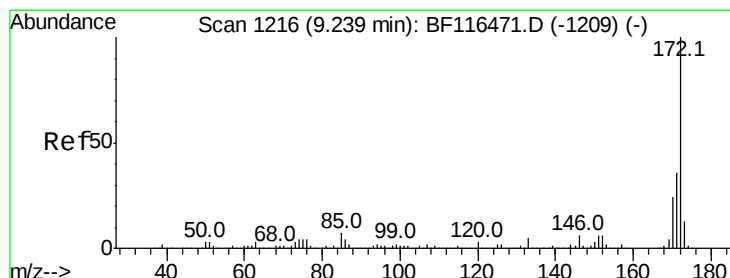
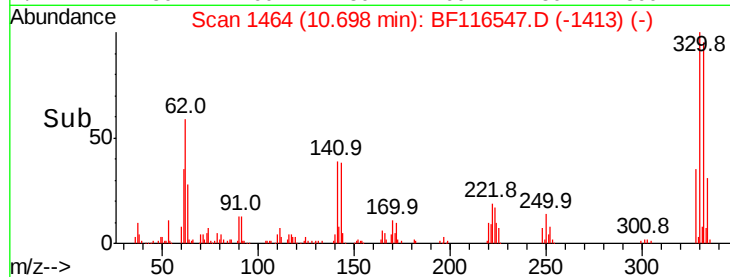
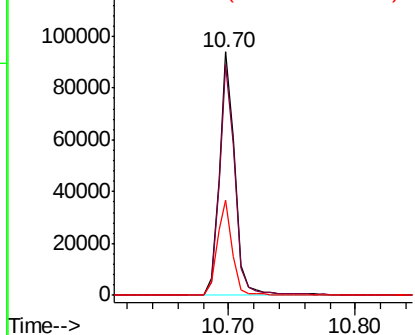
#42
 2,4,6-Tribromophenol
 Concen: 42.442 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116547.D
 Acq: 26 Aug 2019 00:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 80744
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.2 115.8
 141 38.3 33.3 49.9

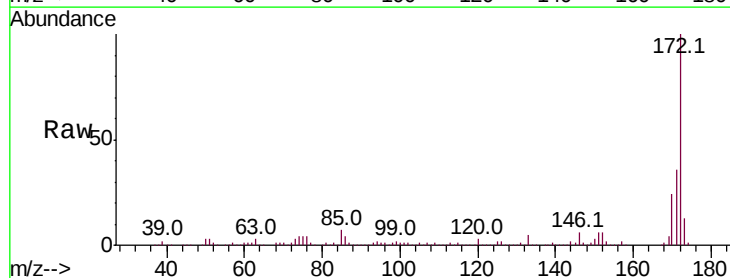


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

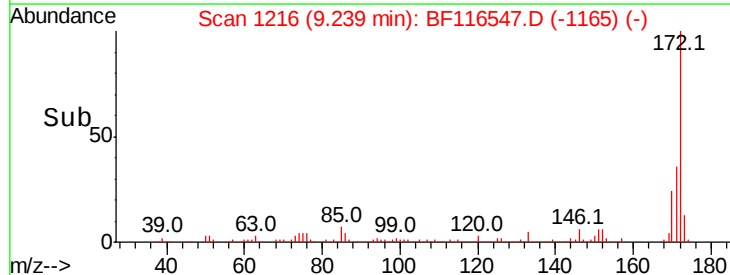
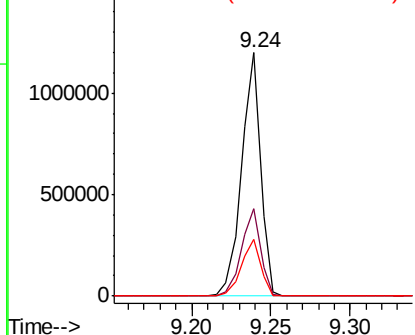


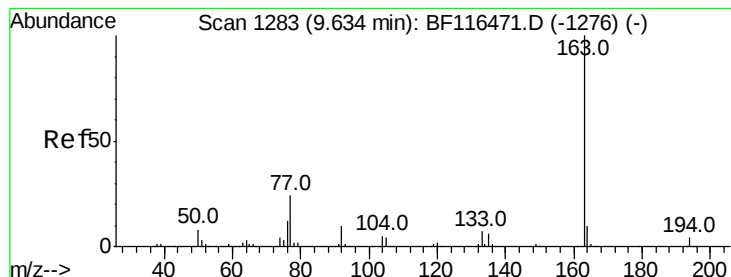
#45
 2-Fluorobiphenyl
 Concen: 72.890 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116547.D
 Acq: 26 Aug 2019 00:55

Tgt Ion:172 Resp: 1002806
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.9 43.3
 170 23.5 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: 7.928 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF116547.D

Acq: 26 Aug 2019 00:55

Instrument :

BNA_F

ClientSampleId :

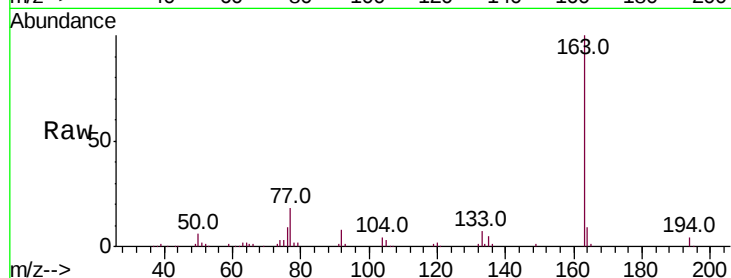
Tot Ion:163 Resp: 122555

Ion Ratio Lower Upper

163 100

194 3.7 2.9 4.3

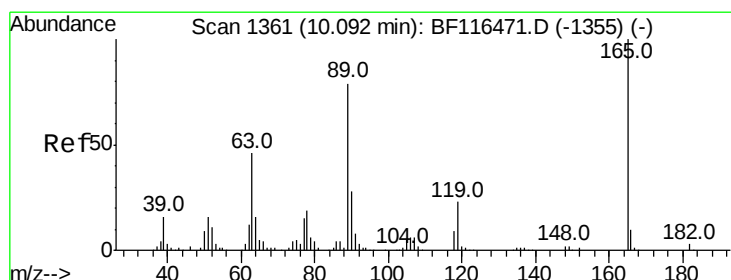
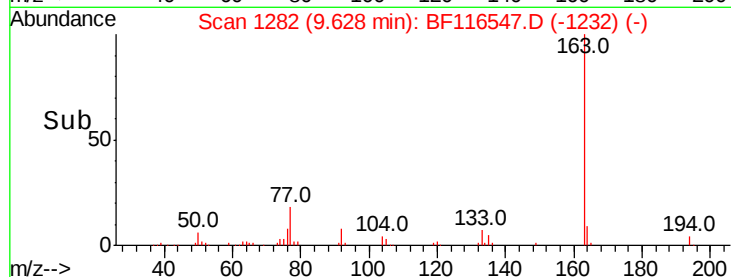
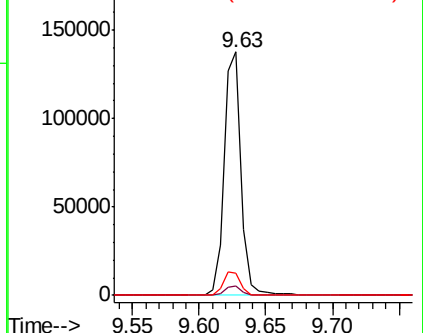
164 9.1 8.2 12.2



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: 6.840 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.18 min

Lab File: BF116547.D

Acq: 26 Aug 2019 00:55

Tgt Ion:165 Resp: 27540

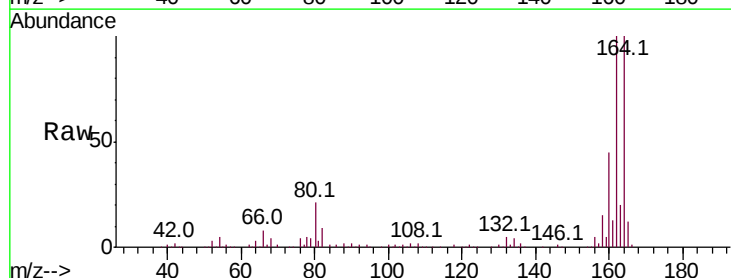
Ion Ratio Lower Upper

165 100

63 1.7 36.9 55.3#

89 1.6 63.4 95.0#

182 0.0 2.1 3.1#

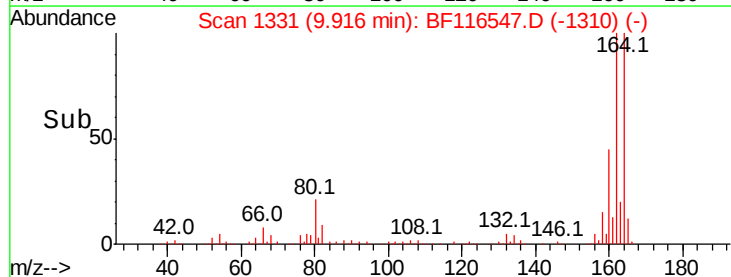
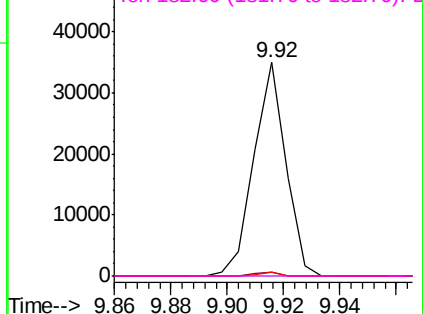


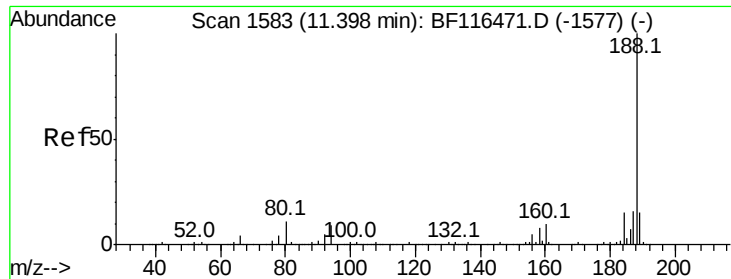
Abundance Ion 165.00 (164.70 to 165.70): E

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

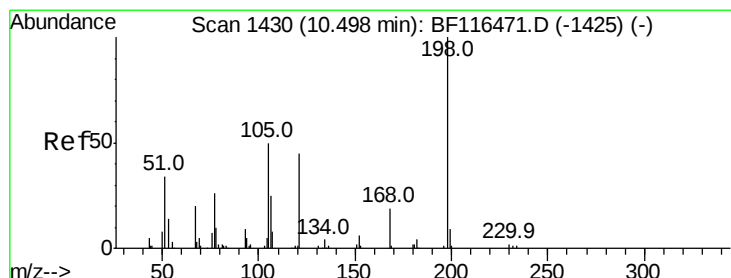
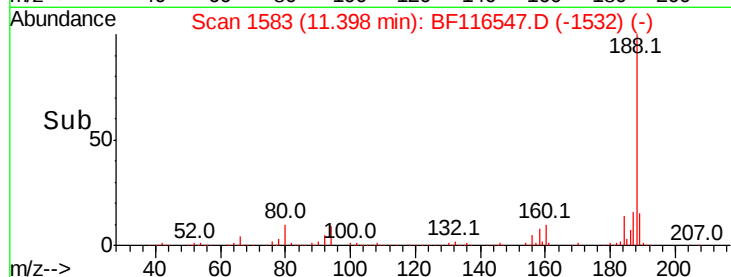
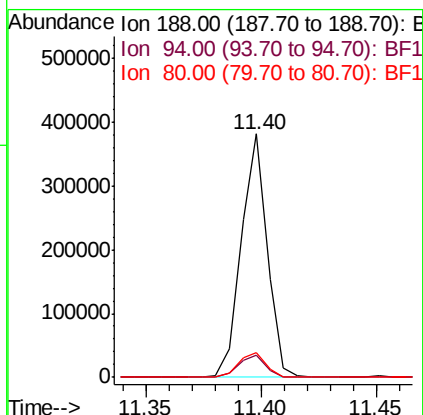
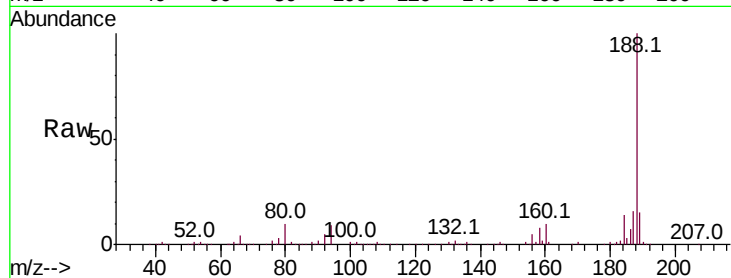




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF116547.D
 Acq: 26 Aug 2019 00:55

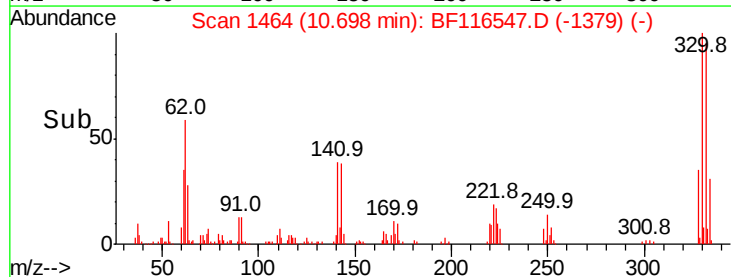
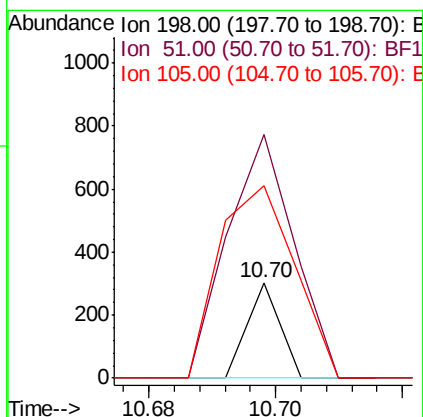
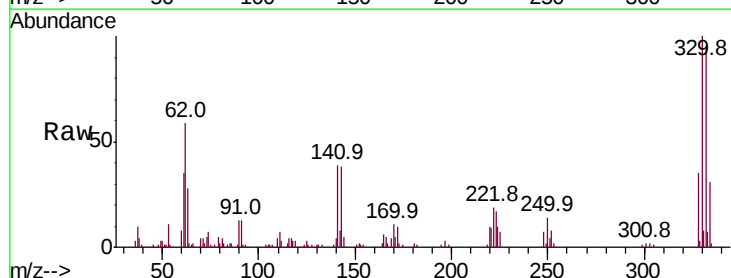
Instrument :
 BNA_F
 ClientSampled :

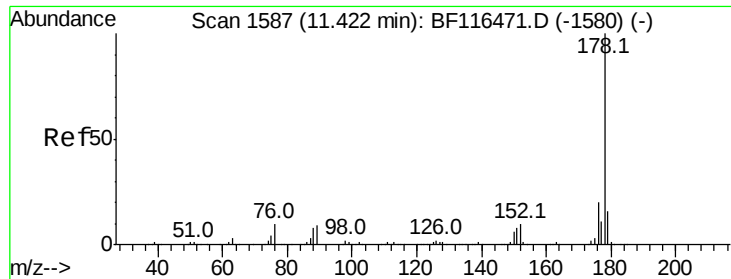
Tot Ion:188 Resp: 299961
 Ion Ratio Lower Upper
 188 100
 94 9.0 7.4 11.2
 80 10.2 8.6 12.8



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.080 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.20 min
 Lab File: BF116547.D
 Acq: 26 Aug 2019 00:55

Tgt Ion:198 Resp: 107
 Ion Ratio Lower Upper
 198 100
 51 255.1 30.4 70.4#
 105 201.7 32.8 72.8#

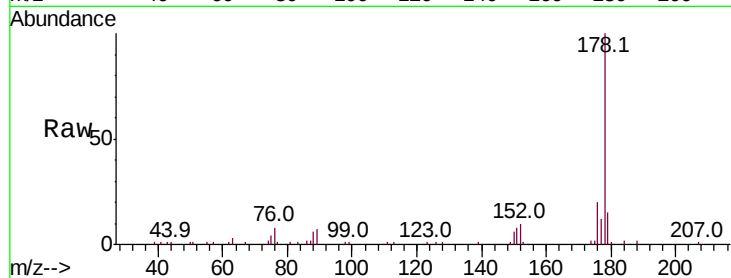




#71
Phenanthrene
Concen: 2.153 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF116547.D
Acq: 26 Aug 2019 00:55

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.6
179	15.3	12.8	19.2

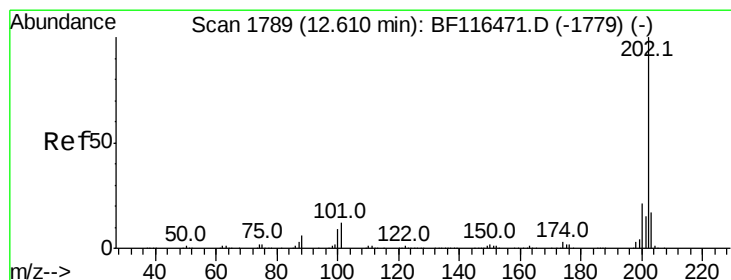
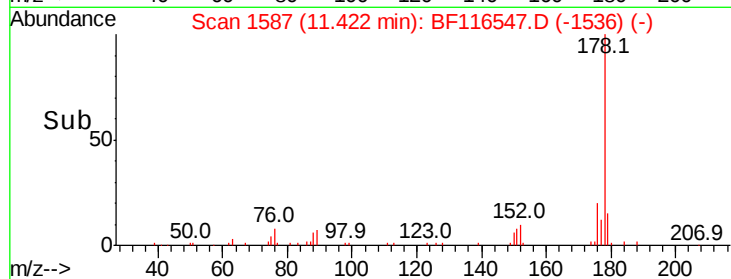
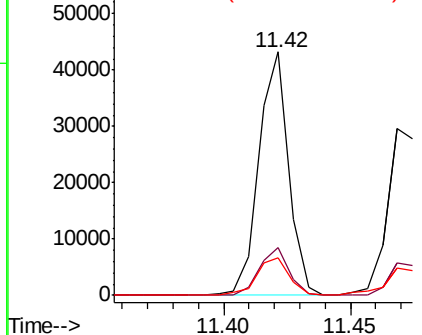


Abundance

Ion 178.00 (177.70 to 178.70): E

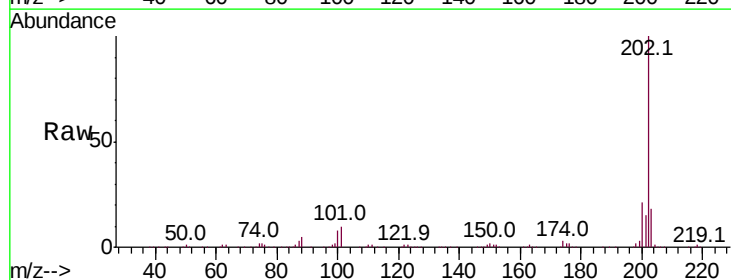
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 15.419 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.00 min
Lab File: BF116547.D
Acq: 26 Aug 2019 00:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.5
203	17.7	0.0	37.5

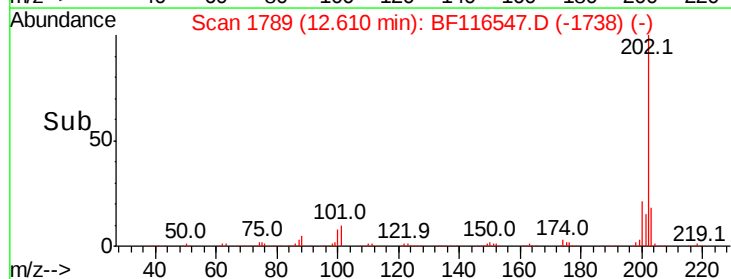
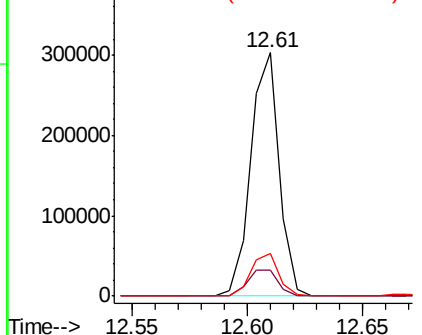


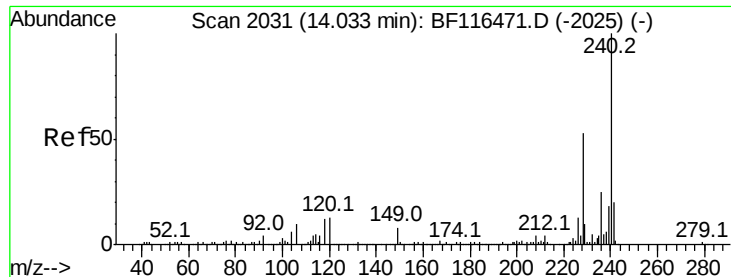
Abundance

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: BF116547.D

Acq: 26 Aug 2019 00:55

Instrument :

BNA_F

ClientSampleId :

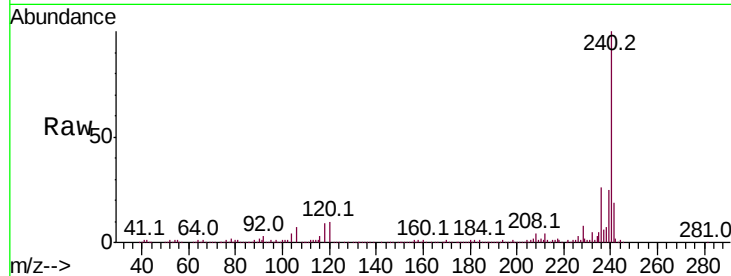
Tot Ion:240 Resp: 206327

Ion Ratio Lower Upper

240 100

120 10.1 10.5 15.7#

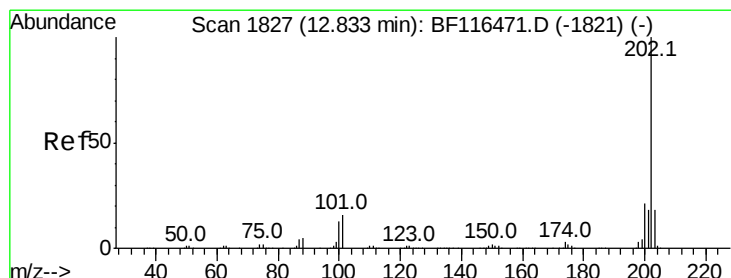
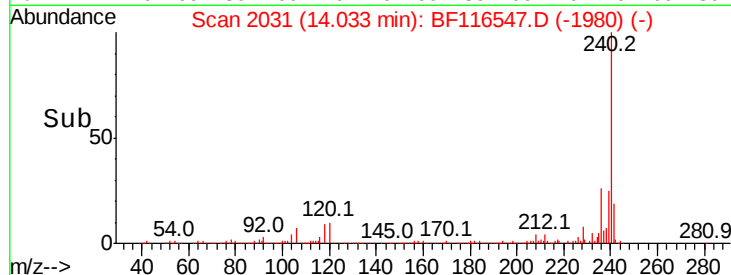
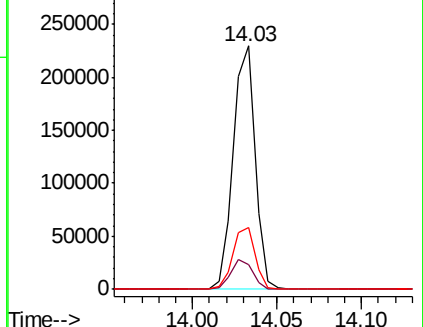
236 25.6 20.2 30.2



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

Pyrene

Concen: 14.807 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF116547.D

Acq: 26 Aug 2019 00:55

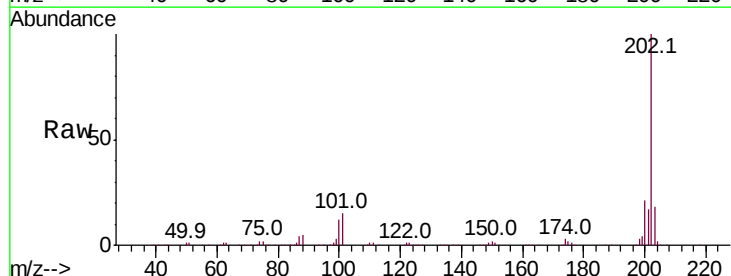
Tgt Ion:202 Resp: 244322

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

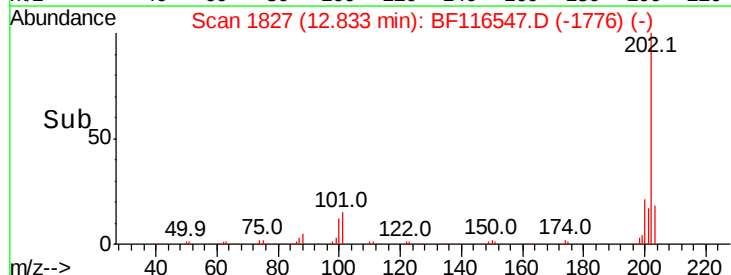
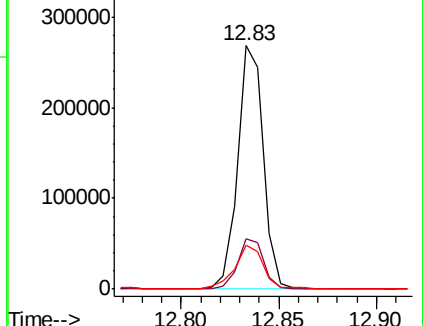
203 18.2 14.2 21.4

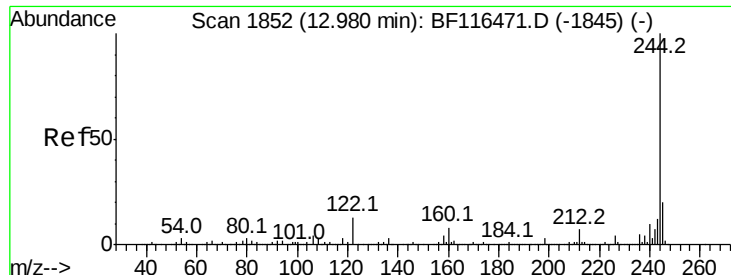


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 64.366 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BF116547.D

Acq: 26 Aug 2019 00:55

Instrument :

BNA_F

ClientSampleId :

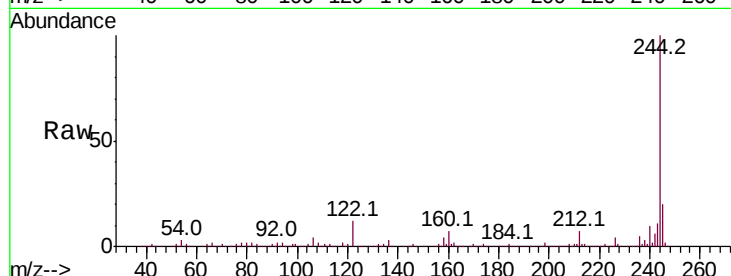
Tot Ion:244 Resp: 710979

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

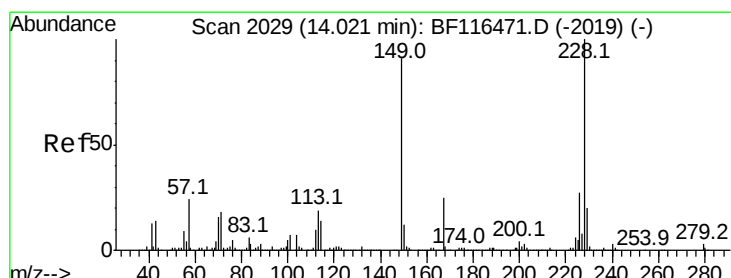
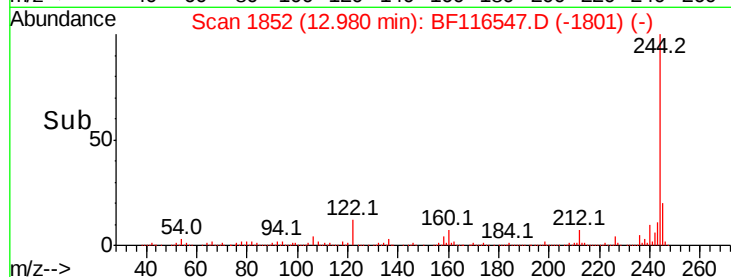
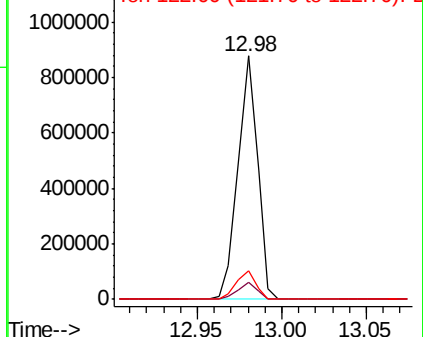
122 11.9 10.2 15.4



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



#81

Benzo(a)anthracene

Concen: 9.633 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF116547.D

Acq: 26 Aug 2019 00:55

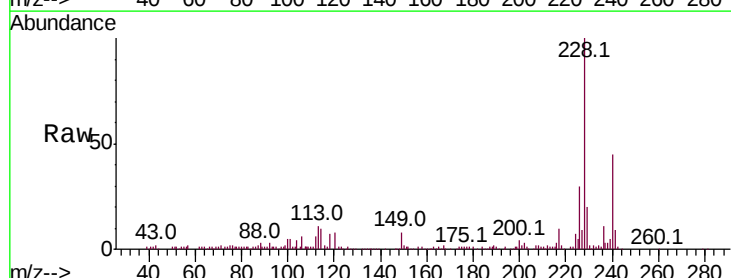
Tgt Ion:228 Resp: 128723

Ion Ratio Lower Upper

228 100

226 29.8 21.8 32.6

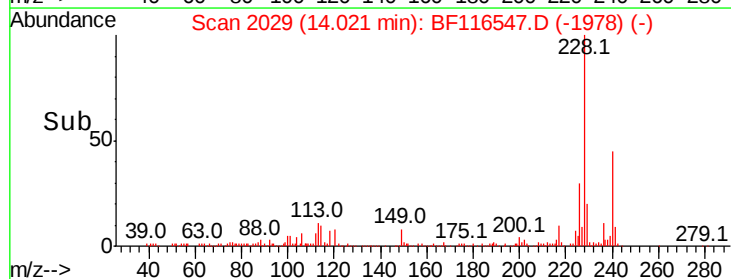
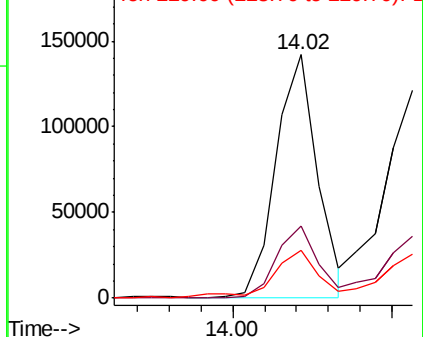
229 19.5 15.9 23.9

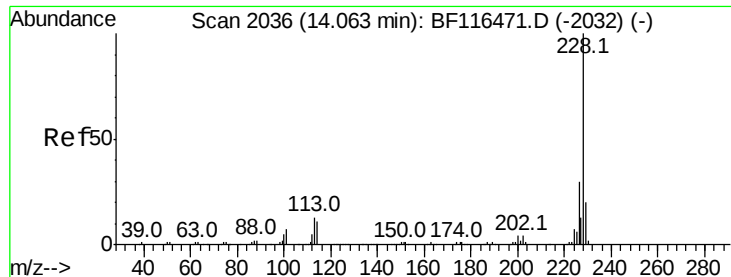


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 8.716 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF116547.D

Acq: 26 Aug 2019 00:55

Instrument :

BNA_F

ClientSampleId :

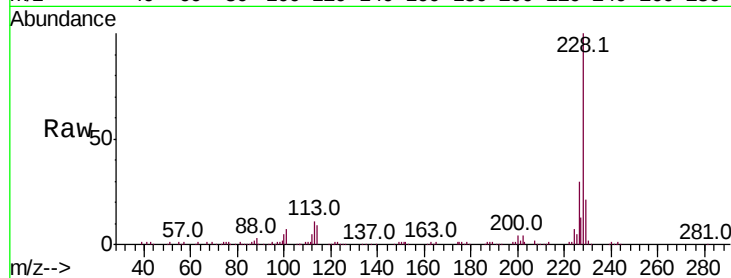
Tot Ion:228 Resp: 118052

Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.2

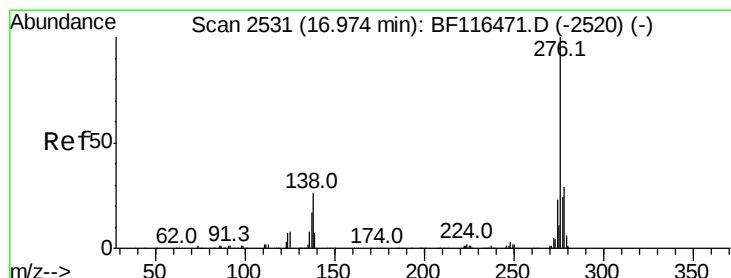
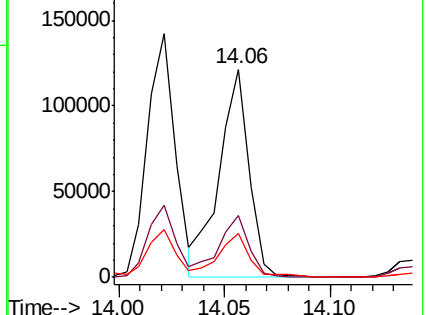
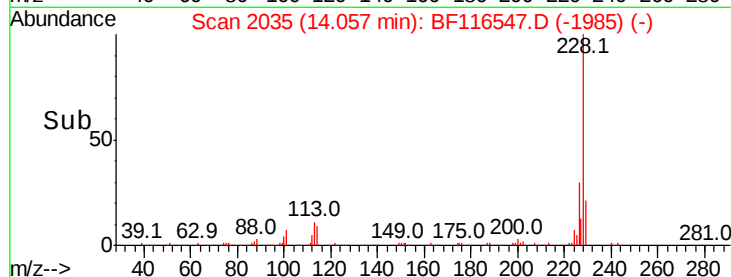
229 21.1 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.540 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.02 min

Lab File: BF116547.D

Acq: 26 Aug 2019 00:55

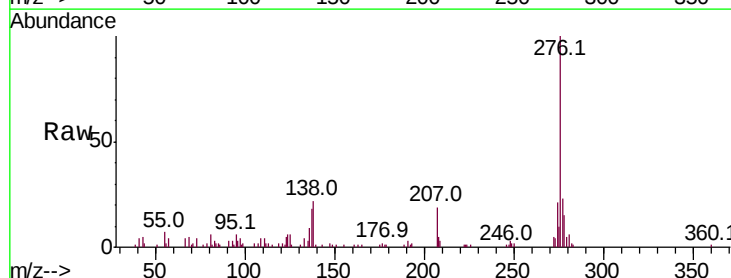
Tgt Ion:276 Resp: 52674

Ion Ratio Lower Upper

276 100

138 23.7 22.9 34.3

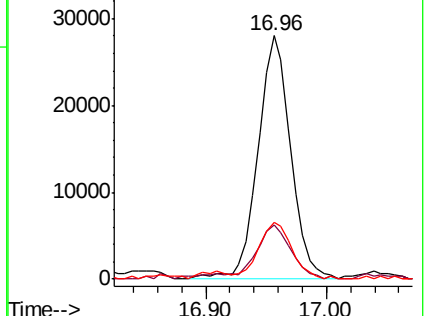
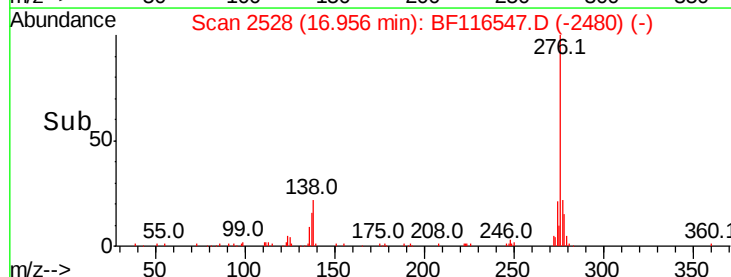
277 24.0 19.9 29.9

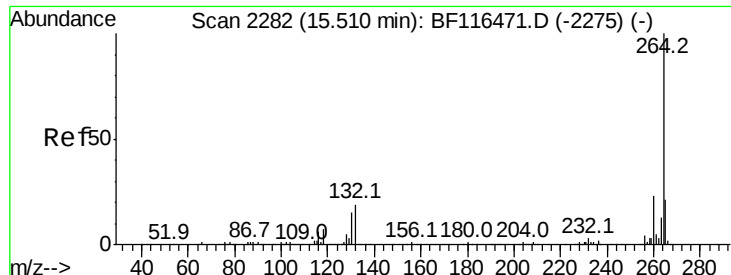


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

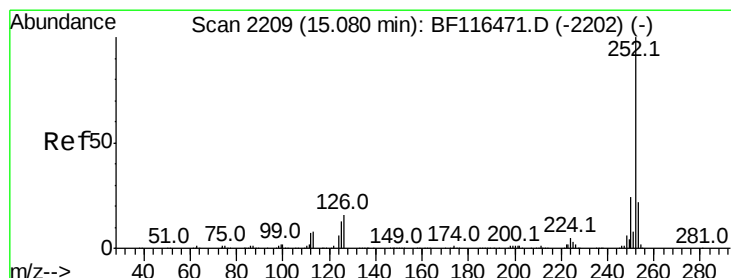
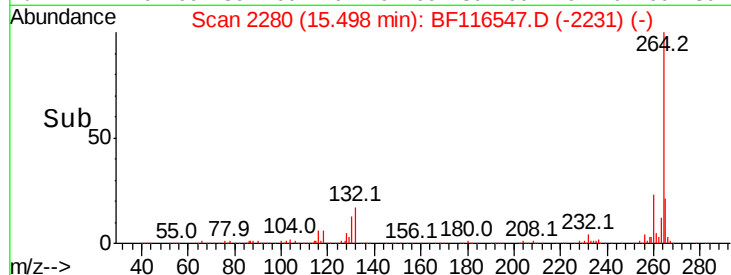
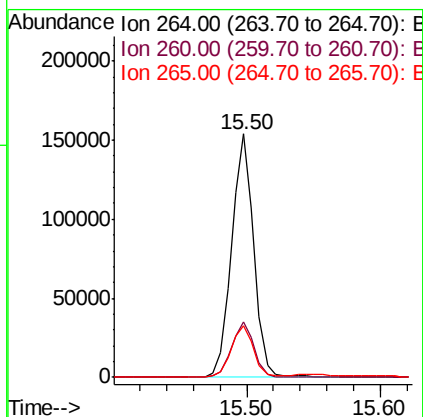
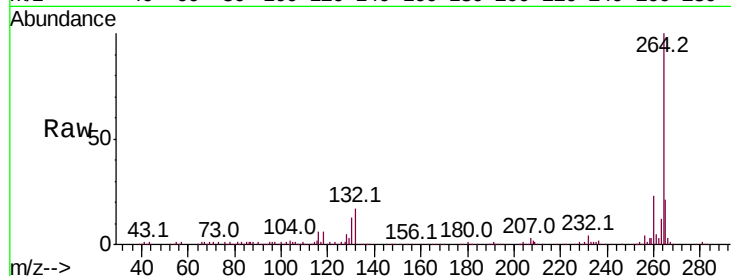




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF116547.D
Acq: 26 Aug 2019 00:55

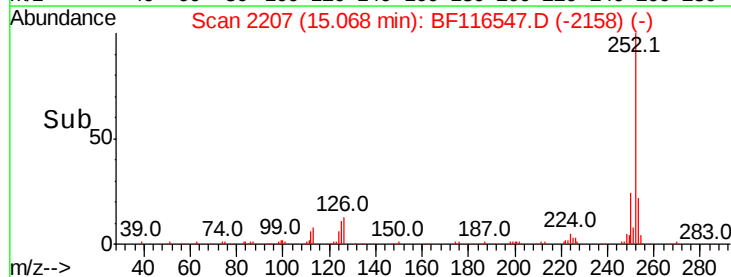
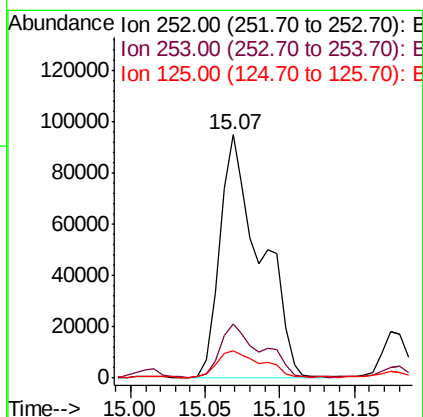
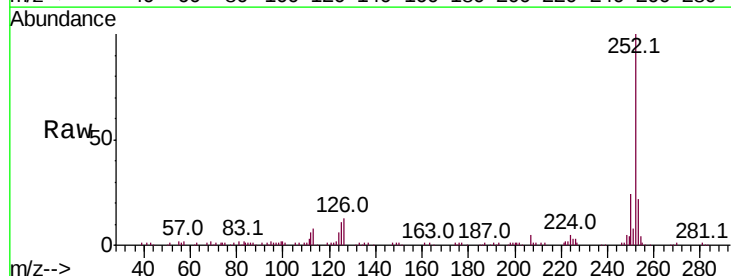
Instrument :
BNA_F
ClientSampled :

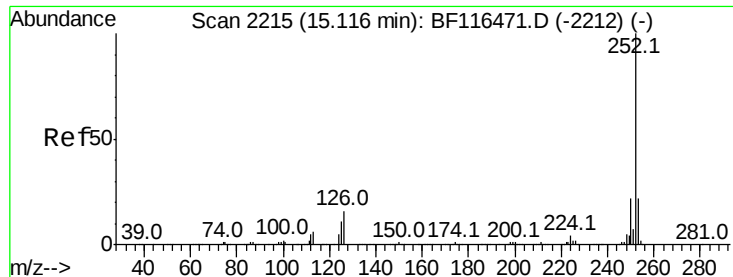
Tot Ion:264 Resp: 178388
Ion Ratio Lower Upper
264 100
260 22.7 18.8 28.2
265 21.3 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 16.427 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116547.D
Acq: 26 Aug 2019 00:55

Tgt Ion:252 Resp: 181028
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 11.1 10.1 15.1

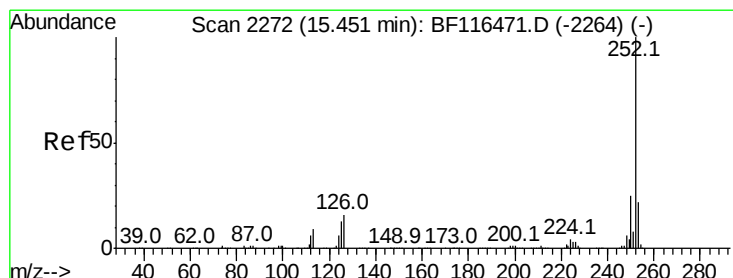
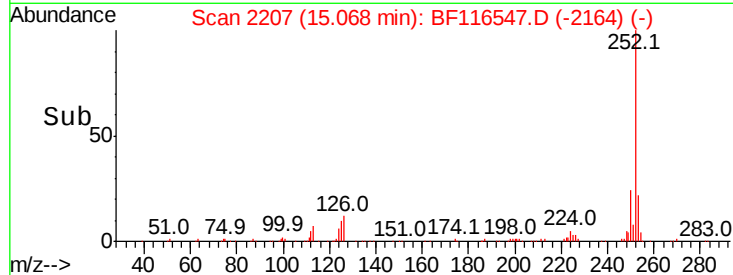
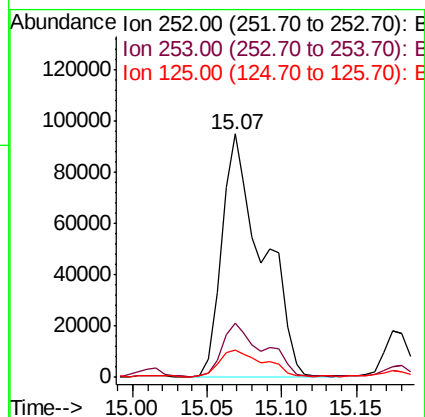
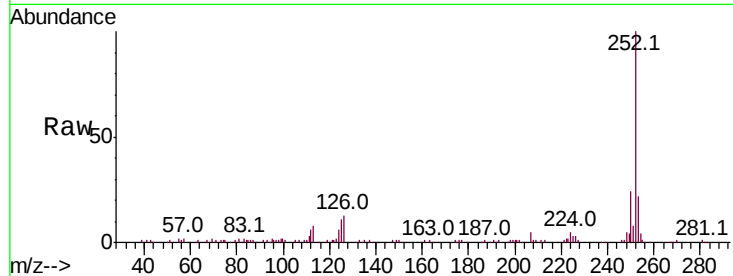




#89
Benzo(k)fluoranthene
Concen: 18.133 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF116547.D
Acq: 26 Aug 2019 00:55

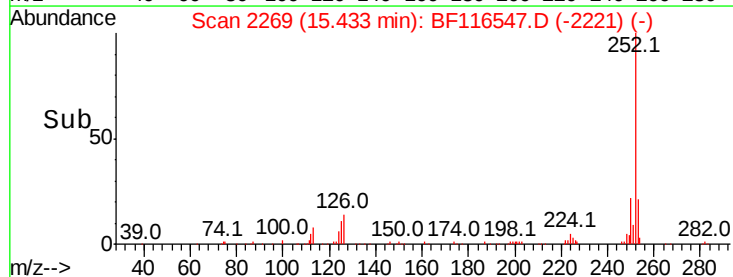
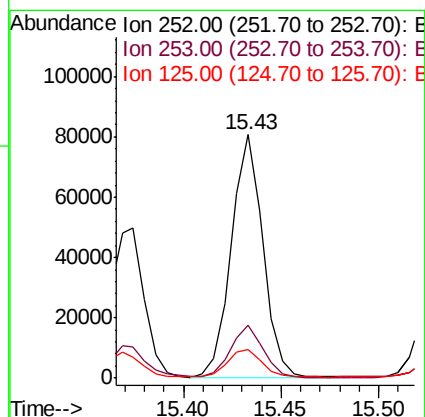
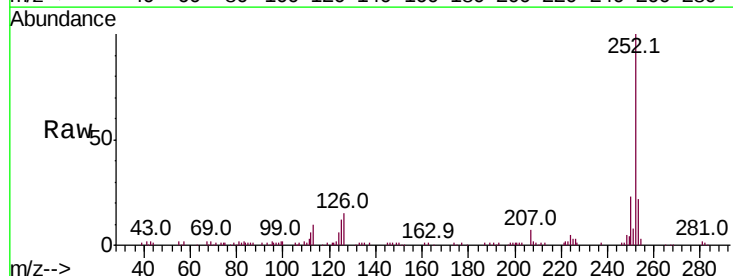
Instrument :
BNA_F
ClientSampleId :

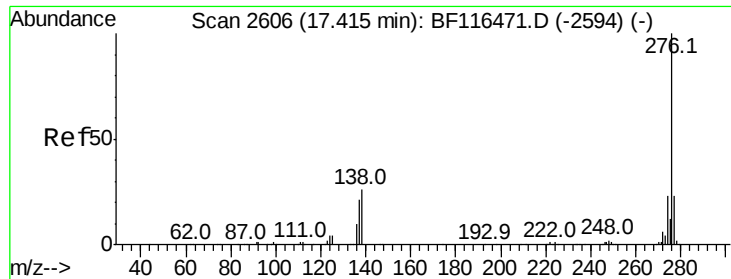
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	11.1	9.1	13.7



#90
Benzo(a)pyrene
Concen: 9.285 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF116547.D
Acq: 26 Aug 2019 00:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.2	25.8
125	11.6	10.2	15.4





#92

Benzo(a,h,i)perylene

Concen: 5.852 ng

RT: 17.40 min Scan# 2603

Delta R.T. -0.02 min

Lab File: BF116547.D

Acq: 26 Aug 2019 00:55

Instrument :

BNA_F

ClientSampleId :

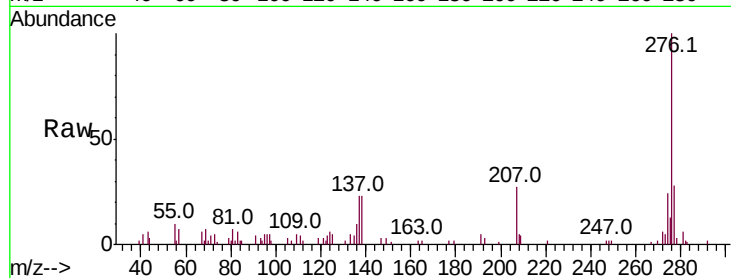
Tot Ion:276 Resp: 44647

Ion Ratio Lower Upper

276 100

277 27.8 18.7 28.1

138 23.1 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

