

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082120\
 Data File : BF121371.D
 Acq On : 21 Aug 2020 17:10
 Operator : JU/CG
 Sample : L3729-18
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 21 17:48:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	144346	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	558973	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	283781	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	544394	20.00	ng	0.00
76) Chrysene-d12	13.84	240	376807	20.00	ng	0.00
86) Perylene-d12	15.26	264	331831	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	656352	74.56	ng	0.00
7) Phenol-d6	6.34	99	787027	70.03	ng	0.00
23) Nitrobenzene-d5	7.26	82	522269	52.84	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	230977	69.85	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	938409	59.62	ng	0.00
79) Terphenyl-d14	12.79	244	900678	46.71	ng	0.00

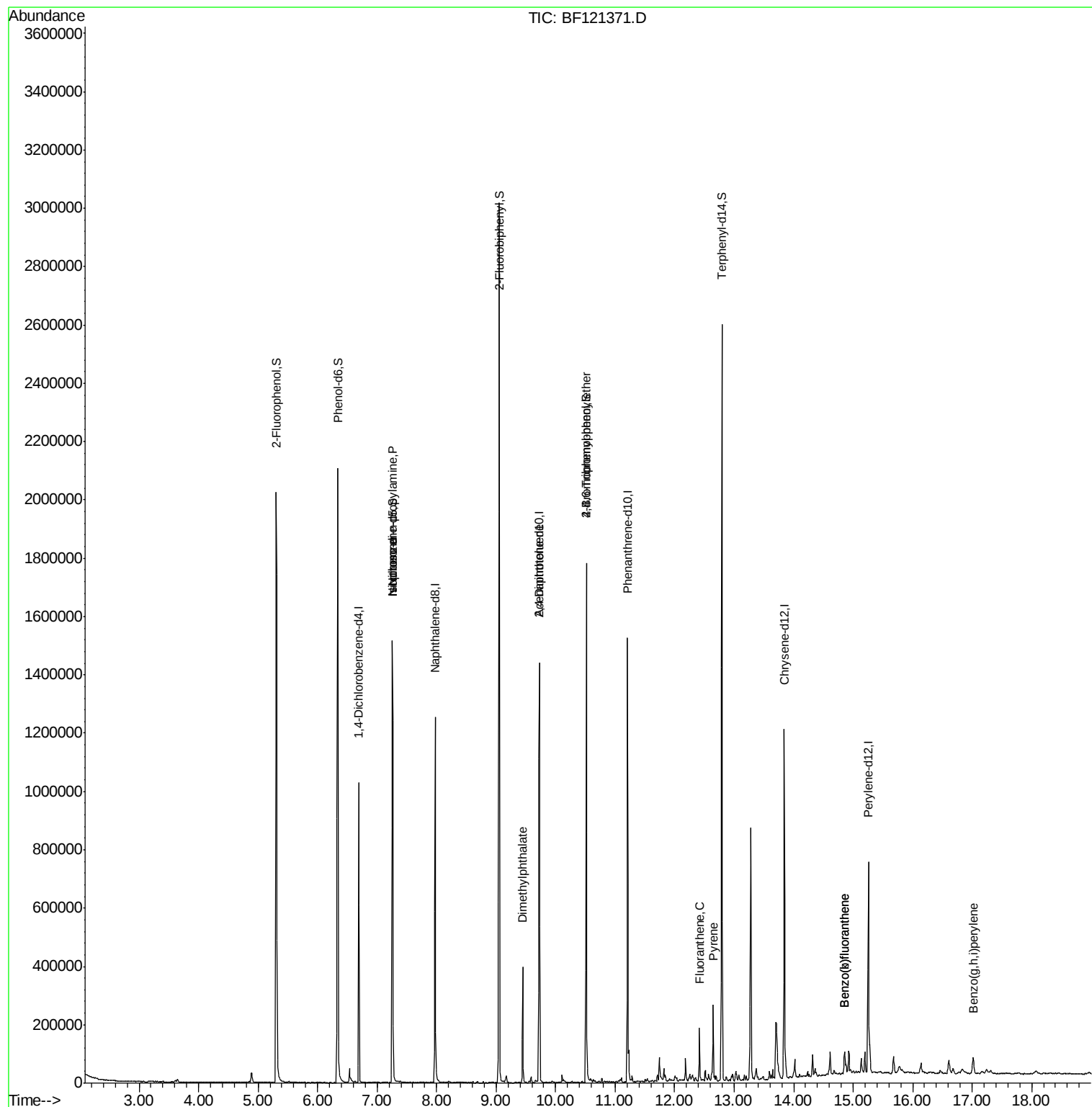
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	68896	11.399	ng	# 77
25) Isophorone	7.26	82	522266	29.037	ng	# 65
50) Dimethylphthalate	9.45	163	147146	7.127	ng	100
55) Dibenzofuran	9.93	168	611	Below Cal	#	46
57) 2,4-Dinitrotoluene	9.73	165	36299	6.748	ng	# 25
58) Fluorene	10.27	166	2128	Below Cal	#	96
67) 4-Bromophenyl-phenylether	10.52	248	12970	2.148	ng	# 1
75) Fluoranthene	12.42	202	72722	2.378	ng	98
78) Pyrene	12.64	202	98734	3.488	ng	98
88) Benzo(b)fluoranthene	14.86	252	49919	2.329	ng	97
89) Benzo(k)fluoranthene	14.86	252	49919	2.645	ng	97
92) Benzo(a,h,i)perylene	17.02	276	44004	2.710	ng	98

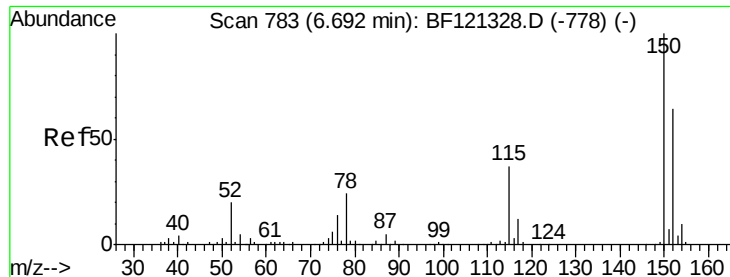
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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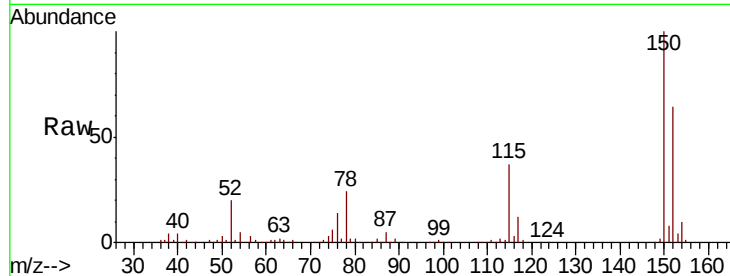


#1

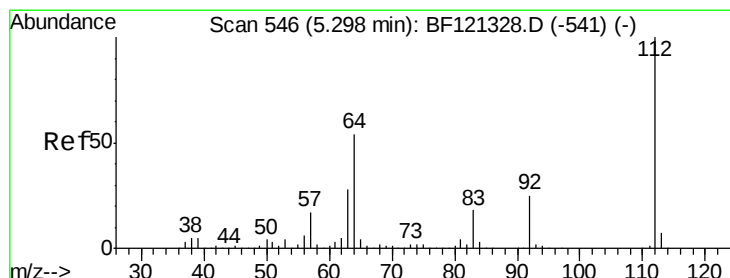
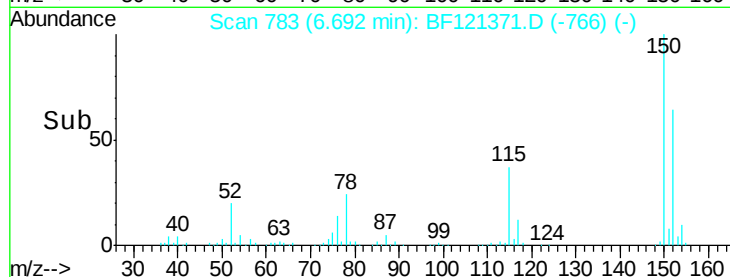
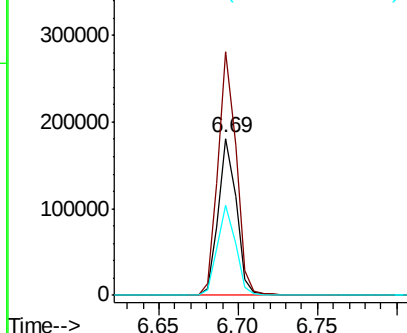
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF121371.D
Acq: 21 Aug 2020 17:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144346
Ion Ratio Lower Upper
152 100
150 155.1 124.8 187.2
115 57.7 46.1 69.1



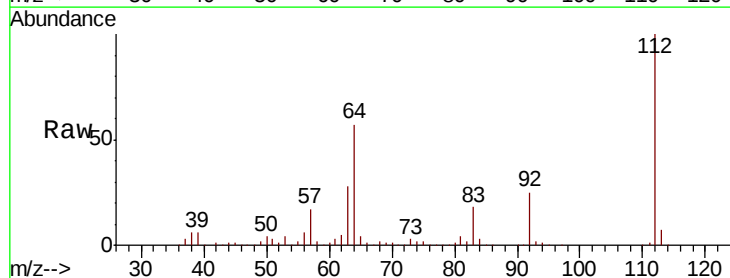
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



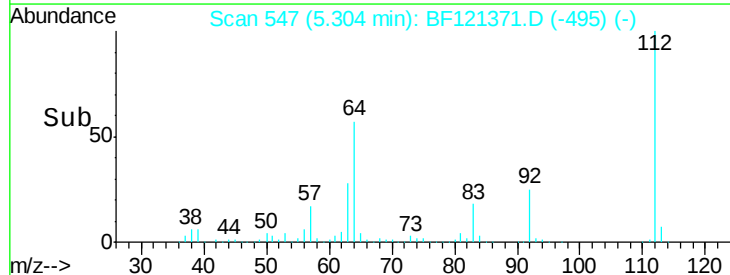
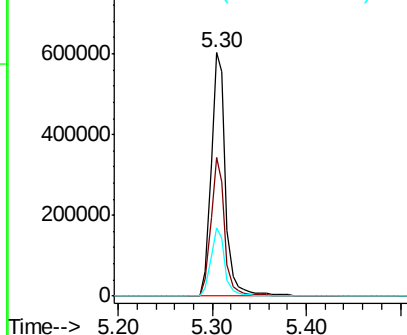
#5

2-Fluorophenol
Concen: 74.560 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF121371.D
Acq: 21 Aug 2020 17:10

Tgt Ion:112 Resp: 656352
Ion Ratio Lower Upper
112 100
64 56.8 43.5 65.3
63 28.2 22.0 33.0



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: 70.034 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF121371.D

Acq: 21 Aug 2020 17:10

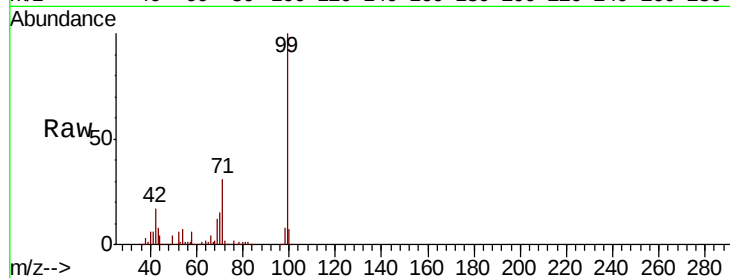
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 787027

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.5	20.3
71	30.7	25.2	37.8

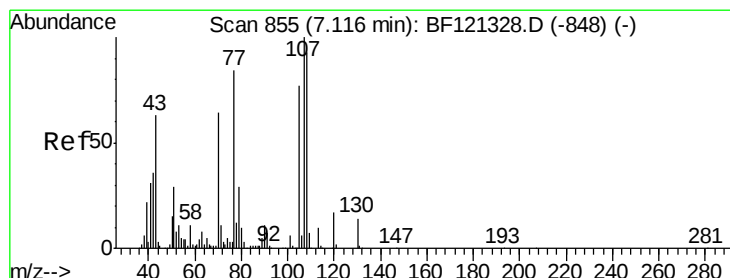
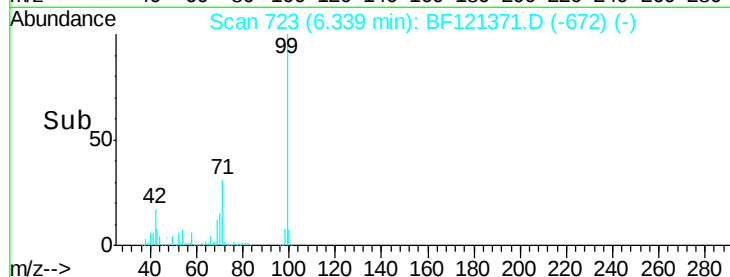
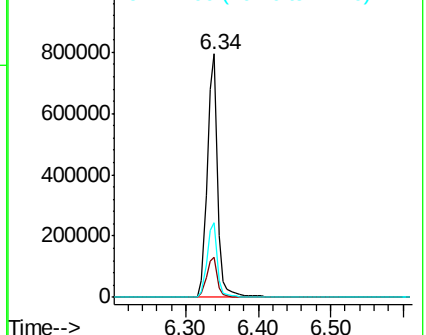


Abundance

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: 11.399 ng

RT: 7.26 min Scan# 879

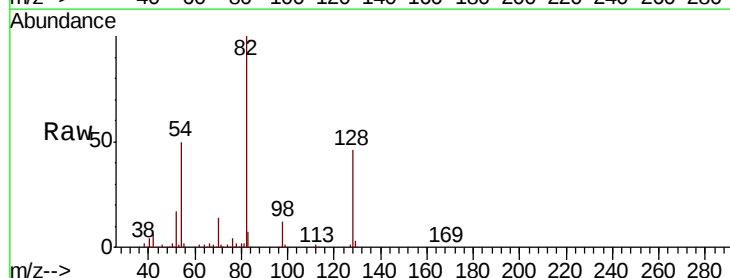
Delta R.T. 0.14 min

Lab File: BF121371.D

Acq: 21 Aug 2020 17:10

Tgt Ion: 70 Resp: 68896

Ion	Ratio	Lower	Upper
70	100		
42	45.5	45.2	67.8
101	0.0	7.7	11.5#
130	2.4	17.6	26.4#



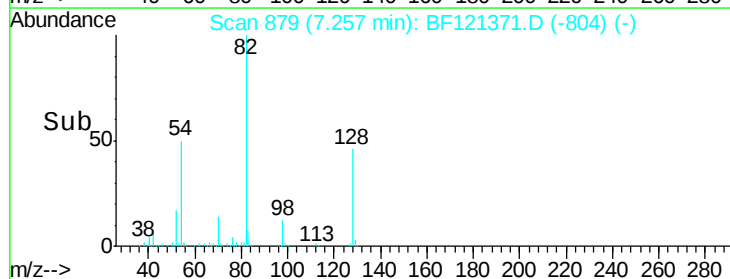
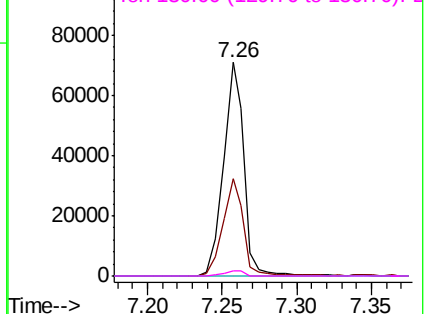
Abundance

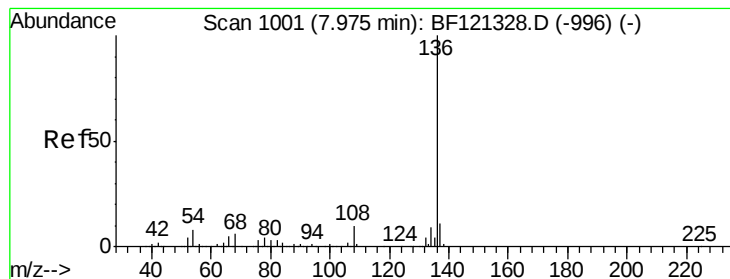
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

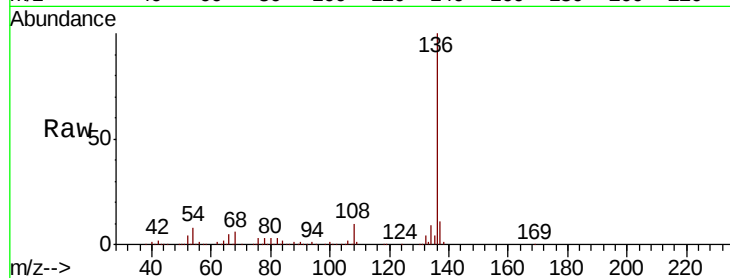




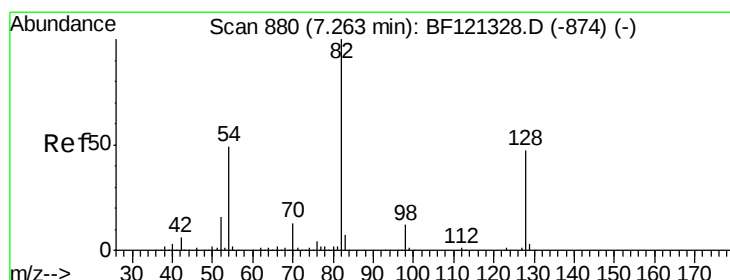
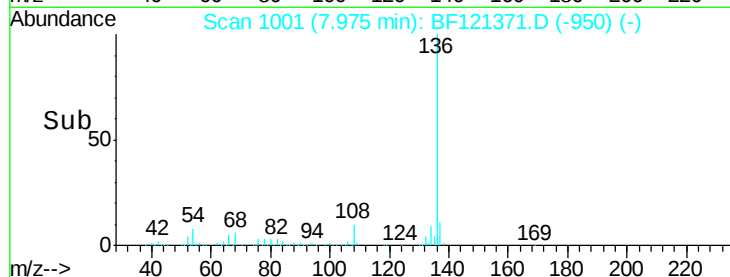
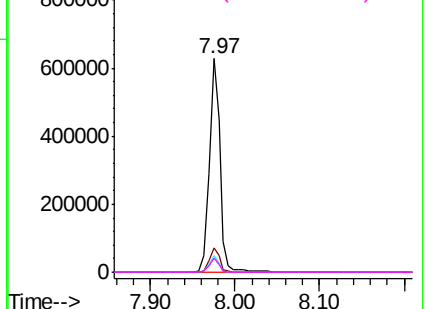
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BF121371.D
Acq: 21 Aug 2020 17:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	558973	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	8.9	13.3	
54 7.6	6.1	9.1	
68 6.4	5.0	7.4	

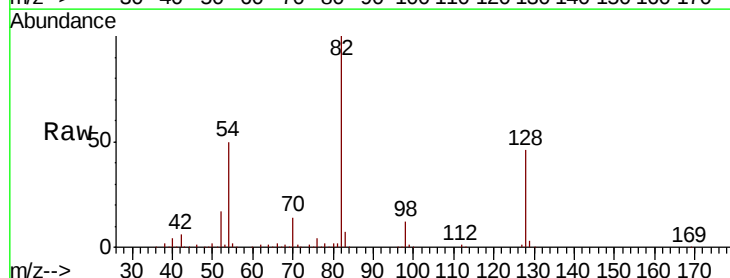


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

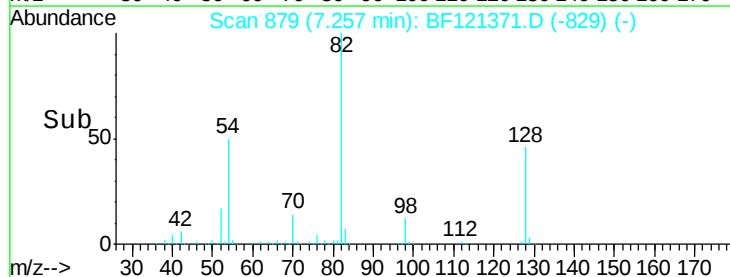
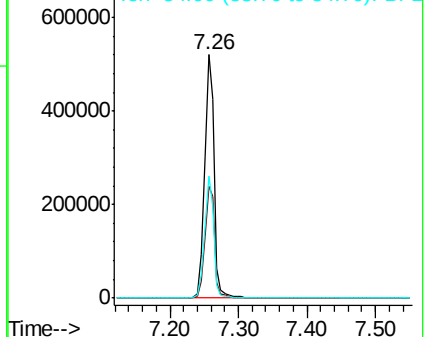


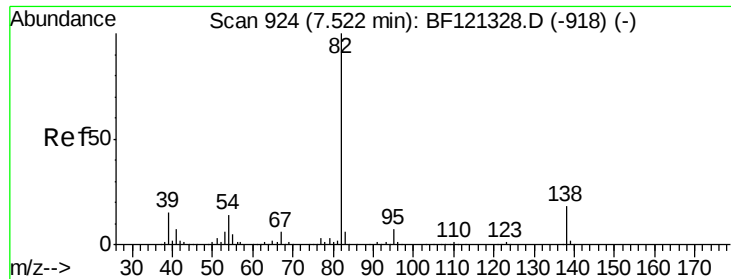
#23
Nitrobenzene-d5
Concen: 52.842 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF121371.D
Acq: 21 Aug 2020 17:10

Tgt Ion: 82	Resp: 522269
Ion Ratio	Lower Upper
82 100	
128 46.2	37.9 56.9
54 50.2	39.0 58.4



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

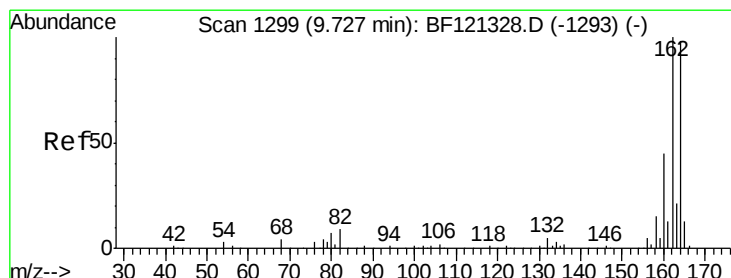
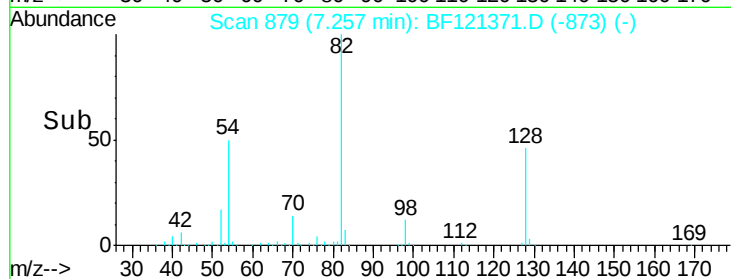
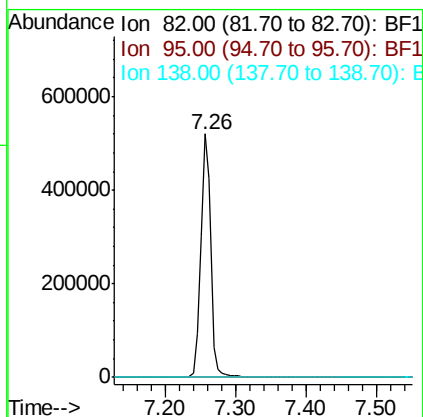
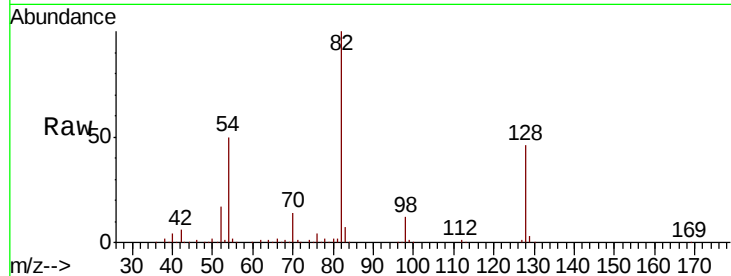




#25
Isophorone
Concen: 29.037 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.26 min
Lab File: BF121371.D
Acq: 21 Aug 2020 17:10

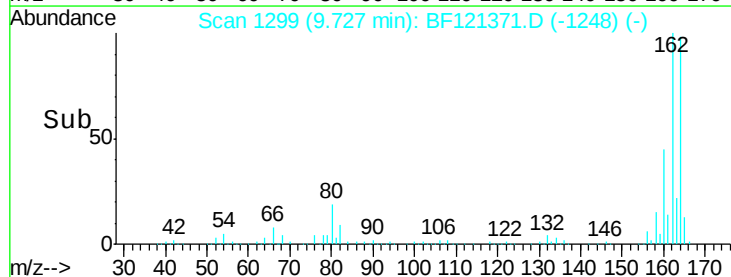
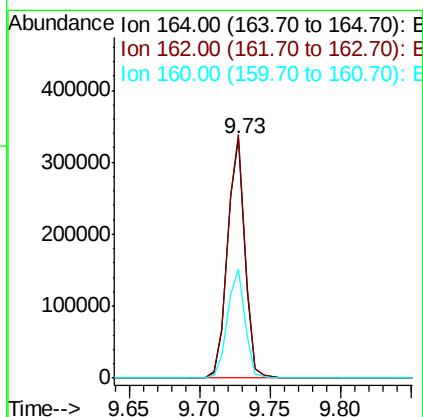
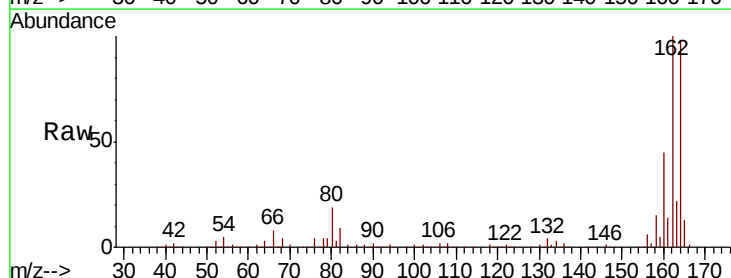
Instrument :
BNA_F
ClientSampleId :

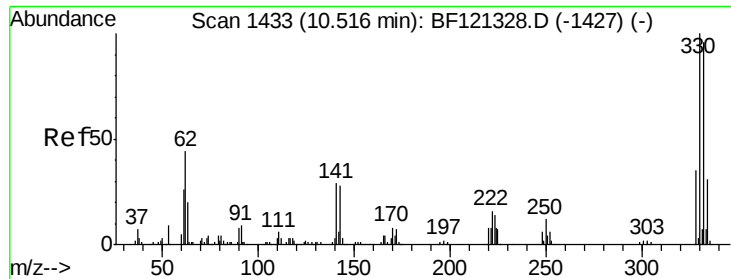
Tot Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	14.6	21.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BF121371.D
Acq: 21 Aug 2020 17:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.7	122.5
160	45.8	37.0	55.4

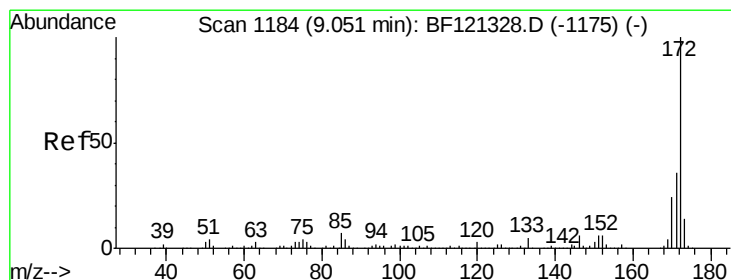
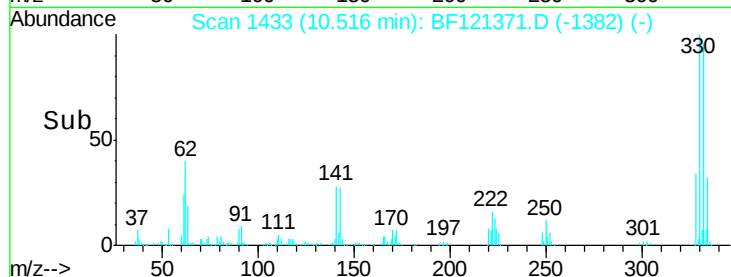
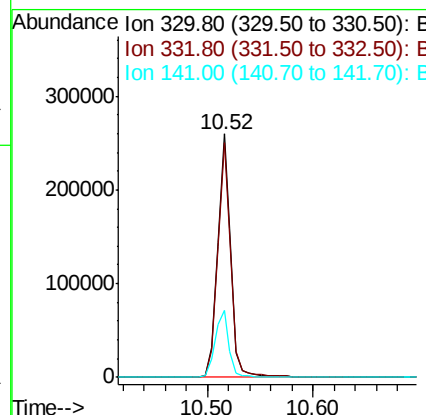
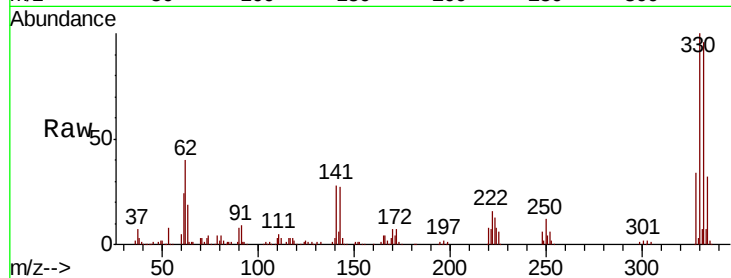




#42
 2,4,6-Tribromophenol
 Concen: 69.846 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: BF121371.D
 Acq: 21 Aug 2020 17:10

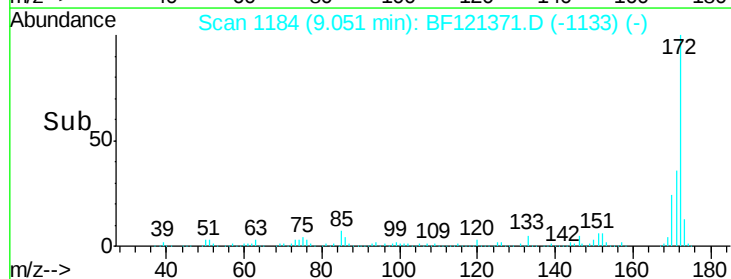
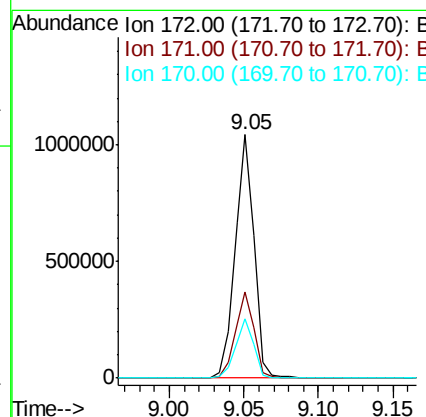
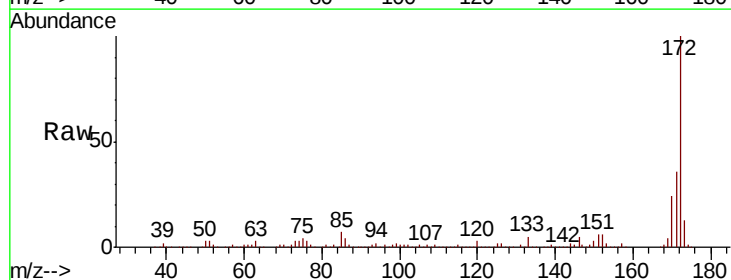
Instrument :
 BNA_F
 ClientSampleId :

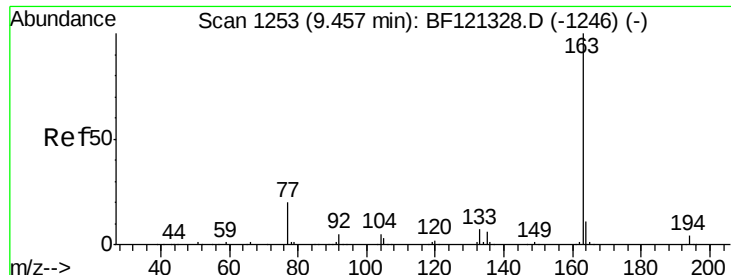
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.9	115.3
141	29.1	22.8	34.2



#45
 2-Fluorobiphenyl
 Concen: 59.621 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121371.D
 Acq: 21 Aug 2020 17:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.6
170	24.2	19.4	29.2





#50

Dimethylphthalate

Concen: 7.127 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BF121371.D

Acq: 21 Aug 2020 17:10

Instrument :

BNA_F

ClientSampled :

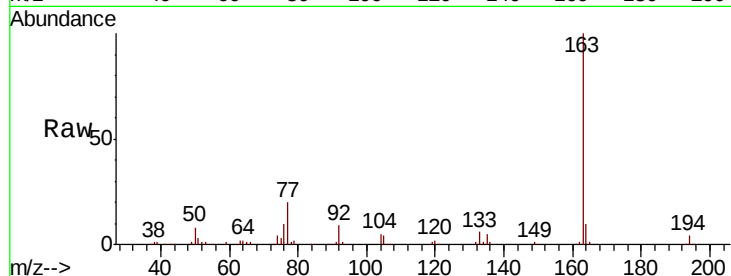
Tot Ion:163 Resp: 147146

Ion Ratio Lower Upper

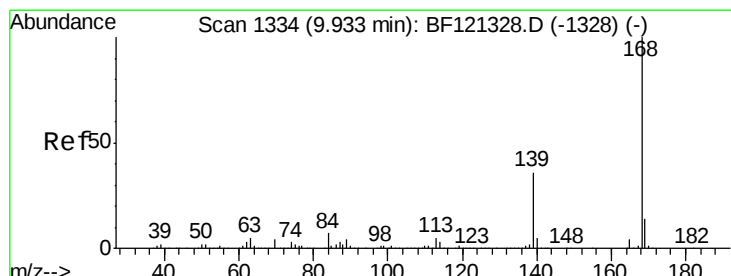
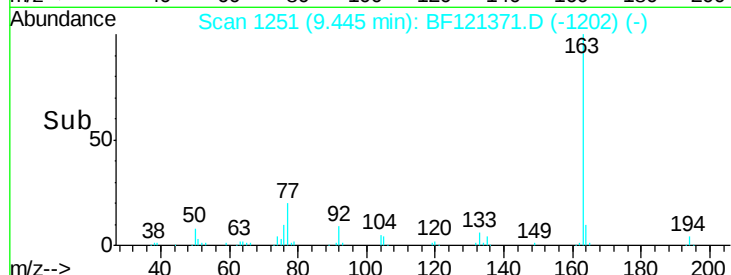
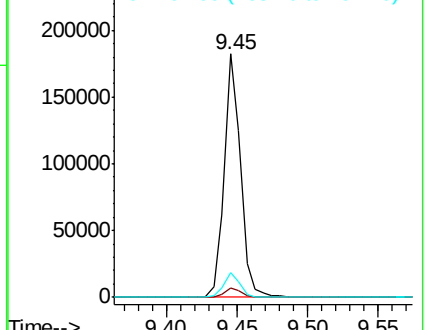
163 100

194 3.7 3.0 4.6

164 10.4 8.4 12.6



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



#55

Dibenzofuran

Concen: Below Cal

RT: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF121371.D

Acq: 21 Aug 2020 17:10

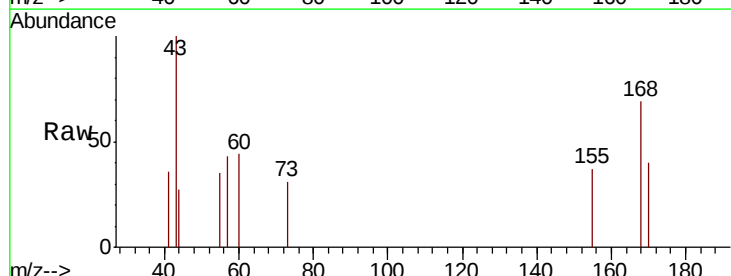
Tgt Ion:168 Resp: 611

Ion Ratio Lower Upper

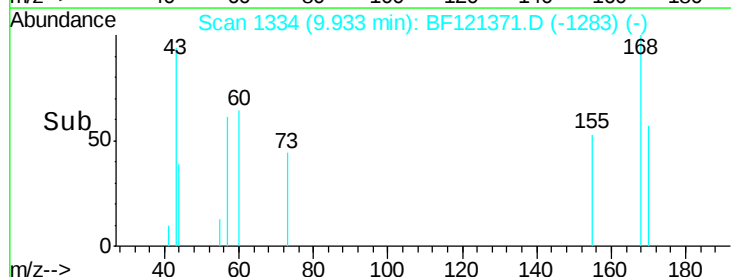
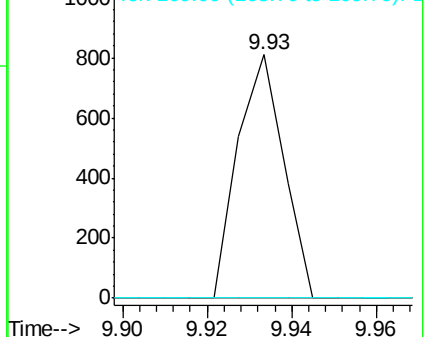
168 100

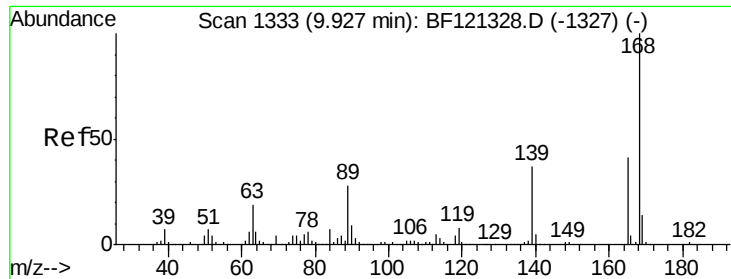
139 0.0 29.1 43.7#

169 0.0 11.0 16.6#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

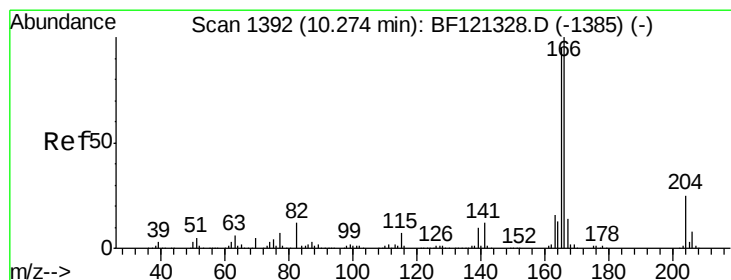
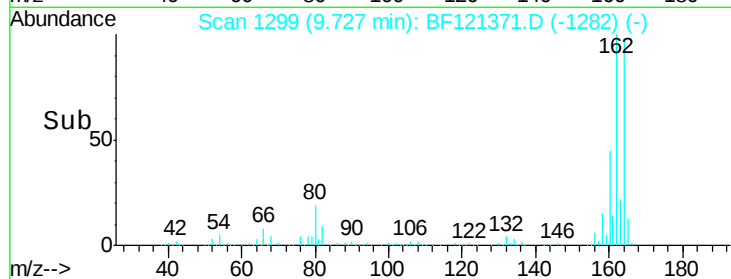
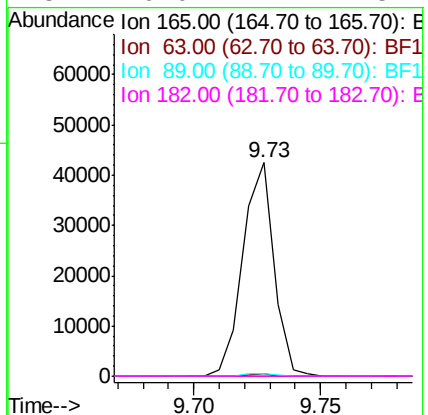
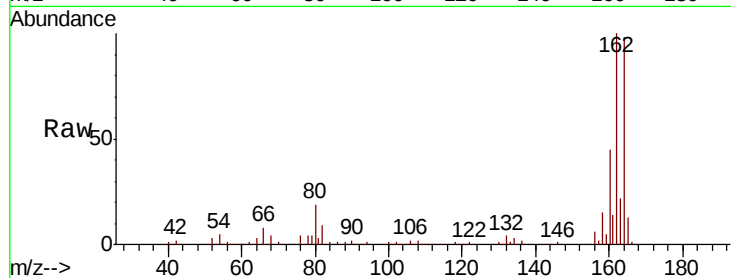




#57
 2,4-Dinitrotoluene
 Concen: 6.748 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.20 min
 Lab File: BF121371.D
 Acq: 21 Aug 2020 17:10

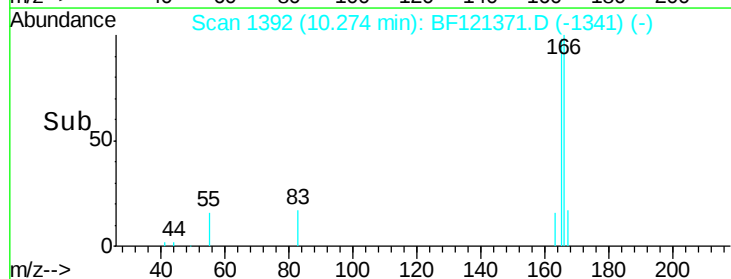
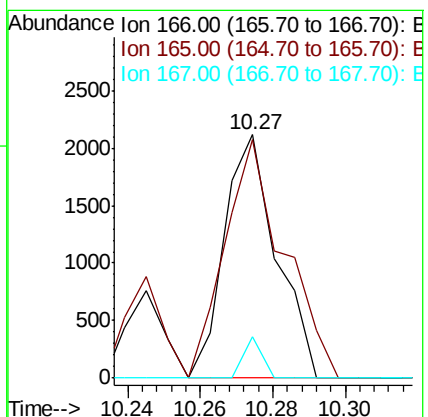
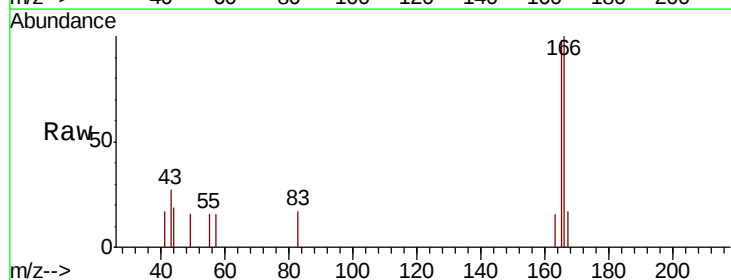
Instrument :
 BNA_F
 ClientSampleId :

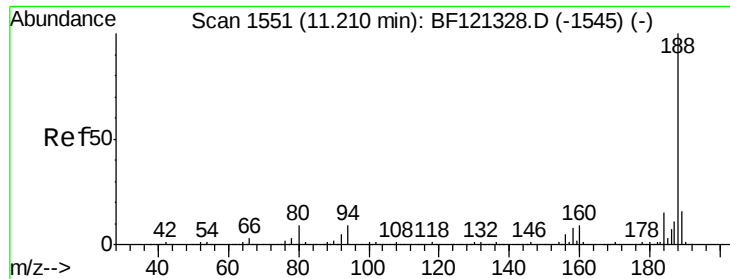
Tot Ion:165	Resp:	36299
Ion Ratio	Lower	Upper
165	100	
63	1.3	37.5 56.3#
89	1.5	54.2 81.4#
182	0.0	2.2 3.4#



#58
 Fluorene
 Concen: Below Cal
 RT: 10.27 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: BF121371.D
 Acq: 21 Aug 2020 17:10

Tgt Ion:166	Resp:	2128
Ion Ratio	Lower	Upper
166	100	
165	98.0	75.8 113.8
167	17.0	11.0 16.4#

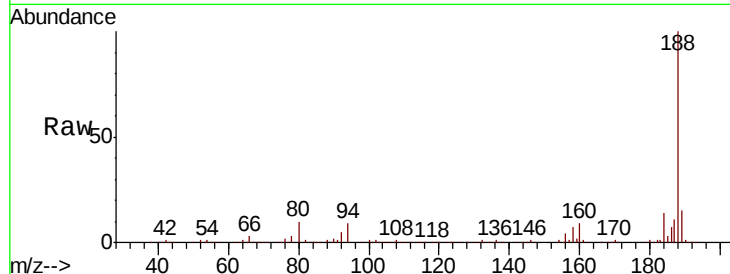




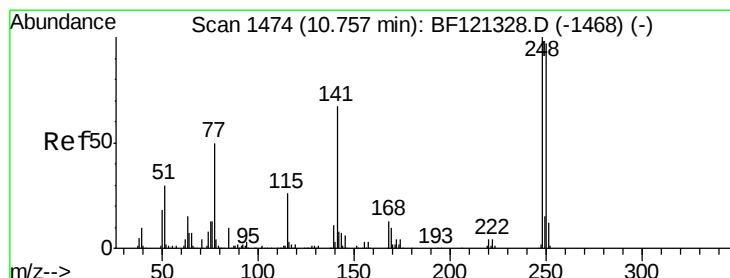
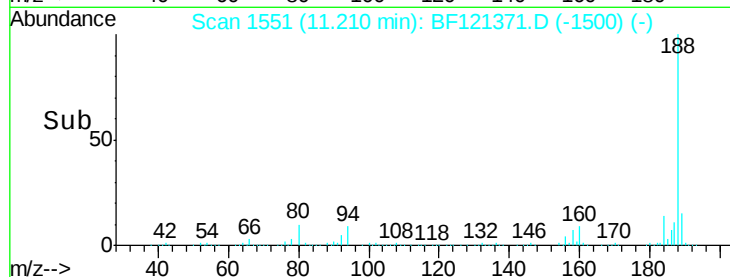
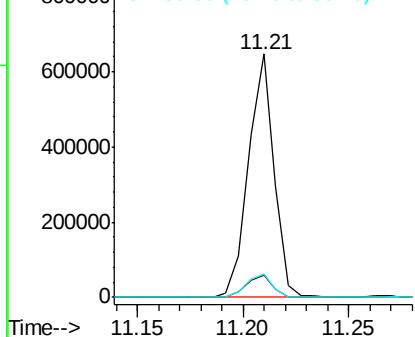
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.00 min
 Lab File: BF121371.D
 Acq: 21 Aug 2020 17:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 544394
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.2 10.8
 80 9.6 7.4 11.0

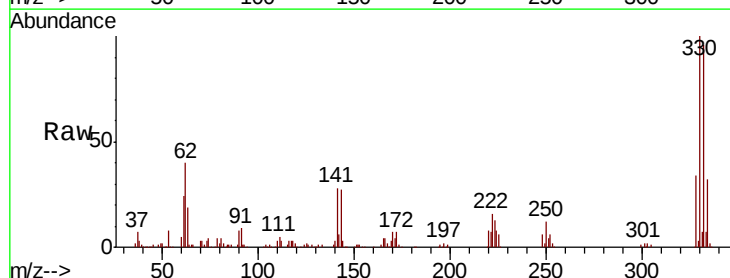


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

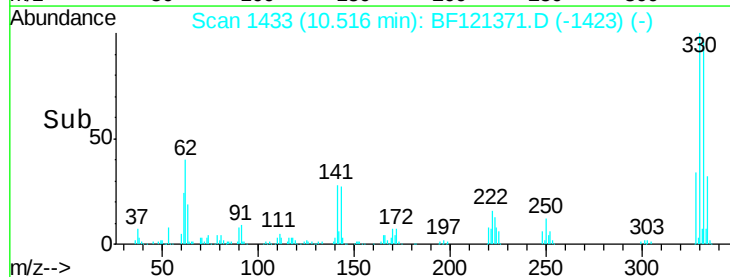
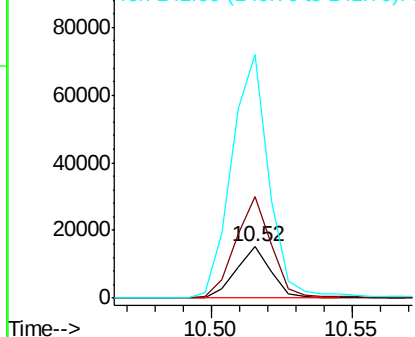


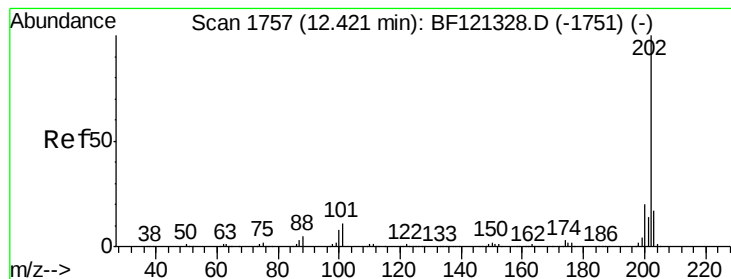
#67
 4-Bromophenyl-phenylether
 Concen: 2.148 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.24 min
 Lab File: BF121371.D
 Acq: 21 Aug 2020 17:10

Tgt Ion:248 Resp: 12970
 Ion Ratio Lower Upper
 248 100
 250 198.2 77.9 116.9#
 141 472.7 53.5 80.3#



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: 2.378 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF121371.D

Acq: 21 Aug 2020 17:10

Instrument :

BNA_F

ClientSampled :

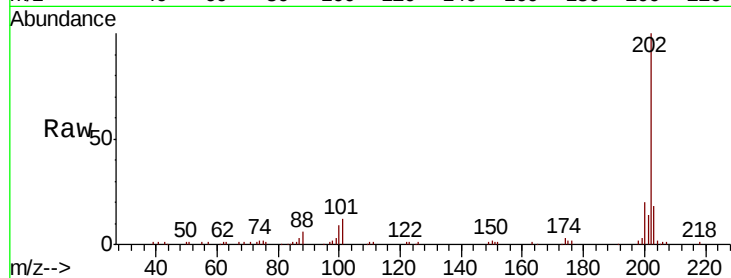
Tot Ion:202 Resp: 72722

Ion Ratio Lower Upper

202 100

101 12.1 0.0 30.6

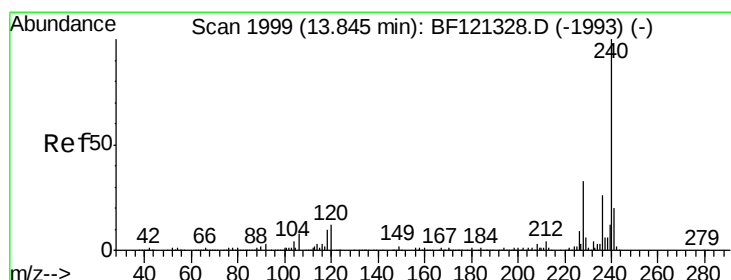
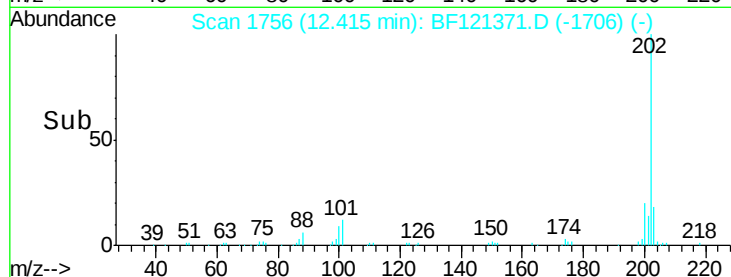
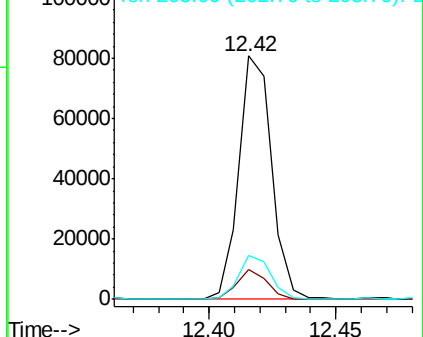
203 17.9 0.0 37.5



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: 13.84 min Scan# 1999

Delta R.T. -0.00 min

Lab File: BF121371.D

Acq: 21 Aug 2020 17:10

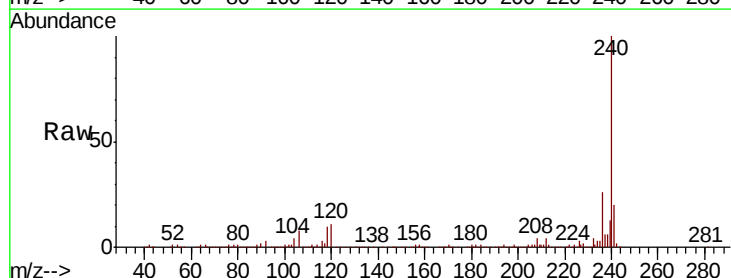
Tgt Ion:240 Resp: 376807

Ion Ratio Lower Upper

240 100

120 11.4 9.6 14.4

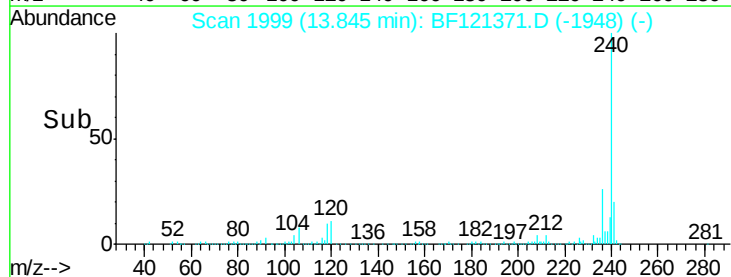
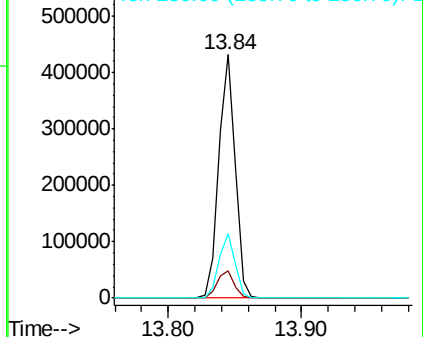
236 26.4 20.6 31.0

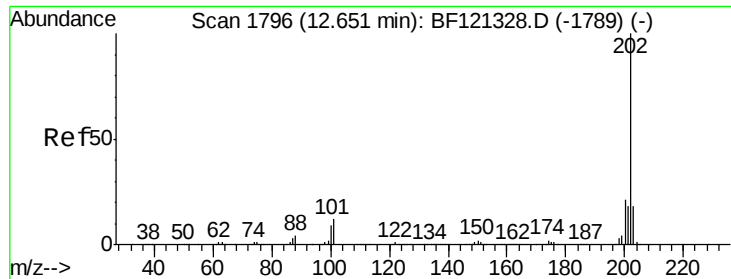


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

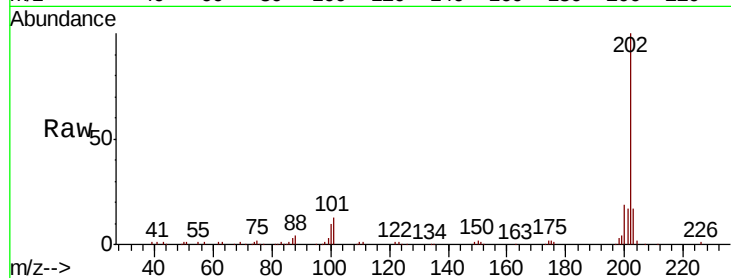




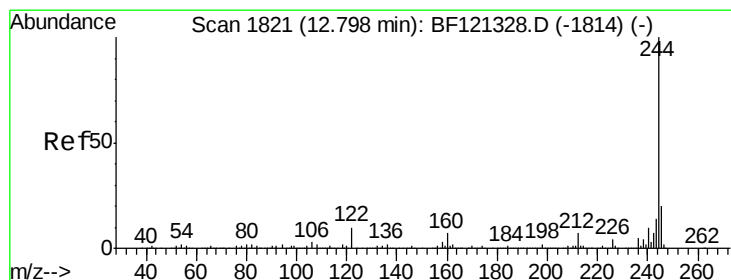
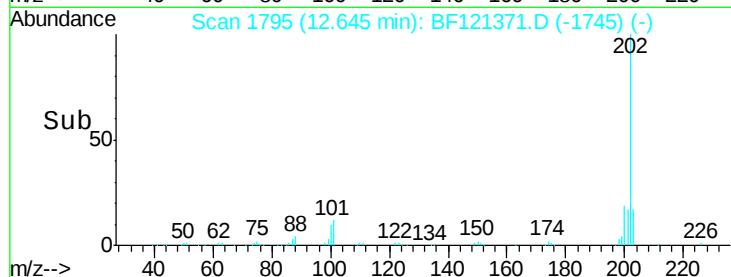
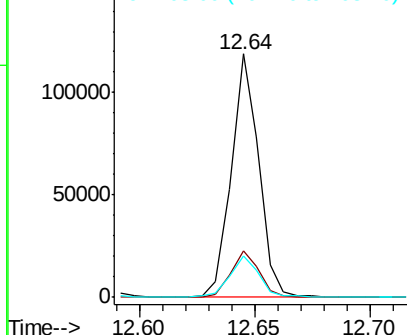
#78
Pvrene
Concen: 3.488 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF121371.D
Acq: 21 Aug 2020 17:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 98734
Ion Ratio Lower Upper
202 100
200 19.2 16.6 24.8
203 17.1 14.2 21.2

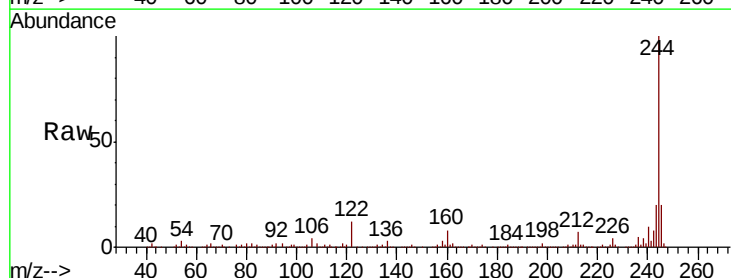


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

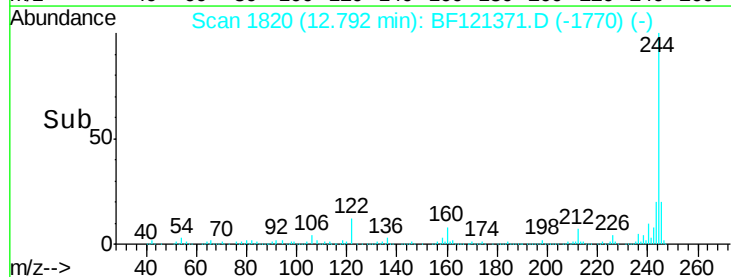
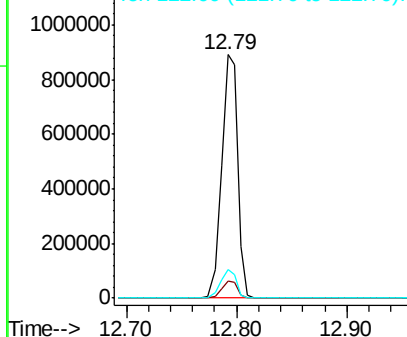


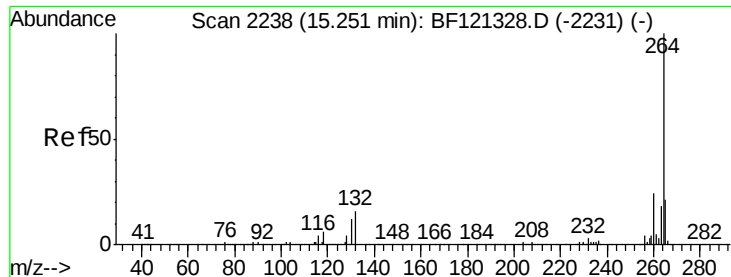
#79
Terphenyl-d14
Concen: 46.710 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF121371.D
Acq: 21 Aug 2020 17:10

Tgt Ion:244 Resp: 900678
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 11.9 7.8 11.8#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

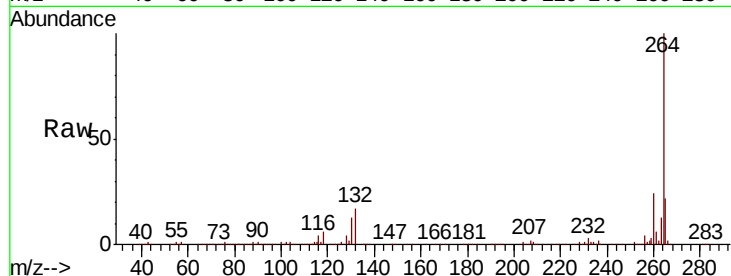




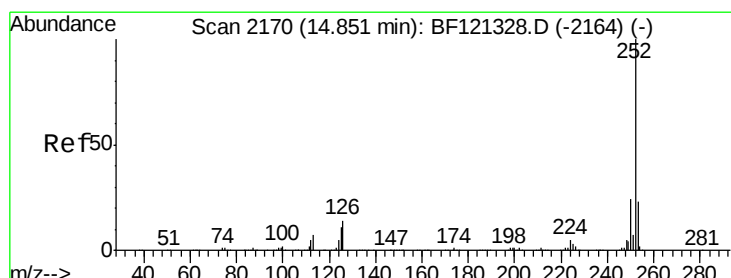
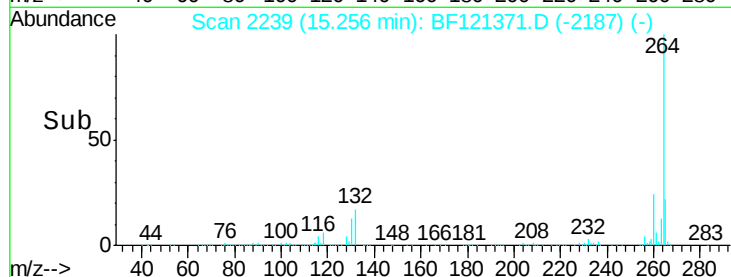
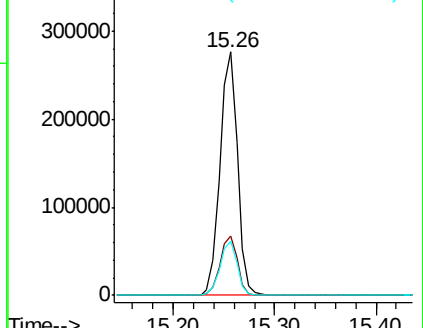
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF121371.D
Acq: 21 Aug 2020 17:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.3	17.1	25.7

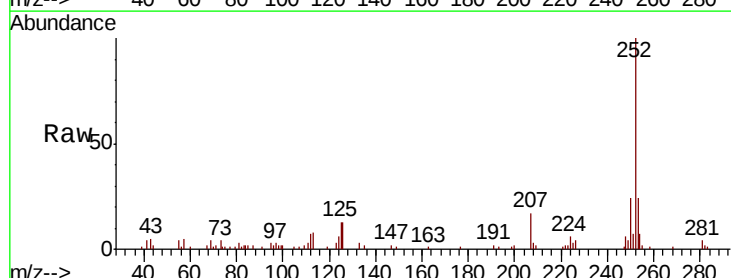


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

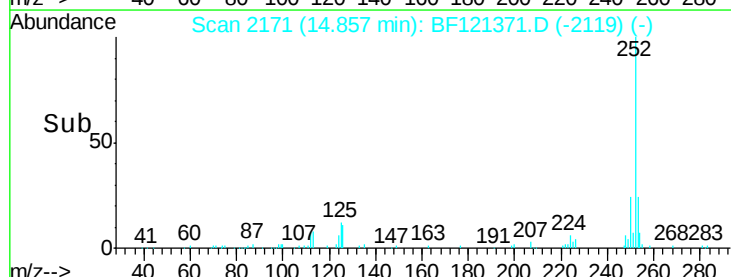
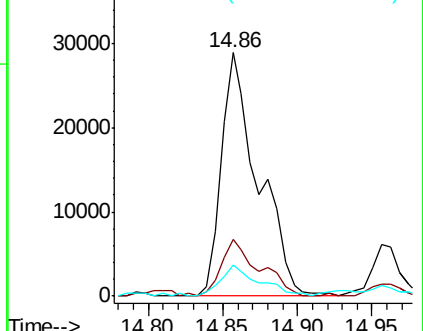


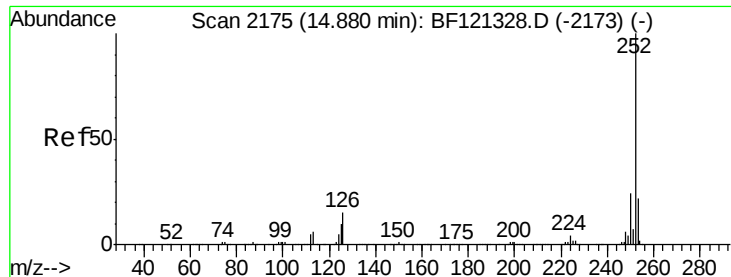
#88
Benzo(b)fluoranthene
Concen: 2.329 ng
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF121371.D
Acq: 21 Aug 2020 17:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	12.8	8.6	12.8



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

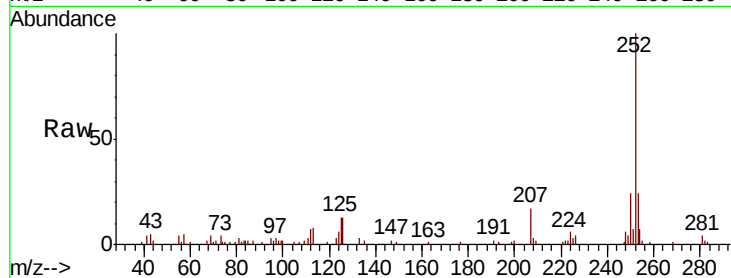




#89
Benzo(k)fluoranthene
Concen: 2.645 ng
RT: 14.86 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF121371.D
Acq: 21 Aug 2020 17:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	12.8	8.6	12.8

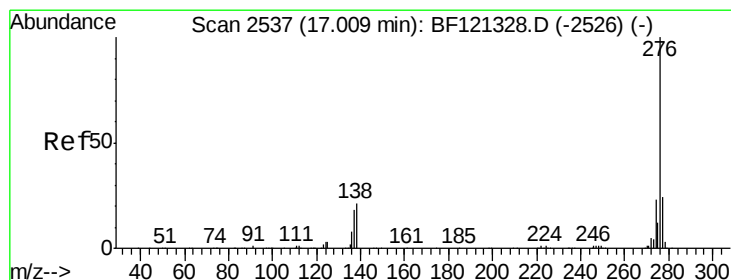
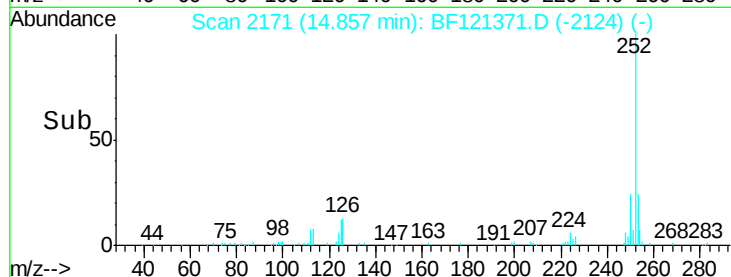
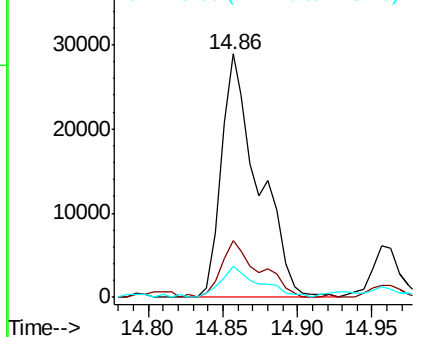


Abundance

Ion 252.00 (251.70 to 252.70): E

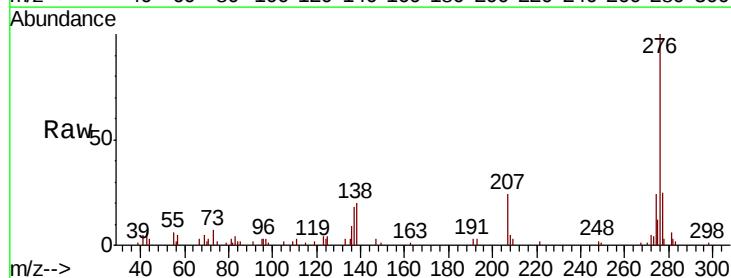
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.710 ng
RT: 17.02 min Scan# 2538
Delta R.T. 0.01 min
Lab File: BF121371.D
Acq: 21 Aug 2020 17:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.3	28.9
138	20.3	16.8	25.2



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

