

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
 Data File : BF116373.D
 Acq On : 18 Aug 2019 2:45
 Operator : HP/JU
 Sample : K4384-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 19 07:49:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

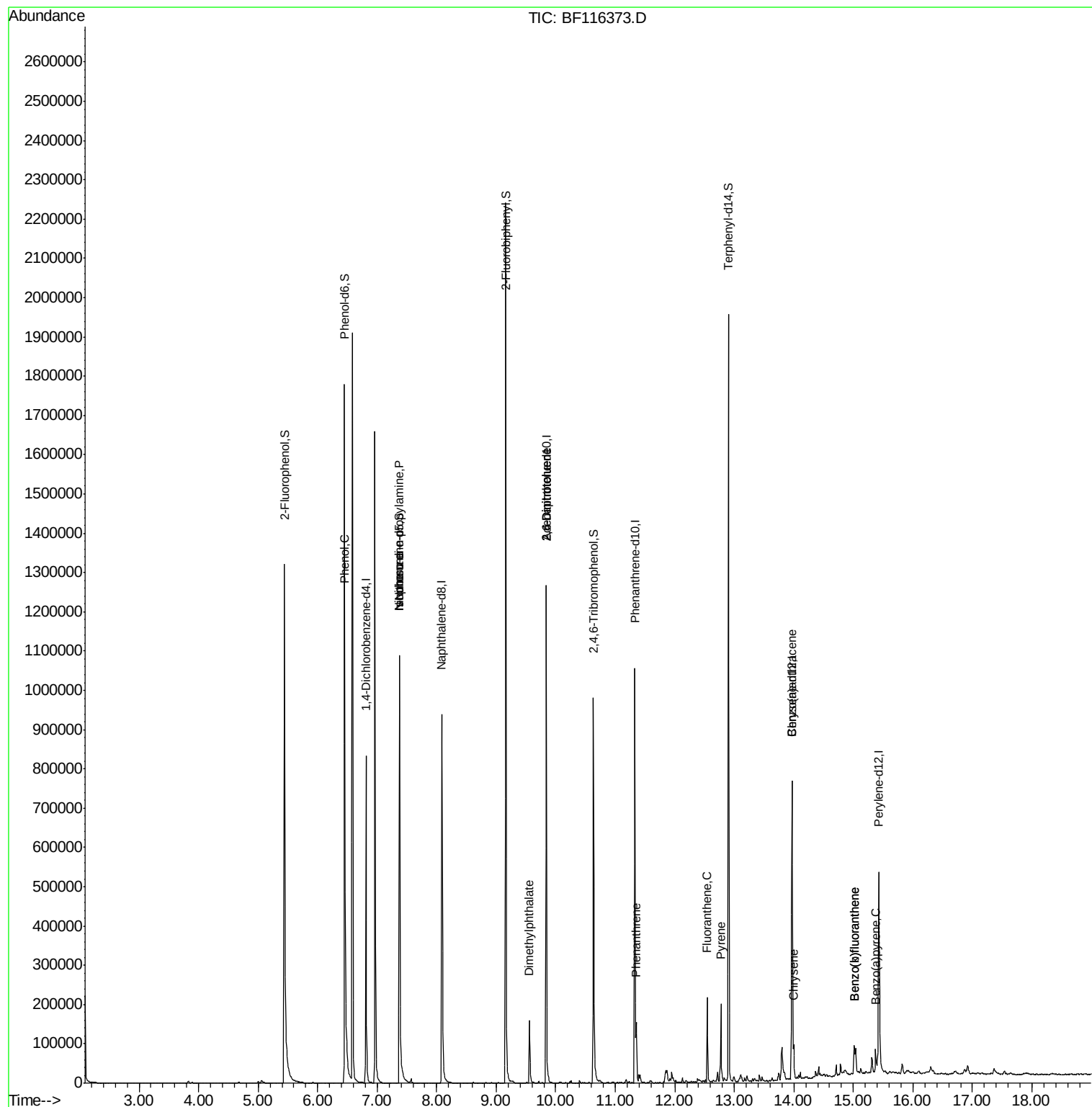
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	128615	20.00	ng	-0.04
21) Naphthalene-d8	8.09	136	493408	20.00	ng	-0.04
39) Acenaphthene-d10	9.84	164	247653	20.00	ng	-0.05
64) Phenanthrene-d10	11.33	188	378531	20.00	ng	-0.04
76) Chrysene-d12	13.97	240	235967	20.00	ng	-0.04
87) Perylene-d12	15.43	264	262156	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	529438	68.91	ng	-0.03
7) Phenol-d6	6.45	99	691874	71.38	ng	-0.04
23) Nitrobenzene-d5	7.37	82	428894	50.18	ng	-0.04
42) 2,4,6-Tribromophenol	10.63	330	137181	57.13	ng	-0.04
45) 2-Fluorobiphenyl	9.16	172	747625	56.55	ng	-0.04
79) Terphenyl-d14	12.90	244	623026	55.64	ng	-0.05
Target Compounds						
10) Phenol	6.46	94	34297	3.005	ng	84
19) n-Nitroso-di-n-propylamine	7.37	70	55890	9.305	ng	# 80
25) Isophorone	7.37	82	428890	26.240	ng	# 65
50) Dimethylphthalate	9.56	163	76871	4.559	ng	99
51) 2,6-Dinitrotoluene	9.84	165	31000	8.460	ng	# 29
57) 2,4-Dinitrotoluene	9.84	165	31000	6.354	ng	# 20
71) Phenanthrene	11.35	178	60039	3.103	ng	98
75) Fluoranthene	12.55	202	90707	4.477	ng	98
78) Pyrene	12.77	202	79624	4.476	ng	98
81) Benzo(a)anthracene	13.96	228	38349	2.543	ng	97
83) Chrysene	14.00	228	33596	2.294	ng	98
88) Benzo(b)fluoranthene	15.02	252	56899	3.754	ng	99
89) Benzo(k)fluoranthene	15.02	252	56899	3.854	ng	98
90) Benzo(a)pyrene	15.37	252	29096	2.147	ng	97

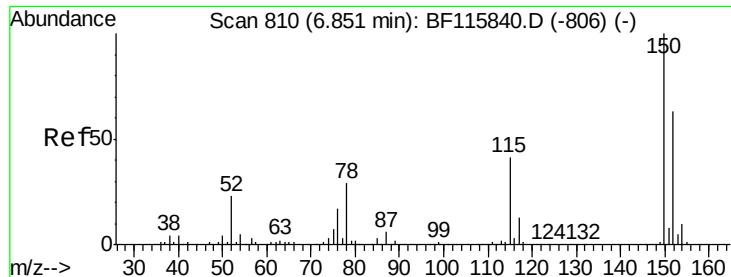
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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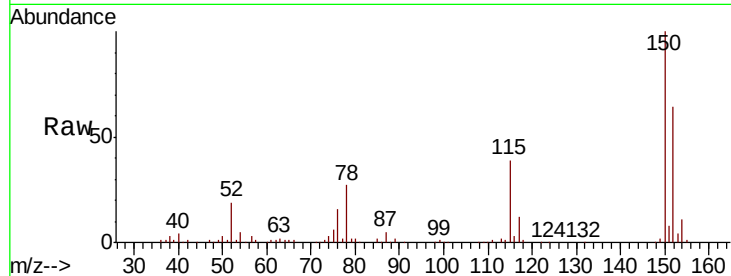


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.04 min
Lab File: BF116373.D
Acq: 18 Aug 2019 2:45

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.2	189.2
115	60.8	49.9	74.9

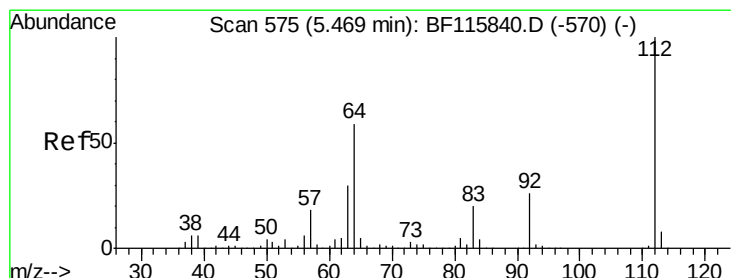
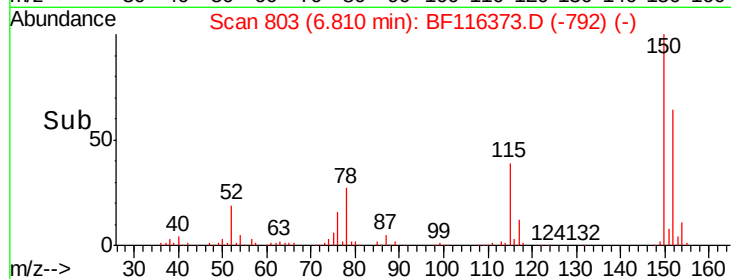
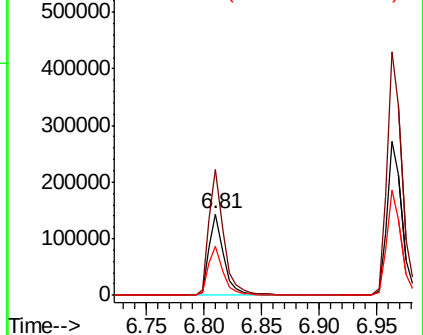


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

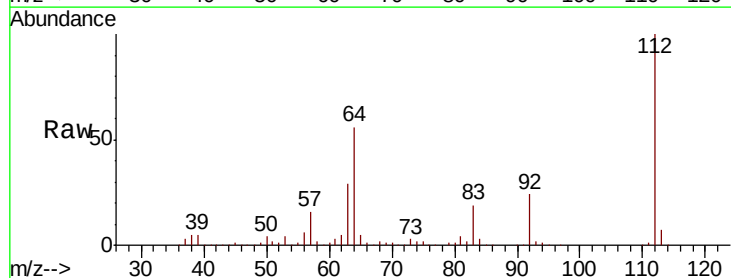
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 68.912 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.03 min
Lab File: BF116373.D
Acq: 18 Aug 2019 2:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	45.4	68.2
63	28.6	23.7	35.5

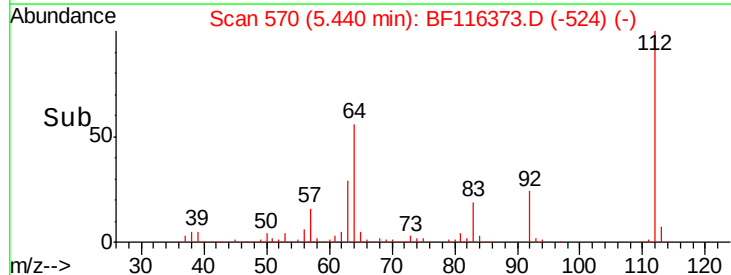
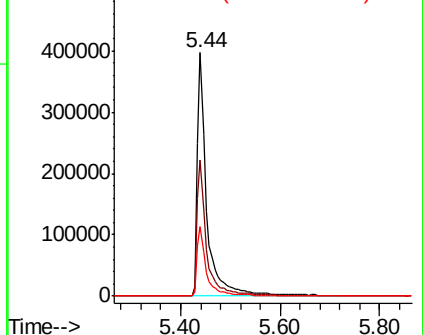


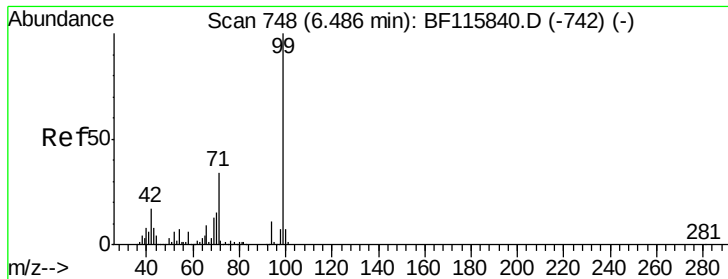
Abundance

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: 71.377 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.04 min

Lab File: BF116373.D

Acq: 18 Aug 2019 2:45

Instrument :

BNA_F

ClientSampleId :

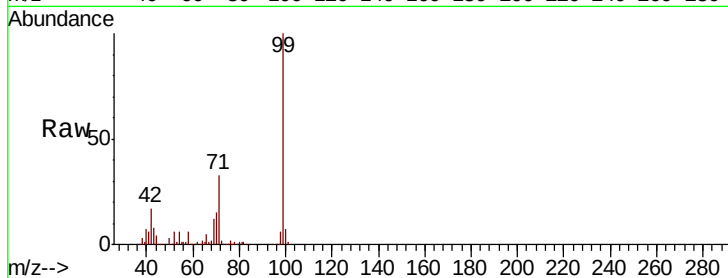
Tot Ion: 99 Resp: 691874

Ion Ratio Lower Upper

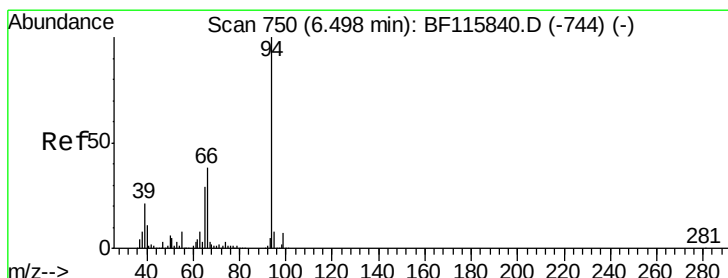
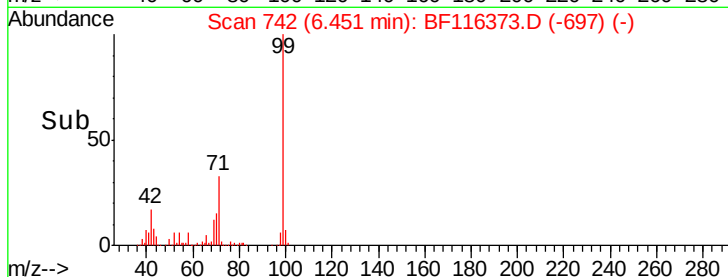
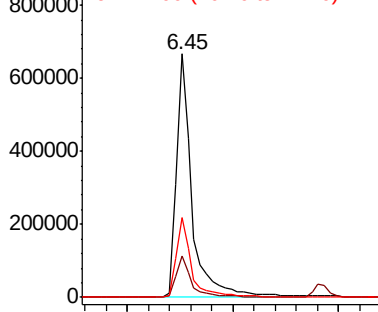
99 100

42 16.7 13.8 20.8

71 32.6 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.005 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.04 min

Lab File: BF116373.D

Acq: 18 Aug 2019 2:45

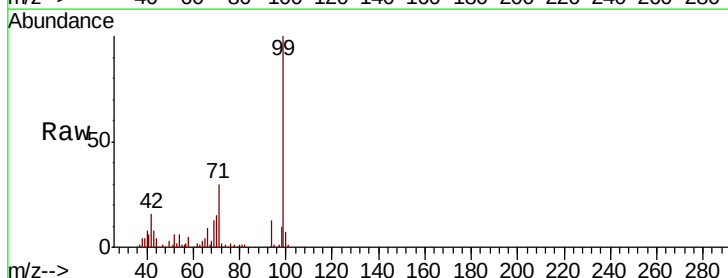
Tgt Ion: 94 Resp: 34297

Ion Ratio Lower Upper

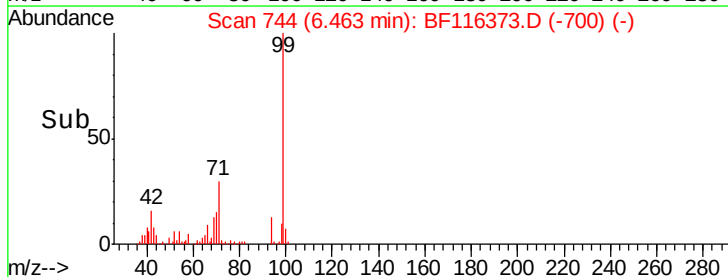
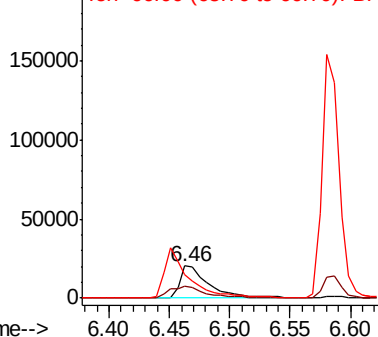
94 100

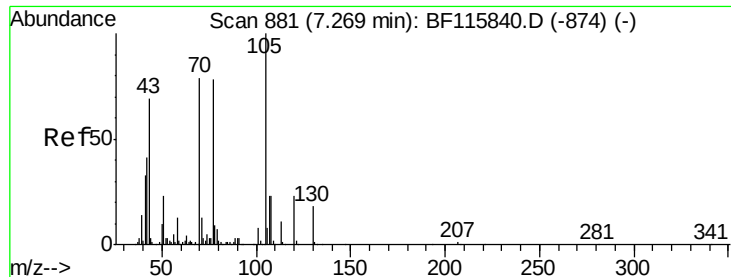
65 35.3 16.8 56.8

66 72.0 34.2 74.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

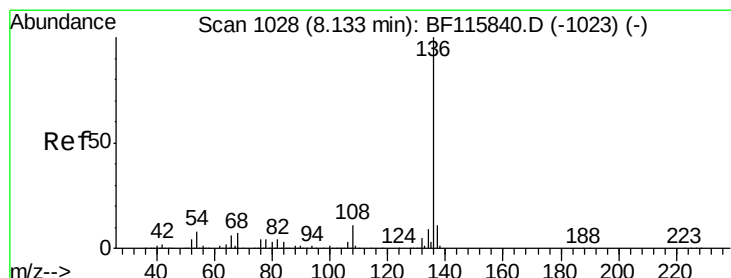
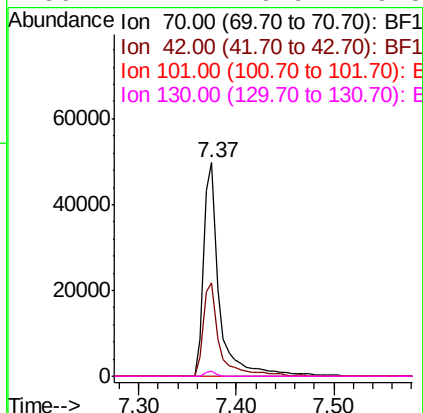
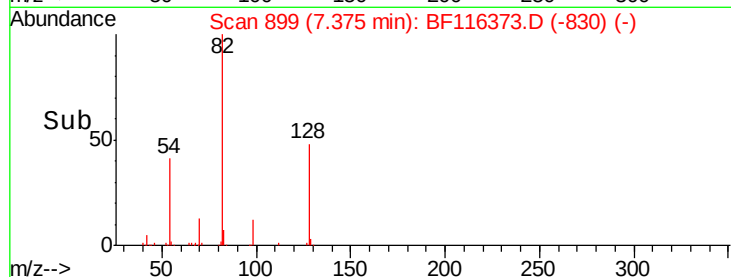
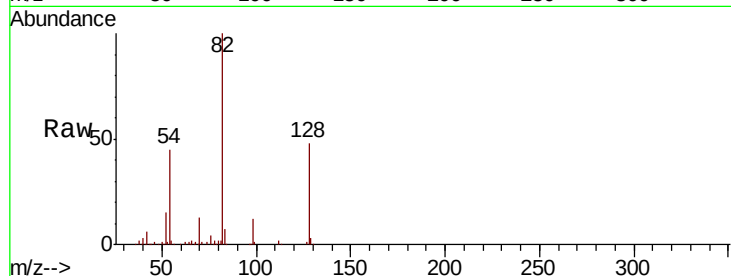




#19
n-Nitroso-di-n-propylamine
Concen: 9.305 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.11 min
Lab File: BF116373.D
Acq: 18 Aug 2019 2:45

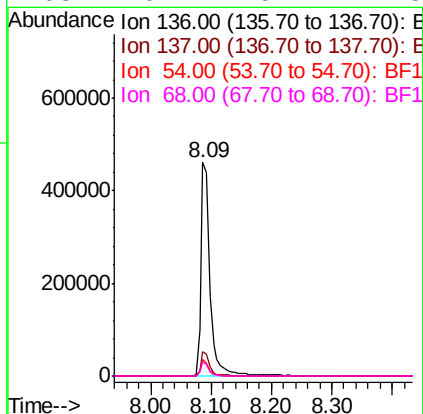
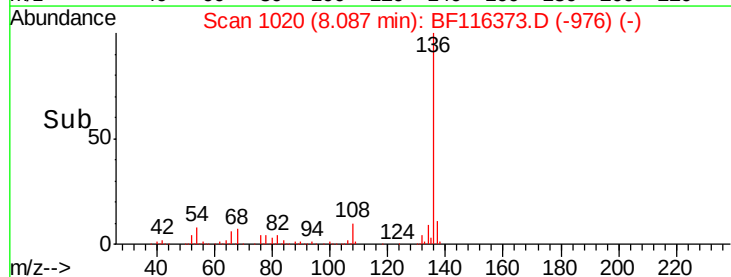
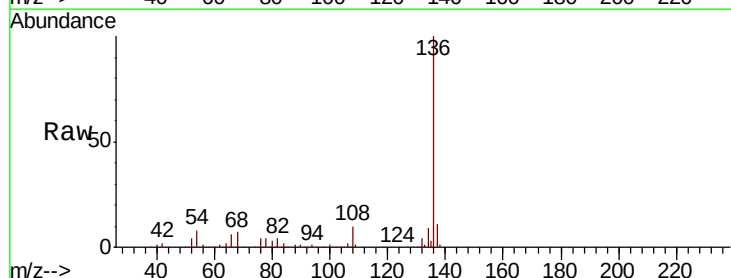
Instrument :
BNA_F
ClientSampleId :

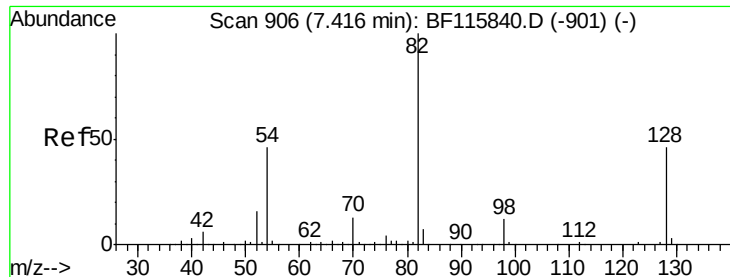
Tot Ion:	70	Resp:	55890
Ion	Ratio	Lower	Upper
70	100		
42	43.7	40.9	61.3
101	0.0	7.9	11.9#
130	2.2	16.9	25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.04 min
Lab File: BF116373.D
Acq: 18 Aug 2019 2:45

Tgt Ion:	136	Resp:	493408
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	7.8	5.8	8.6
68	6.7	5.2	7.8

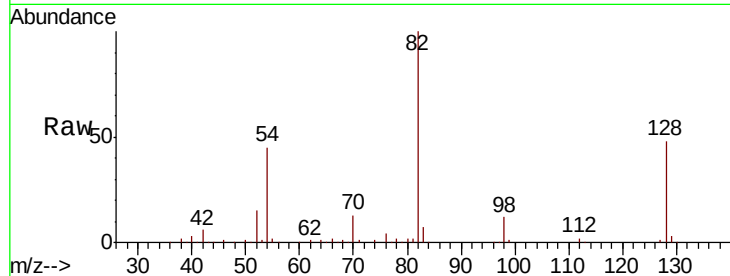




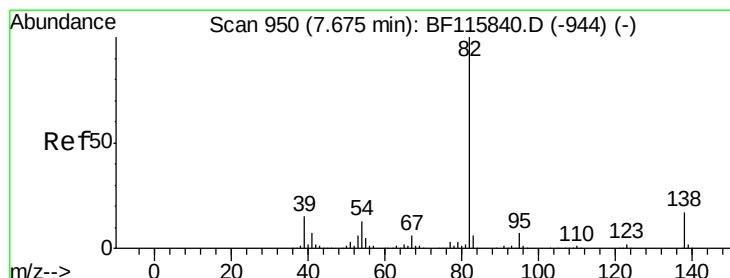
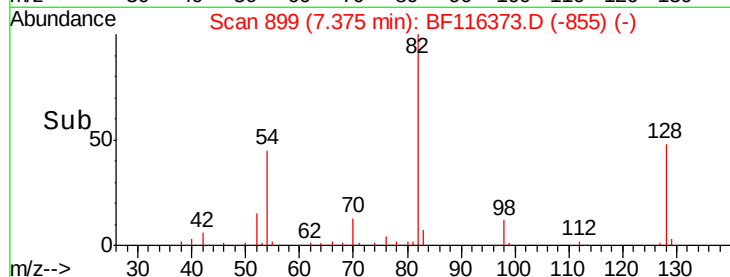
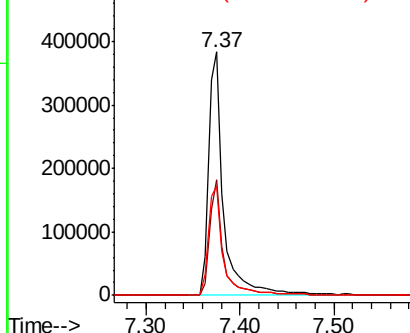
#23
 Nitrobenzene-d5
 Concen: 50.176 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.04 min
 Lab File: BF116373.D
 Acq: 18 Aug 2019 2:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	428894
Ion Ratio	100	Lower	Upper
128	47.6	36.5	54.7
54	44.8	36.0	54.0

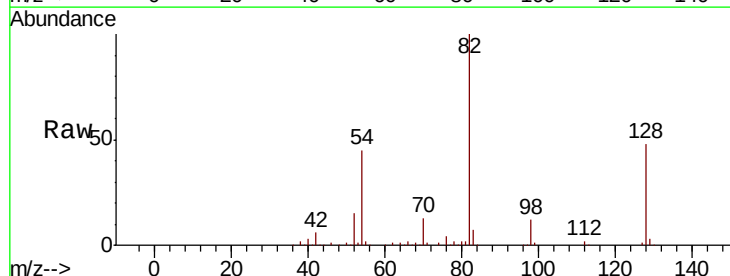


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

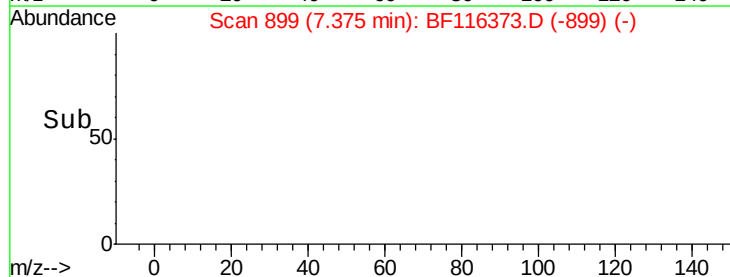
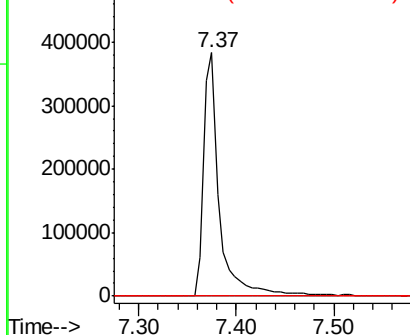


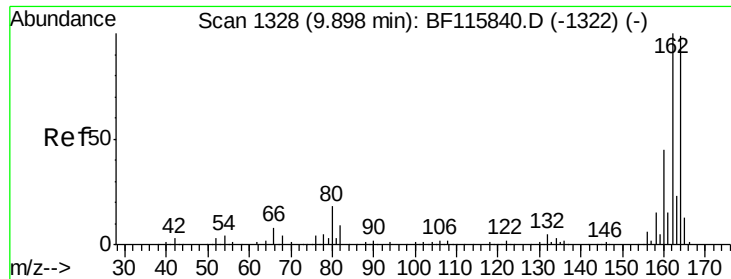
#25
 Isophorone
 Concen: 26.240 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.30 min
 Lab File: BF116373.D
 Acq: 18 Aug 2019 2:45

Tgt Ion	82	Resp	428890
Ion Ratio	100	Lower	Upper
95	0.0	5.4	8.0#
138	0.0	14.5	21.7#



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: 9.84 min Scan# 1318

Delta R.T. -0.05 min

Lab File: BF116373.D

Acq: 18 Aug 2019 2:45

Instrument :

BNA_F

ClientSampleId :

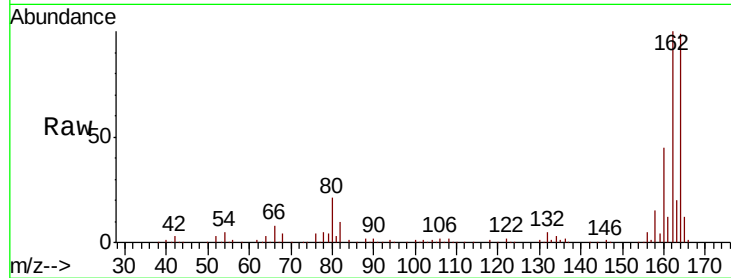
Tot Ion:164 Resp: 247653

Ion Ratio Lower Upper

164 100

162 100.6 82.6 124.0

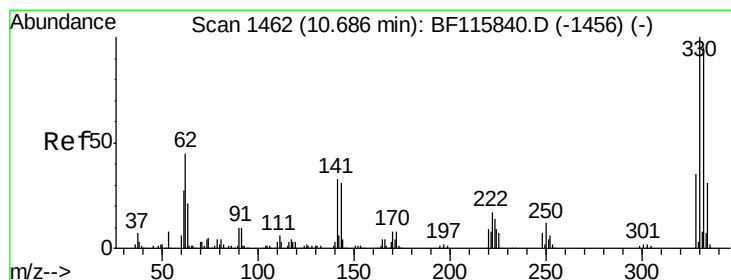
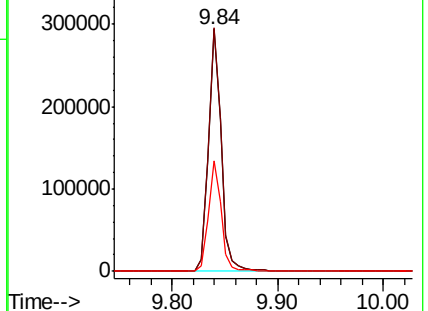
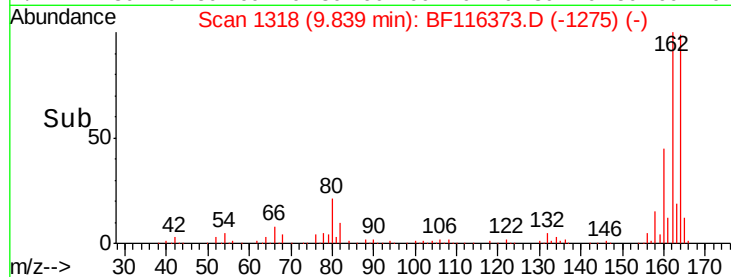
160 45.7 37.6 56.4



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: 57.133 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.04 min

Lab File: BF116373.D

Acq: 18 Aug 2019 2:45

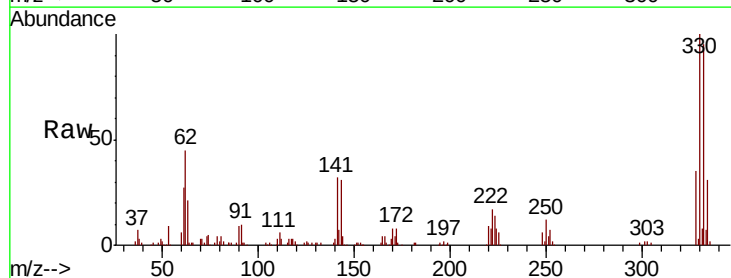
Tgt Ion:330 Resp: 137181

Ion Ratio Lower Upper

330 100

332 96.3 76.8 115.2

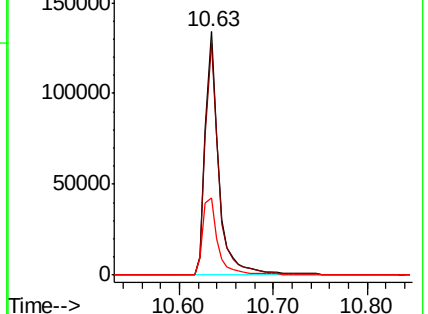
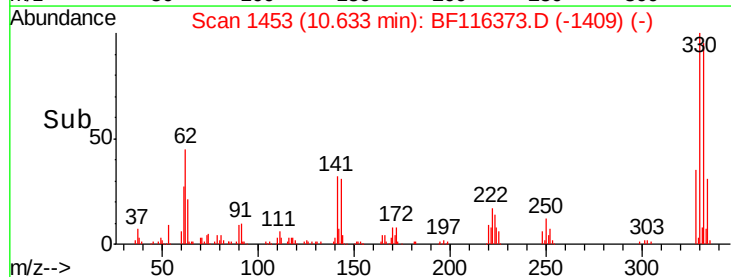
141 35.4 26.3 39.5

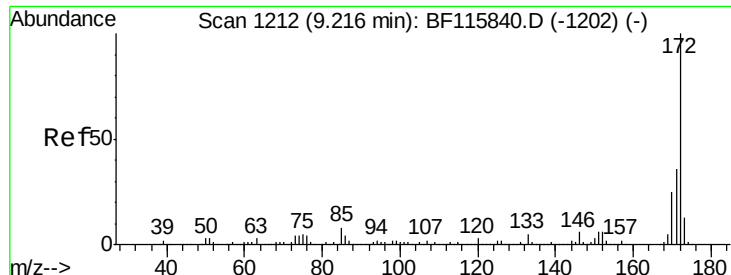


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

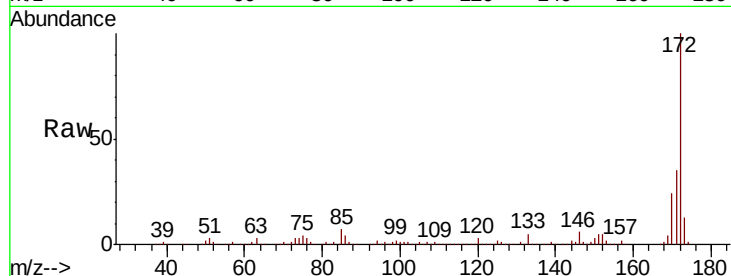




#45
2-Fluorobiphenyl
Concen: 56.545 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.04 min
Lab File: BF116373.D
Acq: 18 Aug 2019 2:45

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.6	44.4
170	24.1	20.1	30.1

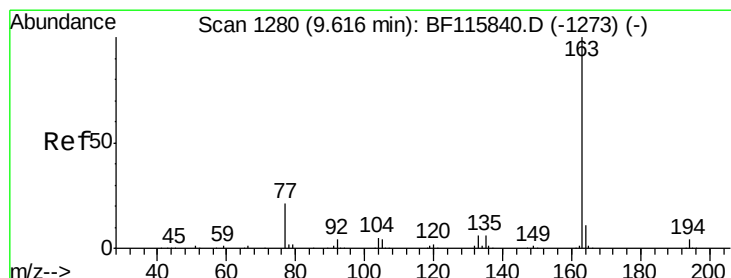
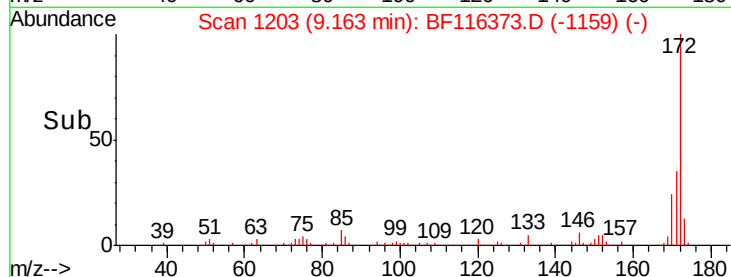
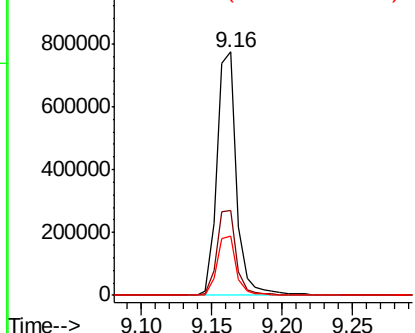


Abundance

Ion 172.00 (171.70 to 172.70): E

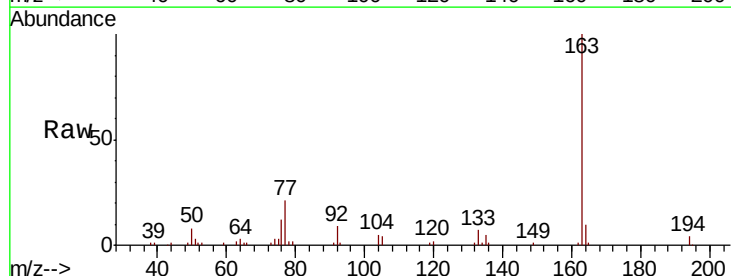
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.559 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.05 min
Lab File: BF116373.D
Acq: 18 Aug 2019 2:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.4	12.6

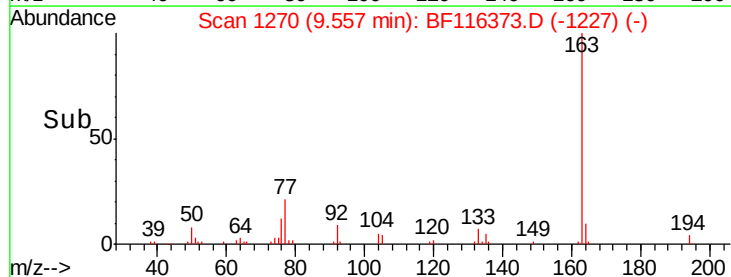
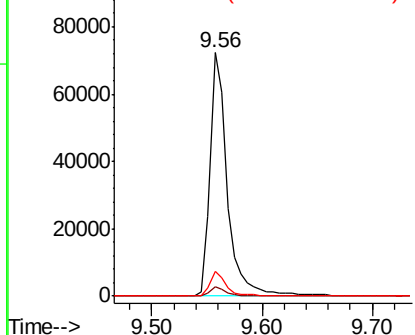


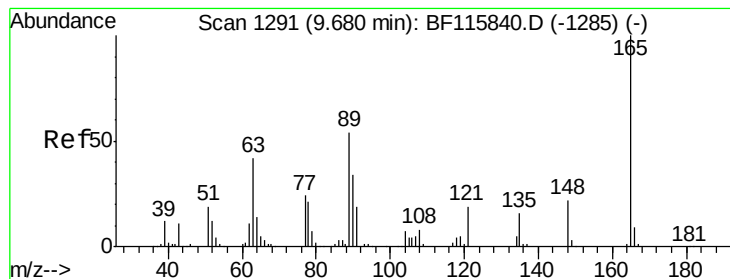
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 8.460 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.16 min

Lab File: BF116373.D

Acq: 18 Aug 2019 2:45

Instrument :

BNA_F

ClientSampleId :

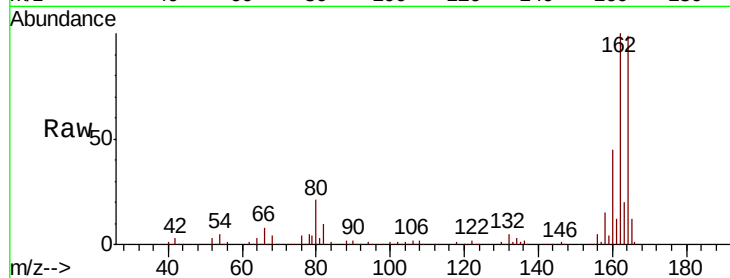
Tot Ion:165 Resp: 31000

Ion Ratio Lower Upper

165 100

63 1.2 38.2 57.2#

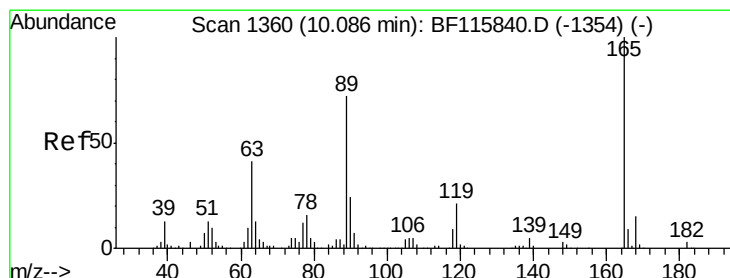
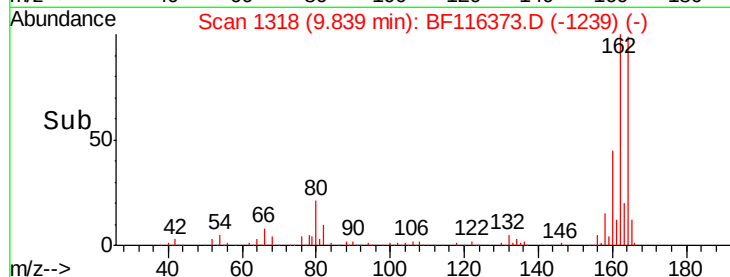
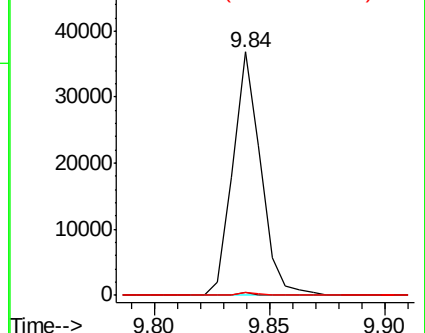
89 1.3 42.9 64.3#



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: 6.354 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.24 min

Lab File: BF116373.D

Acq: 18 Aug 2019 2:45

Tgt Ion:165 Resp: 31000

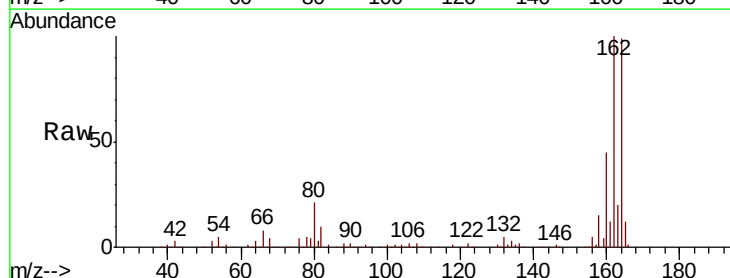
Ion Ratio Lower Upper

165 100

63 1.2 39.6 59.4#

89 1.3 62.2 93.2#

182 0.0 2.1 3.1#

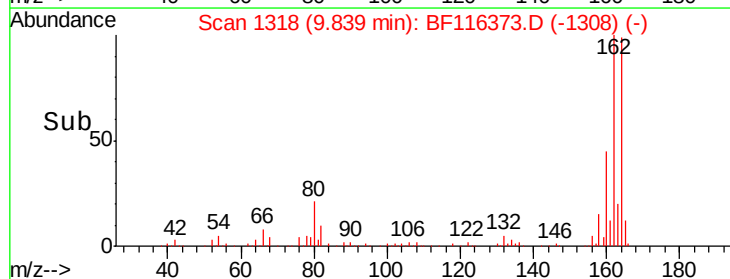
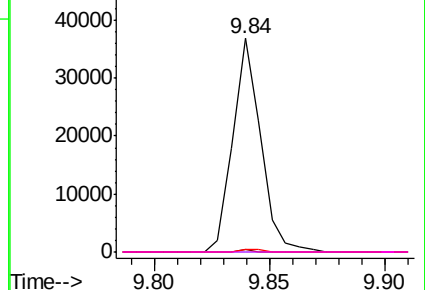


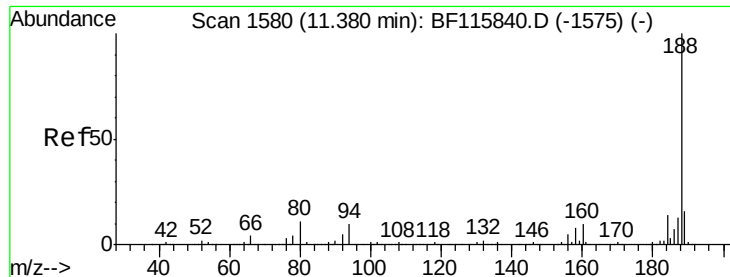
Abundance Ion 165.00 (164.70 to 165.70): E

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

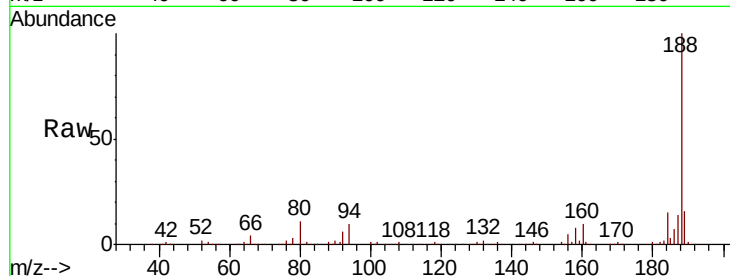




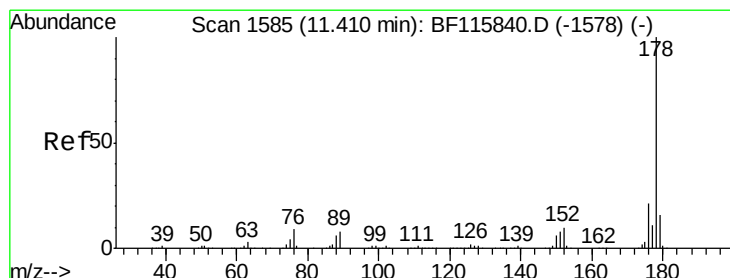
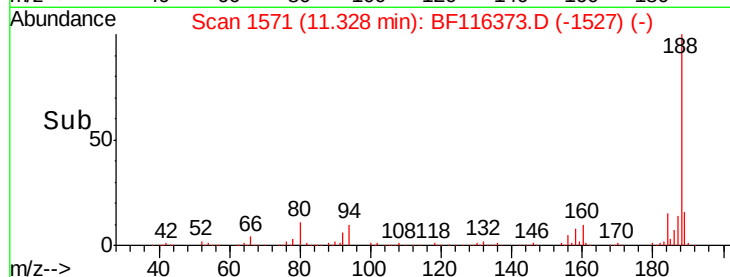
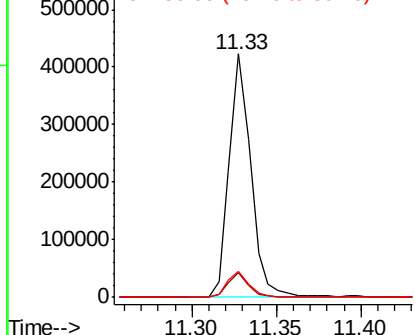
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.04 min
Lab File: BF116373.D
Acq: 18 Aug 2019 2:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 378531
Ion Ratio Lower Upper
188 100
94 9.9 8.1 12.1
80 10.7 8.7 13.1

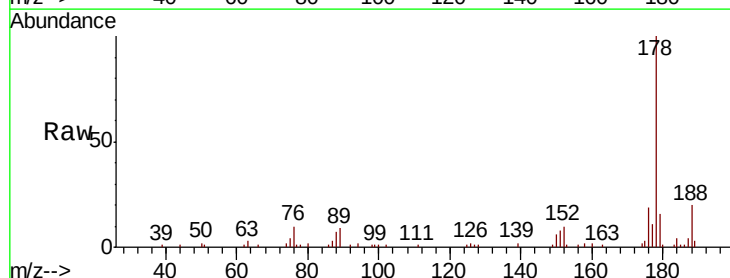


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

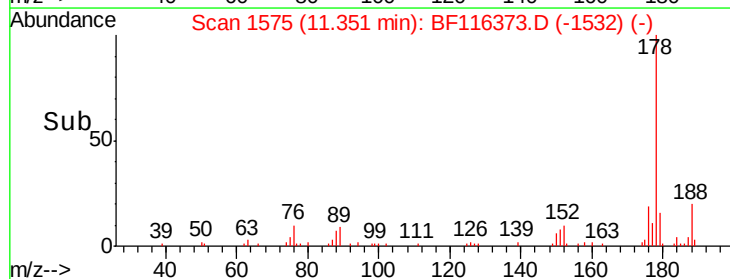
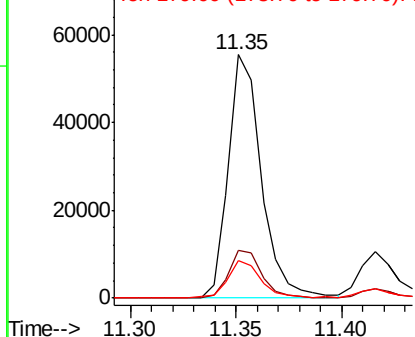


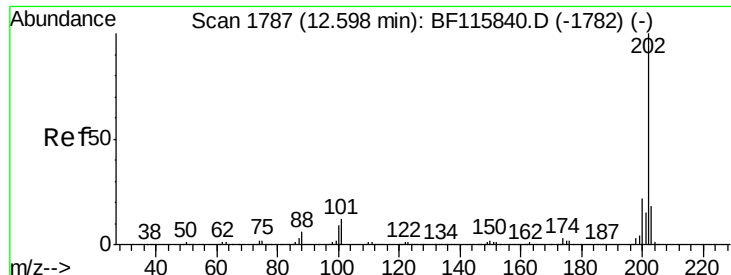
#71
Phenanthrene
Concen: 3.103 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.05 min
Lab File: BF116373.D
Acq: 18 Aug 2019 2:45

Tgt Ion:178 Resp: 60039
Ion Ratio Lower Upper
178 100
176 19.4 16.6 24.8
179 15.5 12.5 18.7



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

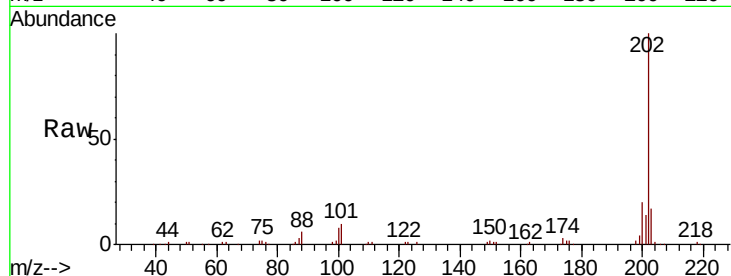




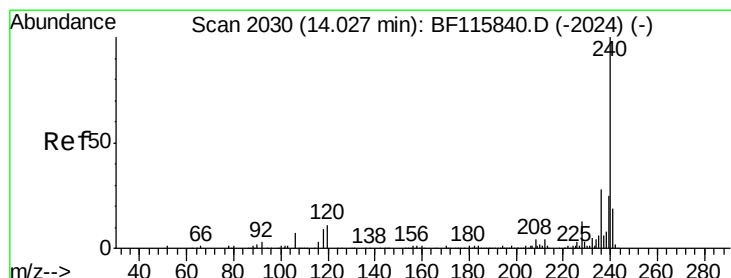
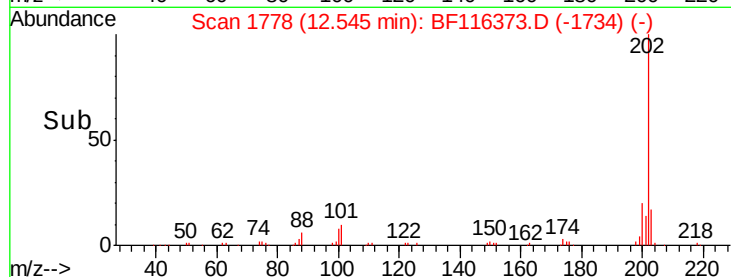
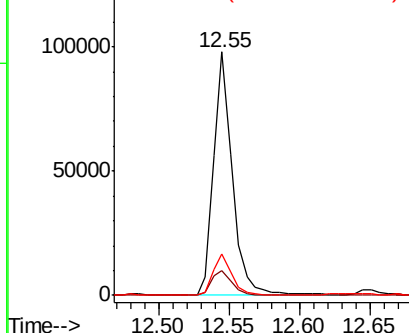
#75
Fluoranthene
Concen: 4.477 ng
RT: 12.55 min Scan# 1778
Delta R.T. -0.04 min
Lab File: BF116373.D
Acq: 18 Aug 2019 2:45

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.2
203	16.8	0.0	37.8

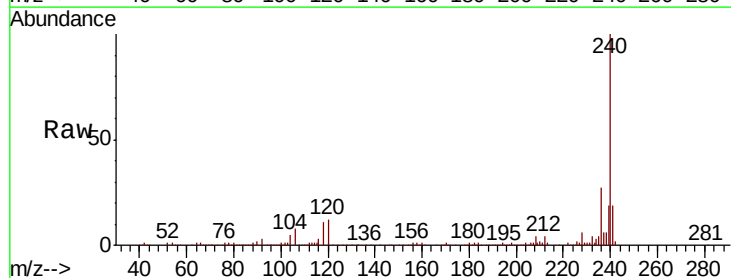


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

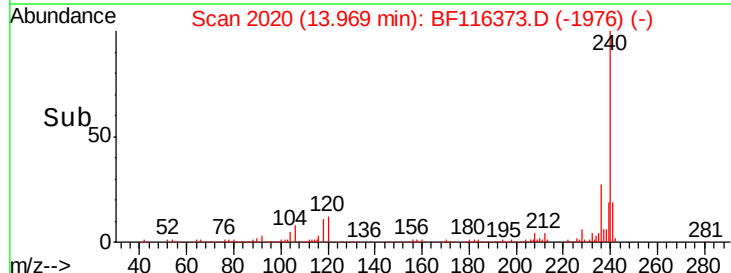
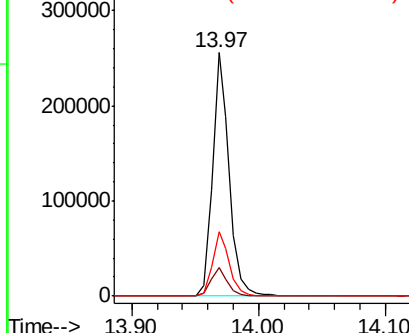


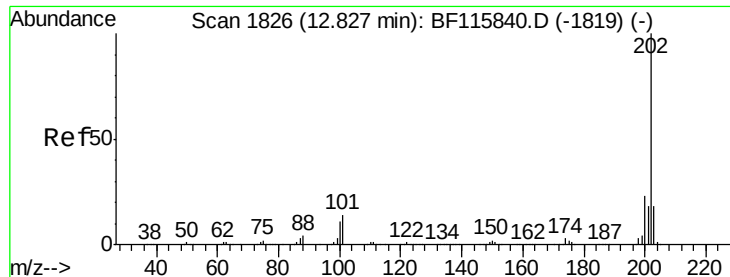
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.04 min
Lab File: BF116373.D
Acq: 18 Aug 2019 2:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.9	10.7	16.1
236	26.6	22.2	33.2



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

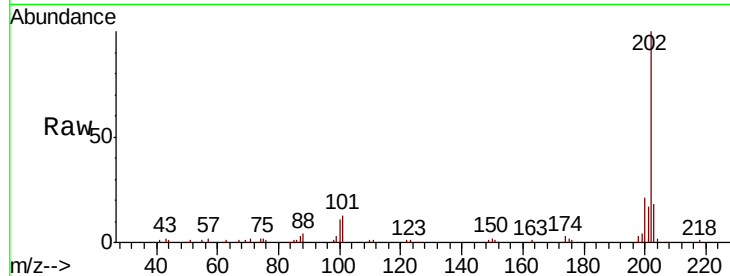




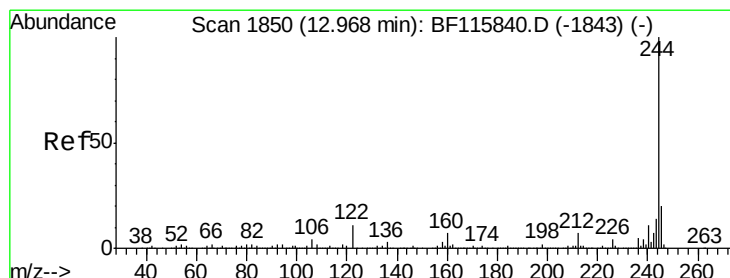
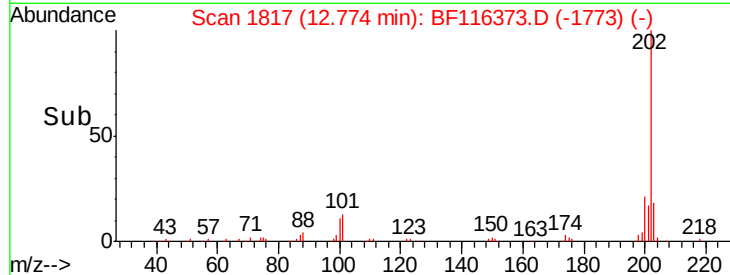
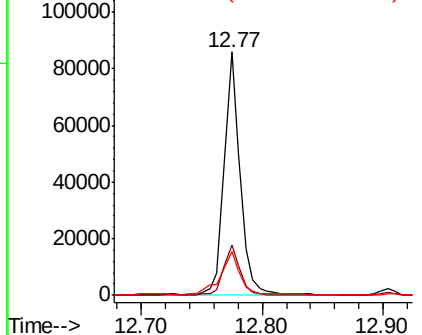
#78
 Pvrene
 Concen: 4.476 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.04 min
 Lab File: BF116373.D
 Acq: 18 Aug 2019 2:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 79624
 Ion Ratio Lower Upper
 202 100
 200 20.9 18.0 27.0
 203 17.9 14.1 21.1

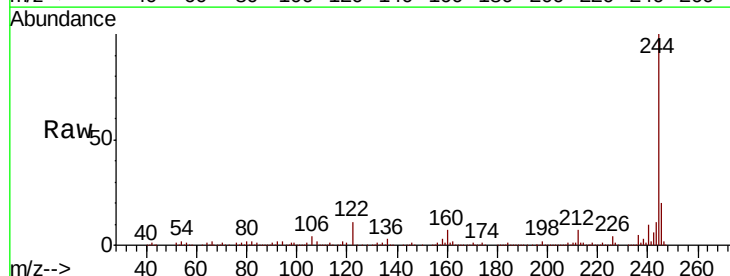


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

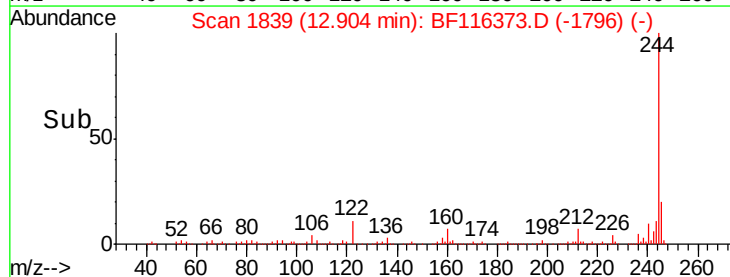
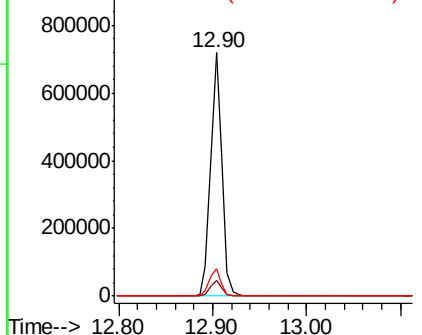


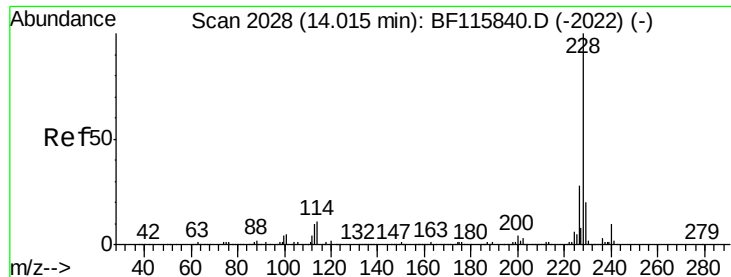
#79
 Terphenyl-d14
 Concen: 55.636 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.05 min
 Lab File: BF116373.D
 Acq: 18 Aug 2019 2:45

Tgt Ion:244 Resp: 623026
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.8
 122 11.3 9.0 13.4



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: 2.543 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.04 min

Lab File: BF116373.D

Acq: 18 Aug 2019 2:45

Instrument :

BNA_F

ClientSampleId :

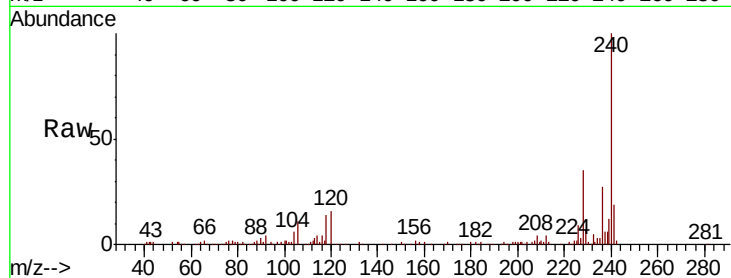
Tot Ion:228 Resp: 38349

Ion Ratio Lower Upper

228 100

226 26.4 22.7 34.1

229 21.2 16.2 24.4

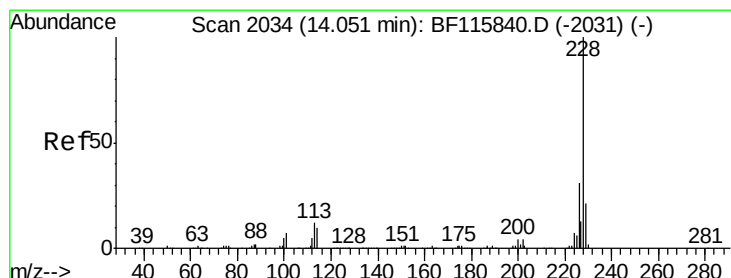
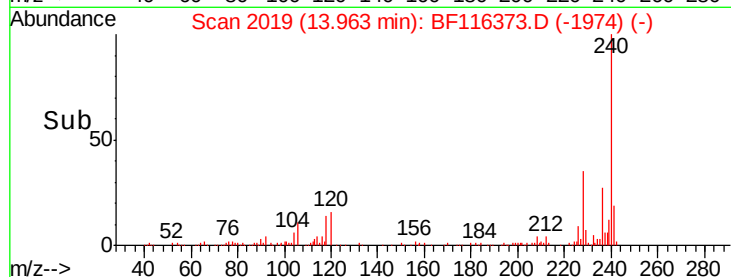
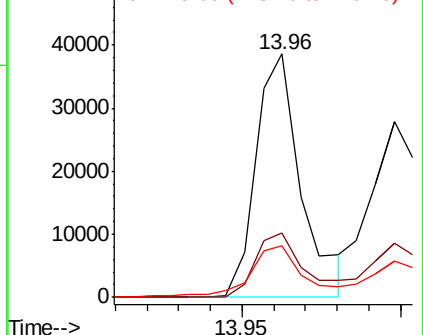


Abundance

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: 2.294 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.04 min

Lab File: BF116373.D

Acq: 18 Aug 2019 2:45

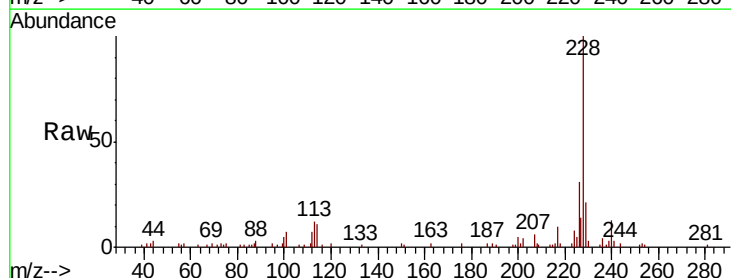
Tgt Ion:228 Resp: 33596

Ion Ratio Lower Upper

228 100

226 30.6 25.5 38.3

229 20.7 16.6 24.8

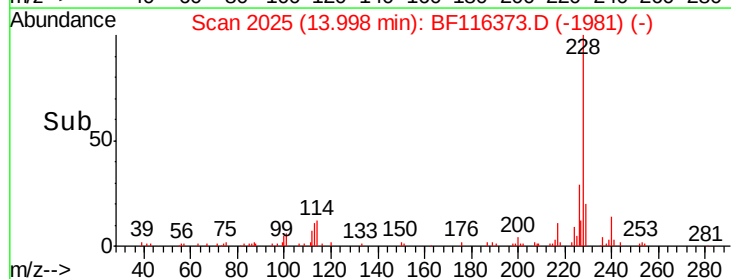
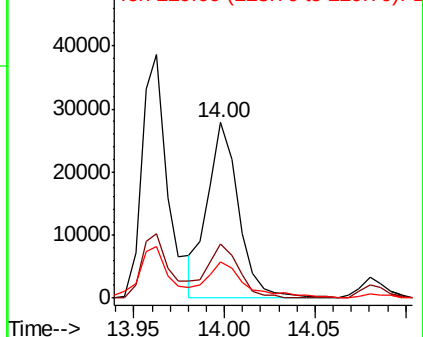


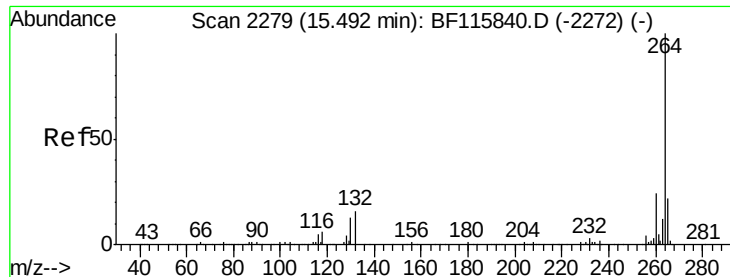
Abundance

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

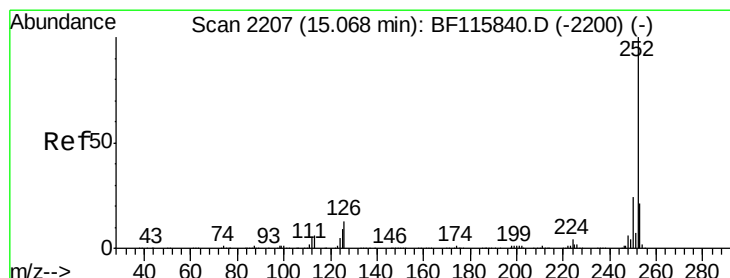
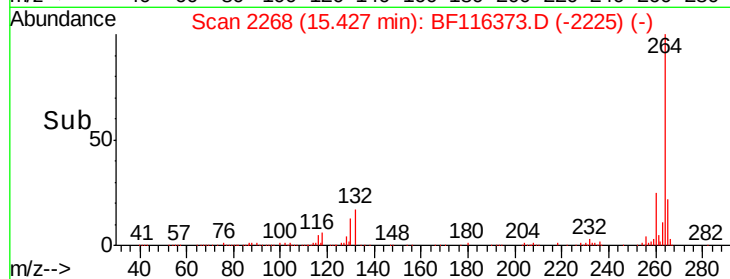
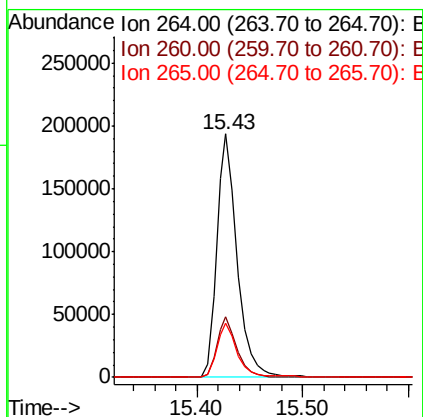
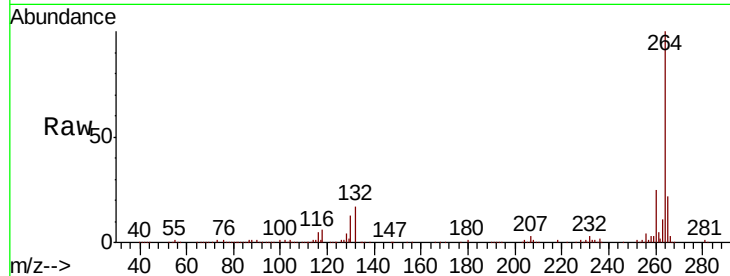




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.05 min
Lab File: BF116373.D
Acq: 18 Aug 2019 2:45

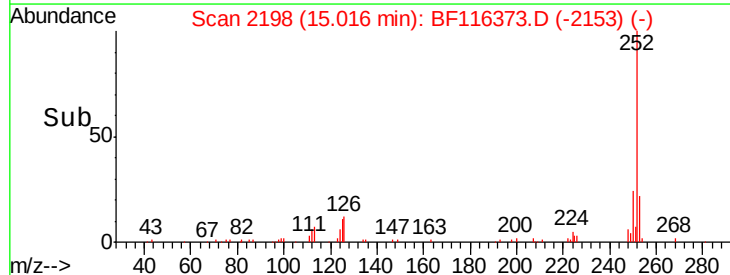
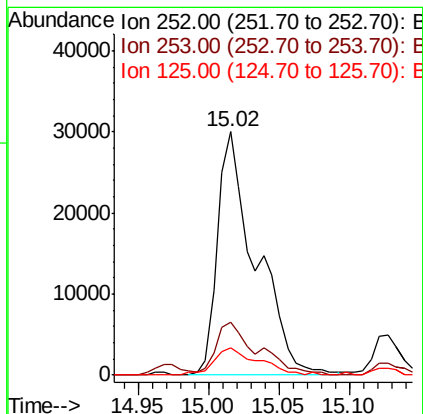
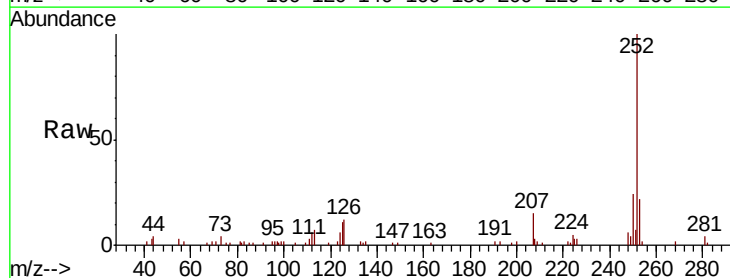
Instrument :
BNA_F
ClientSampled :

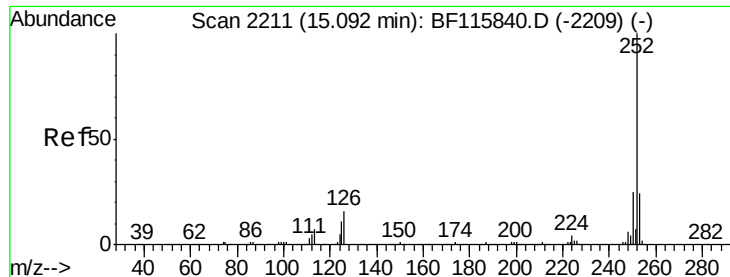
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.7	29.5
265	22.2	17.4	26.0



#88
Benzo(b)fluoranthene
Concen: 3.754 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF116373.D
Acq: 18 Aug 2019 2:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	11.0	8.4	12.6

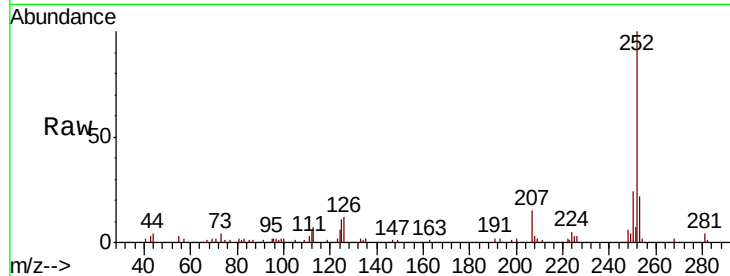




#89
Benzo(k)fluoranthene
Concen: 3.854 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.06 min
Lab File: BF116373.D
Acq: 18 Aug 2019 2:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	11.0	7.7	11.5

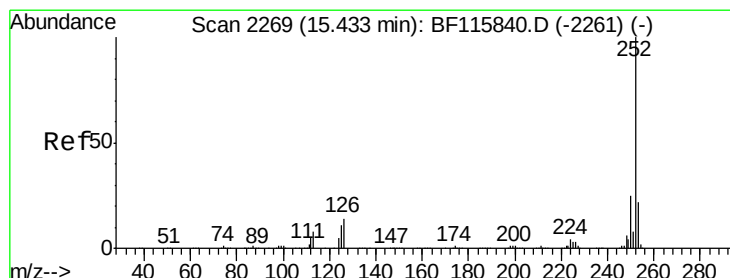
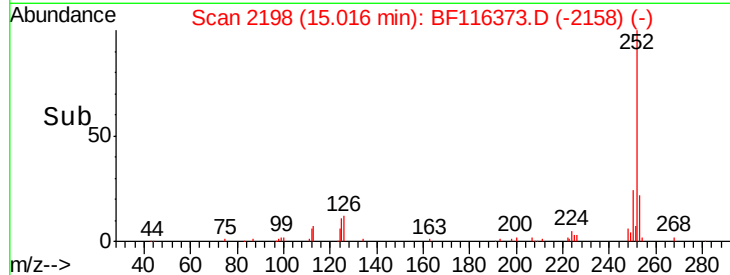
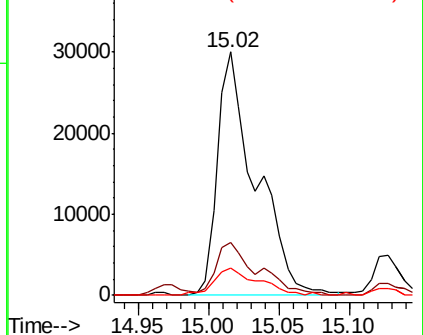


Abundance

Ion 252.00 (251.70 to 252.70): E

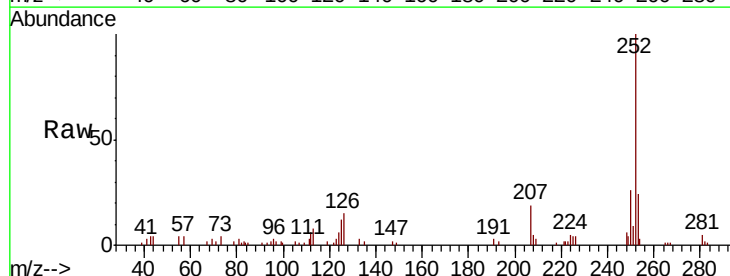
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.147 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.04 min
Lab File: BF116373.D
Acq: 18 Aug 2019 2:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	12.4	8.9	13.3



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

