

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\
 Data File : BF115773.D
 Acq On : 25 Jul 2019 22:13
 Operator : HP/JU
 Sample : K3990-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-A

Quant Time: Jul 26 06:00:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 25 13:16:07 2019
 Response via : Initial Calibration

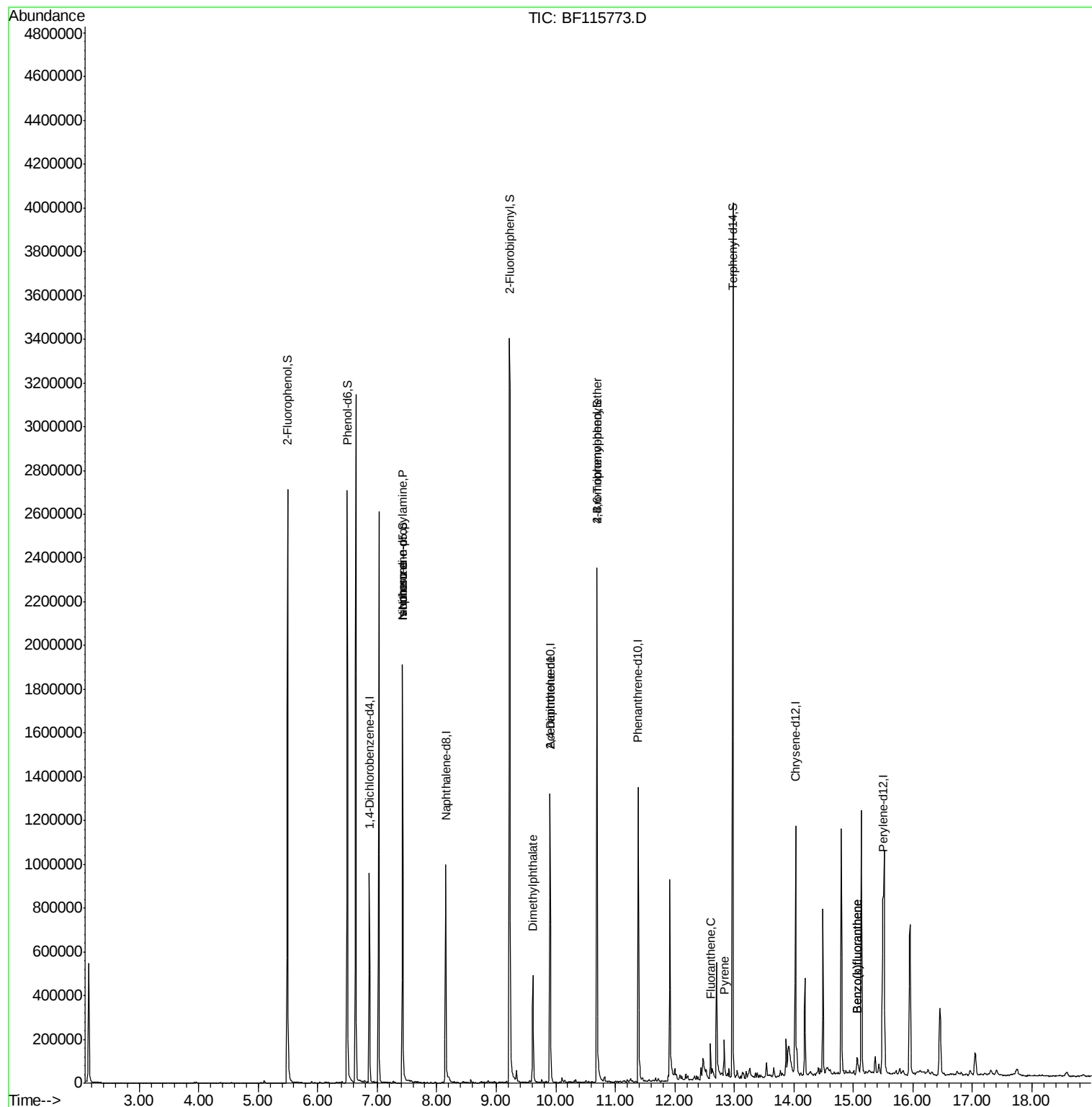
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	124430	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	493521	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	275678	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	512787	20.00	ng	0.00
76) Chrysene-d12	14.03	240	375830	20.00	ng	0.00
87) Perylene-d12	15.49	264	379037	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	775054	101.89	ng	0.00
7) Phenol-d6	6.50	99	1007759	104.40	ng	0.00
23) Nitrobenzene-d5	7.43	82	635154	74.83	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	315371	98.01	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1213721	77.06	ng	-0.01
79) Terphenyl-d14	12.97	244	1402215	68.84	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	84943	13.493	ng	# 78
25) Isophorone	7.43	82	635149	37.398	ng	# 65
50) Dimethylphthalate	9.62	163	212022	10.222	ng	99
57) 2,4-Dinitrotoluene	9.90	165	35475	5.809	ng	# 24
67) 4-Bromophenyl-phenylether	10.69	248	19071	3.254	ng	# 1
75) Fluoranthene	12.60	202	56691	2.041	ng	97
78) Pyrene	12.83	202	68121	2.139	ng	97
88) Benzo(b)fluoranthene	15.06	252	55413	2.270	ng	99
89) Benzo(k)fluoranthene	15.06	252	55413	2.547	ng	99

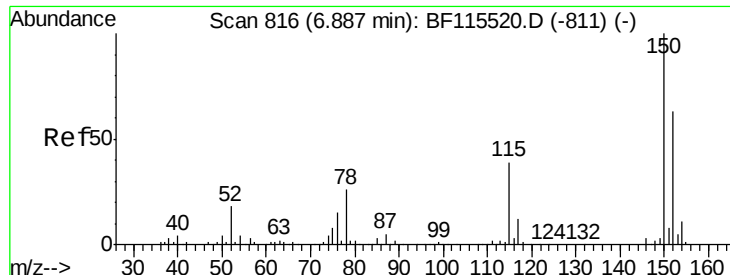
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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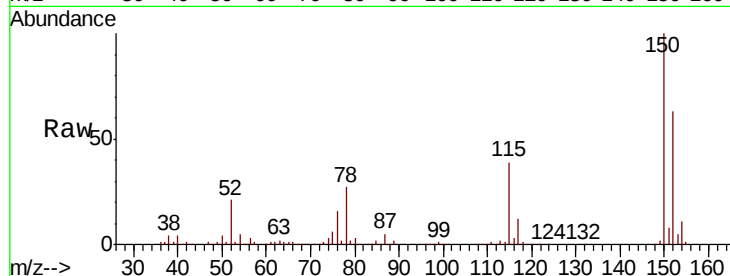


#1

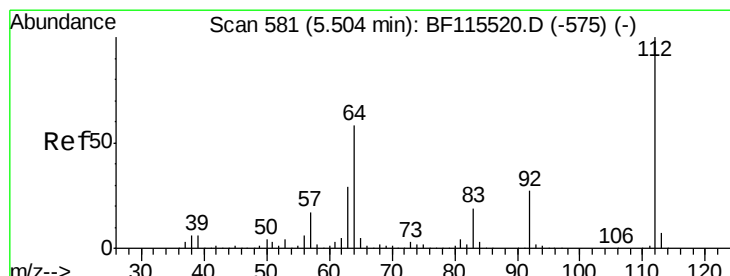
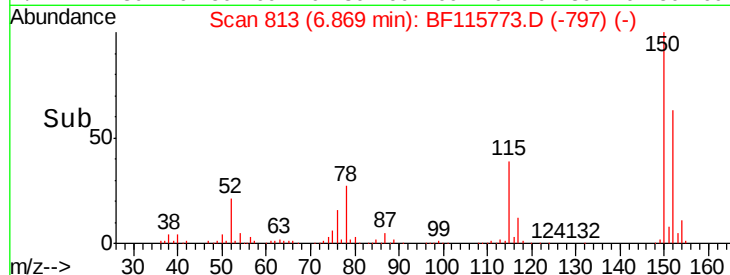
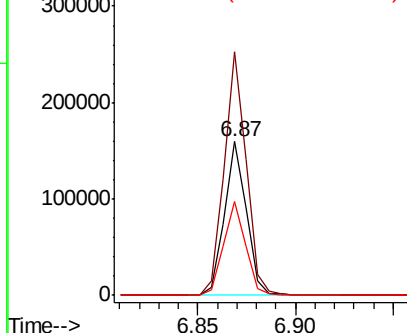
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF115773.D
Acq: 25 Jul 2019 22:13

Instrument :
BNA_F
ClientSampleId :
TP-2-A

Tot Ion:152 Resp: 124430
Ion Ratio Lower Upper
152 100
150 158.4 126.6 189.8
115 61.0 47.8 71.6



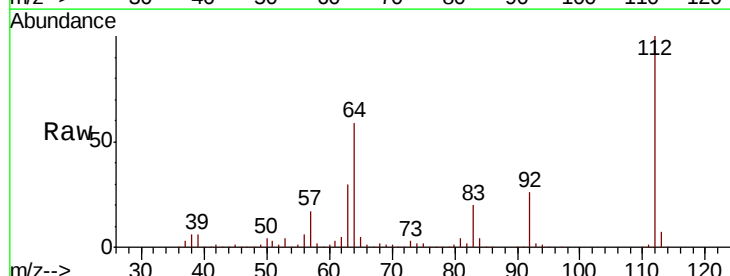
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



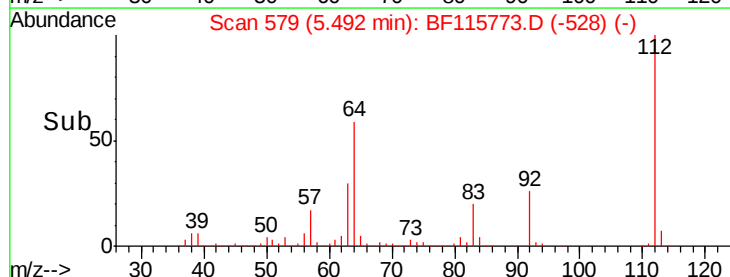
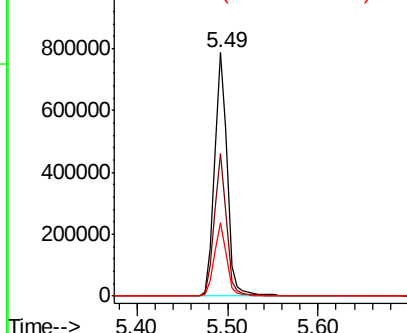
#5

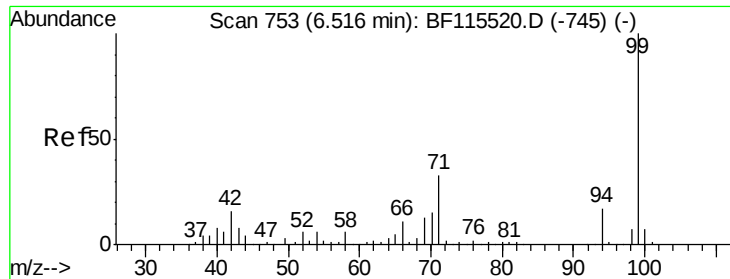
2-Fluorophenol
Concen: 101.886 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF115773.D
Acq: 25 Jul 2019 22:13

Tgt Ion:112 Resp: 775054
Ion Ratio Lower Upper
112 100
64 58.8 45.8 68.8
63 30.0 23.6 35.4



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: 104.404 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF115773.D

Acq: 25 Jul 2019 22:13

Instrument :

BNA_F

ClientSampled :

TP-2-A

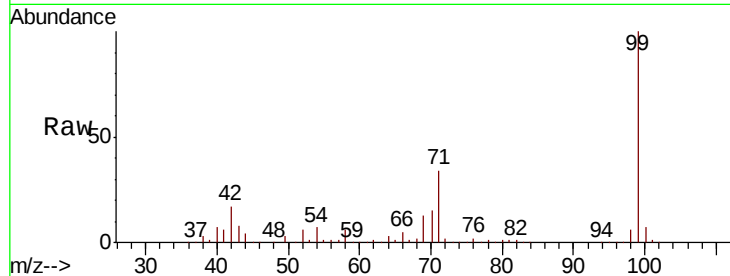
Tot Ion: 99 Resp: 1007759

Ion Ratio Lower Upper

99 100

42 16.9 13.4 20.2

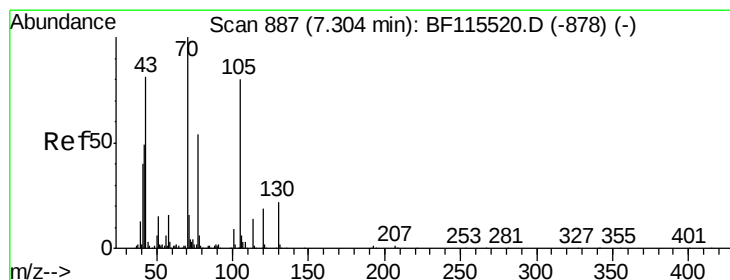
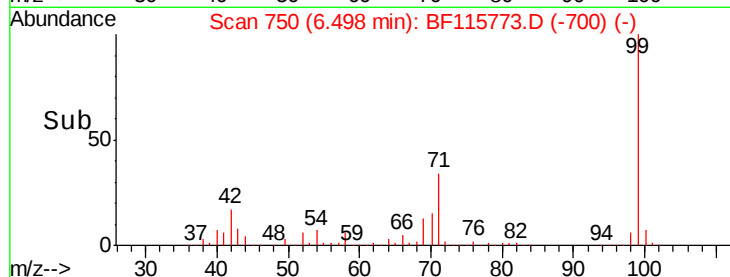
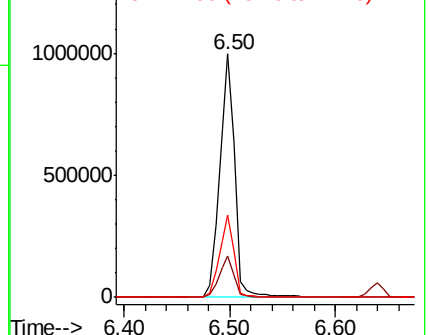
71 33.6 26.7 40.1



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: 13.493 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF115773.D

Acq: 25 Jul 2019 22:13

Tgt Ion: 70 Resp: 84943

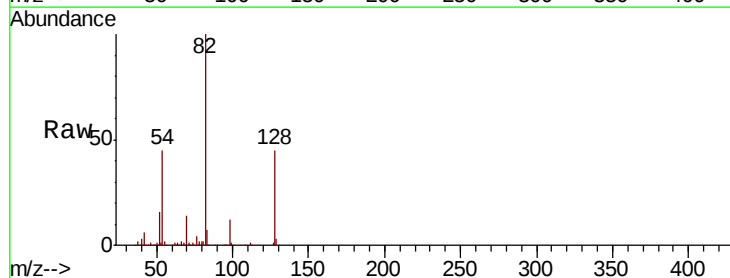
Ion Ratio Lower Upper

70 100

42 42.2 41.8 62.8

101 0.0 7.6 11.4#

130 2.2 16.9 25.3#

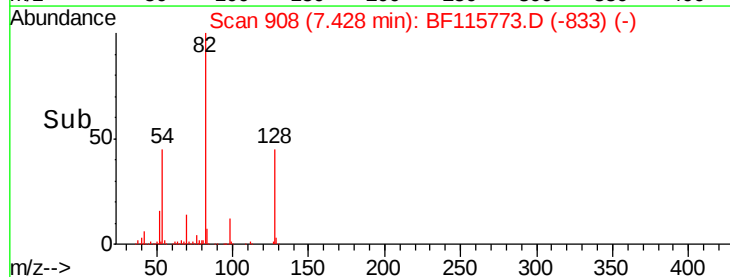
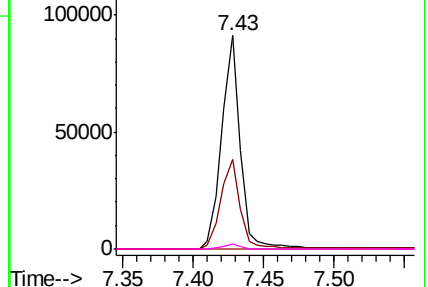


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

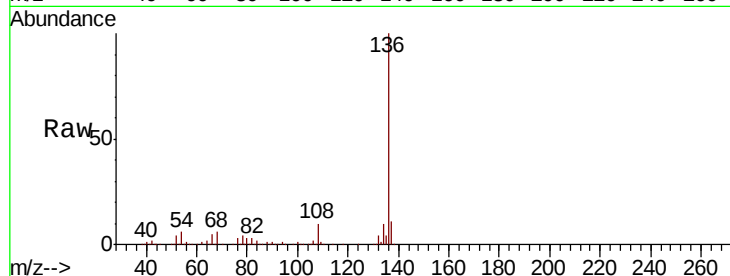




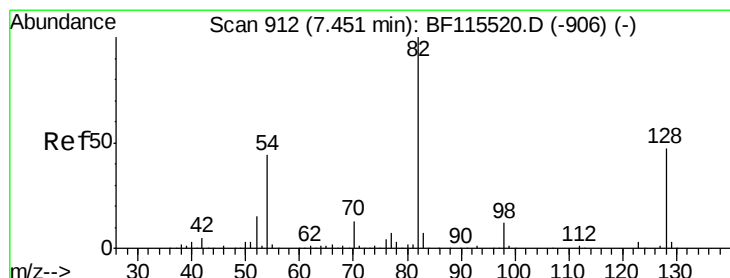
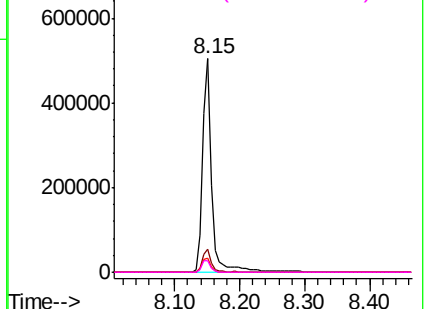
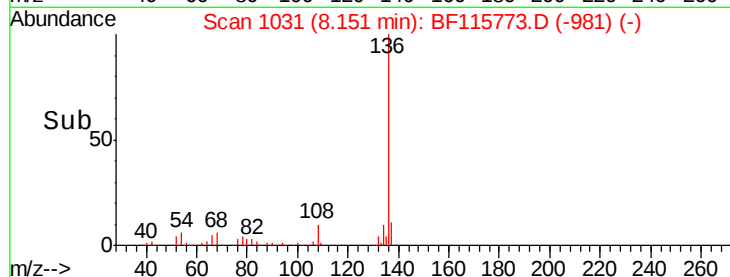
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF115773.D
Acq: 25 Jul 2019 22:13

Instrument :
BNA_F
ClientSampleId :
TP-2-A

Tot Ion:136	Resp:	493521	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	8.7	13.1	
54 6.3	5.0	7.6	
68 5.7	4.7	7.1	

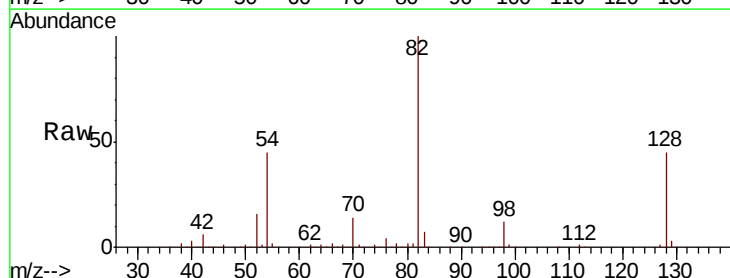


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

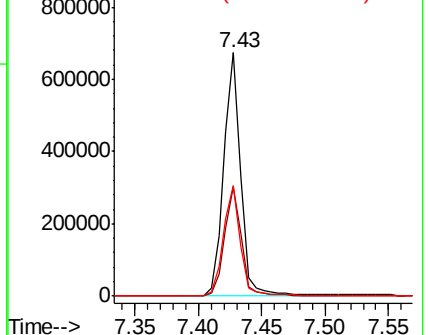
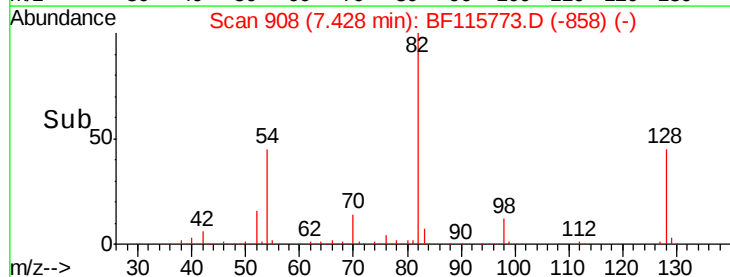


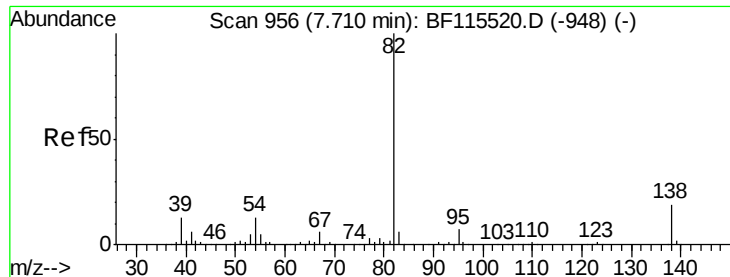
#23
Nitrobenzene-d5
Concen: 74.834 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF115773.D
Acq: 25 Jul 2019 22:13

Tgt Ion	82	Resp: Lower	635154 Upper
	Ratio 100		
128	45.1	36.6	55.0
54	45.4	36.6	54.8



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: 37.398 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF115773.D

Acq: 25 Jul 2019 22:13

Instrument :

BNA_F

ClientSampleId :

TP-2-A

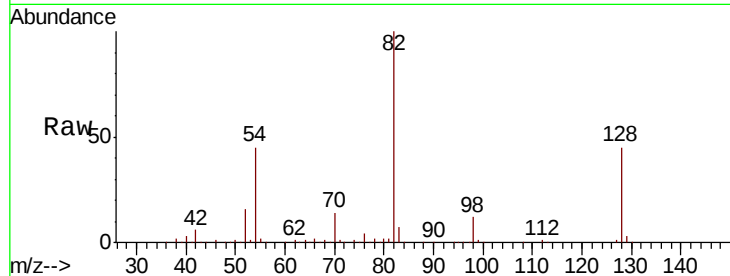
Tot Ion: 82 Resp: 635149

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 14.2 21.4#

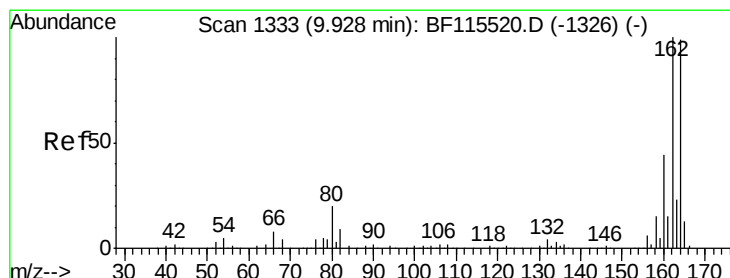
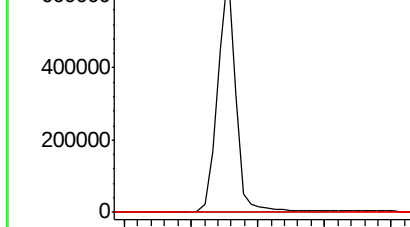
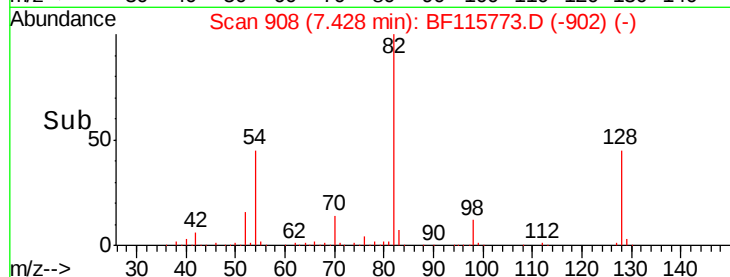


Abundance Ion 82.00 (81.70 to 82.70): BF115520.D (-948) (-)

Ion 95.00 (94.70 to 95.70): BF115520.D (-948) (-)

Ion 138.00 (137.70 to 138.70): BF115520.D (-948) (-)

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF115773.D

Acq: 25 Jul 2019 22:13

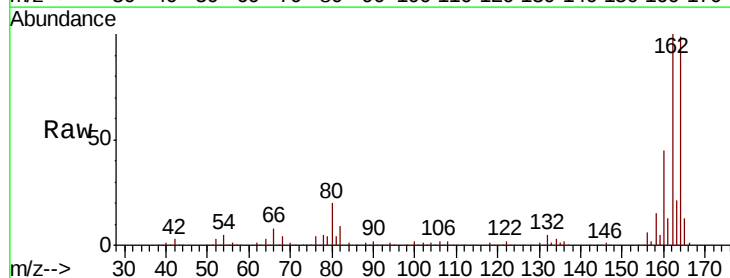
Tgt Ion: 164 Resp: 275678

Ion Ratio Lower Upper

164 100

162 100.8 81.8 122.6

160 45.6 37.5 56.3

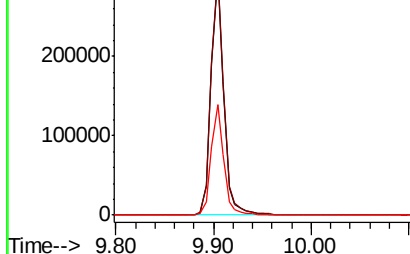
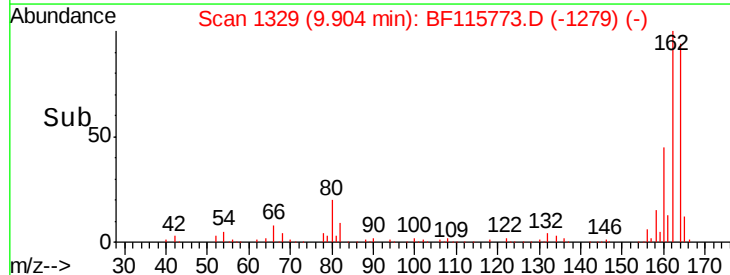


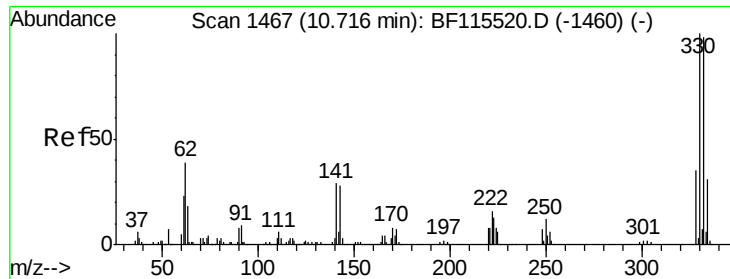
Abundance Ion 164.00 (163.70 to 164.70): BF115520.D (-1326) (-)

Ion 162.00 (161.70 to 162.70): BF115520.D (-1326) (-)

Ion 160.00 (159.70 to 160.70): BF115520.D (-1326) (-)

Time-->

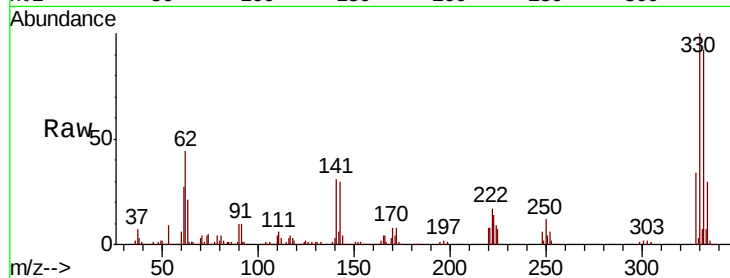




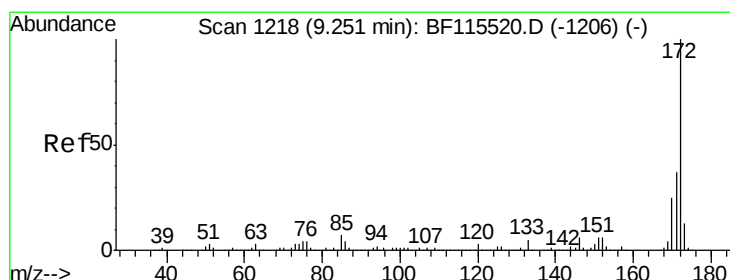
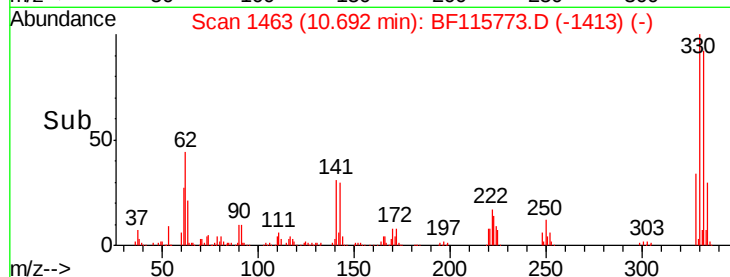
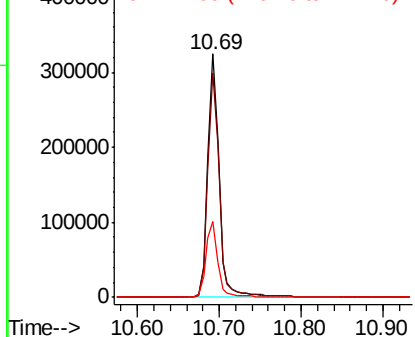
#42
 2,4,6-Tribromophenol
 Concen: 98.007 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF115773.D
 Acq: 25 Jul 2019 22:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-A

Tot Ion:330 Resp: 315371
 Ion Ratio Lower Upper
 330 100
 332 94.2 76.1 114.1
 141 33.2 25.9 38.9

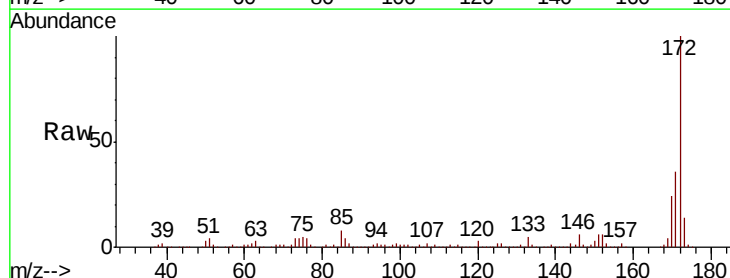


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

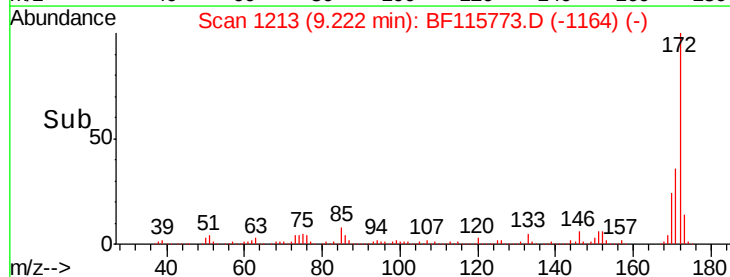
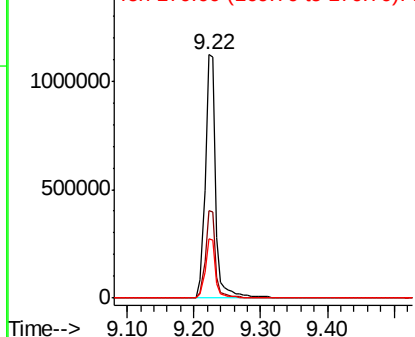


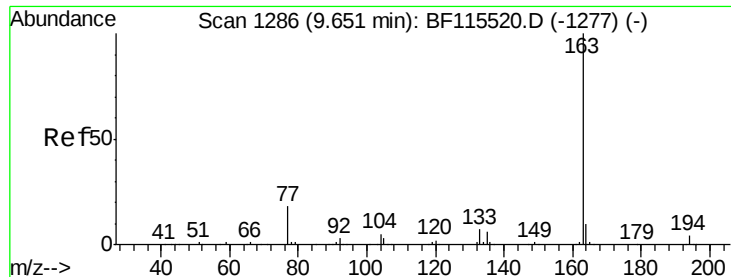
#45
 2-Fluorobiphenyl
 Concen: 77.059 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF115773.D
 Acq: 25 Jul 2019 22:13

Tgt Ion:172 Resp: 1213721
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.4
 170 24.4 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: 10.222 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BF115773.D

Acq: 25 Jul 2019 22:13

Instrument :

BNA_F

ClientSampleId :

TP-2-A

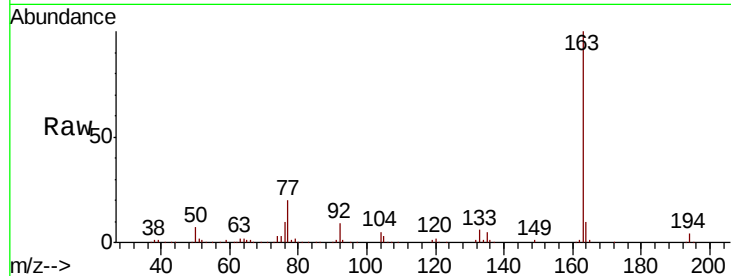
Tot Ion:163 Resp: 212022

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

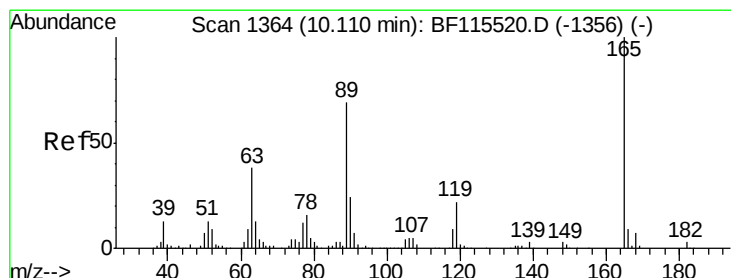
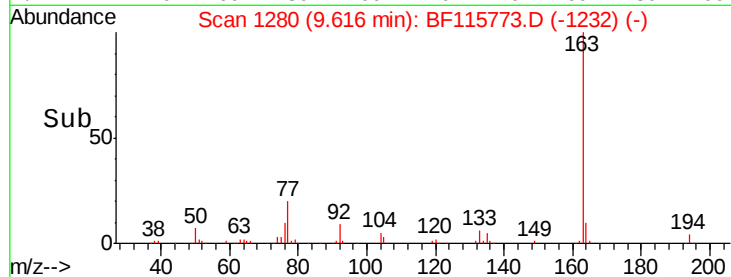
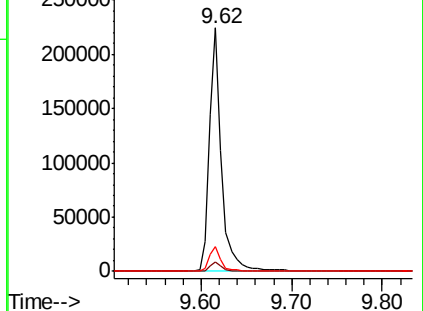
164 10.1 8.3 12.5



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: 5.809 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.19 min

Lab File: BF115773.D

Acq: 25 Jul 2019 22:13

Tgt Ion:165 Resp: 35475

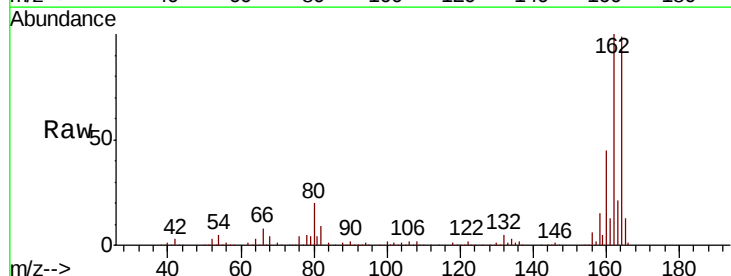
Ion Ratio Lower Upper

165 100

63 1.0 33.4 50.2#

89 1.4 57.3 85.9#

182 0.0 2.1 3.1#

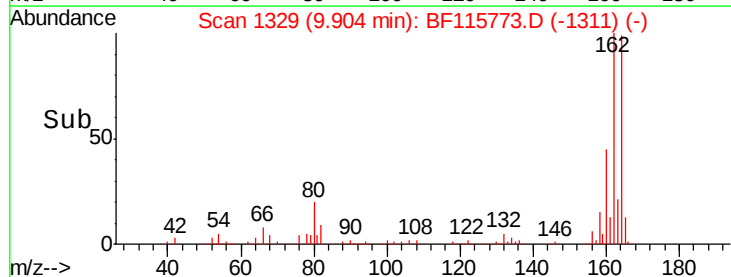
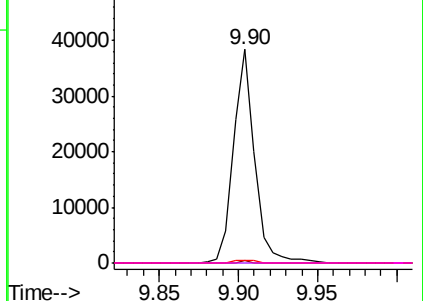


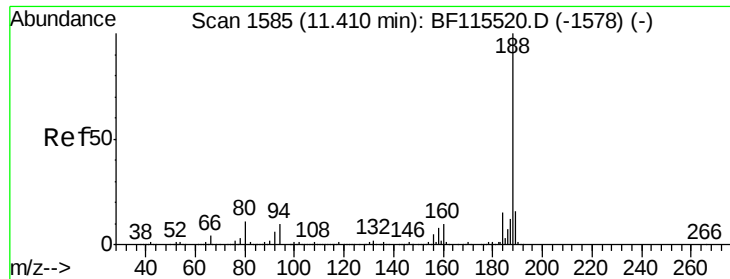
Abundance Ion 165.00 (164.70 to 165.70): E

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

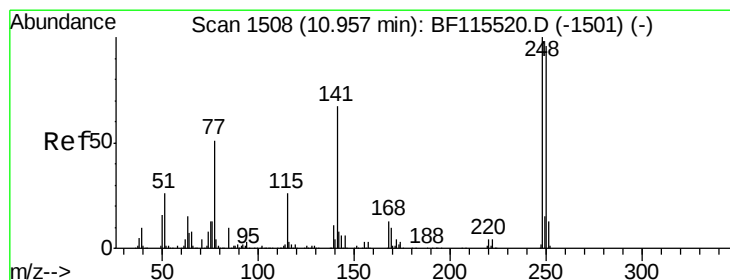
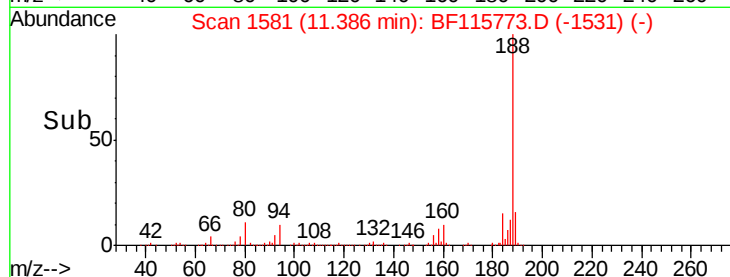
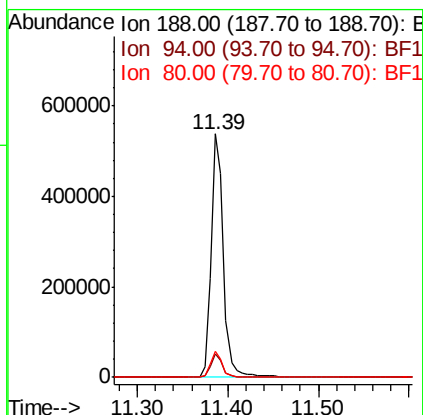
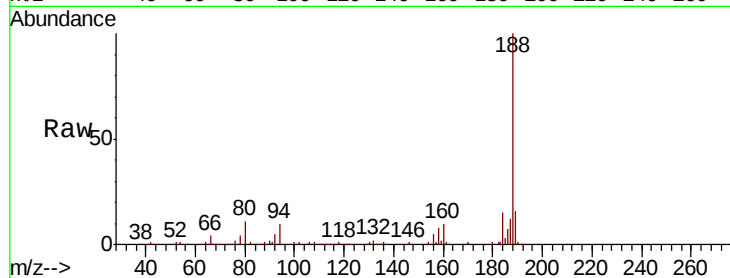




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF115773.D
Acq: 25 Jul 2019 22:13

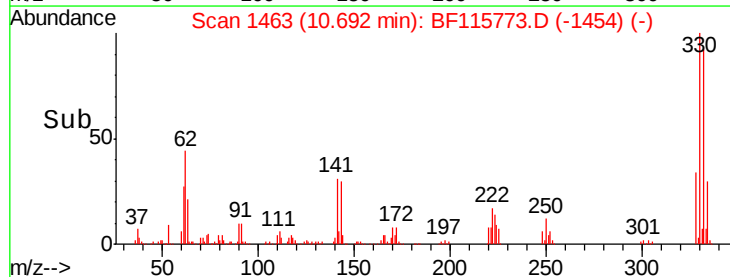
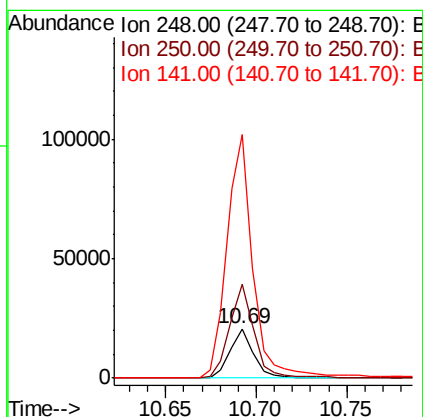
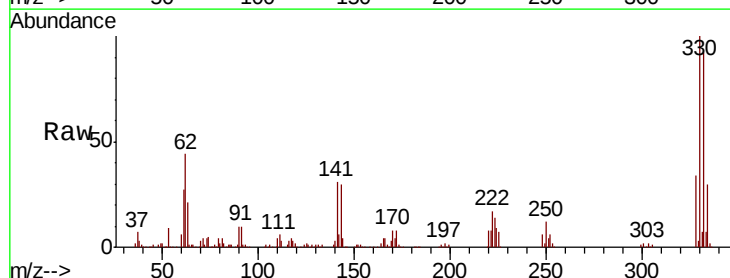
Instrument :
BNA_F
ClientSampleId :
TP-2-A

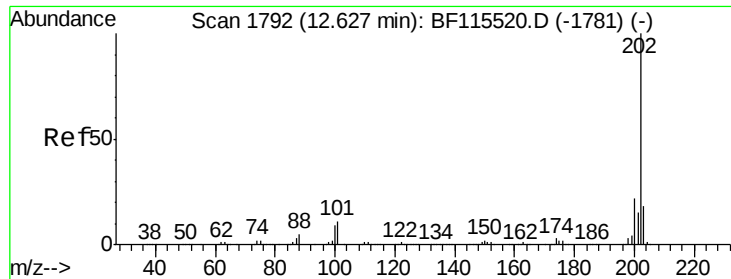
Tot Ion:188 Resp: 512787
Ion Ratio Lower Upper
188 100
94 9.6 8.2 12.2
80 10.8 9.0 13.6



#67
4-Bromophenyl-phenylether
Concen: 3.254 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.25 min
Lab File: BF115773.D
Acq: 25 Jul 2019 22:13

Tgt Ion:248 Resp: 19071
Ion Ratio Lower Upper
248 100
250 190.3 77.0 115.4#
141 492.0 52.1 78.1#





#75

Fluoranthene

Concen: 2.041 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF115773.D

Acq: 25 Jul 2019 22:13

Instrument :

BNA_F

ClientSampleId :

TP-2-A

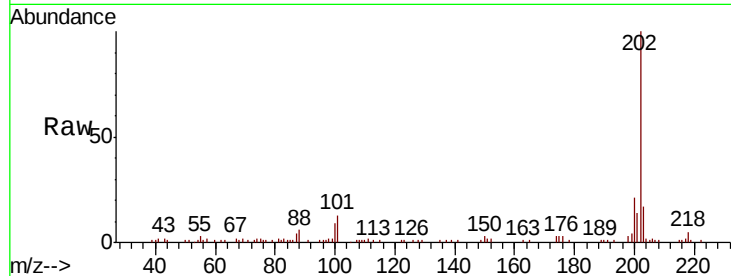
Tot Ion:202 Resp: 56691

Ion Ratio Lower Upper

202 100

101 12.9 0.0 31.6

203 16.7 0.0 38.0

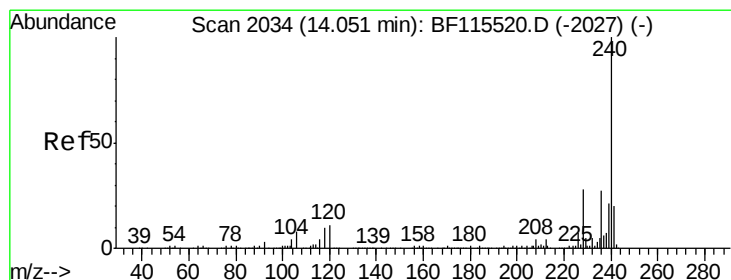
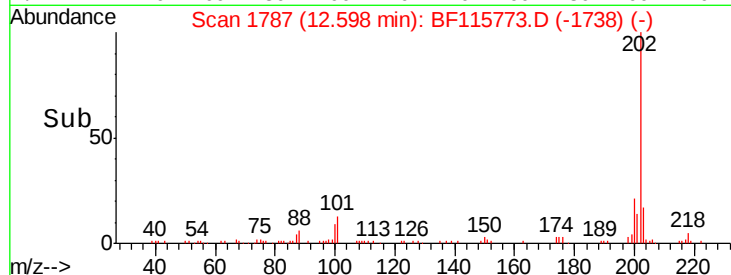
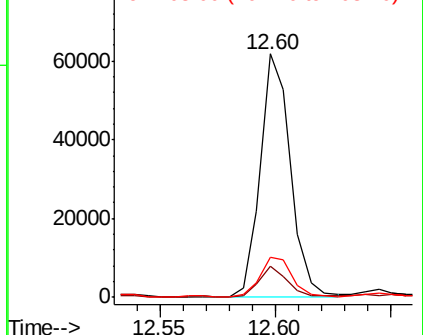


Abundance

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# 2030

Delta R.T. -0.01 min

Lab File: BF115773.D

Acq: 25 Jul 2019 22:13

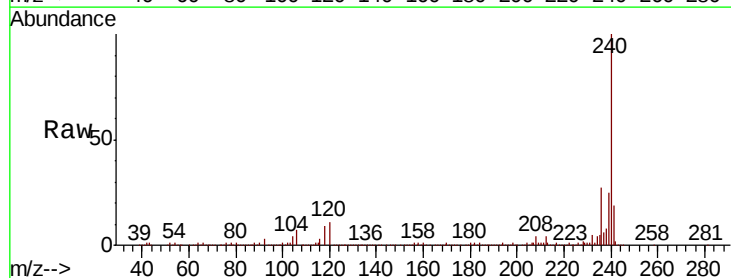
Tgt Ion:240 Resp: 375830

Ion Ratio Lower Upper

240 100

120 10.7 10.0 15.0

236 27.2 21.8 32.6

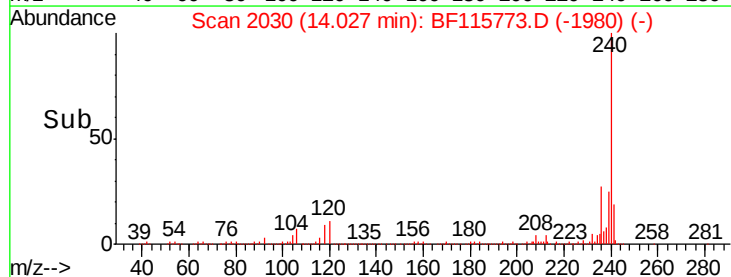
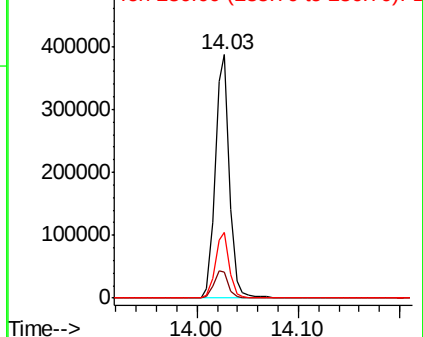


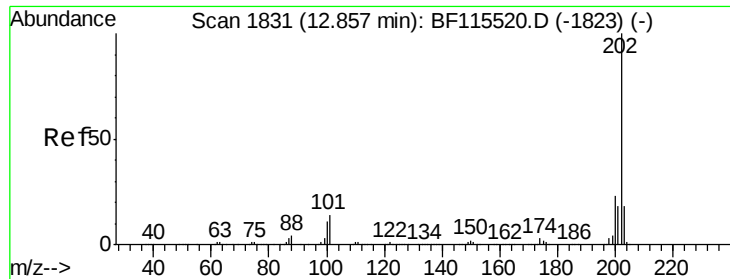
Abundance

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

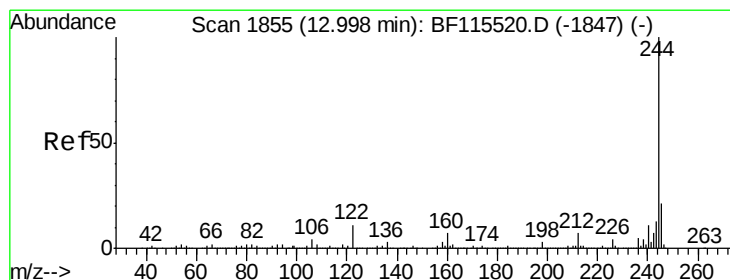
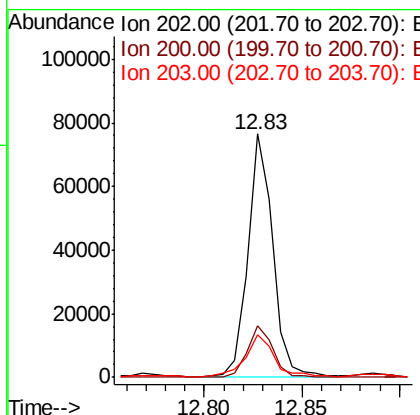
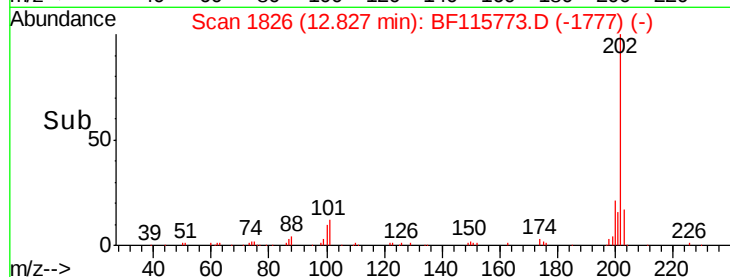
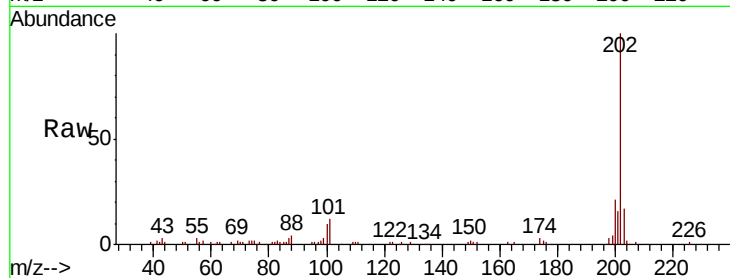




#78
Pvrene
Concen: 2.139 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF115773.D
Acq: 25 Jul 2019 22:13

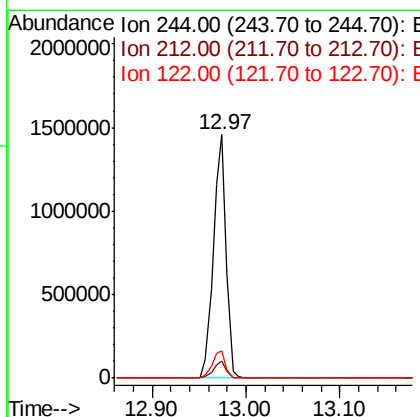
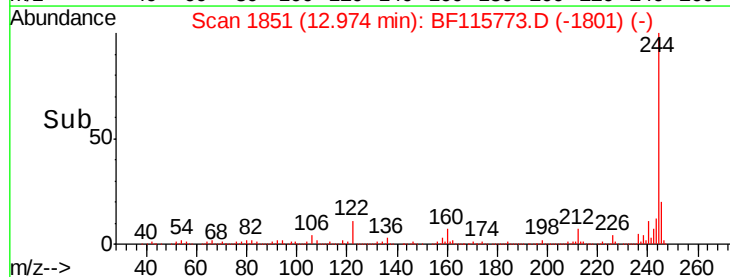
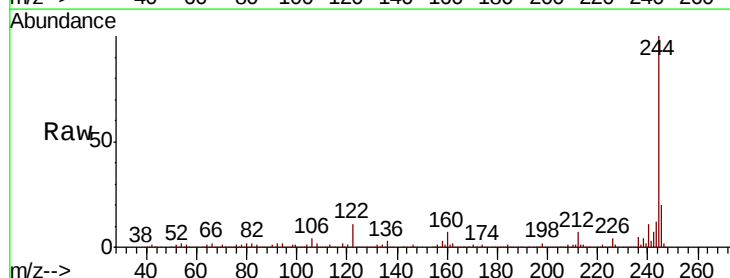
Instrument :
BNA_F
ClientSampleId :
TP-2-A

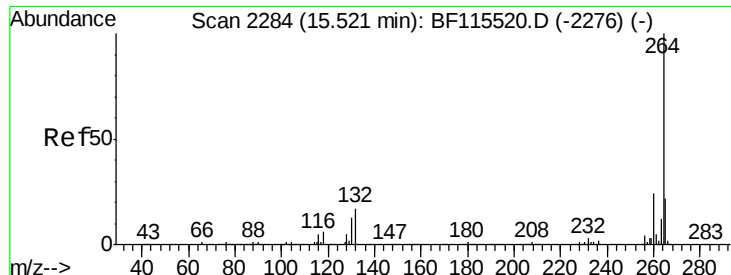
Tot Ion:202 Resp: 68121
Ion Ratio Lower Upper
202 100
200 21.2 18.2 27.4
203 17.3 14.6 21.8



#79
Terphenyl-d14
Concen: 68.843 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BF115773.D
Acq: 25 Jul 2019 22:13

Tgt Ion:244 Resp: 1402215
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 11.3 8.2 12.4

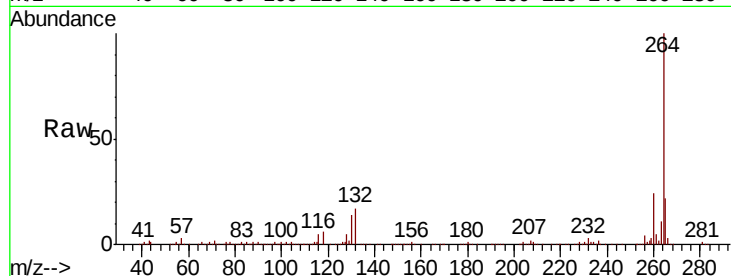




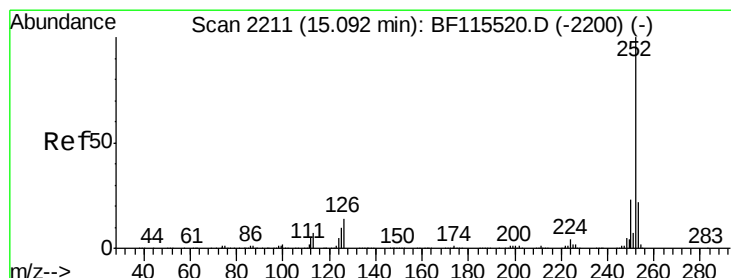
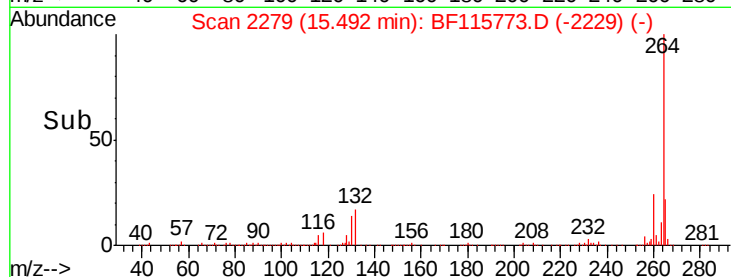
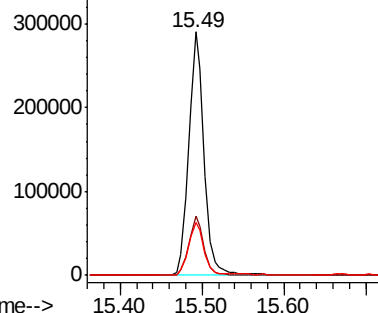
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF115773.D
Acq: 25 Jul 2019 22:13

Instrument :
BNA_F
ClientSampleId :
TP-2-A

Tot Ion:264 Resp: 379037
Ion Ratio Lower Upper
264 100
260 24.2 19.8 29.6
265 21.8 17.5 26.3

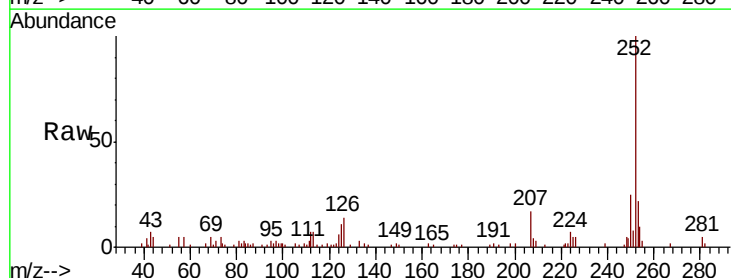


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

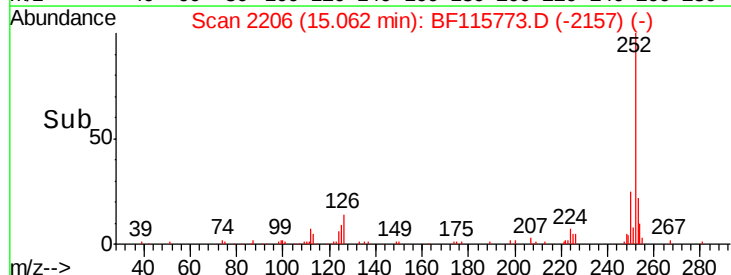
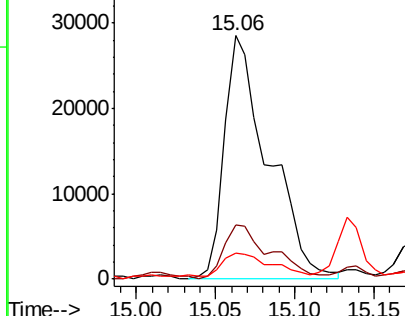


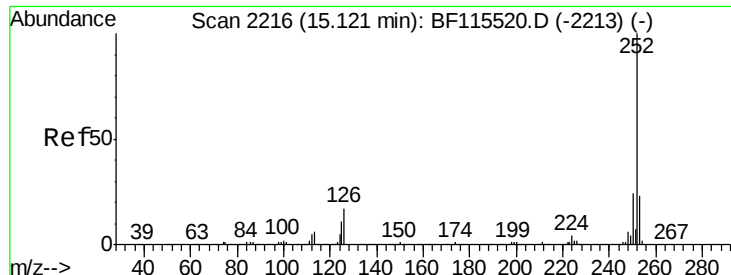
#88
Benzo(b)fluoranthene
Concen: 2.270 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF115773.D
Acq: 25 Jul 2019 22:13

Tgt Ion:252 Resp: 55413
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 10.9 8.4 12.6



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: 2.547 ng
 RT: 15.06 min Scan# 2206
 Delta R.T. -0.04 min
 Lab File: BF115773.D
 Acq: 25 Jul 2019 22:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	10.9	8.6	13.0

