

Data File : BF116058.D
Acq On : 7 Aug 2019 20:14
Operator : HP/JU
Sample : K4154-04 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
370-371

Quant Time: Aug 08 07:45:13 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

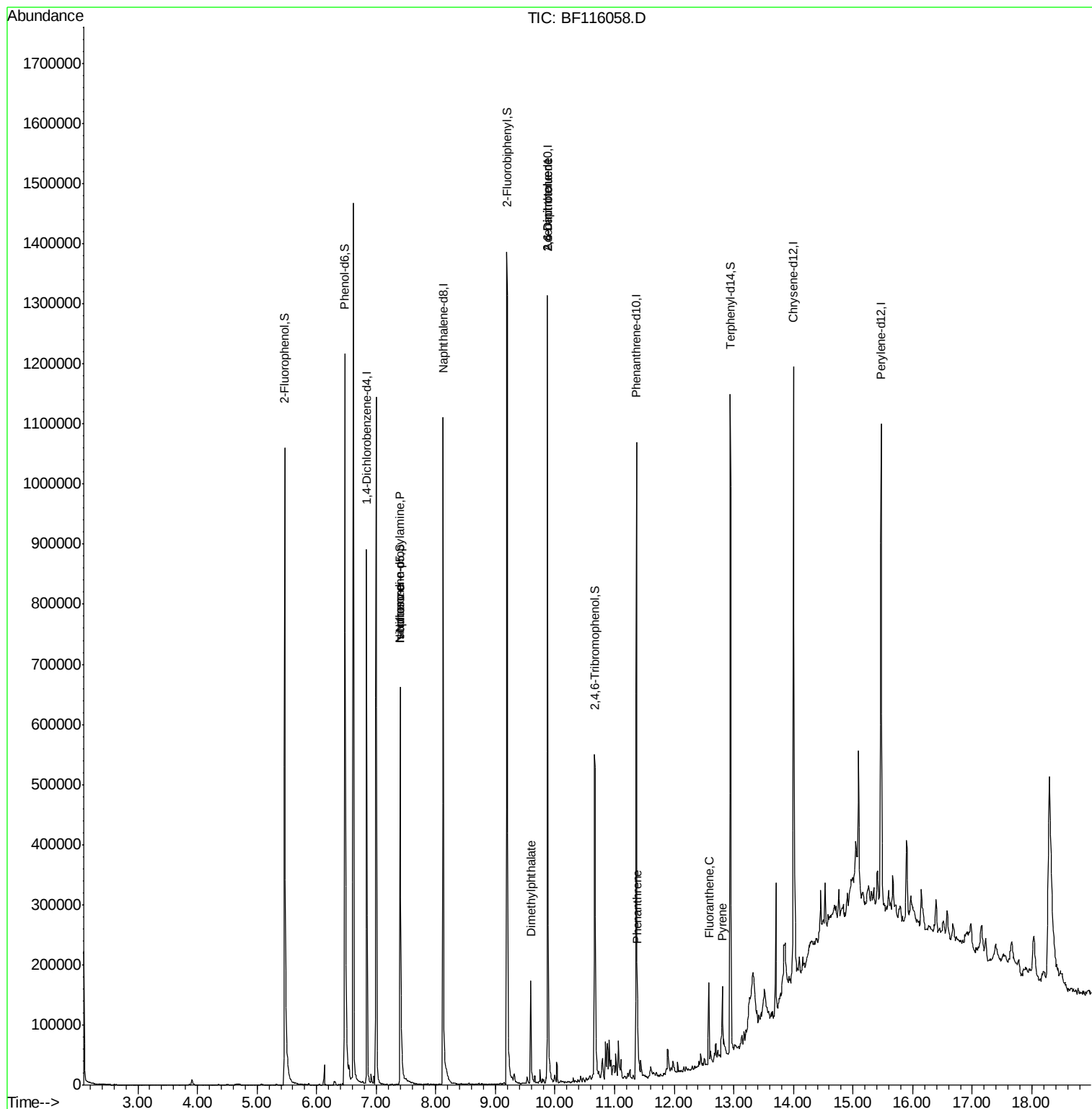
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	142216	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	550339	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	266308	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	398901	20.00	ng	0.00
76) Chrysene-d12	14.00	240	322965	20.00	ng	0.00
87) Perylene-d12	15.47	264	366708	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	368823	43.42	ng	0.00
7) Phenol-d6	6.47	99	494667	46.15	ng	-0.01
23) Nitrobenzene-d5	7.40	82	282256	29.60	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	84167	32.60	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	507784	35.71	ng	0.00
79) Terphenyl-d14	12.94	244	367295	23.96	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	38433	5.786	ng	# 80
25) Isophorone	7.40	82	282253	15.482	ng	# 65
50) Dimethylphthalate	9.59	163	86521	4.772	ng	98
51) 2,6-Dinitrotoluene	9.87	165	34552	8.768	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	34553	6.586	ng	# 21
71) Phenanthrene	11.39	178	43514	2.134	ng	98
75) Fluoranthene	12.58	202	62479	2.927	ng	98
78) Pyrene	12.80	202	51876	2.131	ng	99

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

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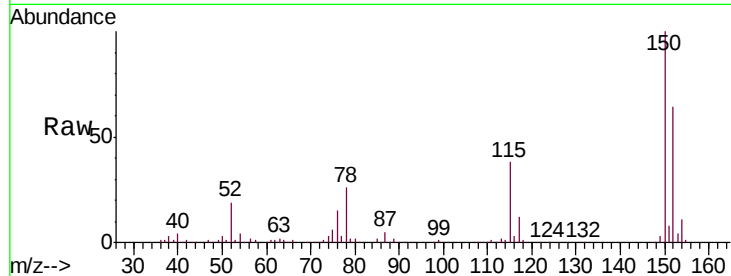




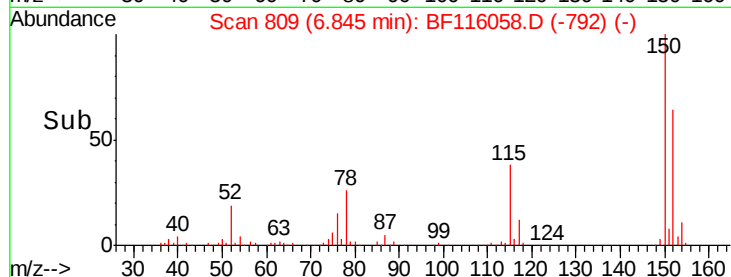
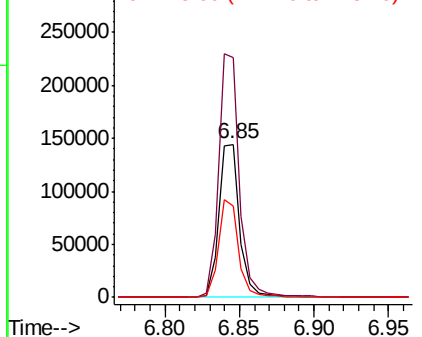
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: BF116058.D
 Acq: 7 Aug 2019 20:14

Instrument :
 BNA_F
 ClientSampleId :
 370-371

Tgt Ion:152 Resp: 142216
 Ion Ratio Lower Upper
 152 100
 150 157.1 126.2 189.2
 115 59.8 49.9 74.9

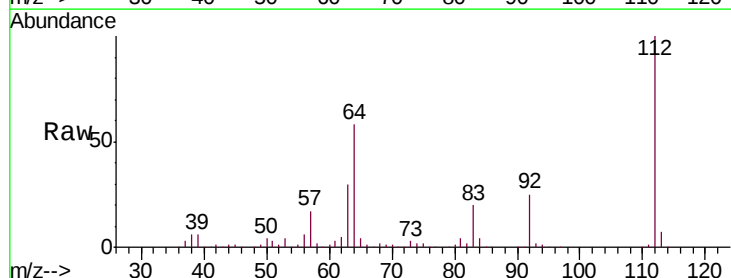


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

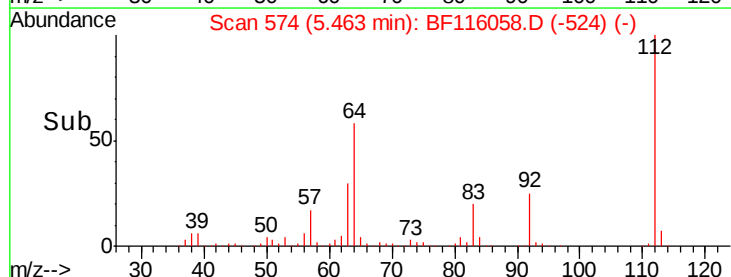
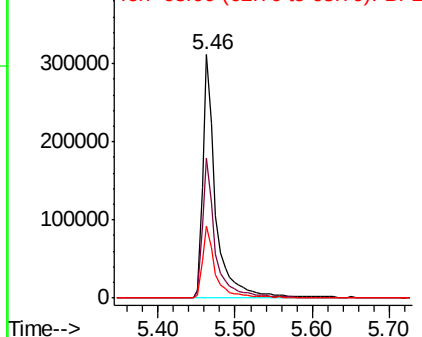


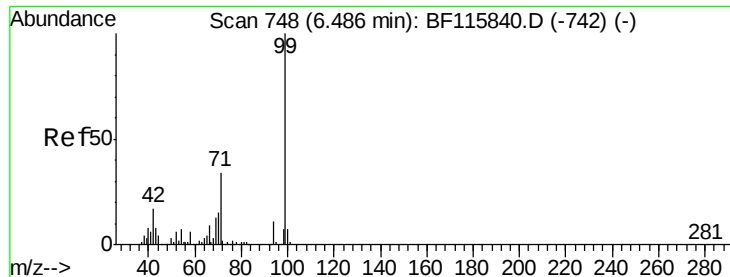
#5
 2-Fluorophenol
 Concen: 43.415 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF116058.D
 Acq: 7 Aug 2019 20:14

Tgt Ion:112 Resp: 368823
 Ion Ratio Lower Upper
 112 100
 64 57.6 45.4 68.2
 63 29.6 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: 46.152 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:14

Instrument :

BNA_F

ClientSampleId :

370-371

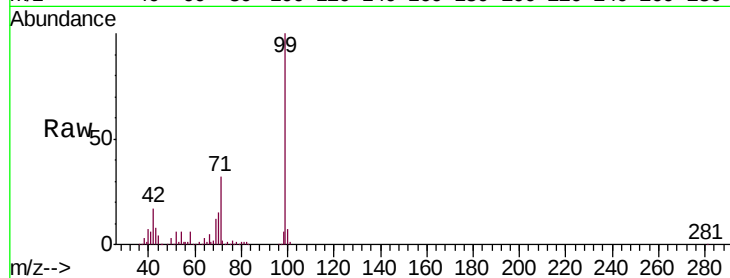
Tgt Ion: 99 Resp: 494667

Ion Ratio Lower Upper

99 100

42 17.1 13.8 20.8

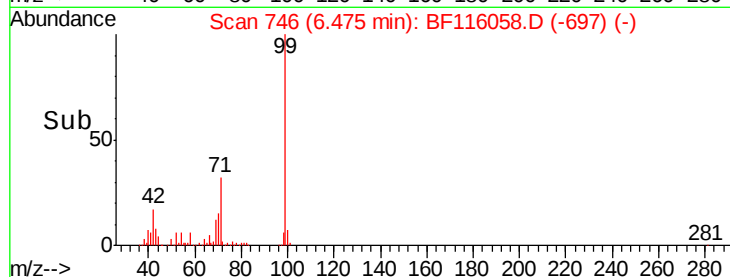
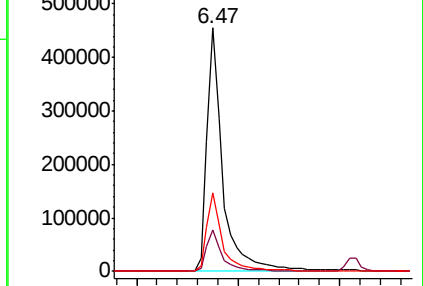
71 32.4 27.3 40.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.786 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:14

Tgt Ion: 70 Resp: 38433

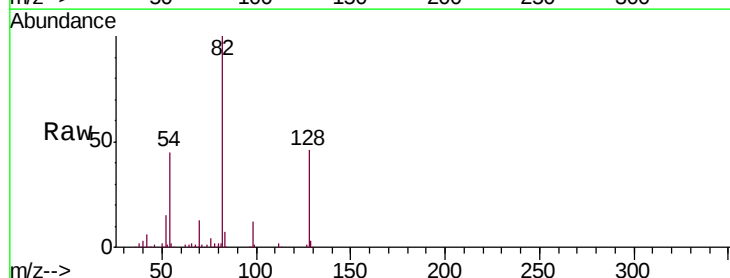
Ion Ratio Lower Upper

70 100

42 44.5 40.9 61.3

101 0.0 7.9 11.9#

130 1.8 16.9 25.3#

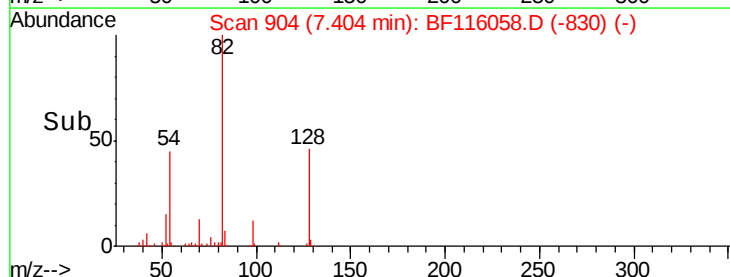
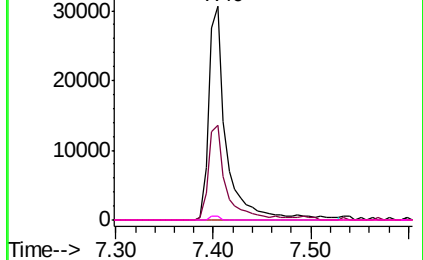


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

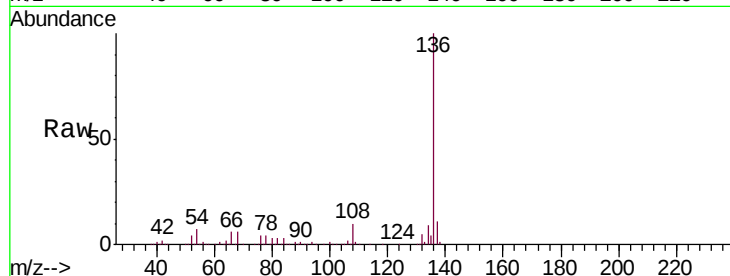




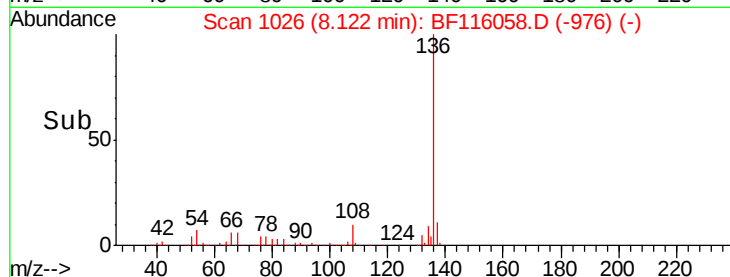
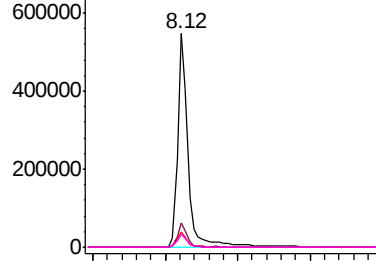
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116058.D
Acq: 7 Aug 2019 20:14

Instrument :
BNA_F
ClientSampleId :
370-371

Tgt Ion:	136	Resp:	550339
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	7.4	5.8	8.6
68	6.3	5.2	7.8

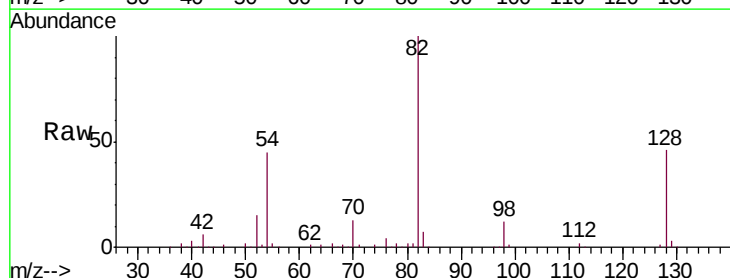


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

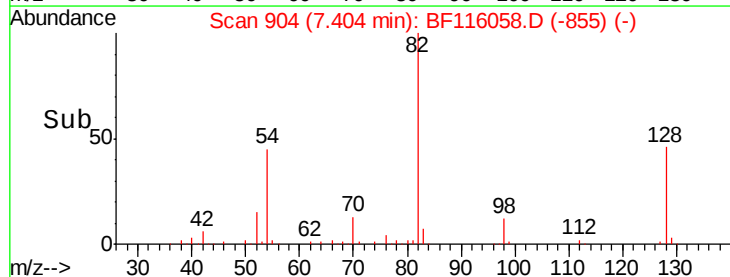
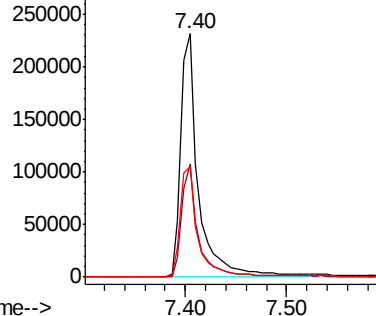


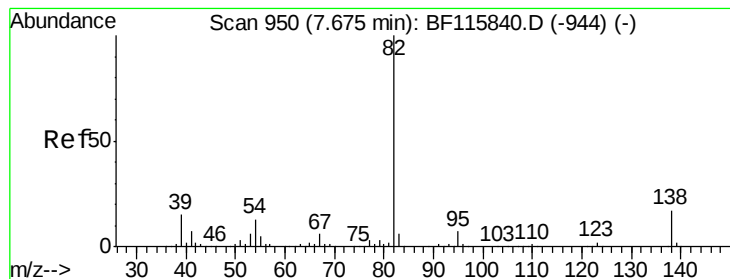
#23
Nitrobenzene-d5
Concen: 29.605 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116058.D
Acq: 7 Aug 2019 20:14

Tgt Ion:	82	Resp:	282256
Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.5	54.7
54	45.3	36.0	54.0



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: 15.482 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:14

Instrument :

BNA_F

ClientSampleId :

370-371

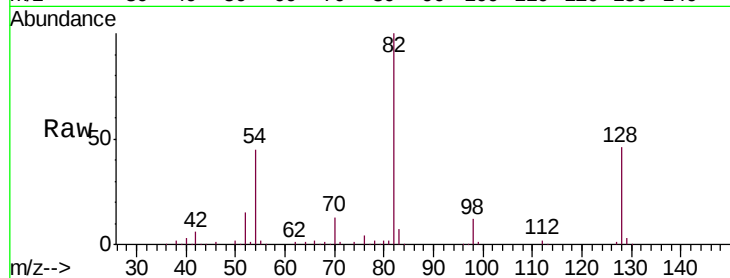
Tgt Ion: 82 Resp: 282253

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

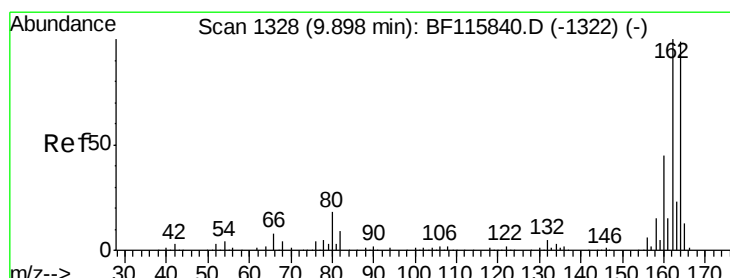
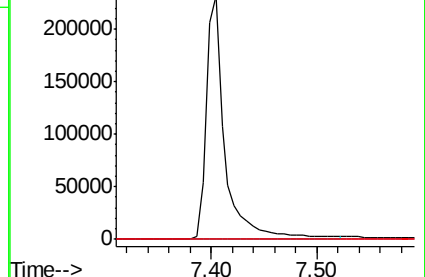
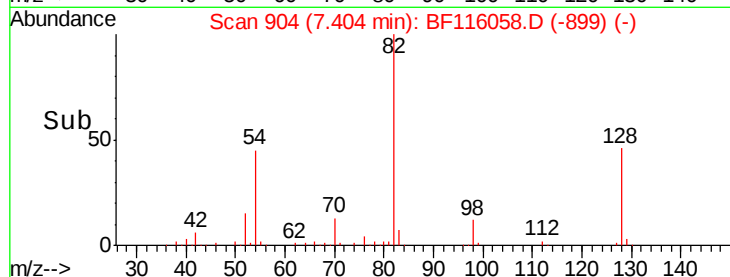
138 0.0 14.5 21.7#



Abundance Ion 82.00 (81.70 to 82.70): BF116058.D (-899) (-)

Ion 95.00 (94.70 to 95.70): BF116058.D (-899) (-)

Ion 138.00 (137.70 to 138.70): BF116058.D (-899) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:14

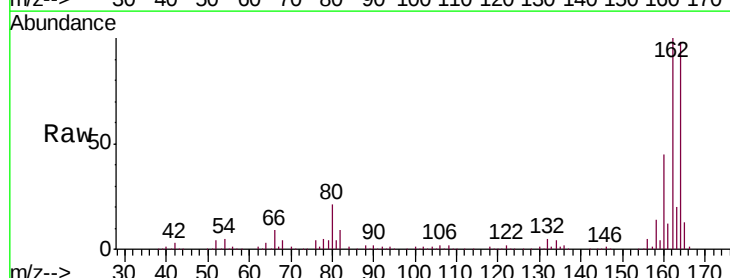
Tgt Ion: 164 Resp: 266308

Ion Ratio Lower Upper

164 100

162 102.4 82.6 124.0

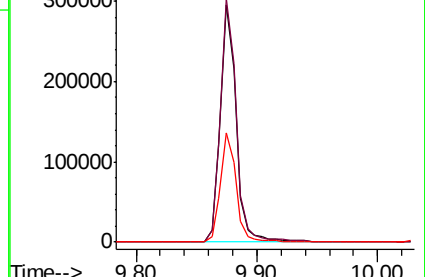
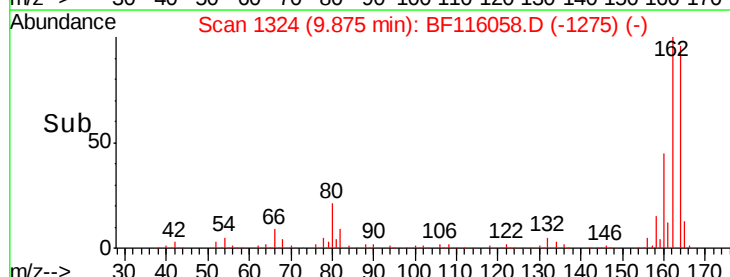
160 46.1 37.6 56.4



Abundance Ion 164.00 (163.70 to 164.70): BF116058.D (-1275) (-)

Ion 162.00 (161.70 to 162.70): BF116058.D (-1275) (-)

Ion 160.00 (159.70 to 160.70): BF116058.D (-1275) (-)





#42

2,4,6-Tribromophenol

Concen: 32.598 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:14

Instrument :

BNA_F

ClientSampleId :

370-371

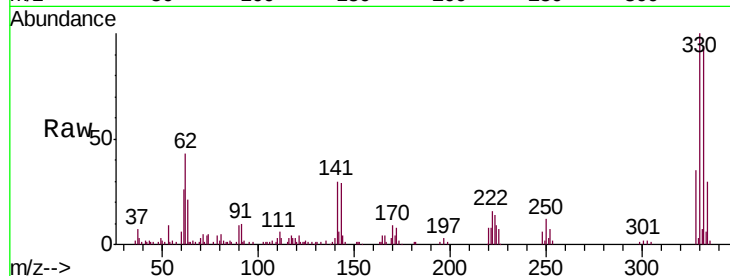
Tgt Ion:330 Resp: 84167

Ion Ratio Lower Upper

330 100

332 96.0 76.8 115.2

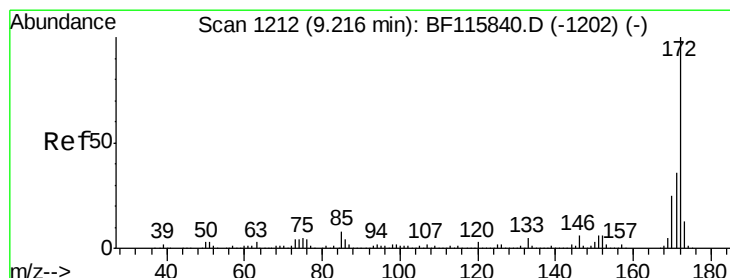
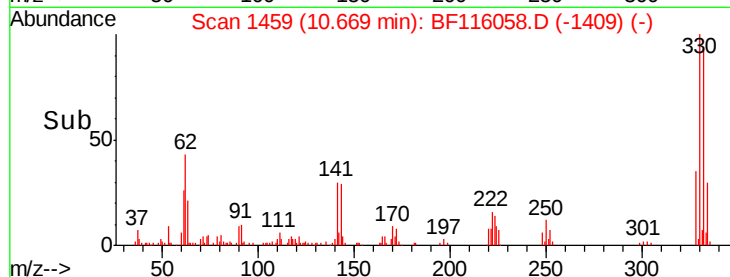
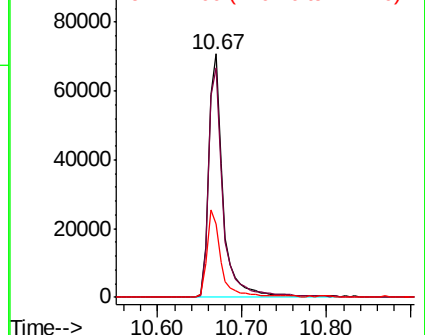
141 35.5 26.3 39.5



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: 35.715 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:14

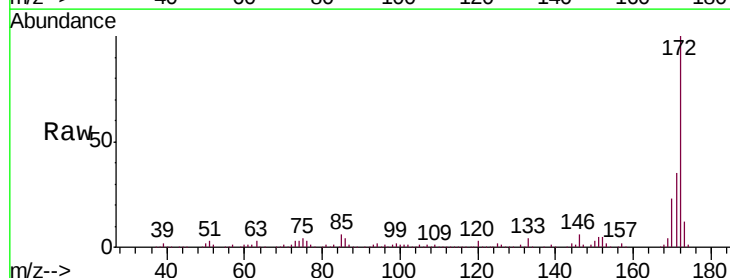
Tgt Ion:172 Resp: 507784

Ion Ratio Lower Upper

172 100

171 34.6 29.6 44.4

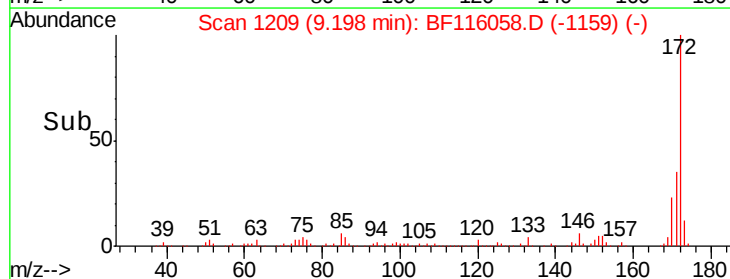
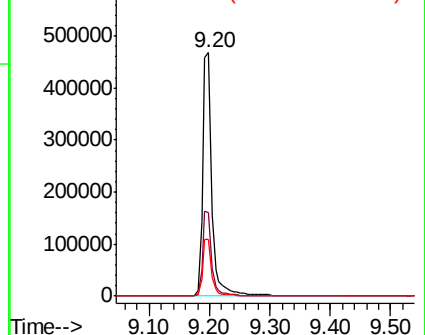
170 23.3 20.1 30.1

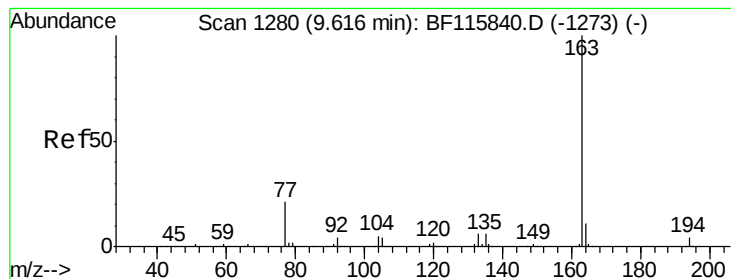


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.772 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF116058.D

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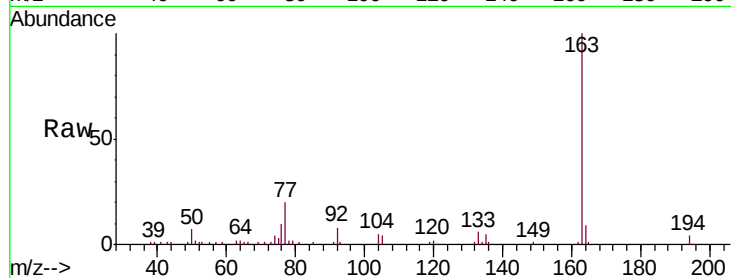
Tgt Ion:163 Resp: 86521

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

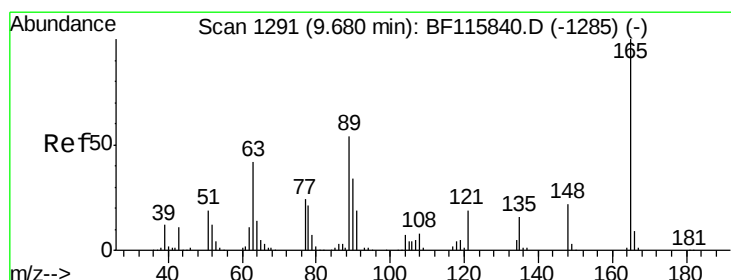
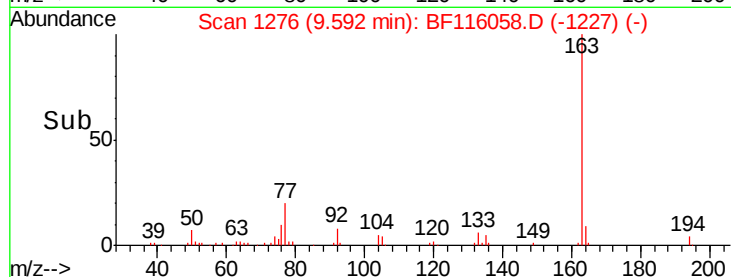
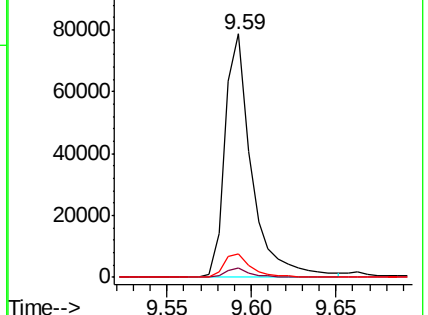
164 9.4 8.4 12.6



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



#51

2,6-Dinitrotoluene

Concen: 8.768 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.20 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:14

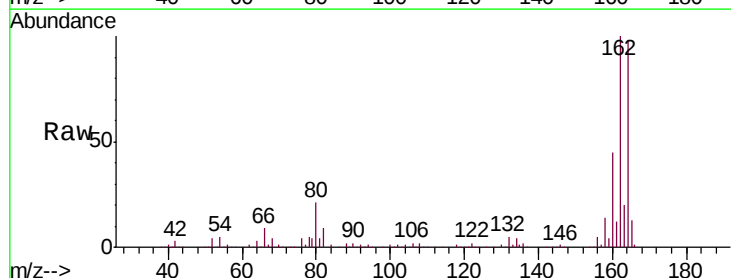
Tgt Ion:165 Resp: 34552

Ion Ratio Lower Upper

165 100

63 1.6 38.2 57.2#

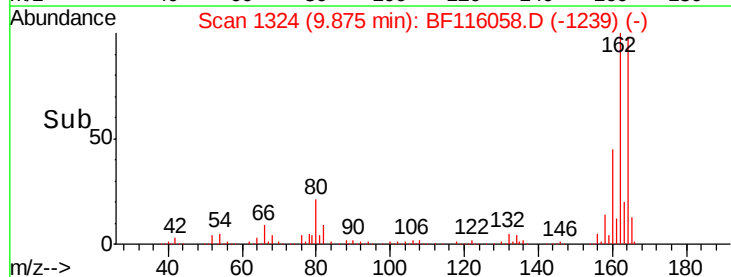
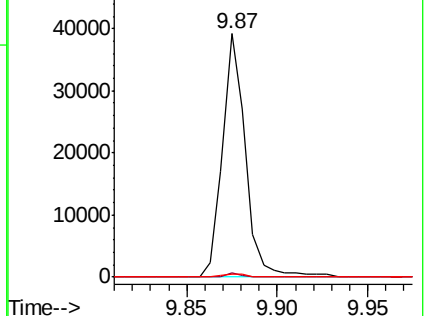
89 1.3 42.9 64.3#

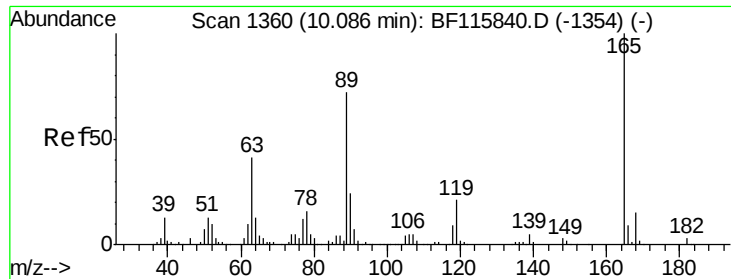


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

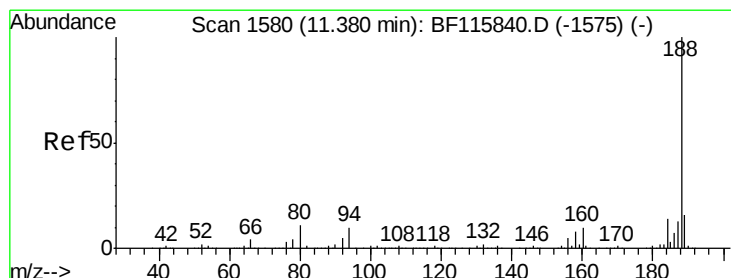
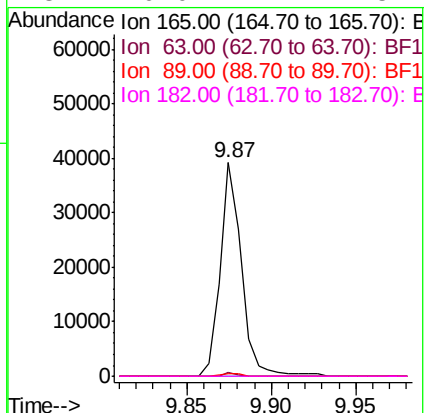
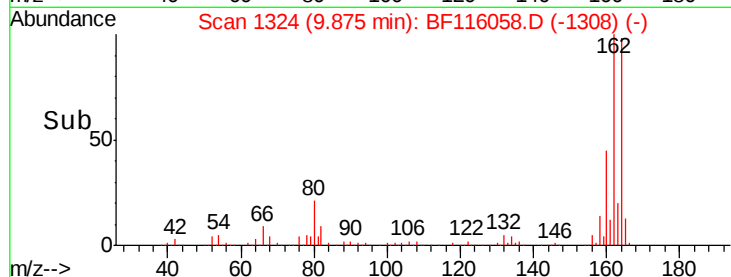
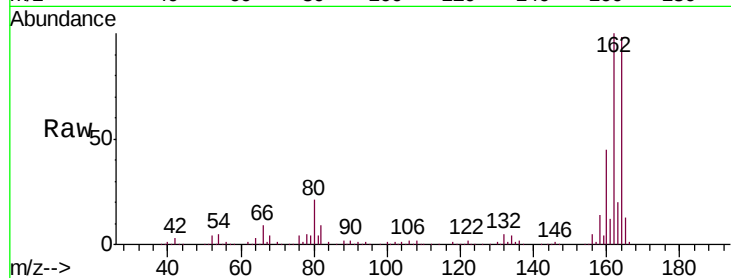




#57
 2,4-Dinitrotoluene
 Concen: 6.586 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF116058.D
 Acq: 7 Aug 2019 20:14

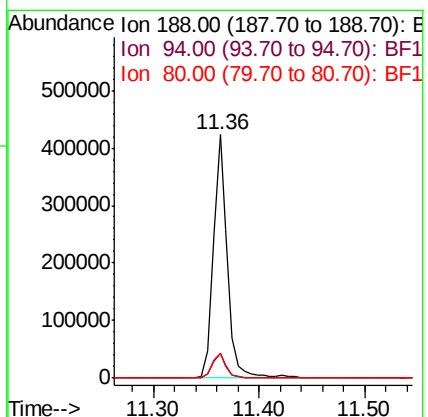
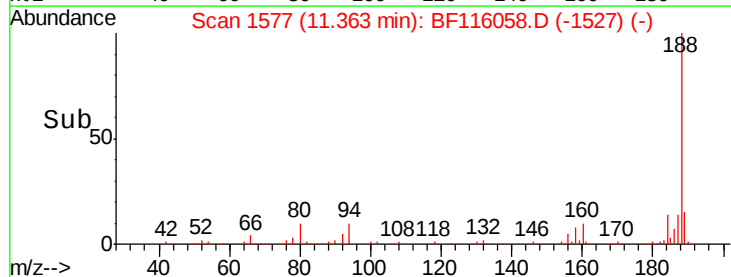
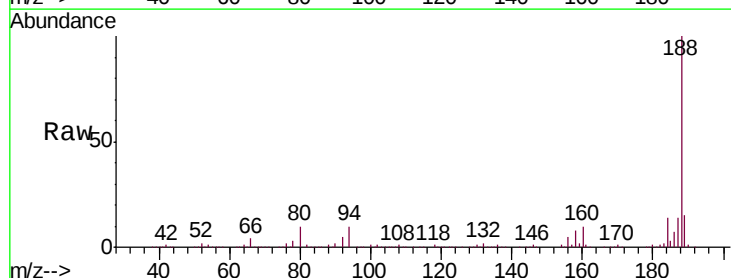
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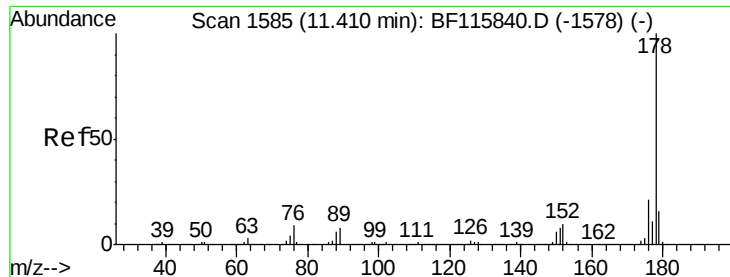
Tgt Ion:	165	Resp:	34553
Ion	Ratio	Lower	Upper
165	100		
63	1.6	39.6	59.4#
89	1.3	62.2	93.2#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116058.D
 Acq: 7 Aug 2019 20:14

Tgt Ion:	188	Resp:	398901
Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.1	12.1
80	10.3	8.7	13.1

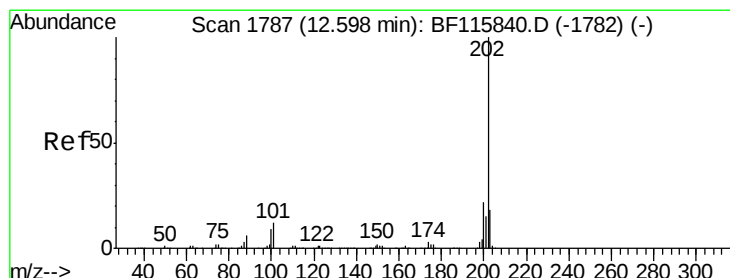
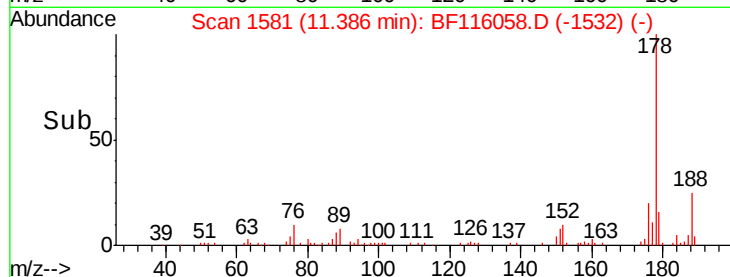
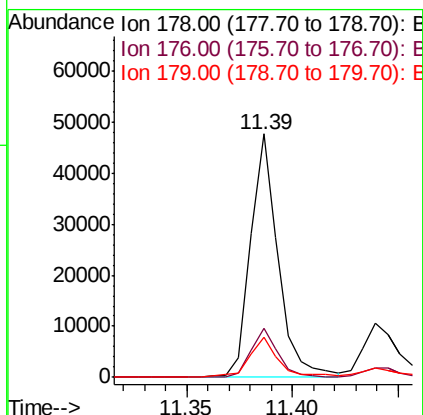
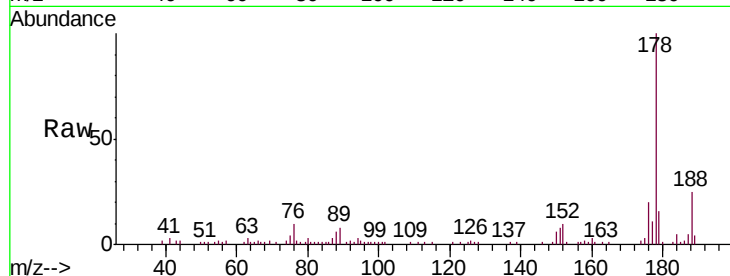




#71
Phenanthrene
Concen: 2.134 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116058.D
Acq: 7 Aug 2019 20:14

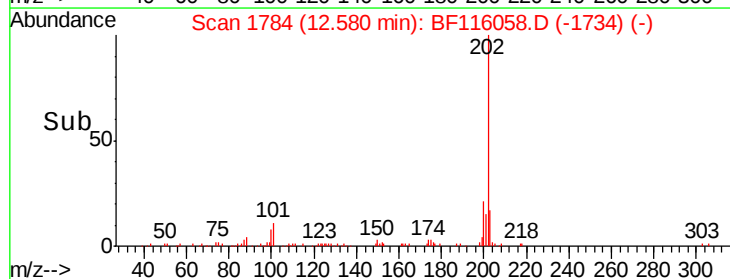
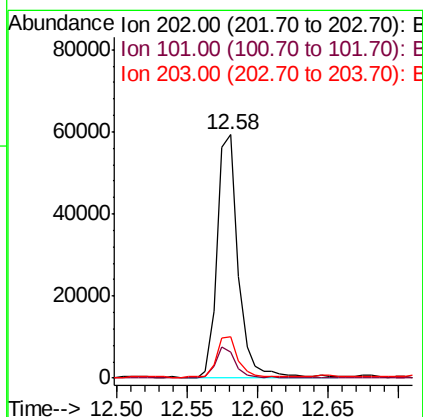
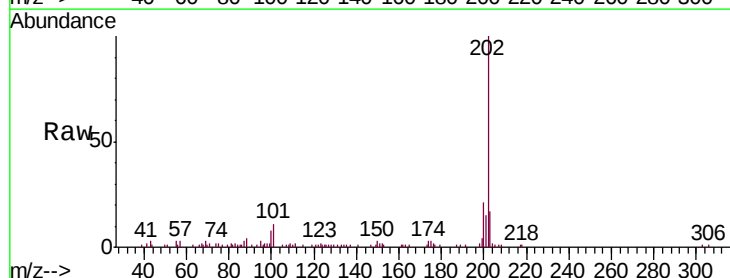
Instrument :
BNA_F
ClientSampleId :
370-371

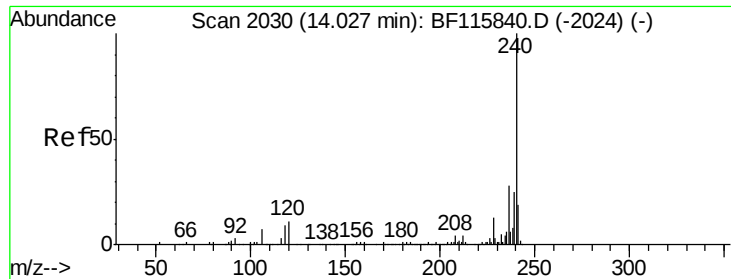
Tgt Ion:178 Resp: 43514
Ion Ratio Lower Upper
178 100
176 20.1 16.6 24.8
179 16.5 12.5 18.7



#75
Fluoranthene
Concen: 2.927 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF116058.D
Acq: 7 Aug 2019 20:14

Tgt Ion:202 Resp: 62479
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.2
203 16.8 0.0 37.8

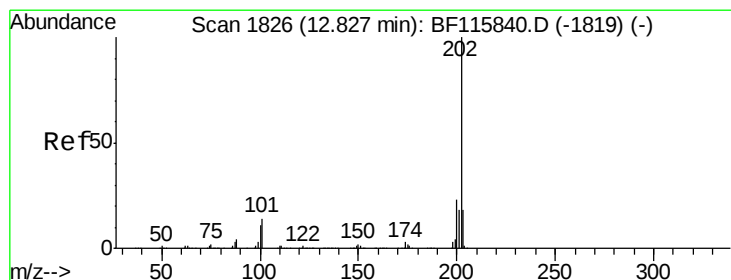
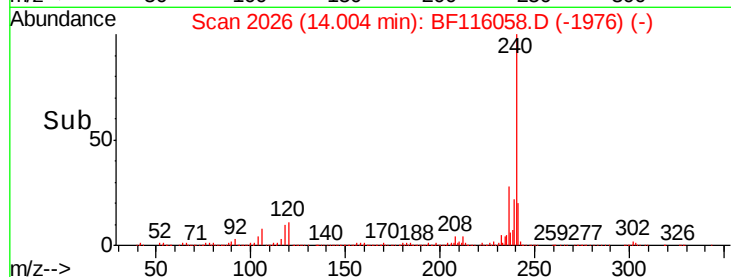
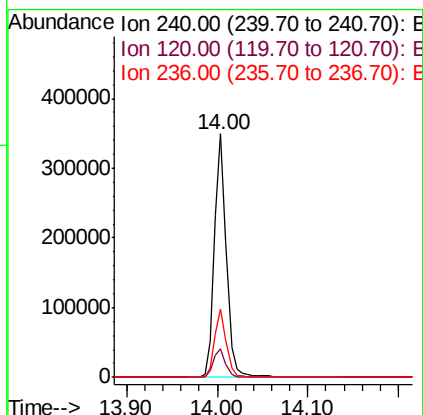
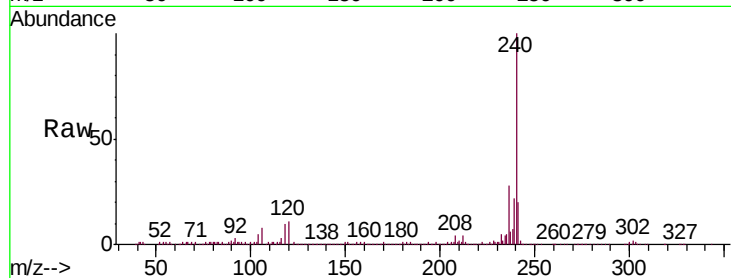




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116058.D
Acq: 7 Aug 2019 20:14

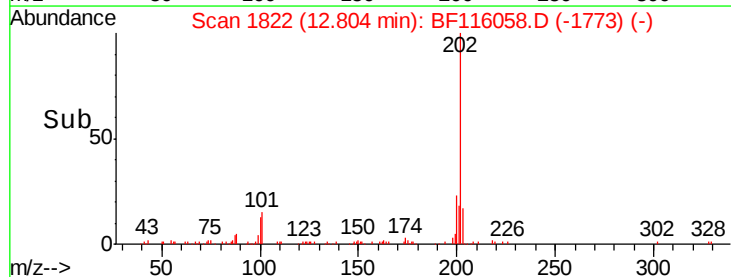
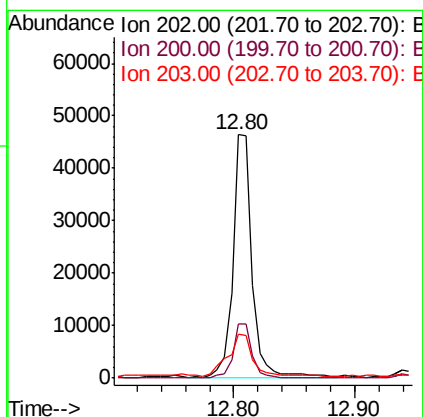
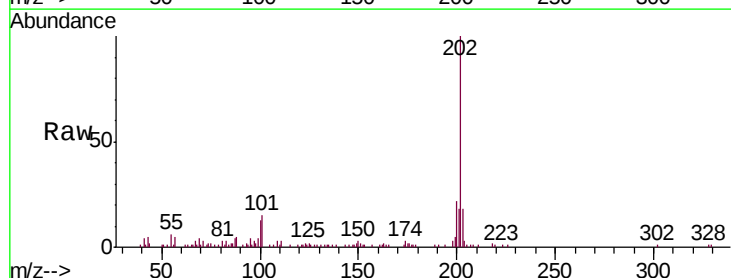
Instrument :
BNA_F
ClientSampleId :
370-371

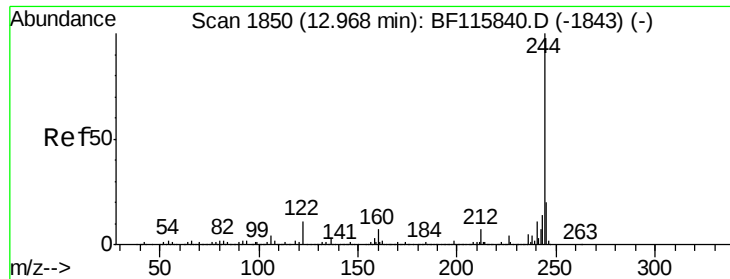
Tgt Ion:240 Resp: 322965
Ion Ratio Lower Upper
240 100
120 11.5 10.7 16.1
236 27.8 22.2 33.2



#78
Pyrene
Concen: 2.131 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116058.D
Acq: 7 Aug 2019 20:14

Tgt Ion:202 Resp: 51876
Ion Ratio Lower Upper
202 100
200 22.4 18.0 27.0
203 18.2 14.1 21.1





#79

Terphenyl-d14

Concen: 23.964 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:14

Instrument :

BNA_F

ClientSampleId :

370-371

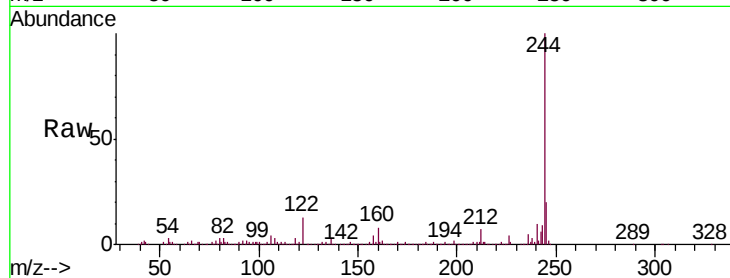
Tgt Ion:244 Resp: 367295

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

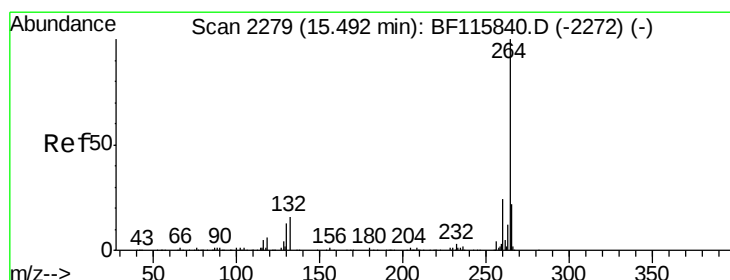
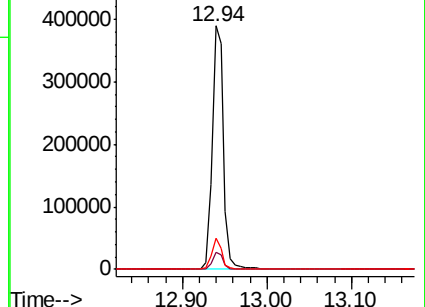
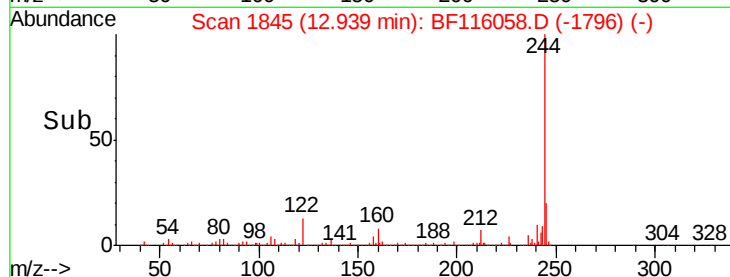
122 12.6 9.0 13.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:14

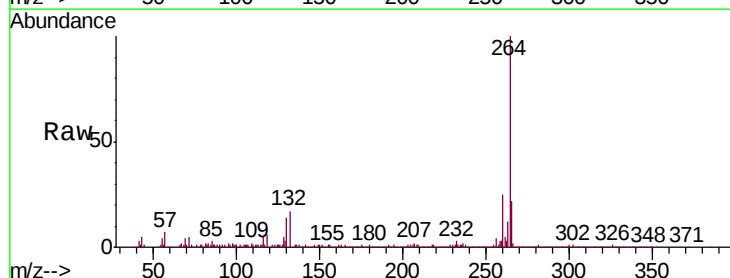
Tgt Ion:264 Resp: 366708

Ion Ratio Lower Upper

264 100

260 24.6 19.7 29.5

265 21.6 17.4 26.0



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

