

Data File : BF116317.D
Acq On : 16 Aug 2019 12:54
Operator : HP/JU
Sample : K4340-04RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LS-SAMPLE-2

Quant Time: Aug 17 03:07:18 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

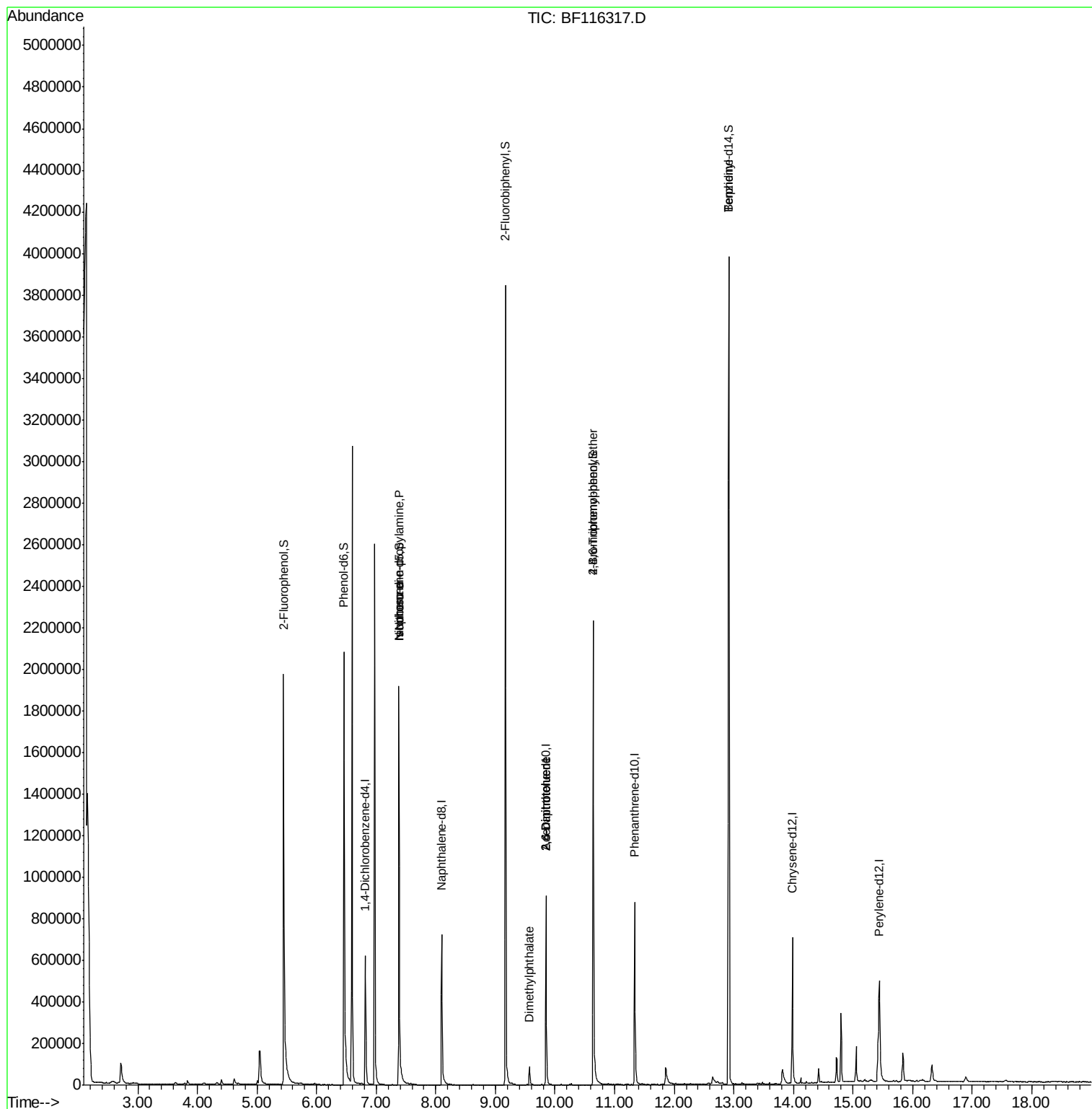
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	100684	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	382296	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	206069	20.00	ng	-0.04
64) Phenanthrene-d10	11.33	188	382345	20.00	ng	-0.04
76) Chrysene-d12	13.98	240	281504	20.00	ng	-0.03
87) Perylene-d12	15.44	264	284239	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	767716	127.65	ng	-0.02
7) Phenol-d6	6.46	99	900074	118.62	ng	-0.03
23) Nitrobenzene-d5	7.38	82	695268	104.98	ng	-0.04
42) 2,4,6-Tribromophenol	10.64	330	312072	156.20	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	1197316	108.83	ng	-0.04
79) Terphenyl-d14	12.92	244	1478003	110.63	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	90502	19.247	ng	# 80
25) Isophorone	7.38	82	695437	54.914	ng	# 65
50) Dimethylphthalate	9.57	163	46828	3.337	ng	100
51) 2,6-Dinitrotoluene	9.85	165	26093	8.557	ng	# 29
57) 2,4-Dinitrotoluene	9.85	165	26093	6.427	ng	# 20
67) 4-Bromophenyl-phenylether	10.64	248	18980	4.637	ng	# 1
77) Benzidine	12.92	184	19752	2.077	ng	# 94

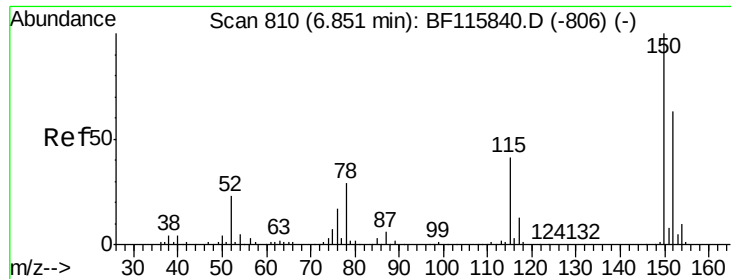
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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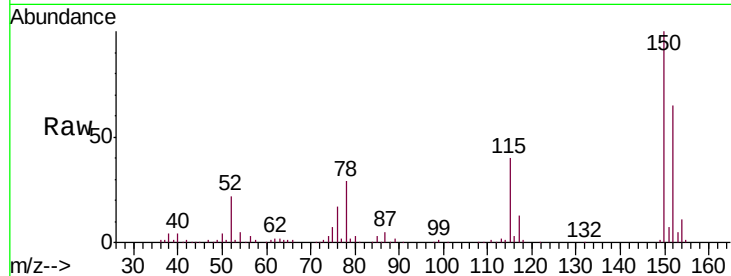


#1

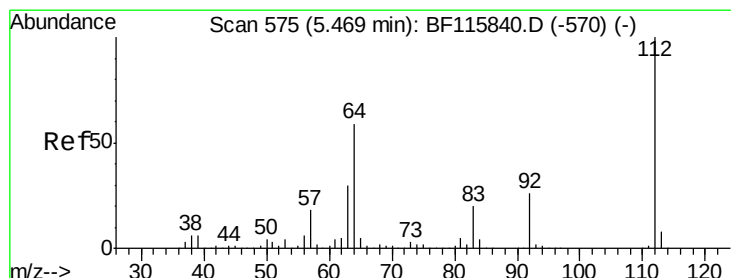
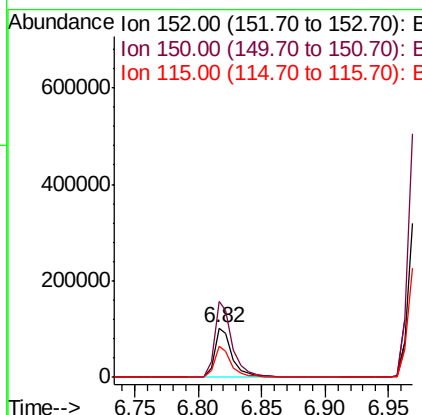
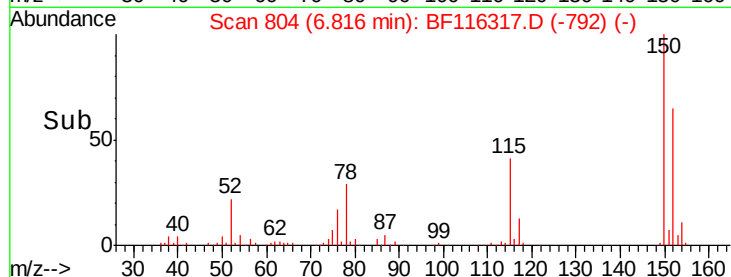
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF116317.D
Acq: 16 Aug 2019 12:54

Instrument :
BNA_F
ClientSampleId :
LS-SAMPLE-2

Tgt Ion:152 Resp: 100684
Ion Ratio Lower Upper
152 100
150 154.6 126.2 189.2
115 62.4 49.9 74.9



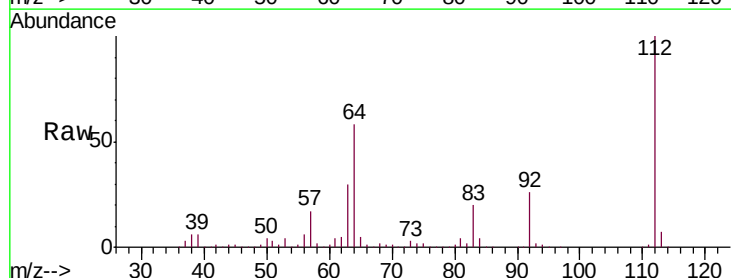
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



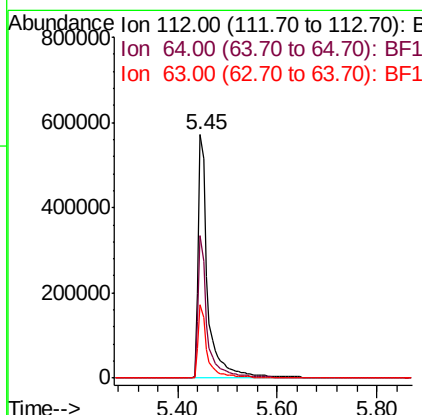
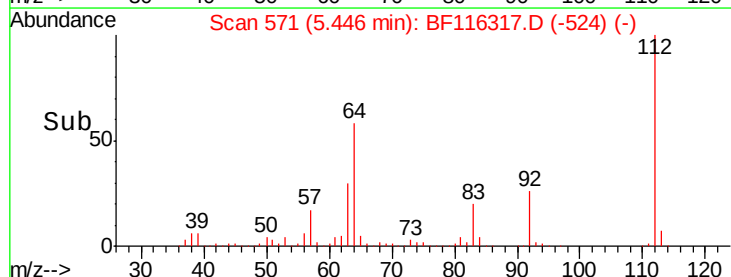
#5

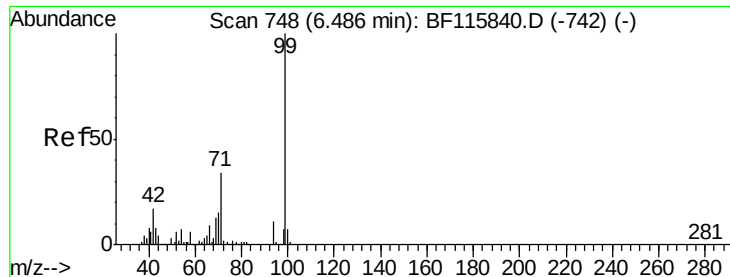
2-Fluorophenol
Concen: 127.647 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.02 min
Lab File: BF116317.D
Acq: 16 Aug 2019 12:54

Tgt Ion:112 Resp: 767716
Ion Ratio Lower Upper
112 100
64 58.3 45.4 68.2
63 30.1 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: 118.615 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF116317.D

Acq: 16 Aug 2019 12:54

Instrument :

BNA_F

ClientSampleId :

LS-SAMPLE-2

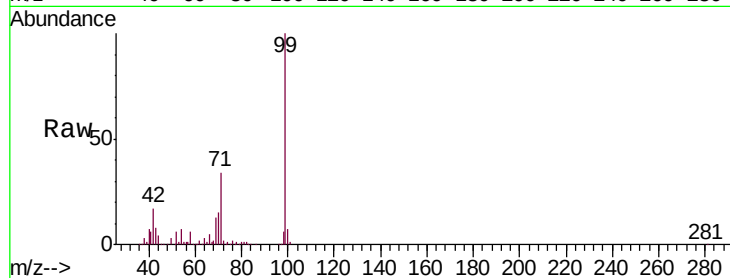
Tgt Ion: 99 Resp: 900074

Ion Ratio Lower Upper

99 100

42 16.9 13.8 20.8

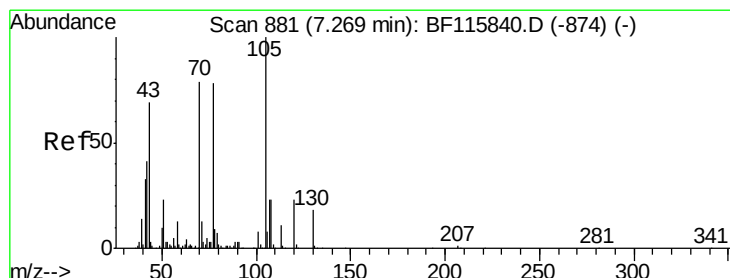
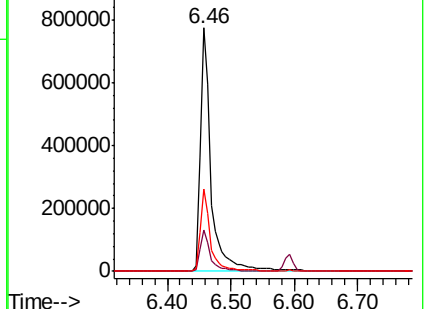
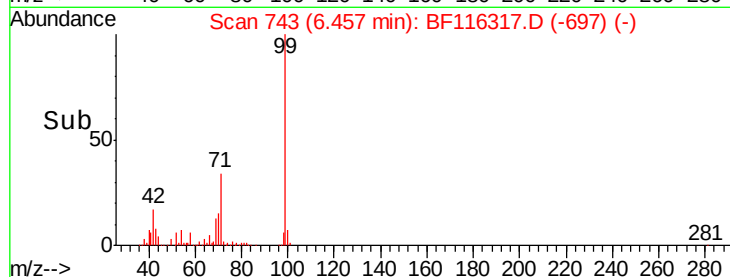
71 33.6 27.3 40.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 19.247 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.11 min

Lab File: BF116317.D

Acq: 16 Aug 2019 12:54

Tgt Ion: 70 Resp: 90502

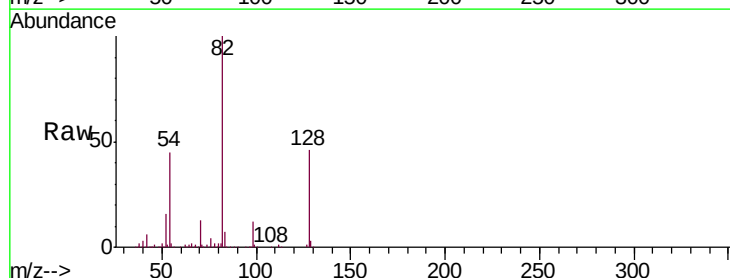
Ion Ratio Lower Upper

70 100

42 44.3 40.9 61.3

101 0.0 7.9 11.9#

130 2.2 16.9 25.3#

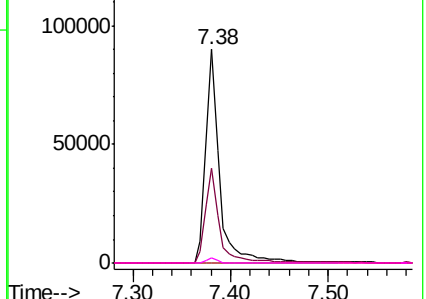
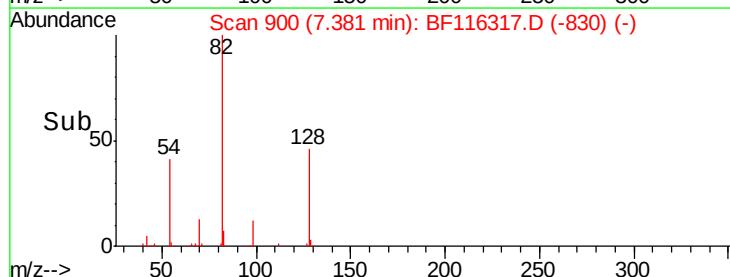


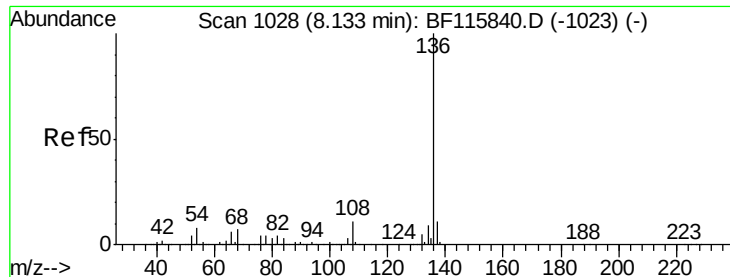
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

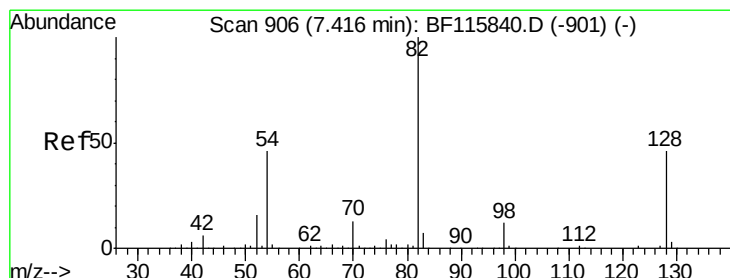
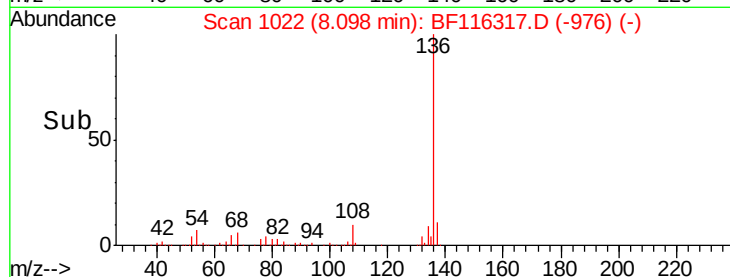
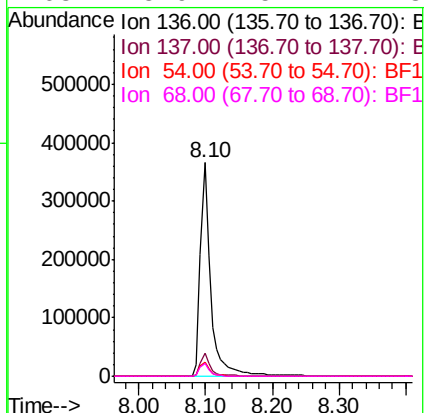
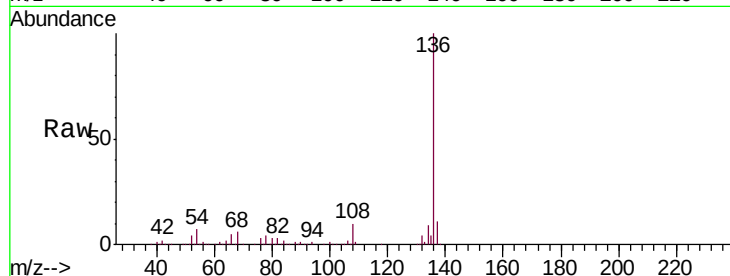




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BF116317.D
Acq: 16 Aug 2019 12:54

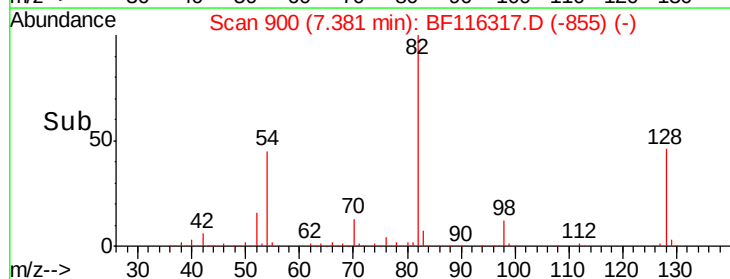
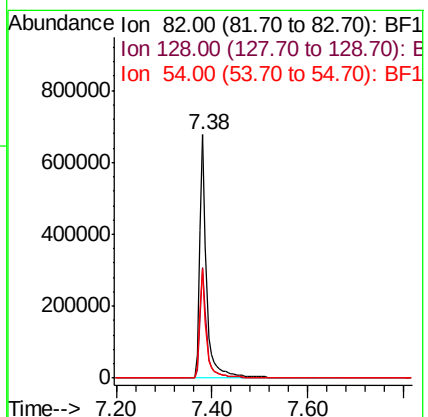
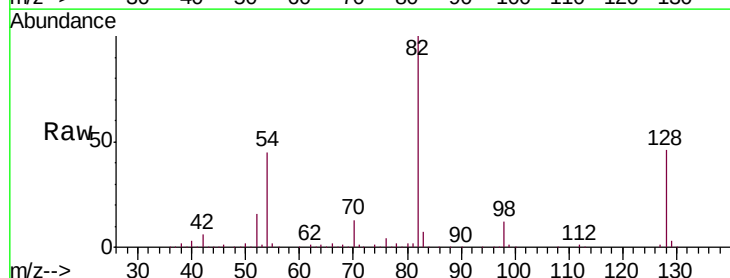
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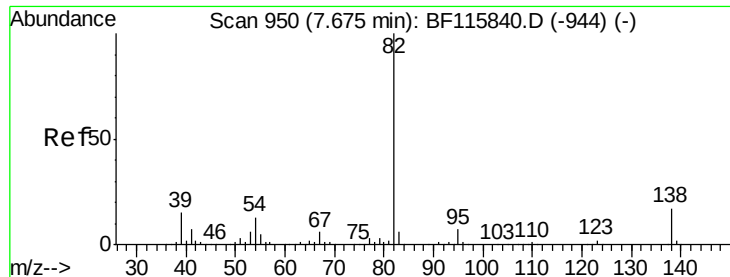
Tgt Ion:	136	Resp:	382296
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	6.7	5.8	8.6
68	5.9	5.2	7.8



#23
Nitrobenzene-d5
Concen: 104.979 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.04 min
Lab File: BF116317.D
Acq: 16 Aug 2019 12:54

Tgt Ion:	82	Resp:	695268
Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.5	54.7
54	45.0	36.0	54.0





#25

Isophorone

Concen: 54.914 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.29 min

Lab File: BF116317.D

Acq: 16 Aug 2019 12:54

Instrument :

BNA_F

ClientSampleId :

LS-SAMPLE-2

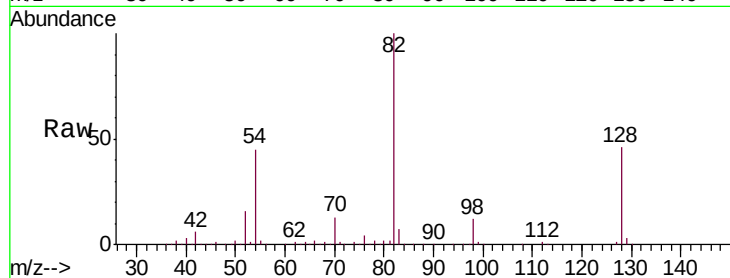
Tgt Ion: 82 Resp: 695437

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

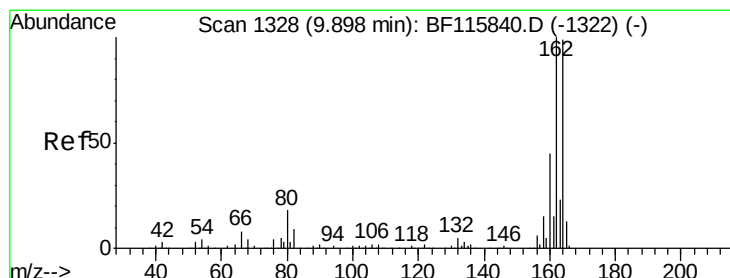
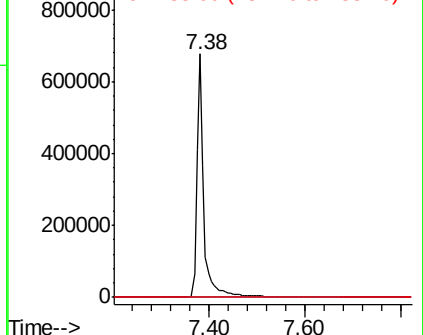
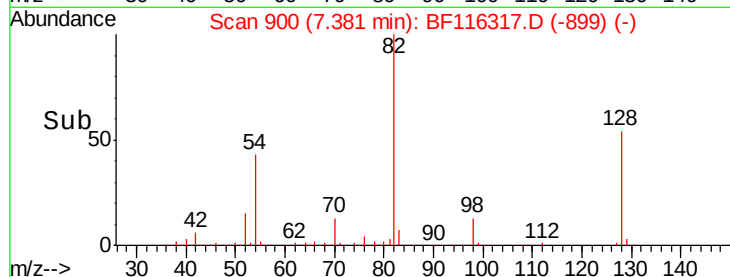
138 0.0 14.5 21.7#



Abundance Ion 82.00 (81.70 to 82.70): 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: 9.85 min Scan# 1319

Delta R.T. -0.04 min

Lab File: BF116317.D

Acq: 16 Aug 2019 12:54

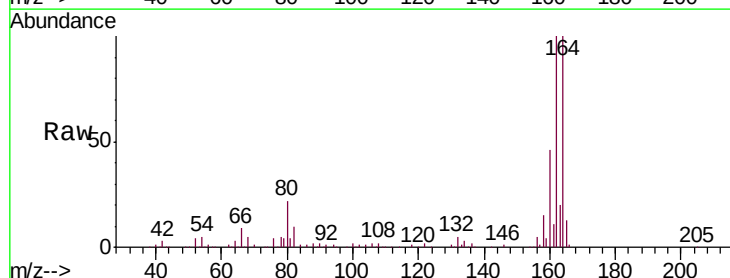
Tgt Ion: 164 Resp: 206069

Ion Ratio Lower Upper

164 100

162 99.5 82.6 124.0

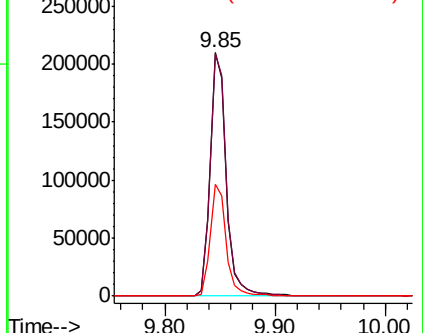
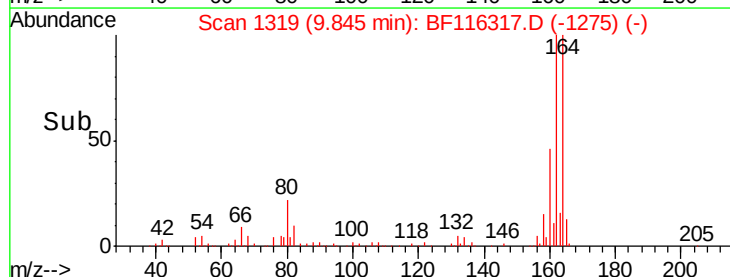
160 45.8 37.6 56.4

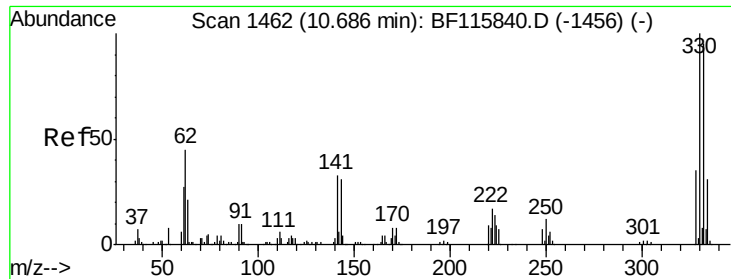


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

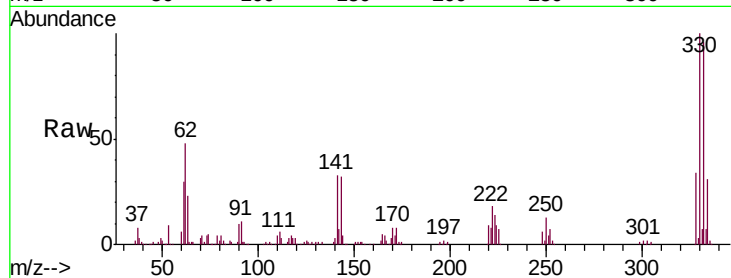




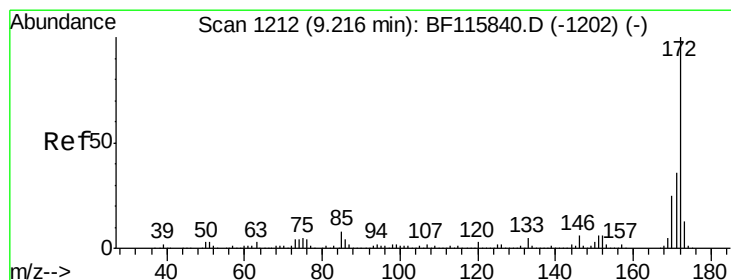
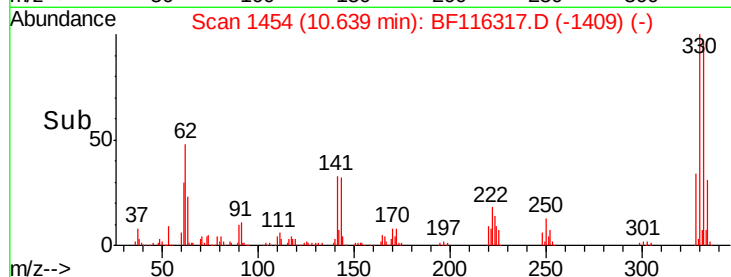
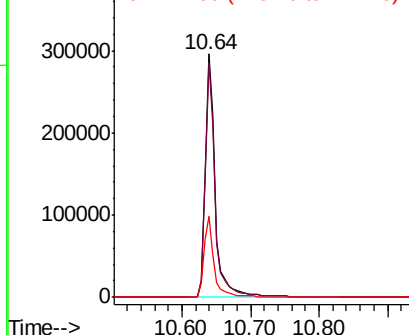
#42
 2,4,6-Tribromophenol
 Concen: 156.200 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.04 min
 Lab File: BF116317.D
 Acq: 16 Aug 2019 12:54

Instrument :
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Tgt Ion:330 Resp: 312072
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.8 115.2
 141 33.9 26.3 39.5

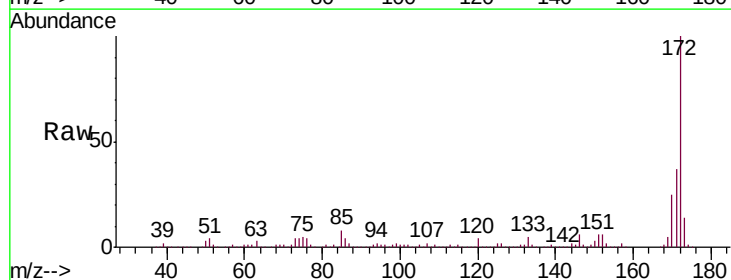


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

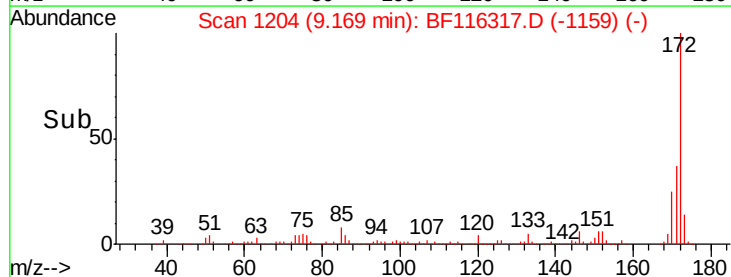
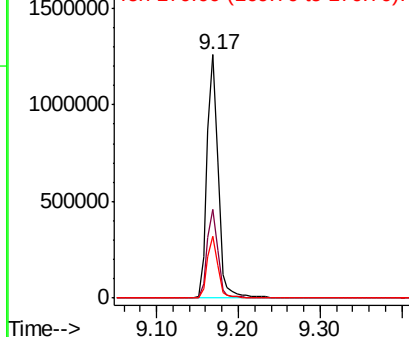


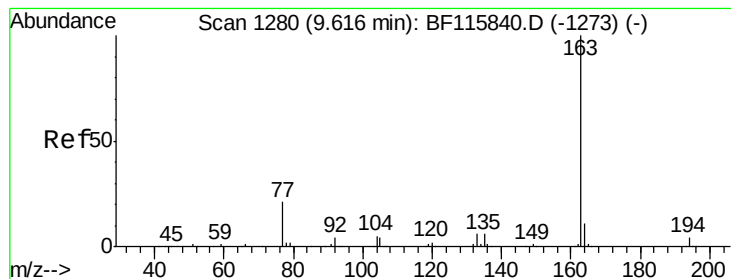
#45
 2-Fluorobiphenyl
 Concen: 108.831 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.04 min
 Lab File: BF116317.D
 Acq: 16 Aug 2019 12:54

Tgt Ion:172 Resp: 1197316
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 25.2 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: 3.337 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.04 min

Lab File: BF116317.D

Acq: 16 Aug 2019 12:54

Instrument :

BNA_F

ClientSampleId :

LS-SAMPLE-2

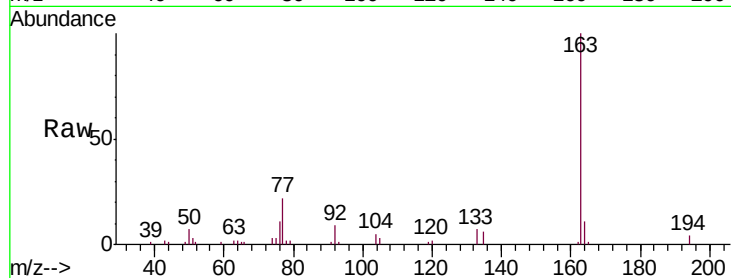
Tgt Ion:163 Resp: 46828

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

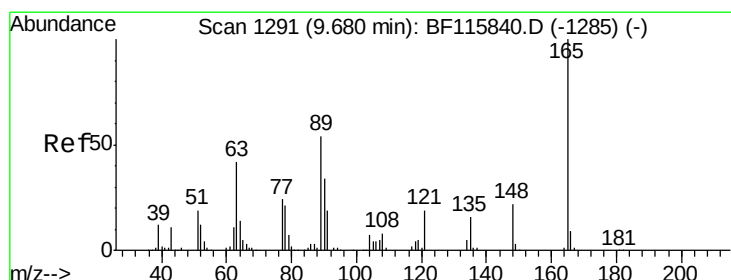
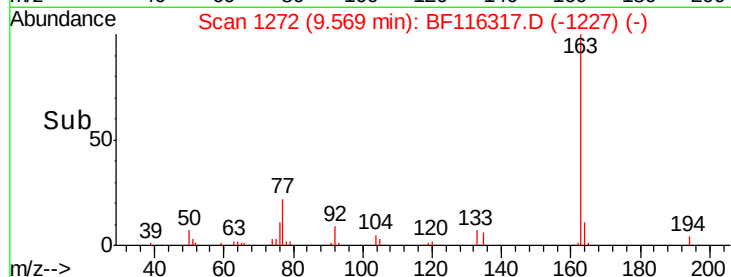
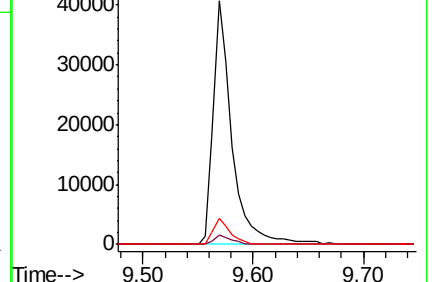
164 10.6 8.4 12.6



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: 8.557 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.17 min

Lab File: BF116317.D

Acq: 16 Aug 2019 12:54

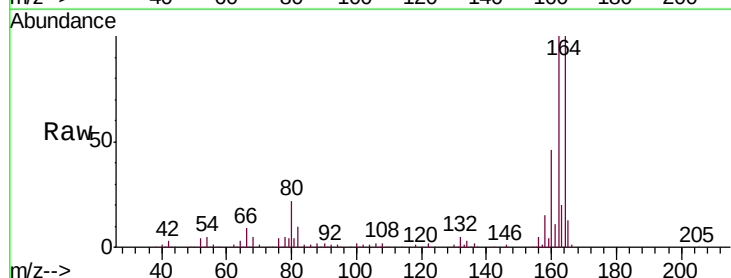
Tgt Ion:165 Resp: 26093

Ion Ratio Lower Upper

165 100

63 1.4 38.2 57.2#

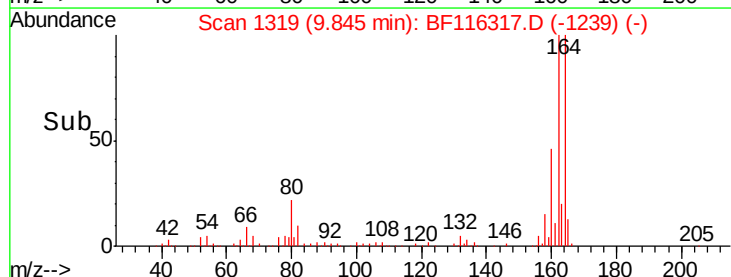
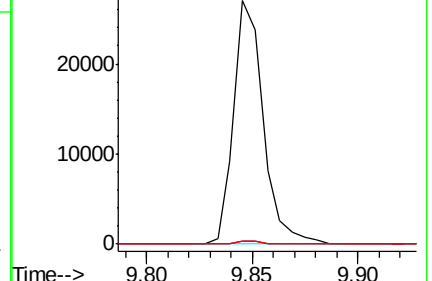
89 1.2 42.9 64.3#

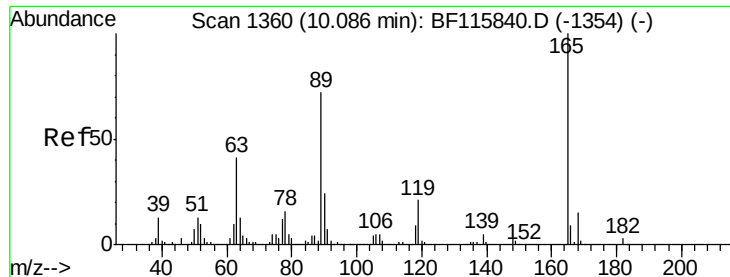


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 6.427 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.24 min

Lab File: BF116317.D

Acq: 16 Aug 2019 12:54

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:165 Resp: 26093

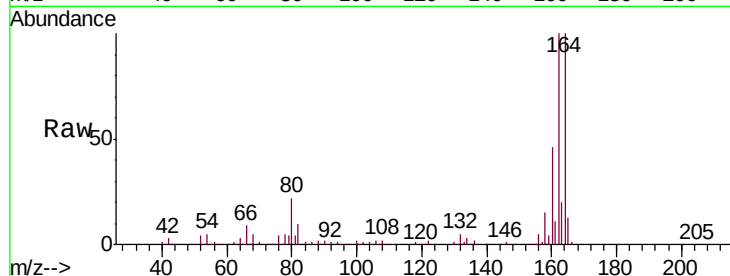
Ion Ratio Lower Upper

165 100

63 1.4 39.6 59.4#

89 1.2 62.2 93.2#

182 0.0 2.1 3.1#

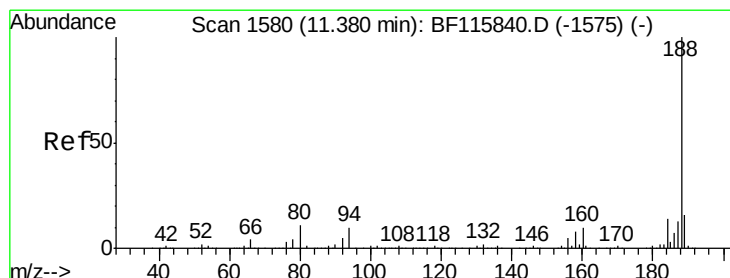
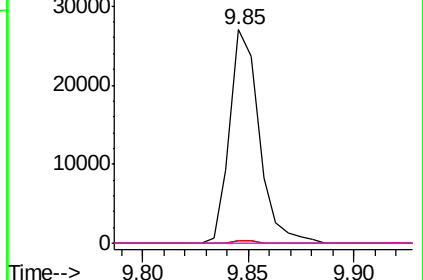
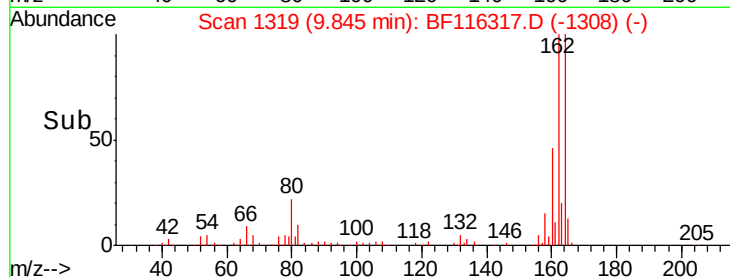


Abundance Ion 165.00 (164.70 to 165.70): E

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# 1572

Delta R.T. -0.04 min

Lab File: BF116317.D

Acq: 16 Aug 2019 12:54

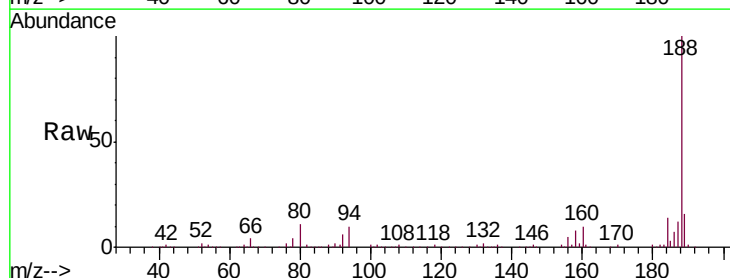
Tgt Ion:188 Resp: 382345

Ion Ratio Lower Upper

188 100

94 10.3 8.1 12.1

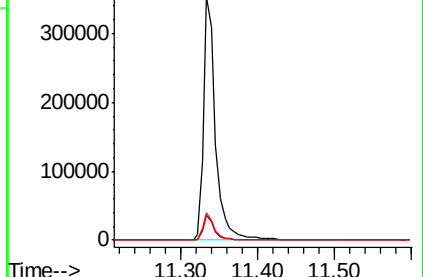
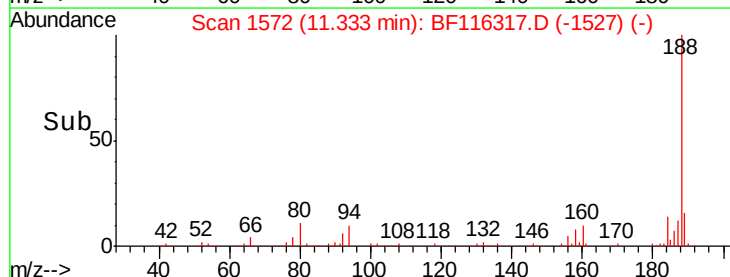
80 11.2 8.7 13.1

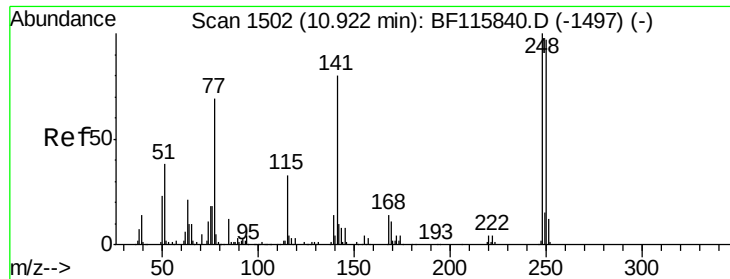


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

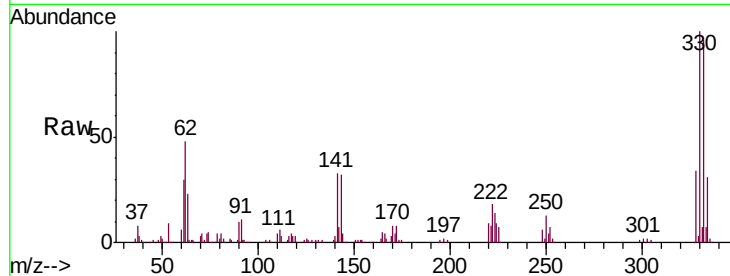




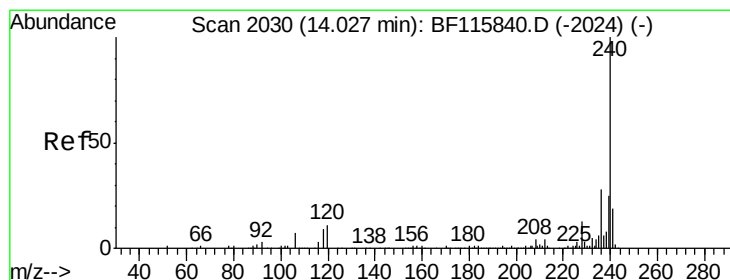
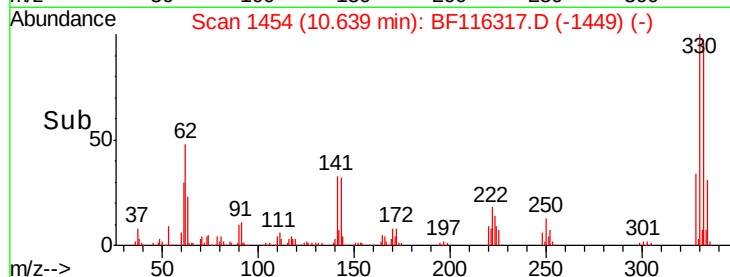
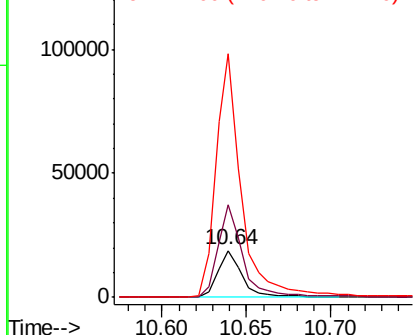
#67
4-Bromophenyl-phenylether
Concen: 4.637 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.27 min
Lab File: BF116317.D
Acq: 16 Aug 2019 12:54

Instrument :
BNA_F
ClientSampleId :
LS-SAMPLE-2

Tgt Ion:248 Resp: 18980
Ion Ratio Lower Upper
248 100
250 197.6 77.4 116.2#
141 518.0 56.8 85.2#

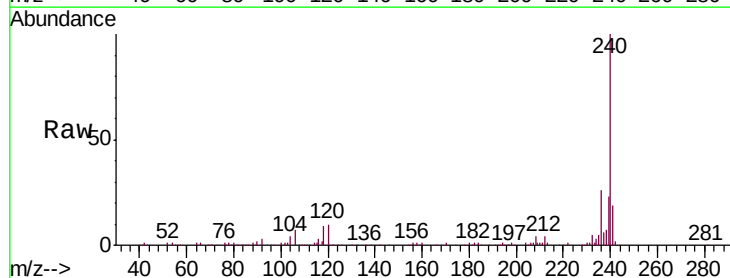


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

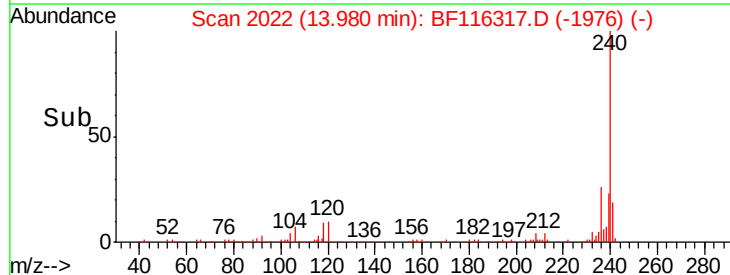
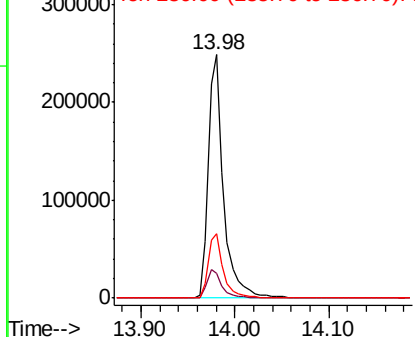


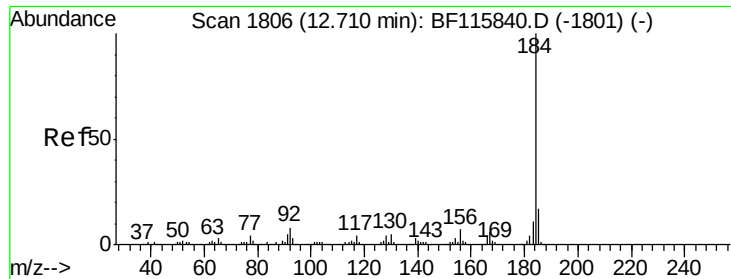
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.03 min
Lab File: BF116317.D
Acq: 16 Aug 2019 12:54

Tgt Ion:240 Resp: 281504
Ion Ratio Lower Upper
240 100
120 10.3 10.7 16.1#
236 26.4 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





#77

Benzidine

Concen: 2.077 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.22 min

Lab File: BF116317.D

Acq: 16 Aug 2019 12:54

Instrument :

BNA_F

ClientSampleId :

LS-SAMPLE-2

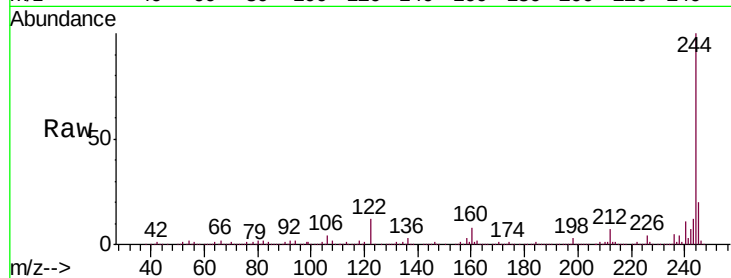
Tgt Ion:184 Resp: 19752

Ion Ratio Lower Upper

184 100

185 18.0 12.8 19.2

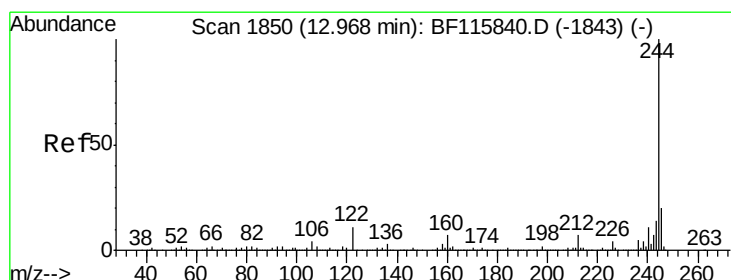
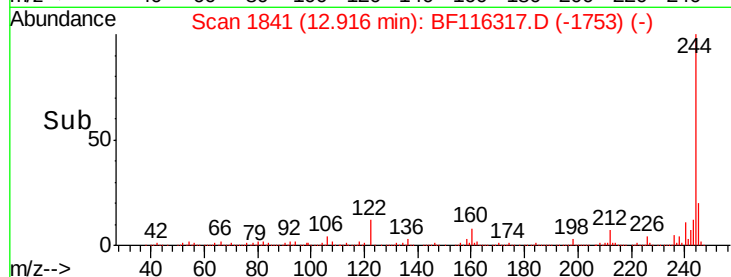
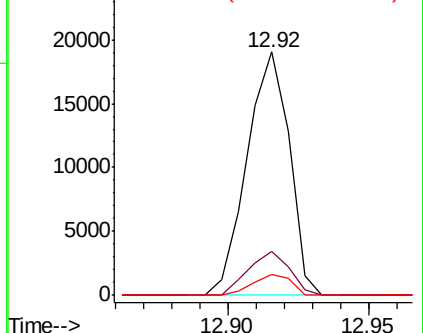
183 8.6 9.4 14.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 110.634 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.04 min

Lab File: BF116317.D

Acq: 16 Aug 2019 12:54

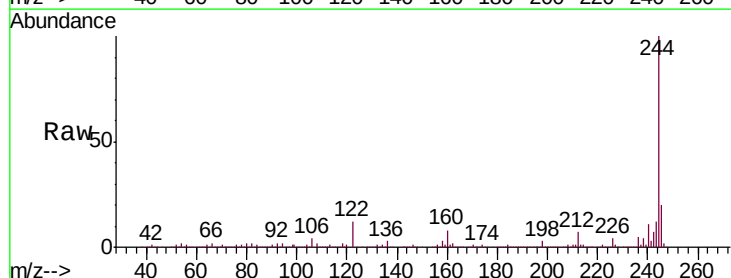
Tgt Ion:244 Resp: 1478003

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

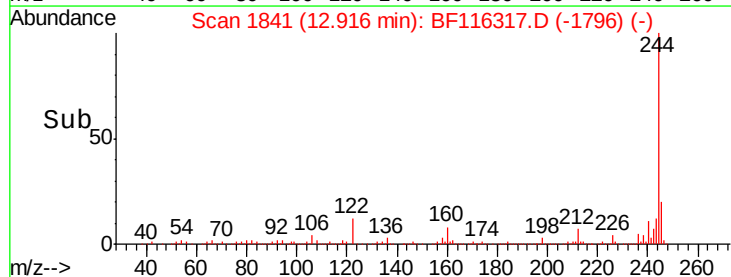
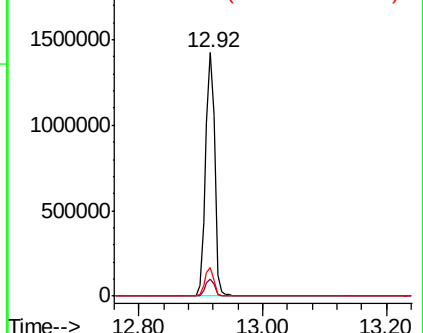
122 11.7 9.0 13.4

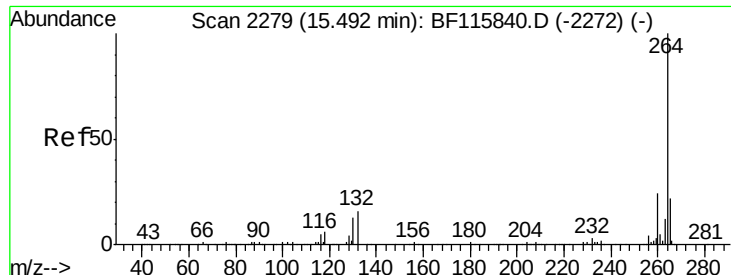


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.44 min Scan# 2270
Delta R.T. -0.04 min
Lab File: BF116317.D
Acq: 16 Aug 2019 12:54

Instrument :
BNA_F
ClientSampleId :
LS-SAMPLE-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	21.8	17.4	26.0

