

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082619\
 Data File : BF116566.D
 Acq On : 26 Aug 2019 11:24
 Operator : HP/JU
 Sample : PB122528BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB122528BL

Quant Time: Aug 27 02:34:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

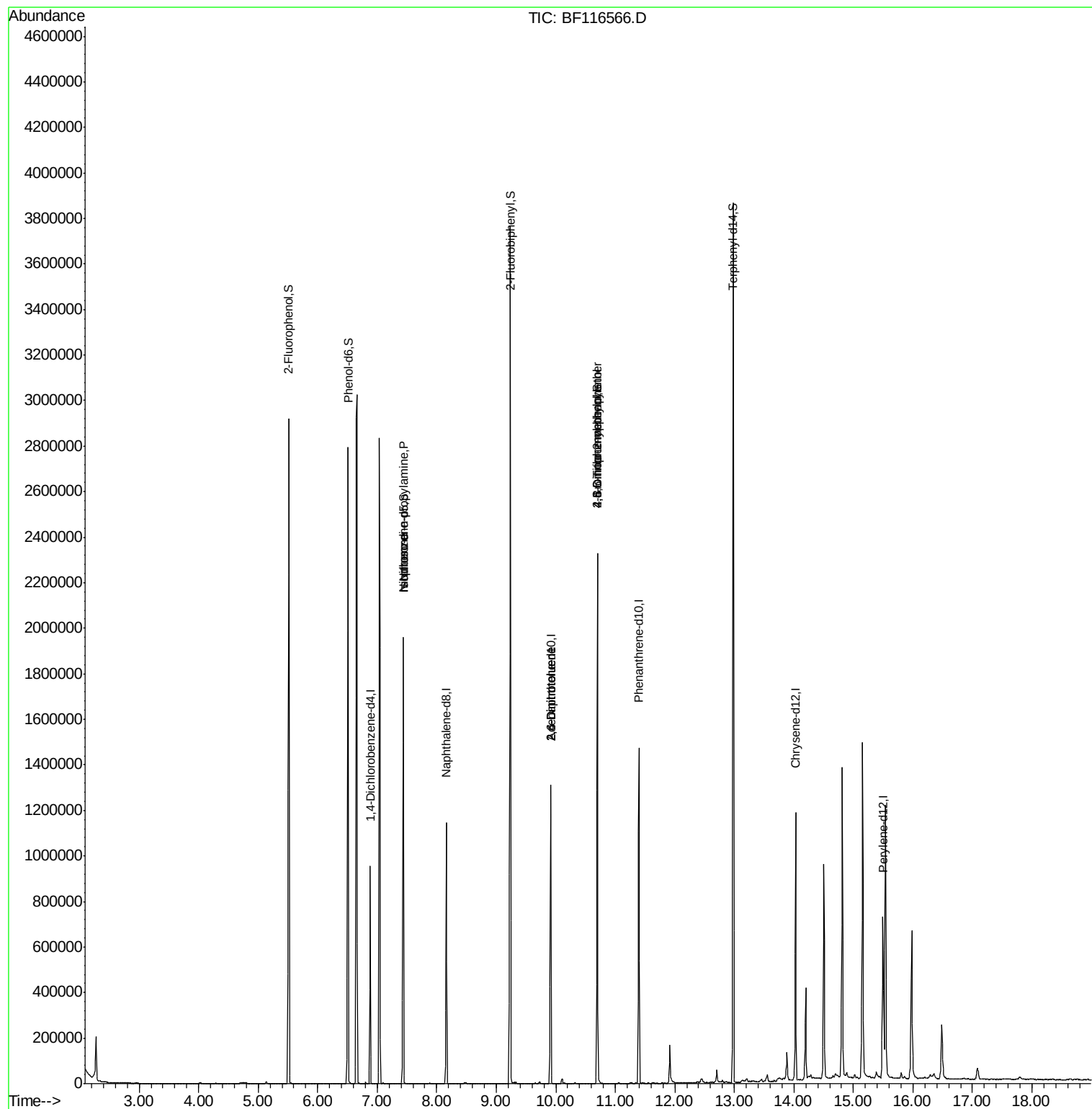
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	132636	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	524930	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	282042	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	501748	20.00	ng	0.00
76) Chrysene-d12	14.03	240	358679	20.00	ng	0.00
87) Perylene-d12	15.50	264	329216	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	839388	92.47	ng	0.02
7) Phenol-d6	6.51	99	1110430	99.77	ng	0.00
23) Nitrobenzene-d5	7.44	82	719026	74.94	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	286853	118.45	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1328212	75.84	ng	0.00
79) Terphenyl-d14	12.99	244	1454670	75.76	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	96434	12.697	ng	# 77
25) Isophorone	7.44	82	716529	37.895	ng	# 67
51) 2,6-Dinitrotoluene	9.92	165	36230	8.995	ng	# 25
57) 2,4-Dinitrotoluene	9.92	165	36230	7.069	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.70	198	615	7.261	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	19442	3.696	ng	# 1

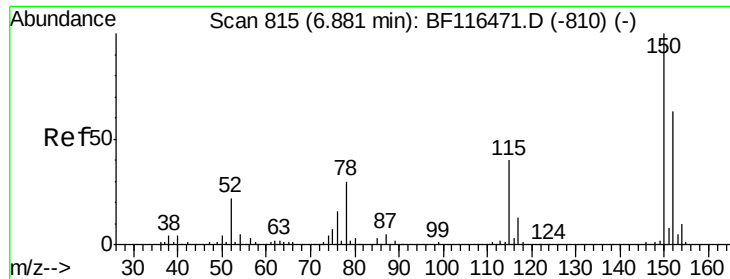
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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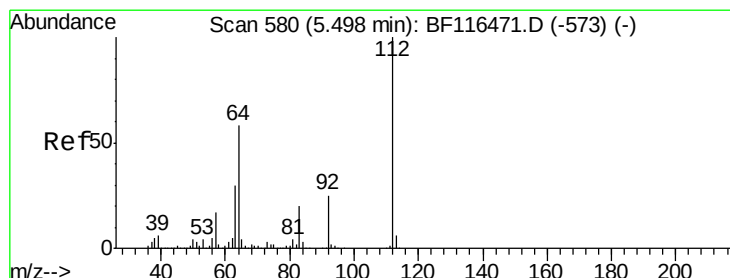
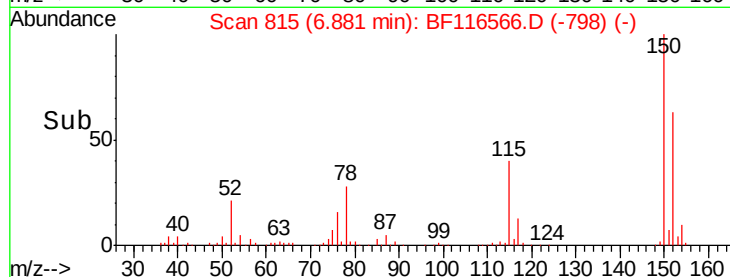
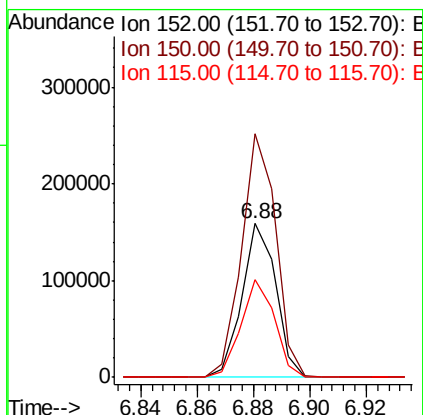
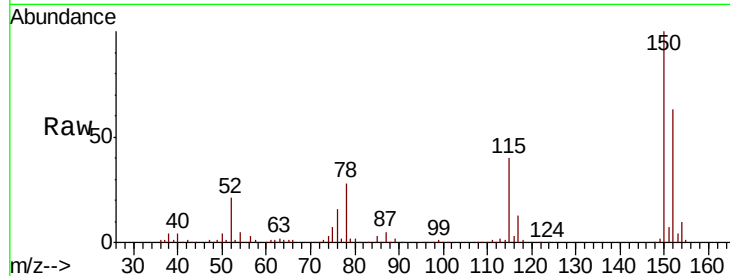


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF116566.D
Acq: 26 Aug 2019 11:24

Instrument :
BNA_F
ClientSampleId :
PB122528BL

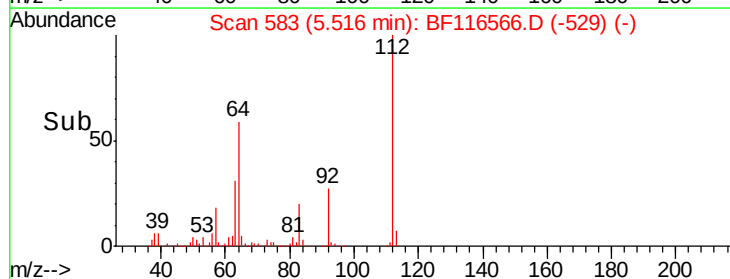
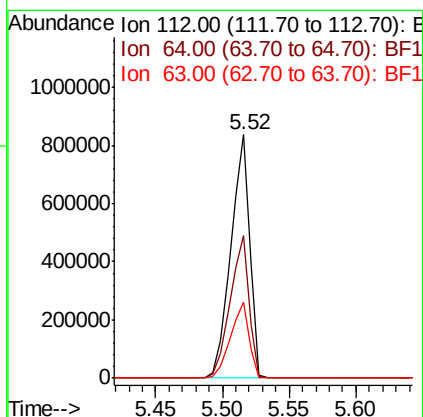
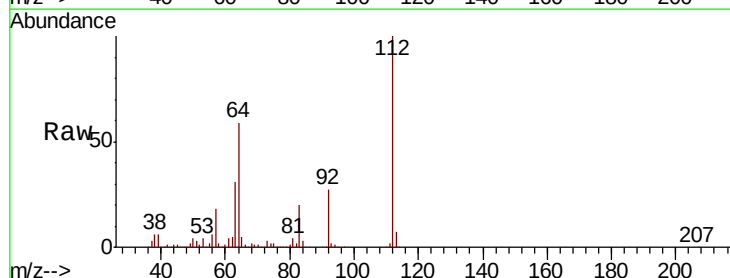
Tgt Ion:152 Resp: 132636
Ion Ratio Lower Upper
152 100
150 158.2 126.7 190.1
115 63.5 50.9 76.3

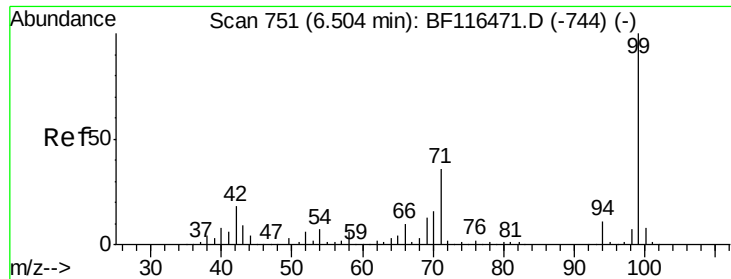


#5

2-Fluorophenol
Concen: 92.469 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF116566.D
Acq: 26 Aug 2019 11:24

Tgt Ion:112 Resp: 839388
Ion Ratio Lower Upper
112 100
64 58.7 46.3 69.5
63 31.1 24.2 36.4





#7

Phenol-d6

Concen: 99.766 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116566.D

Acq: 26 Aug 2019 11:24

Instrument :

BNA_F

ClientSampleId :

PB122528BL

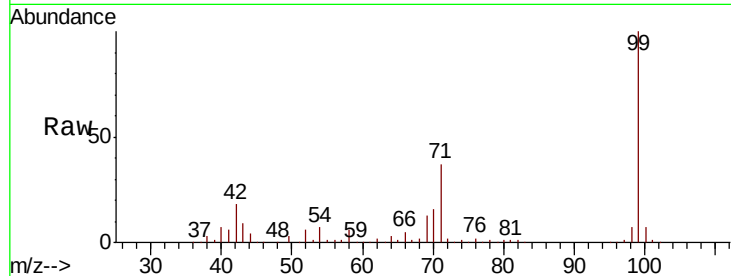
Tgt Ion: 99 Resp: 1110430

Ion Ratio Lower Upper

99 100

42 17.6 14.6 21.8

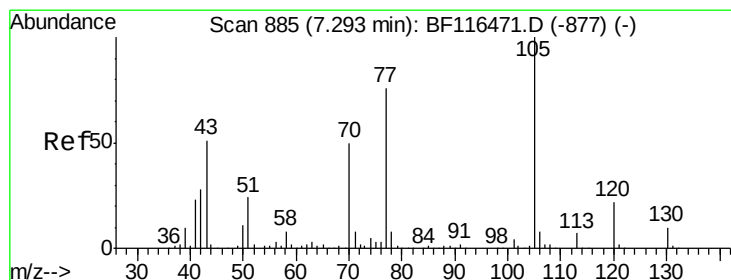
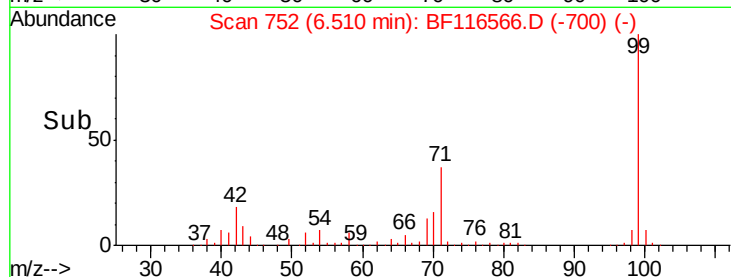
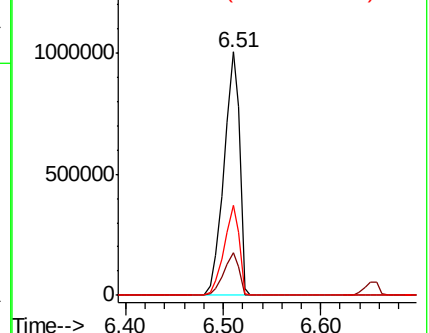
71 36.7 28.5 42.7



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: 12.697 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116566.D

Acq: 26 Aug 2019 11:24

Tgt Ion: 70 Resp: 96434

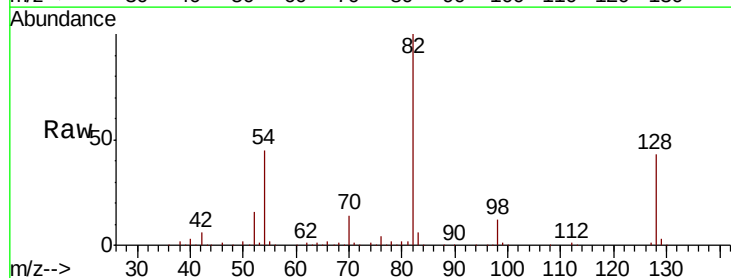
Ion Ratio Lower Upper

70 100

42 43.4 44.4 66.6#

101 0.0 7.1 10.7#

130 2.0 15.8 23.8#

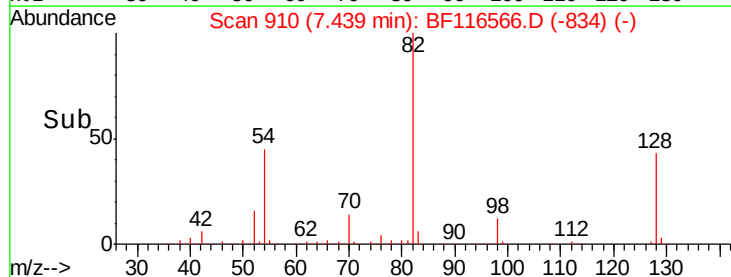
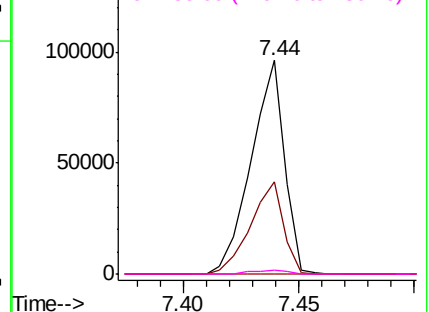


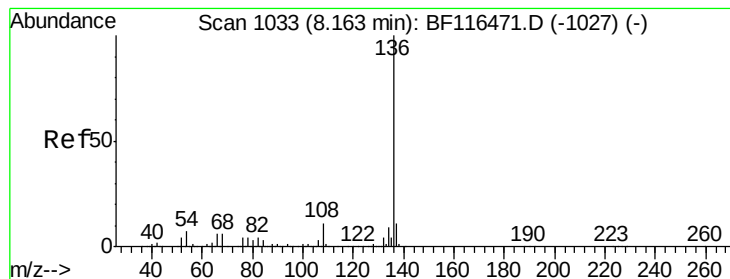
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF116566.D

Acq: 26 Aug 2019 11:24

Instrument :

BNA_F

ClientSampleId :

PB122528BL

Tgt Ion: 136 Resp: 524930

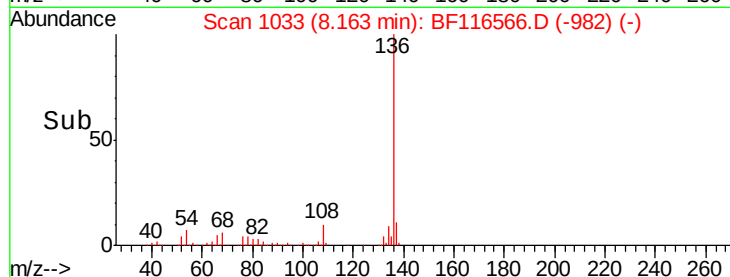
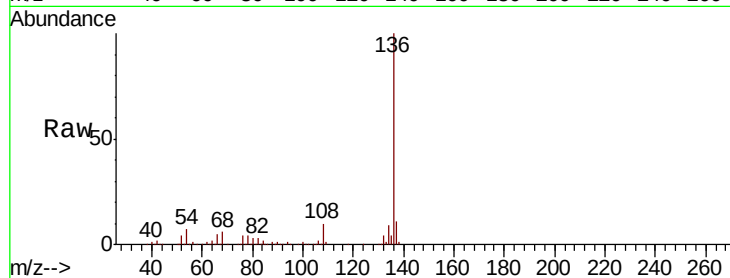
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.7 5.8 8.6

68 5.8 5.1 7.7

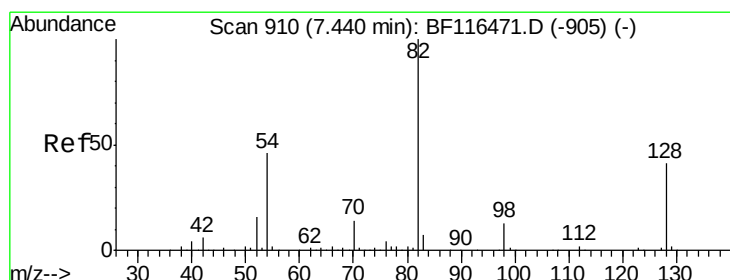
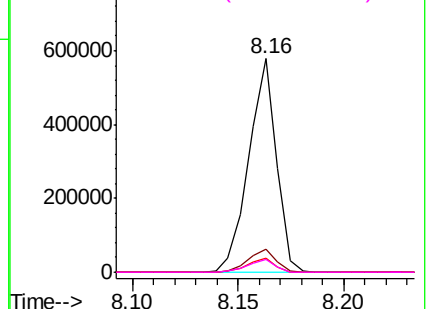


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.939 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF116566.D

Acq: 26 Aug 2019 11:24

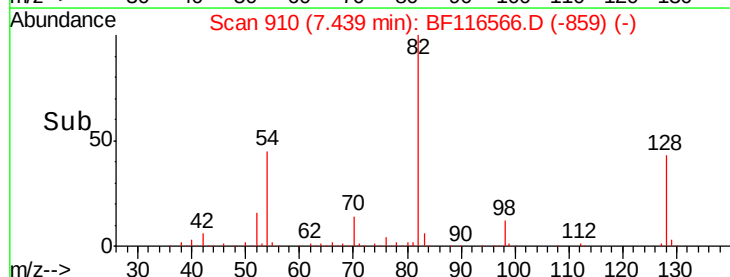
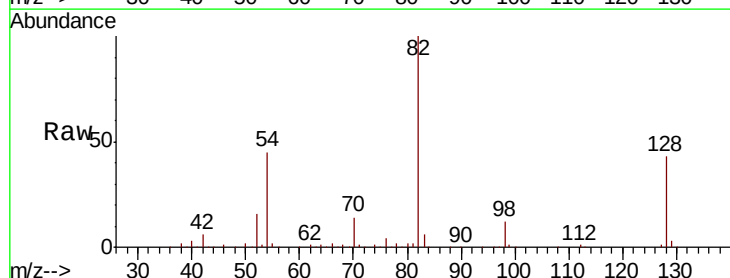
Tgt Ion: 82 Resp: 719026

Ion Ratio Lower Upper

82 100

128 43.4 32.2 48.4

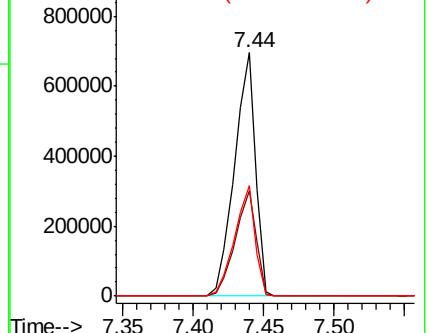
54 45.1 36.5 54.7

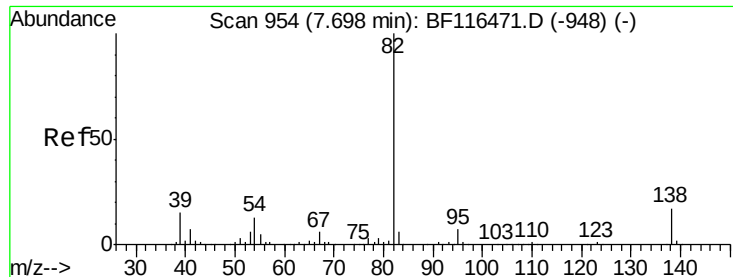


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.895 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116566.D

Acq: 26 Aug 2019 11:24

Instrument :

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ClientSampleId :

PB122528BL

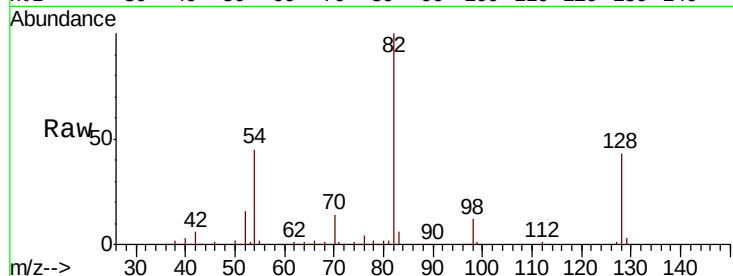
Tgt Ion: 82 Resp: 716529

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

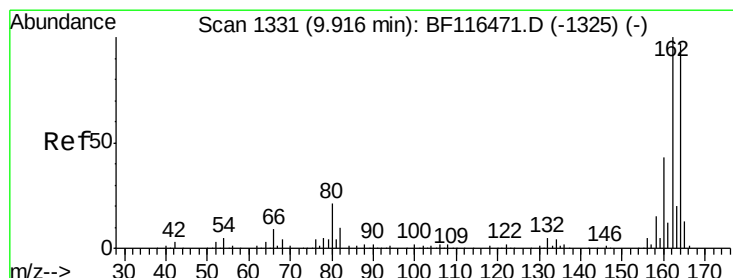
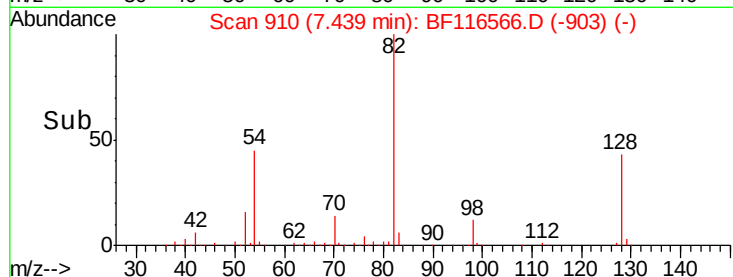
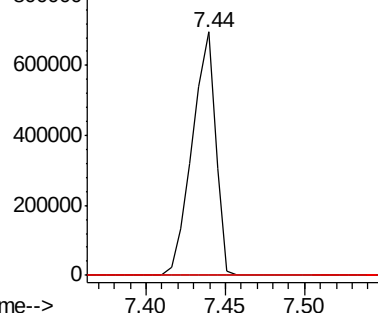
138 0.0 13.3 19.9#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF116566.D

Acq: 26 Aug 2019 11:24

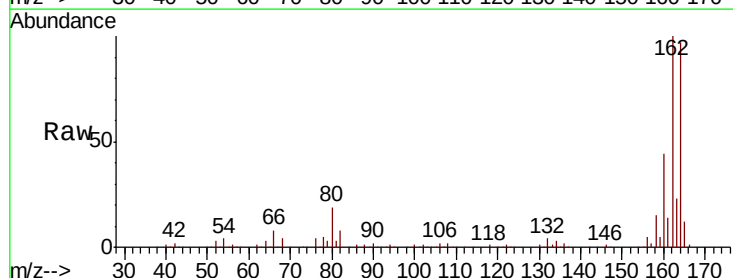
Tgt Ion: 164 Resp: 282042

Ion Ratio Lower Upper

164 100

162 103.1 82.6 123.8

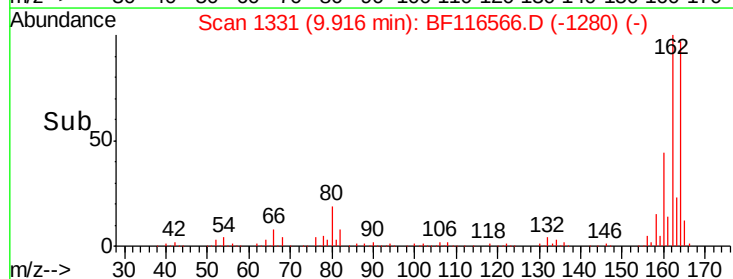
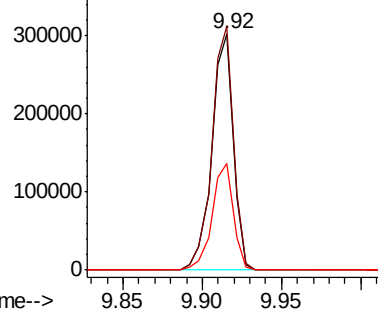
160 45.1 35.8 53.8

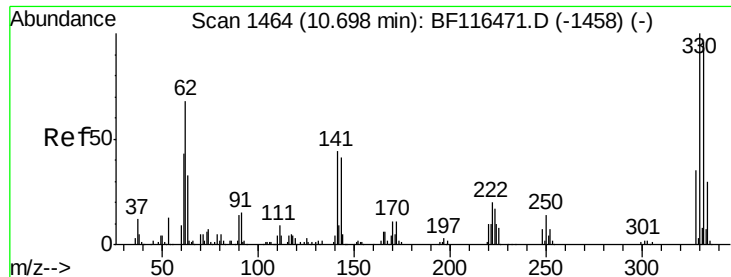


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 118.445 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.01 min

Lab File: BF116566.D

Acq: 26 Aug 2019 11:24

Instrument :

BNA_F

ClientSampleId :

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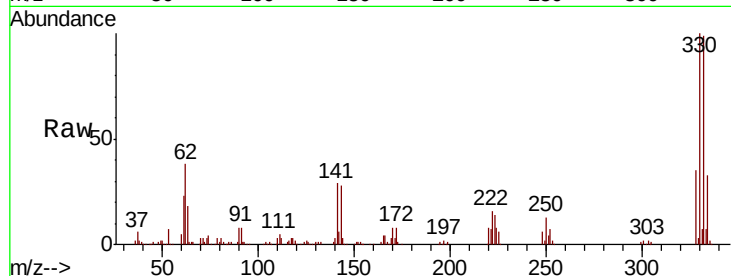
Tgt Ion:330 Resp: 286853

Ion Ratio Lower Upper

330 100

332 96.9 77.2 115.8

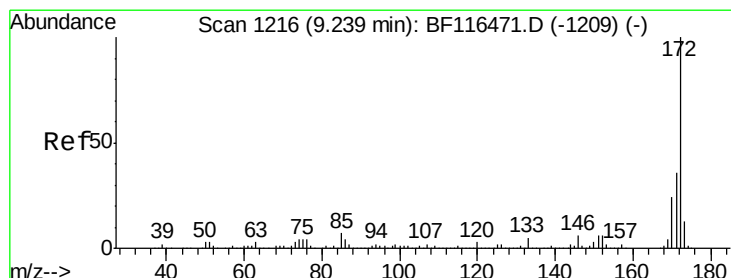
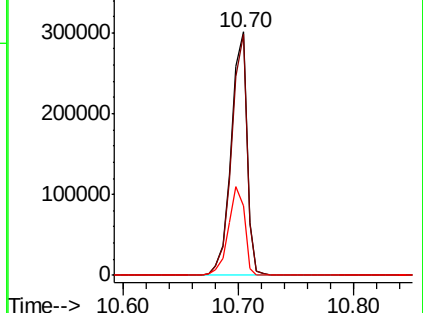
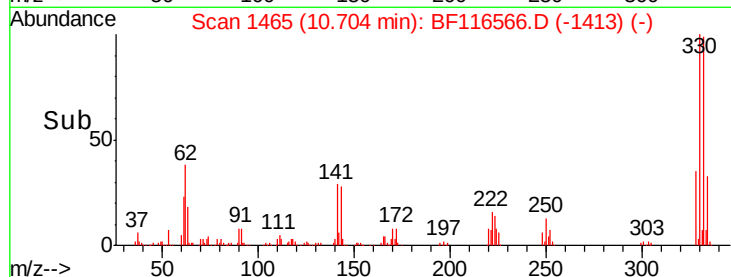
141 37.3 33.3 49.9



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: 75.838 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.00 min

Lab File: BF116566.D

Acq: 26 Aug 2019 11:24

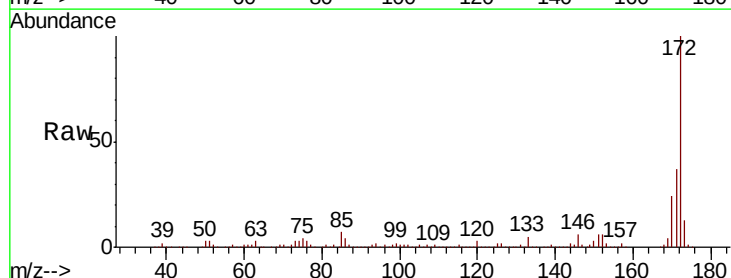
Tgt Ion:172 Resp: 1328212

Ion Ratio Lower Upper

172 100

171 36.7 28.9 43.3

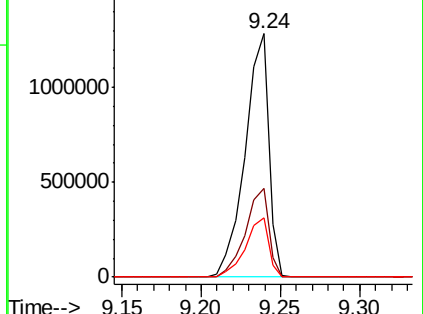
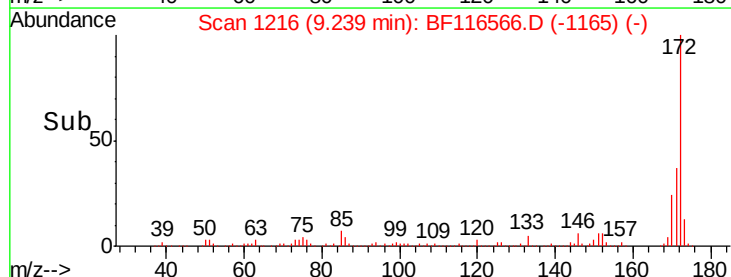
170 24.1 19.4 29.0

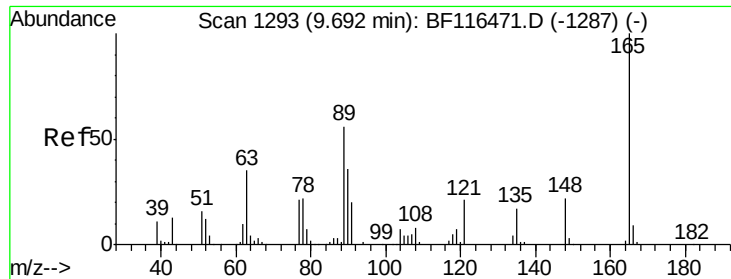


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

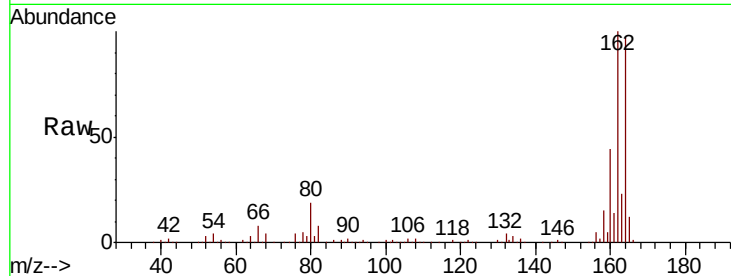




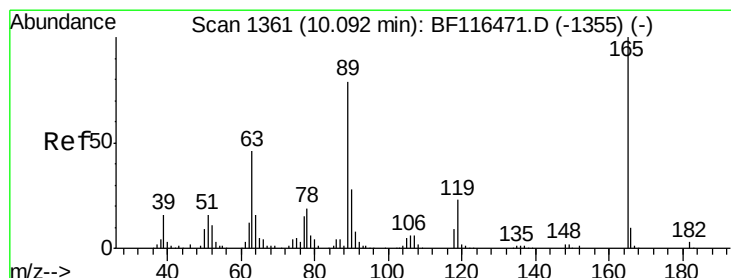
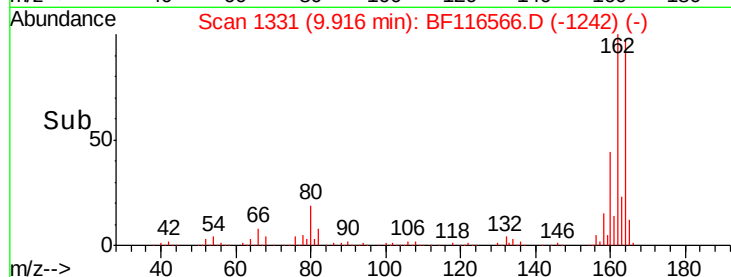
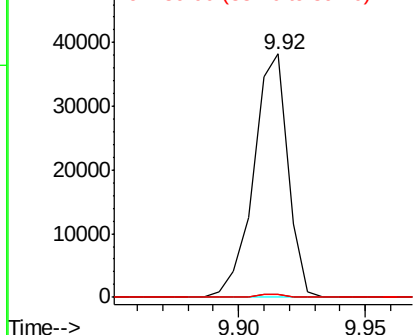
#51
 2,6-Dinitrotoluene
 Concen: 8.995 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.22 min
 Lab File: BF116566.D
 Acq: 26 Aug 2019 11:24

Instrument :
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 PB122528BL

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	43.7	65.5#
89	1.4	45.1	67.7#



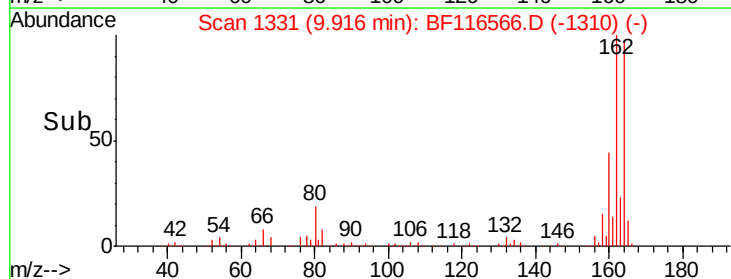
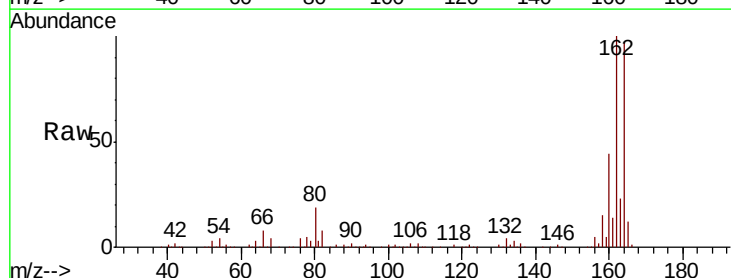
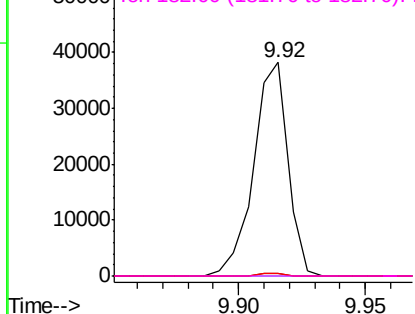
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

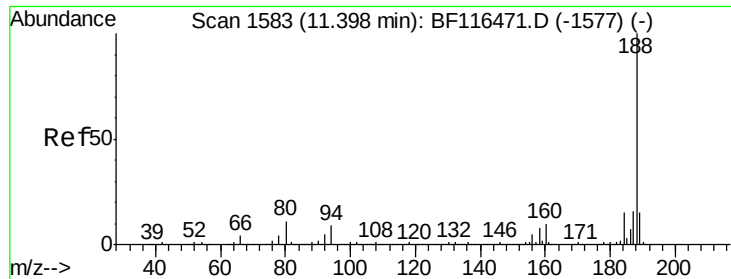


#57
 2,4-Dinitrotoluene
 Concen: 7.069 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.18 min
 Lab File: BF116566.D
 Acq: 26 Aug 2019 11:24

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.9	55.3#
89	1.4	63.4	95.0#
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: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF116566.D

Acq: 26 Aug 2019 11:24

Instrument :

BNA_F

ClientSampleId :

PB122528BL

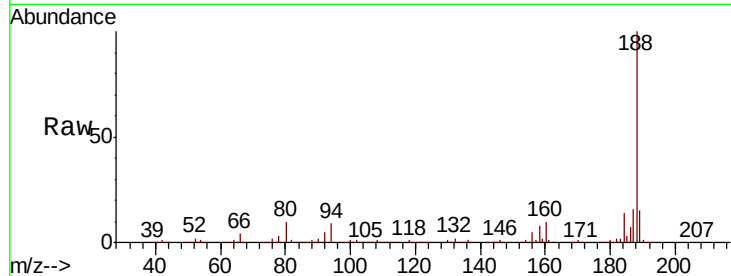
Tgt Ion:188 Resp: 501748

Ion Ratio Lower Upper

188 100

94 9.4 7.4 11.2

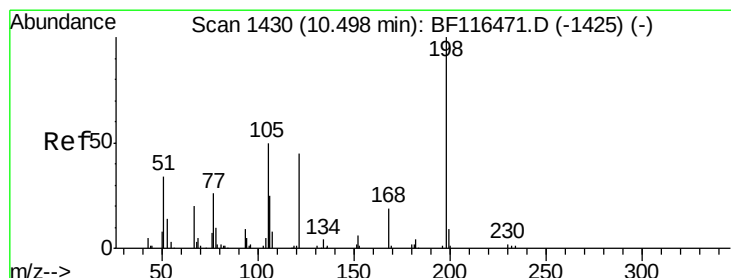
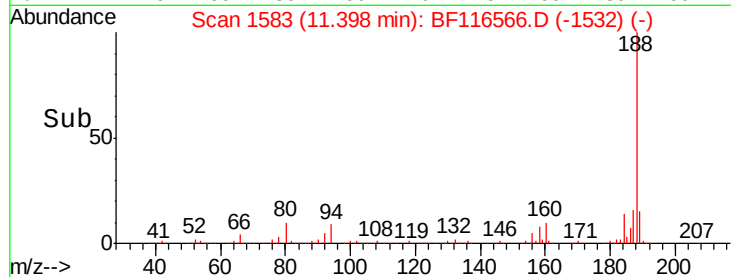
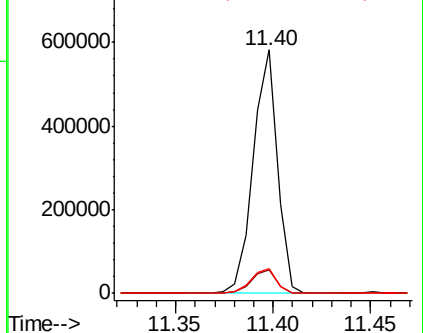
80 10.3 8.6 12.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.261 ng

RT: 10.70 min Scan# 1465

Delta R.T. 0.21 min

Lab File: BF116566.D

Acq: 26 Aug 2019 11:24

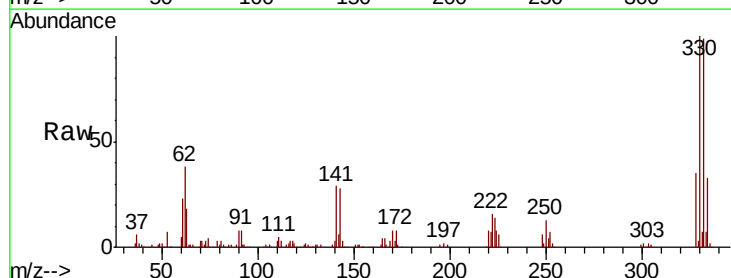
Tgt Ion:198 Resp: 615

Ion Ratio Lower Upper

198 100

51 168.5 30.4 70.4#

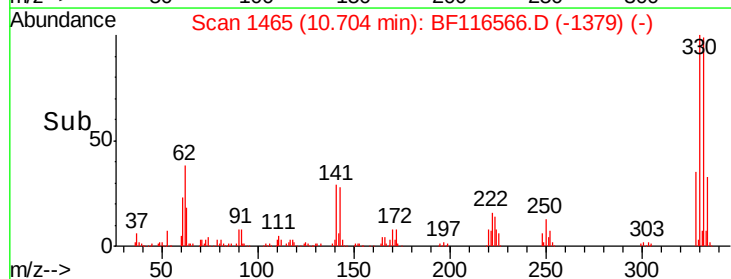
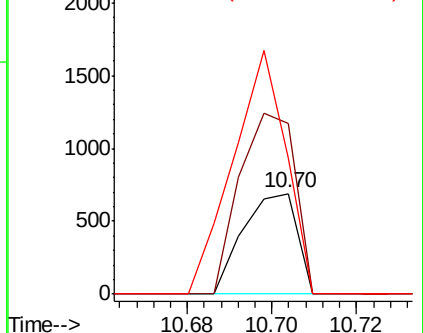
105 134.8 32.8 72.8#

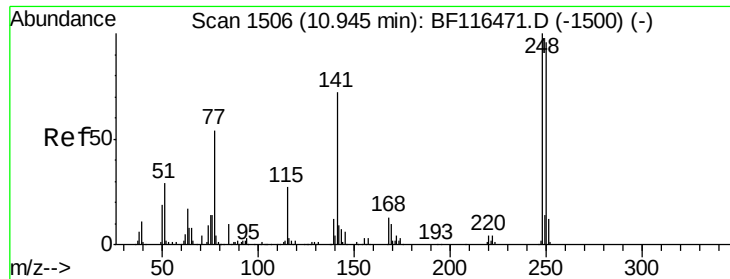


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

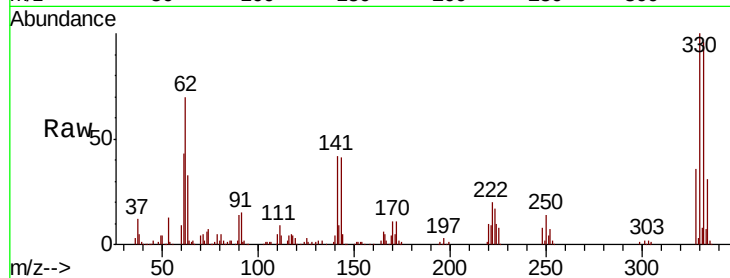




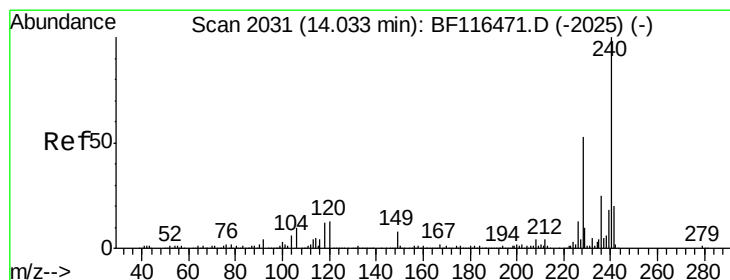
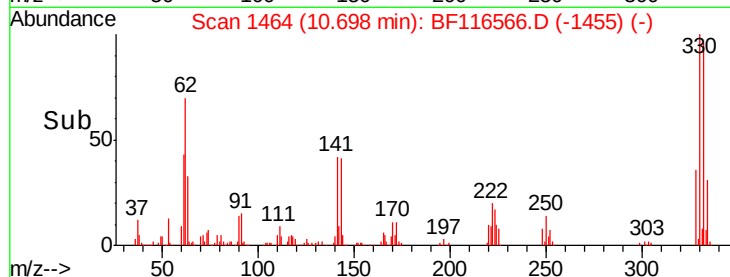
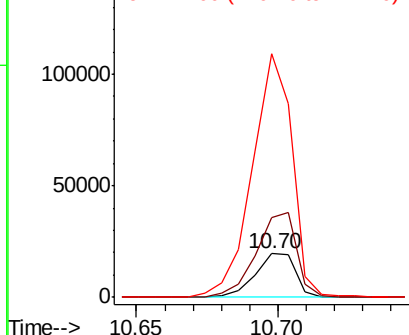
#67
4-Bromophenyl-phenylether
Concen: 3.696 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.25 min
Lab File: BF116566.D
Acq: 26 Aug 2019 11:24

Instrument :
BNA_F
ClientSampled :
PB122528BL

Tgt Ion:248 Resp: 19442
Ion Ratio Lower Upper
248 100
250 181.7 77.0 115.6#
141 557.5 57.4 86.0#

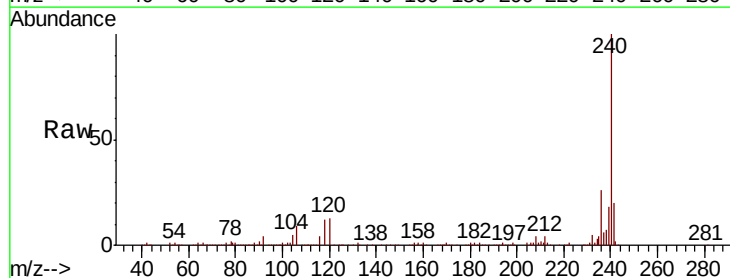


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

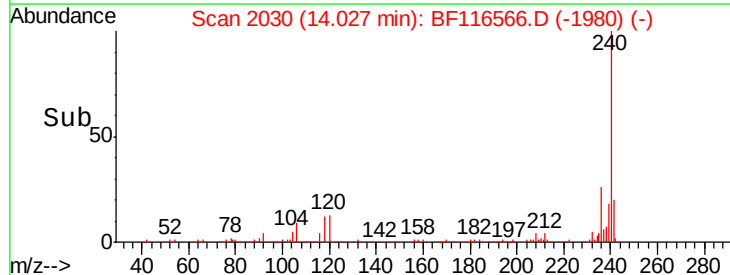
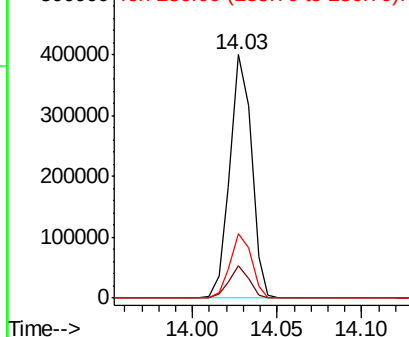


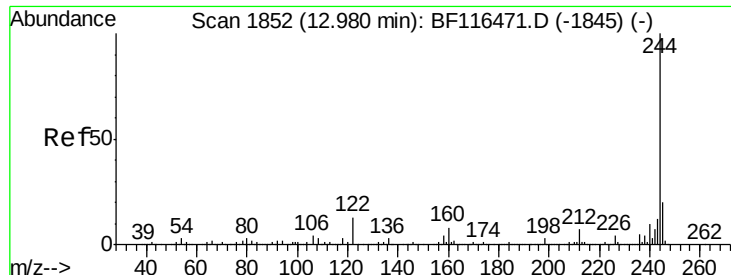
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116566.D
Acq: 26 Aug 2019 11:24

Tgt Ion:240 Resp: 358679
Ion Ratio Lower Upper
240 100
120 13.1 10.5 15.7
236 26.4 20.2 30.2



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





#79

Terphenyl-d14

Concen: 75.755 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.01 min

Lab File: BF116566.D

Acq: 26 Aug 2019 11:24

Instrument :

BNA_F

ClientSampleId :

PB122528BL

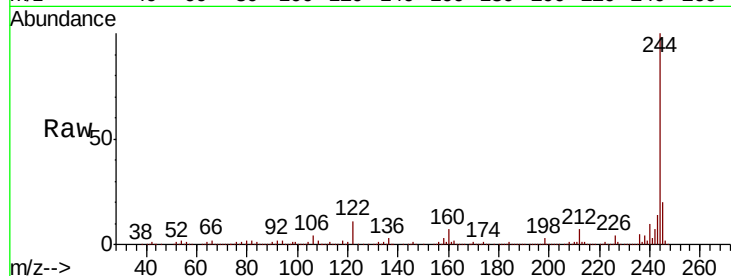
Tgt Ion:244 Resp: 1454670

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

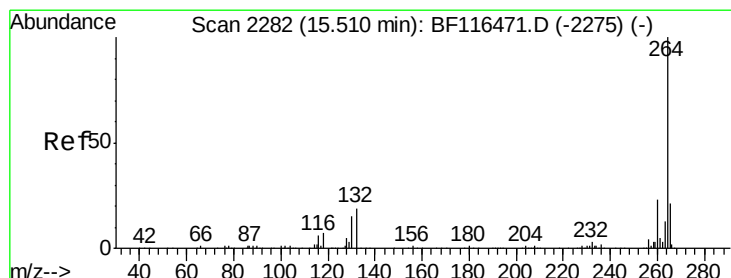
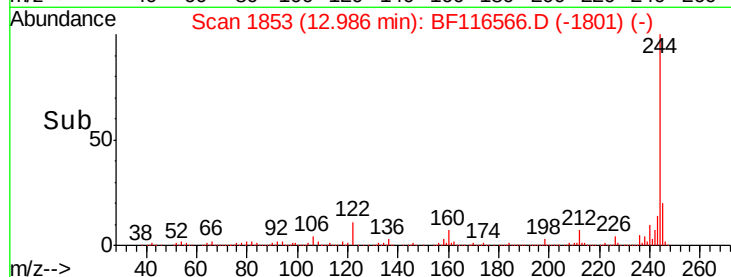
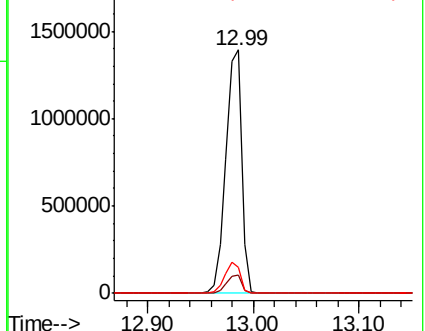
122 10.6 10.2 15.4



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: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF116566.D

Acq: 26 Aug 2019 11:24

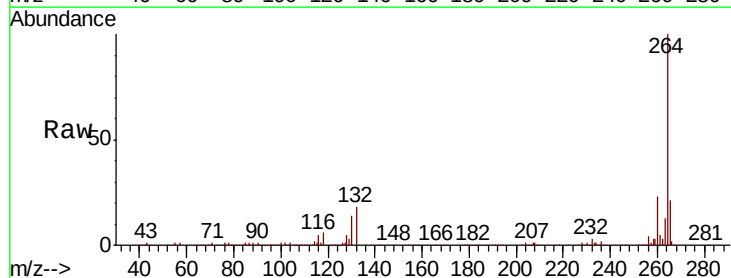
Tgt Ion:264 Resp: 329216

Ion Ratio Lower Upper

264 100

260 23.3 18.8 28.2

265 21.1 17.1 25.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

