

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
 Data File : BF116997.D
 Acq On : 12 Sep 2019 17:36
 Operator : HP/JU
 Sample : K4837-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 13 07:45:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 08:24:39 2019
 Response via : Initial Calibration

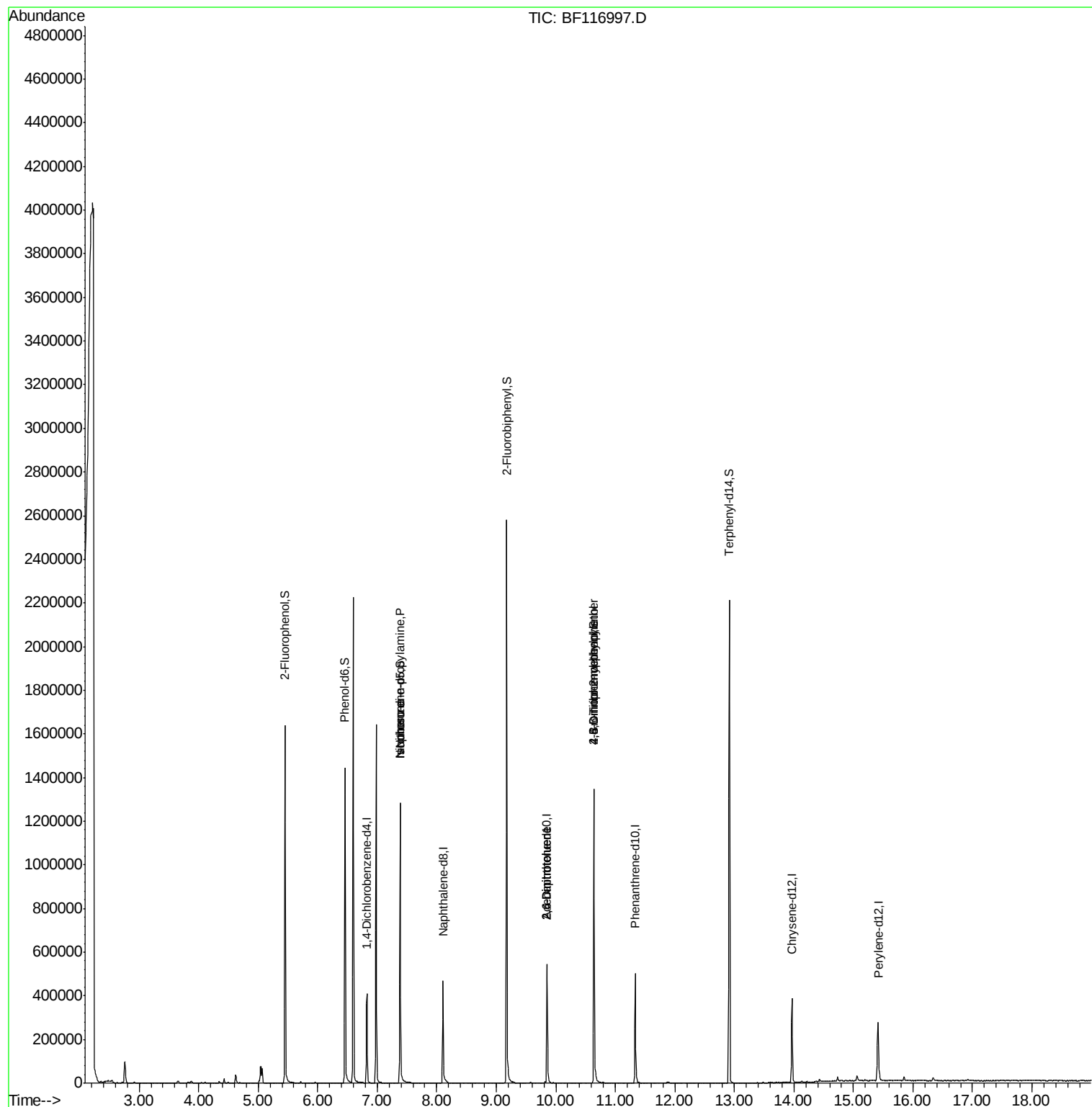
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	63836	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	248474	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	125717	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	210310	20.00	ng	0.00
76) Chrysene-d12	13.97	240	134601	20.00	ng	0.00
87) Perylene-d12	15.42	264	144486	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	489696	124.28	ng	0.01
7) Phenol-d6	6.46	99	586098	113.27	ng	0.00
23) Nitrobenzene-d5	7.39	82	484729	111.37	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	160706	191.22	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	853135	114.48	ng	0.00
79) Terphenyl-d14	12.92	244	750307	103.12	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	63506	18.641	ng	# 79
25) Isophorone	7.39	82	484726	54.959	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	16472	9.947	ng	# 28
57) 2,4-Dinitrotoluene	9.85	165	16472	8.135	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.64	198	433	7.923	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	10605	4.964	ng	# 1

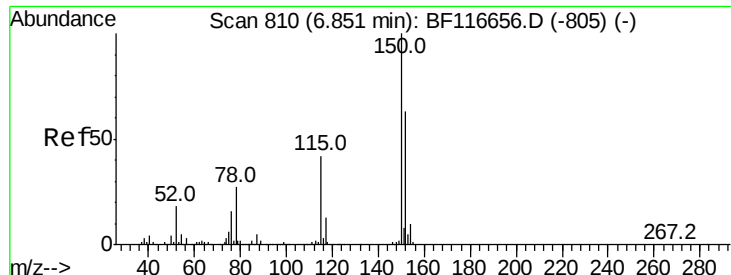
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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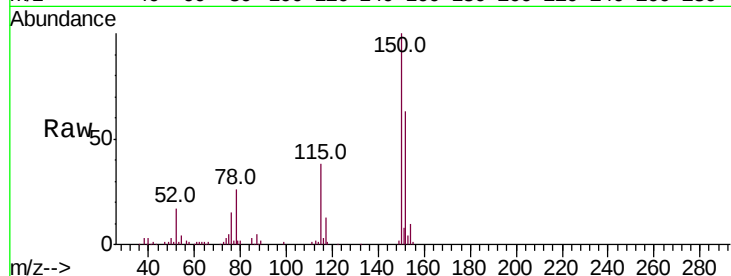


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF116997.D
Acq: 12 Sep 2019 17:36

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	126.2	189.2
115	60.5	50.2	75.2

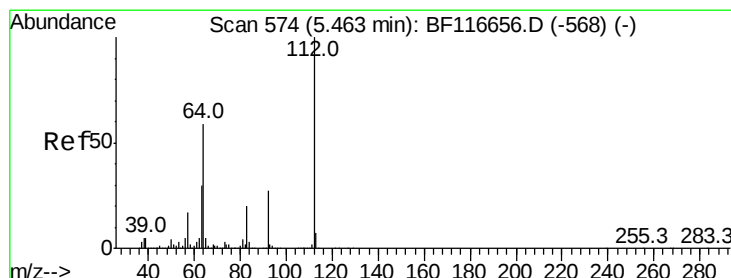
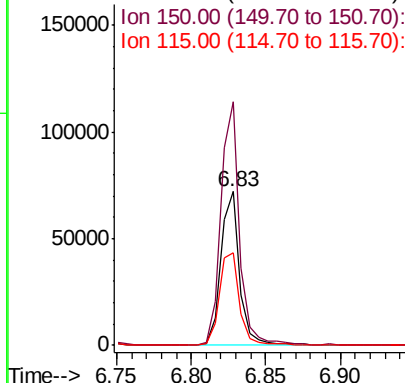
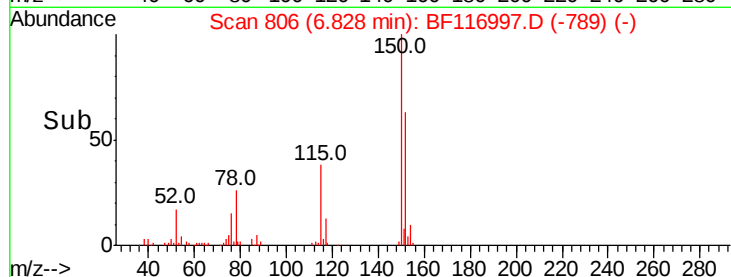


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

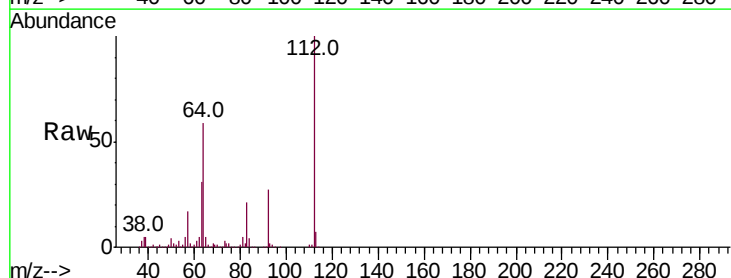
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 124.277 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF116997.D
Acq: 12 Sep 2019 17:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.1	70.7
63	31.4	25.4	38.0

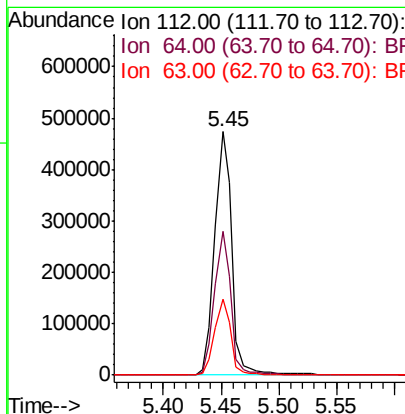
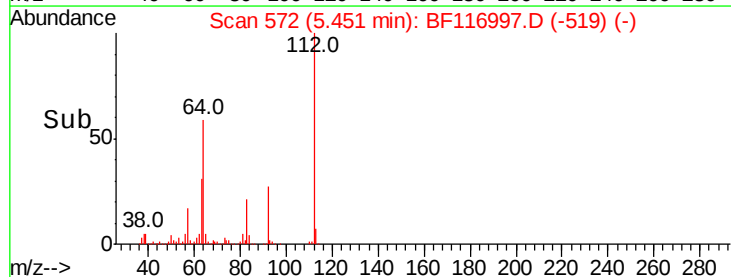


Abundance

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: 113.275 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF116997.D

Acq: 12 Sep 2019 17:36

Instrument :

BNA_F

ClientSampleId :

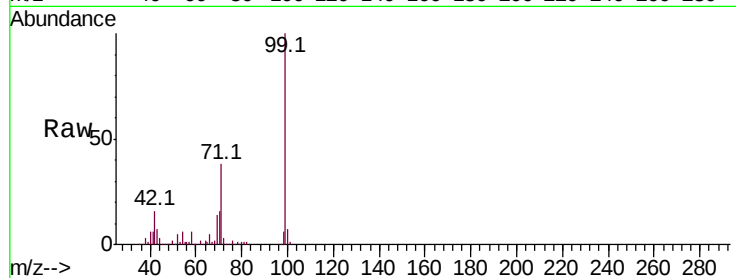
Tot Ion: 99 Resp: 586098

Ion Ratio Lower Upper

99 100

42 15.8 12.0 18.0

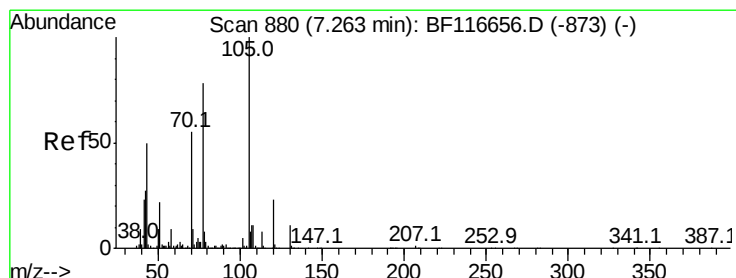
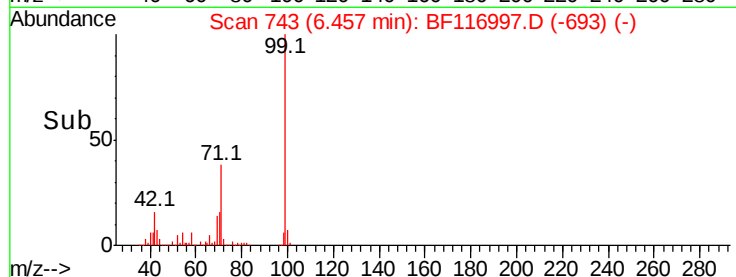
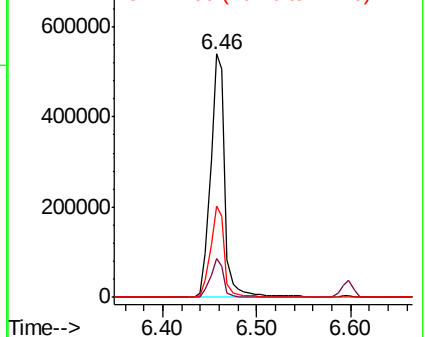
71 37.6 29.7 44.5



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: 18.641 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF116997.D

Acq: 12 Sep 2019 17:36

Tgt Ion: 70 Resp: 63506

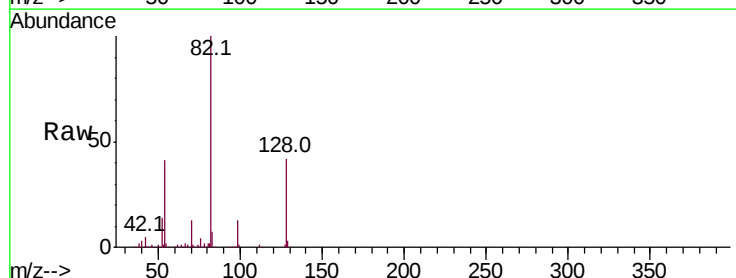
Ion Ratio Lower Upper

70 100

42 38.0 37.0 55.4

101 0.0 7.4 11.2#

130 2.1 16.0 24.0#

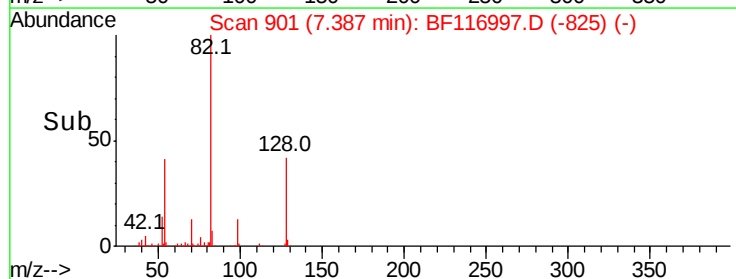
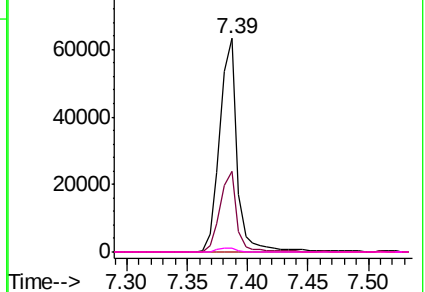


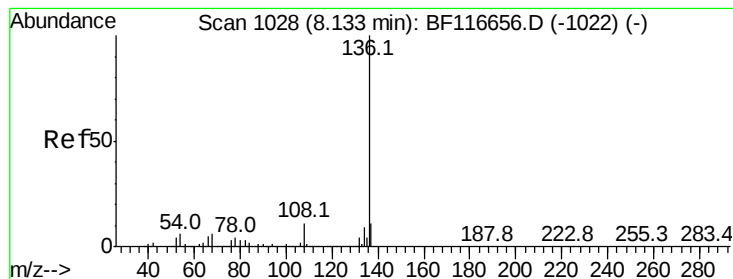
Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1023

Delta R.T. -0.01 min

Lab File: BF116997.D

Acq: 12 Sep 2019 17:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 248474

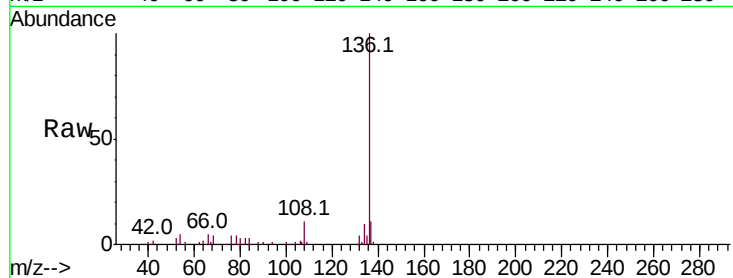
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 5.3 3.8 5.8

68 4.5 3.6 5.4

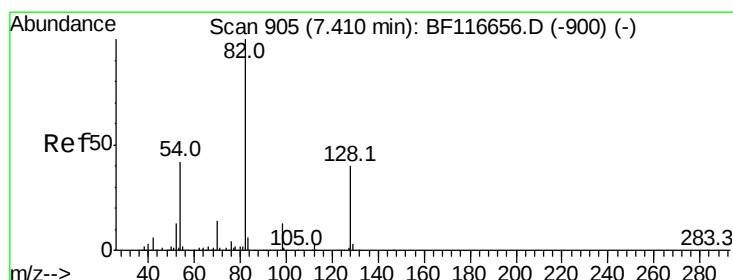
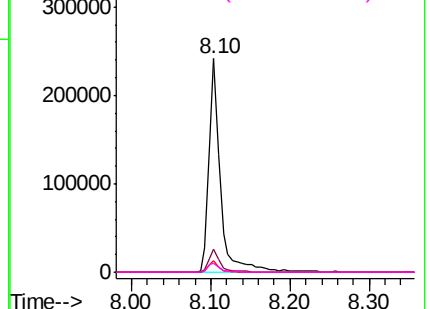
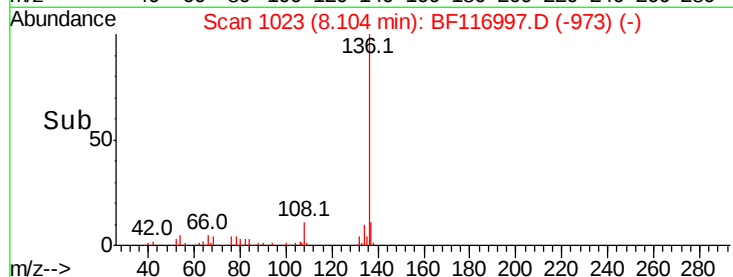


Abundance Ion 136.00 (135.70 to 136.70): E

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: 111.367 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.01 min

Lab File: BF116997.D

Acq: 12 Sep 2019 17:36

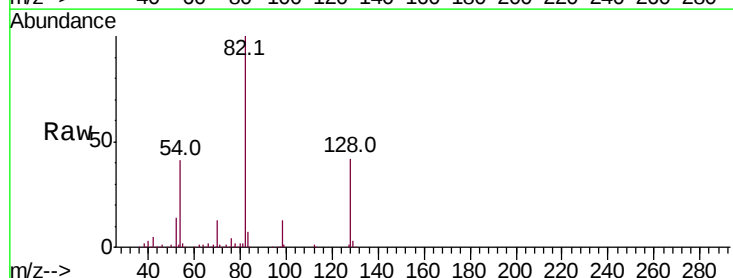
Tgt Ion: 82 Resp: 484729

Ion Ratio Lower Upper

82 100

128 42.3 35.0 52.4

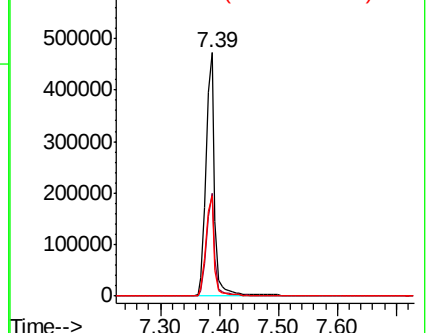
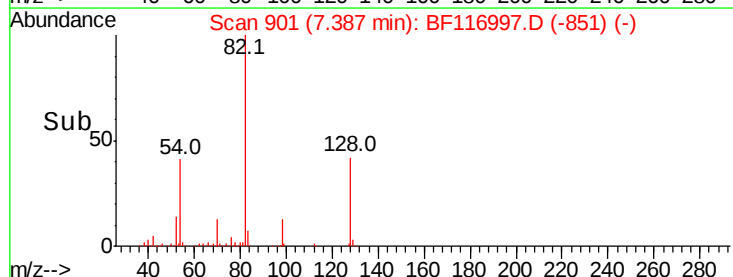
54 41.0 32.6 48.8

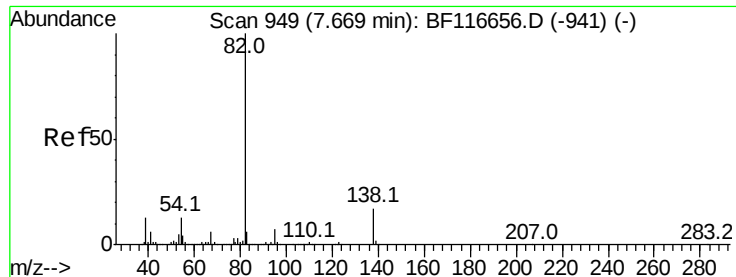


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 54.959 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF116997.D

Acq: 12 Sep 2019 17:36

Instrument :

BNA_F

ClientSampleId :

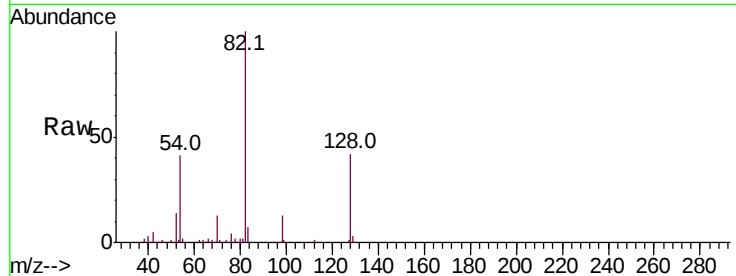
Tot Ion: 82 Resp: 484726

Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 13.4 20.2#



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

600000

500000

400000

300000

200000

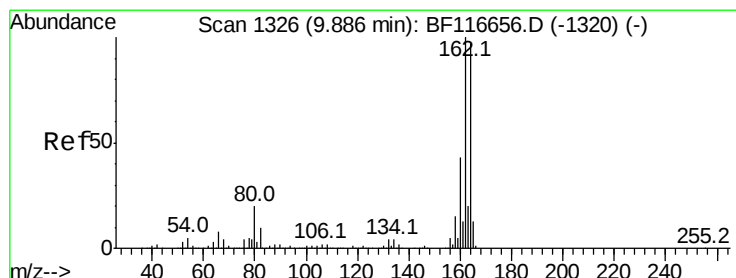
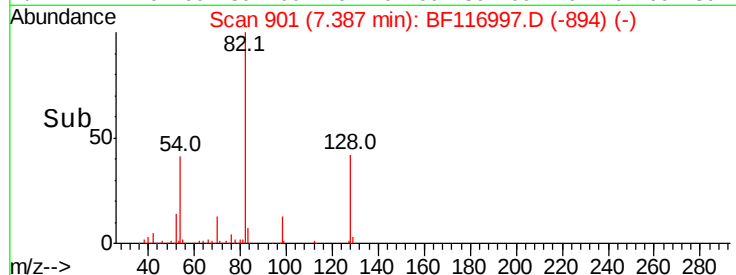
100000

0

7.39

7.30 7.40 7.50 7.60

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF116997.D

Acq: 12 Sep 2019 17:36

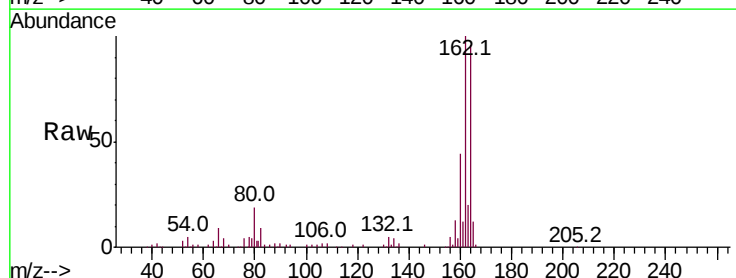
Tgt Ion: 164 Resp: 125717

Ion Ratio Lower Upper

164 100

162 104.3 81.8 122.6

160 46.0 35.7 53.5



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

150000

100000

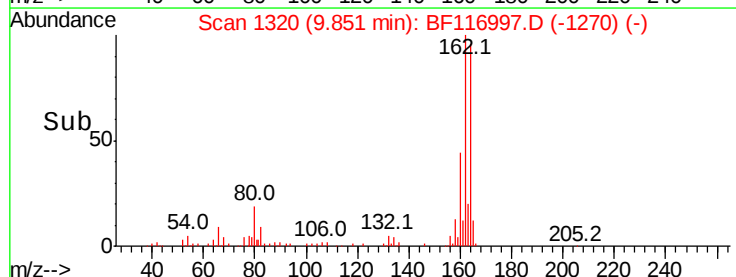
50000

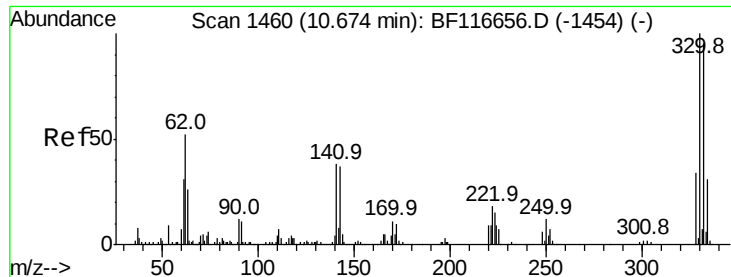
0

9.85

9.80 9.90

Time-->





#42

2,4,6-Tribromophenol

Concen: 191.215 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF116997.D

Acq: 12 Sep 2019 17:36

Instrument :

BNA_F

ClientSampleId :

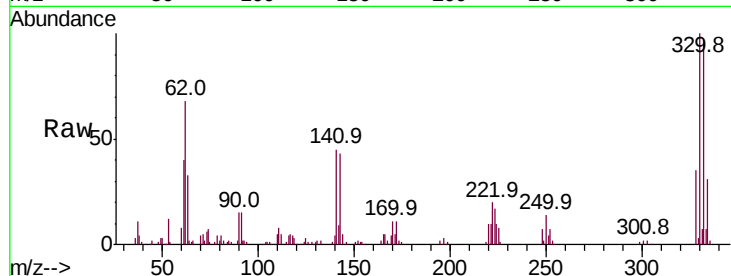
Tot Ion:330 Resp: 160706

Ion Ratio Lower Upper

330 100

332 96.4 75.9 113.9

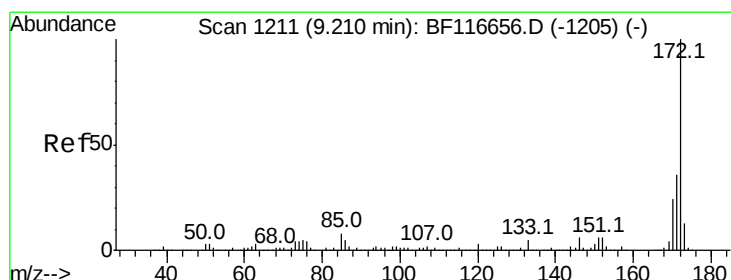
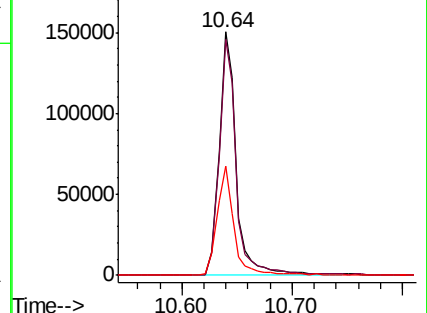
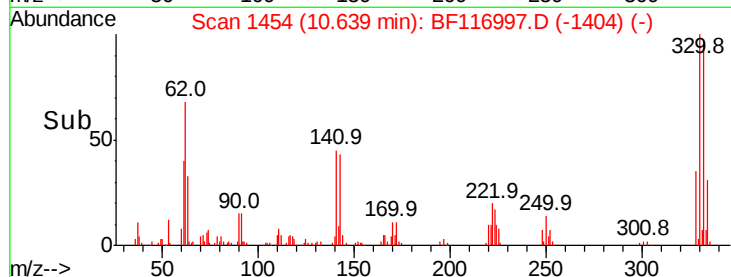
141 44.1 35.6 53.4



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: 114.475 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.01 min

Lab File: BF116997.D

Acq: 12 Sep 2019 17:36

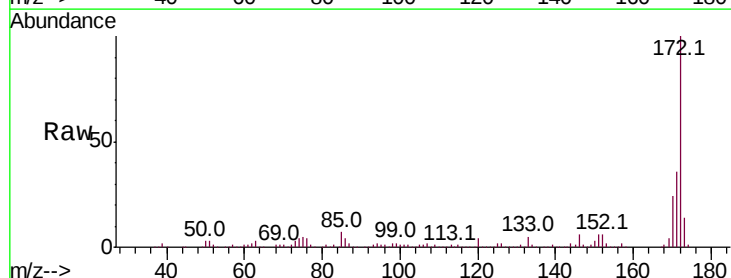
Tgt Ion:172 Resp: 853135

Ion Ratio Lower Upper

172 100

171 35.9 29.1 43.7

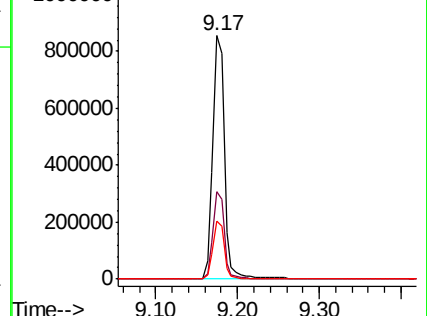
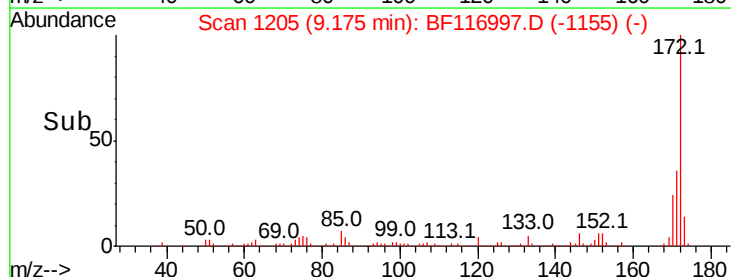
170 23.7 19.2 28.8

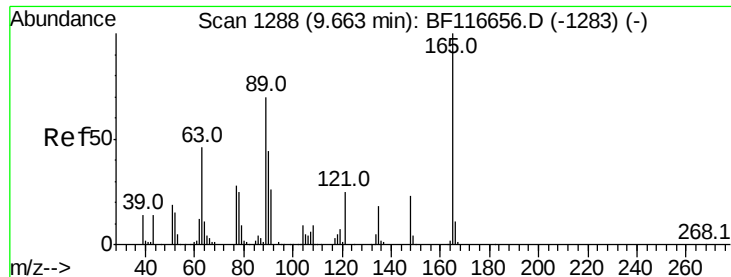


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 9.947 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF116997.D

Acq: 12 Sep 2019 17:36

Instrument :

BNA_F

ClientSampleId :

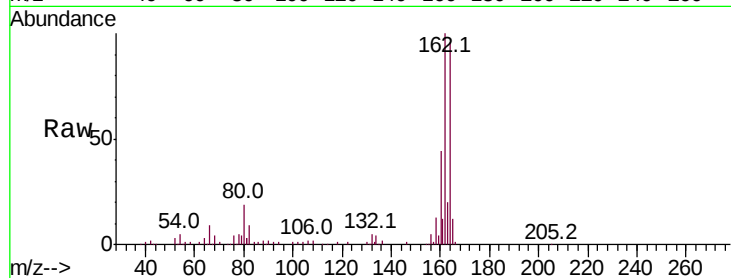
Tot Ion:165 Resp: 16472

Ion Ratio Lower Upper

165 100

63 0.0 38.0 57.0#

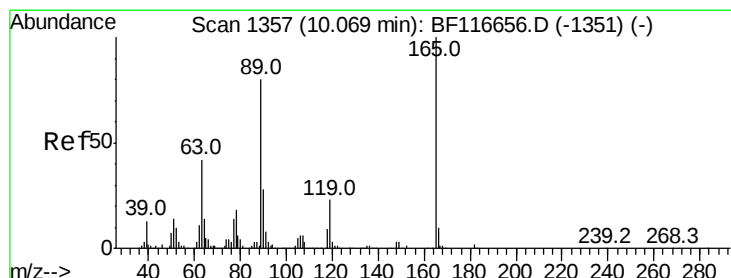
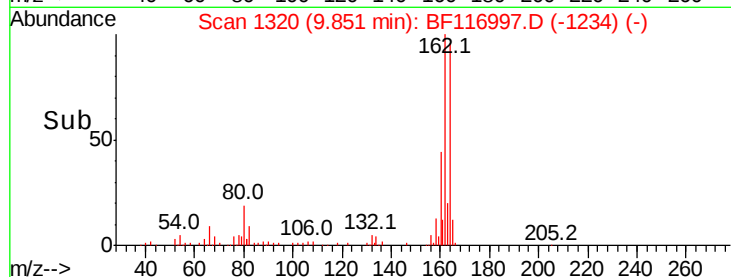
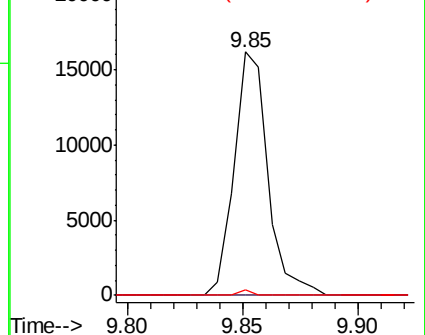
89 2.3 44.1 66.1#



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



#57

2,4-Dinitrotoluene

Concen: 8.135 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF116997.D

Acq: 12 Sep 2019 17:36

Tgt Ion:165 Resp: 16472

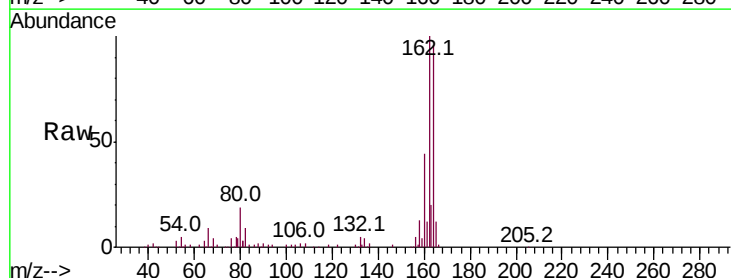
Ion Ratio Lower Upper

165 100

63 0.0 36.2 54.2#

89 2.3 66.1 99.1#

182 0.0 1.8 2.8#

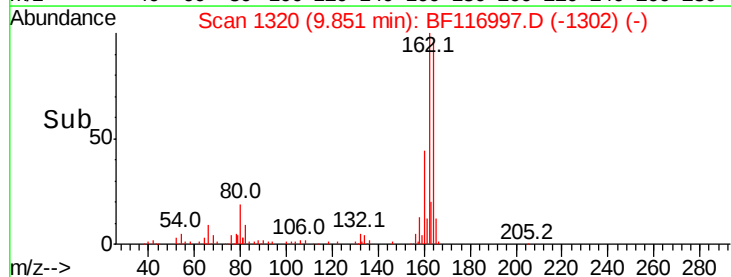
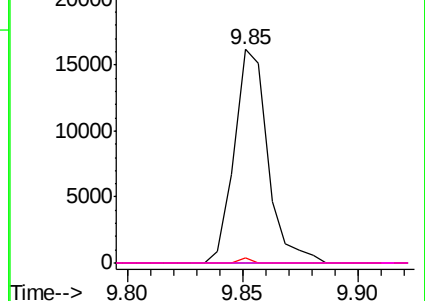


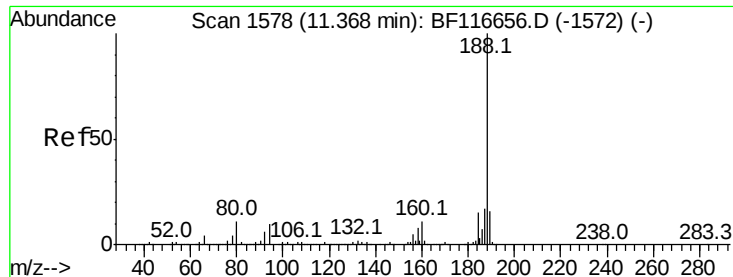
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BF116997.D

Acq: 12 Sep 2019 17:36

Instrument :

BNA_F

ClientSampleId :

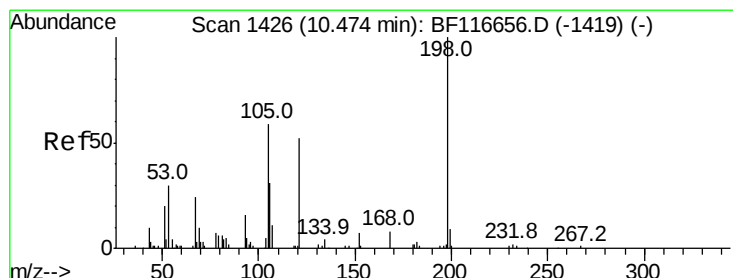
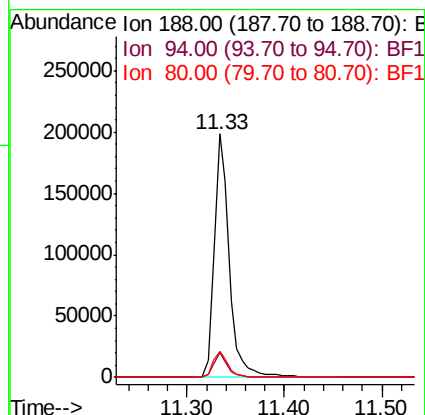
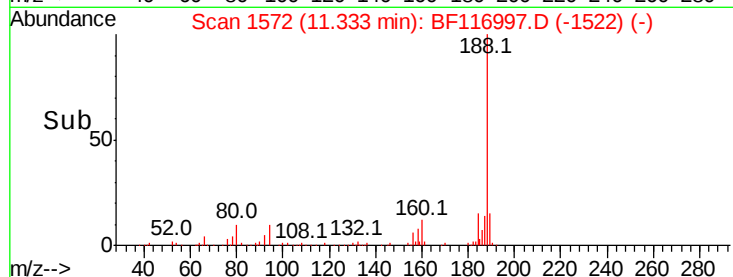
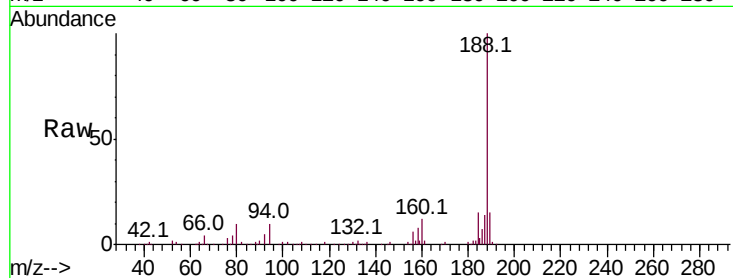
Tot Ion:188 Resp: 210310

Ion Ratio Lower Upper

188 100

94 10.0 7.4 11.2

80 10.5 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 7.923 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF116997.D

Acq: 12 Sep 2019 17:36

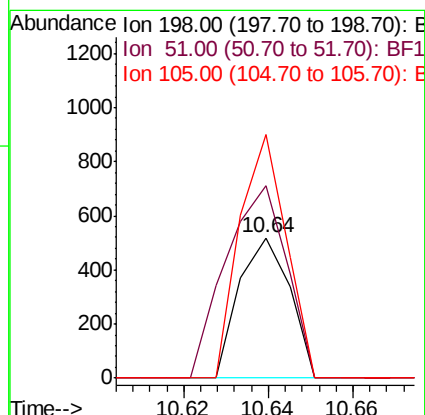
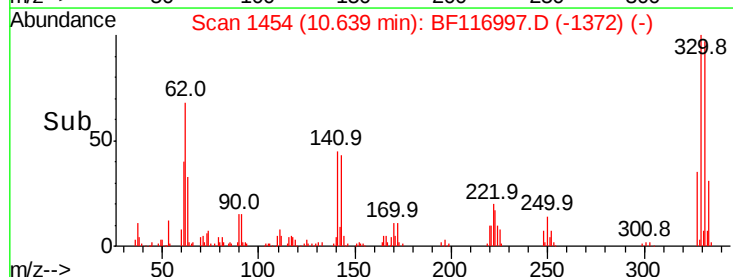
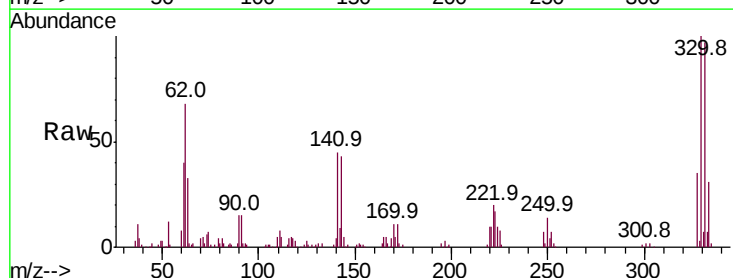
Tgt Ion:198 Resp: 433

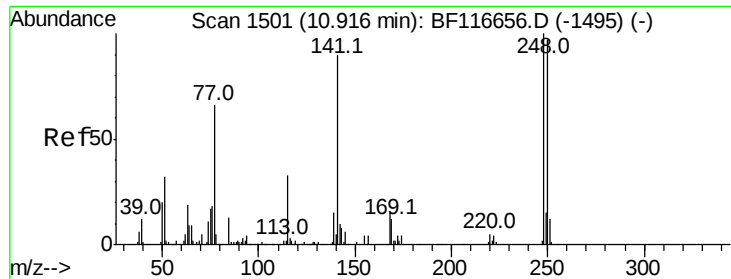
Ion Ratio Lower Upper

198 100

51 137.0 26.3 66.3#

105 173.4 40.0 80.0#

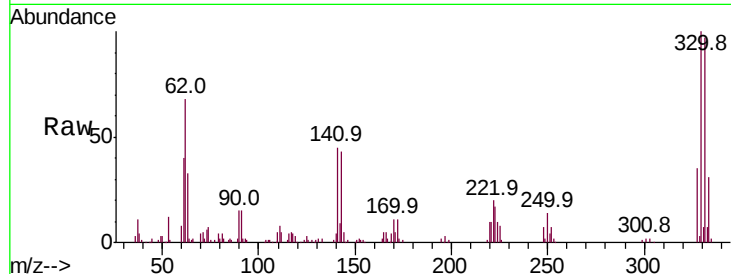




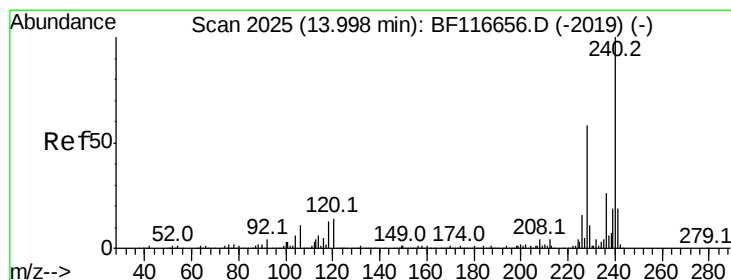
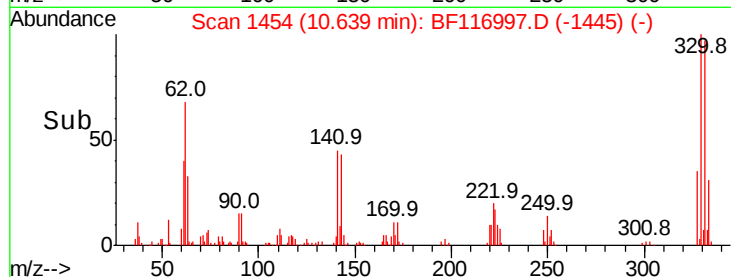
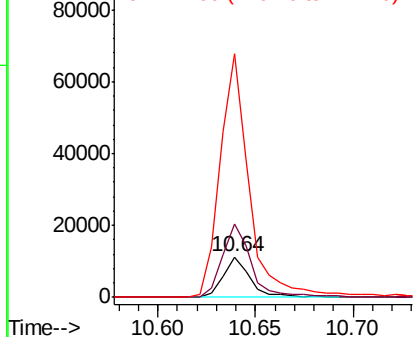
#67
4-Bromophenyl-phenylether
Concen: 4.964 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.25 min
Lab File: BF116997.D
Acq: 12 Sep 2019 17:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10605
Ion Ratio Lower Upper
248 100
250 183.5 77.0 115.4#
141 603.9 70.2 105.2#

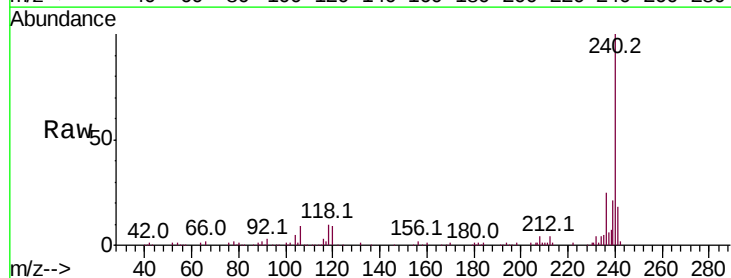


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

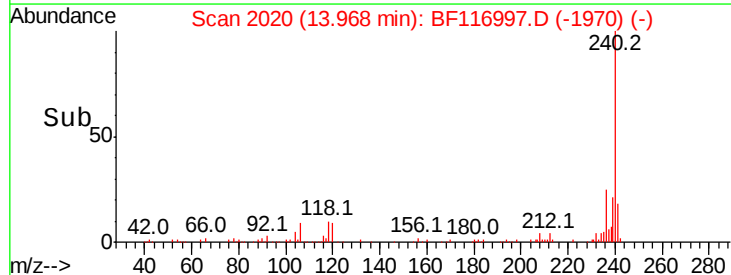
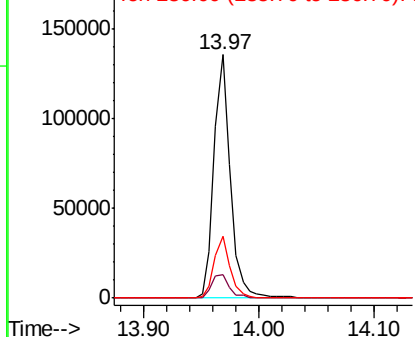


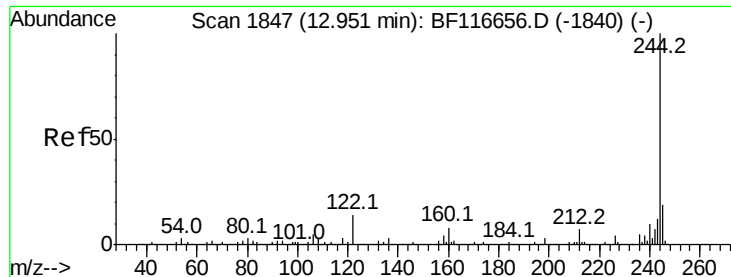
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF116997.D
Acq: 12 Sep 2019 17:36

Tgt Ion:240 Resp: 134601
Ion Ratio Lower Upper
240 100
120 9.4 9.1 13.7
236 25.5 20.9 31.3



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: 103.121 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF116997.D

Acq: 12 Sep 2019 17:36

Instrument :

BNA_F

ClientSampleId :

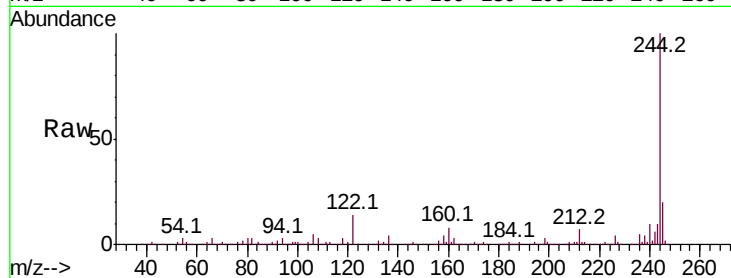
Tot Ion:244 Resp: 750307

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

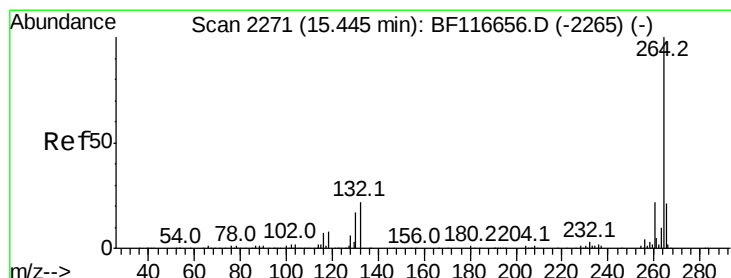
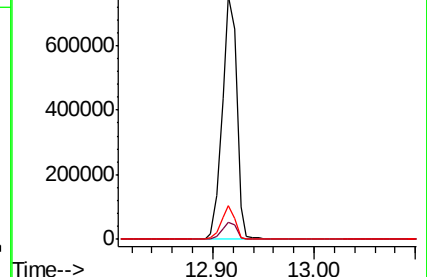
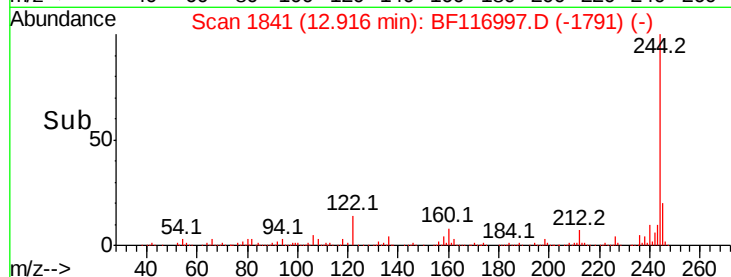
122 13.7 11.5 17.3



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: 15.42 min Scan# 2266

Delta R.T. 0.00 min

Lab File: BF116997.D

Acq: 12 Sep 2019 17:36

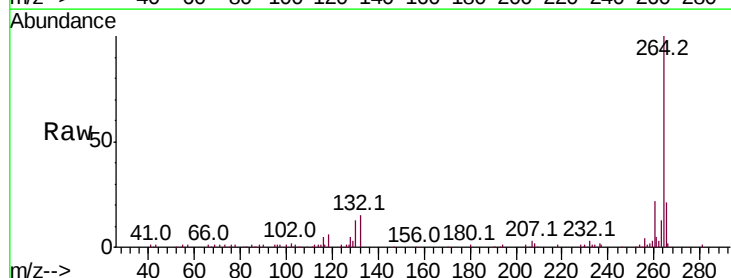
Tgt Ion:264 Resp: 144486

Ion Ratio Lower Upper

264 100

260 22.3 19.0 28.4

265 21.1 17.9 26.9



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

