

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042220\
 Data File : BF120137.D
 Acq On : 22 Apr 2020 17:59
 Operator : MA/SJ
 Sample : L2353-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-240

Quant Time: Apr 22 18:40:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 11:49:00 2020
 Response via : Initial Calibration

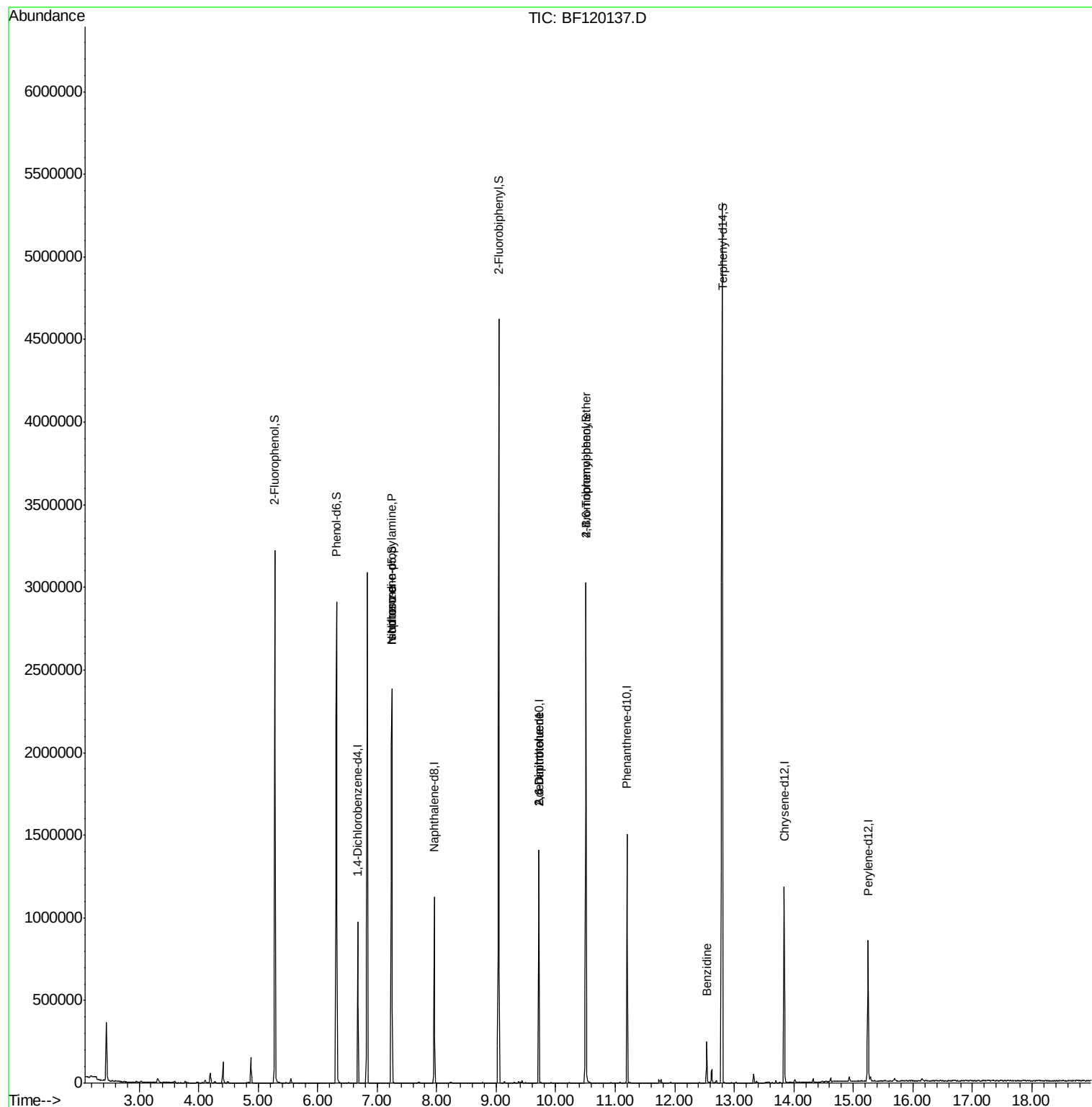
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	132250	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	508943	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	258106	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	513790	20.00	ng	0.00
76) Chrysene-d12	13.84	240	411964	20.00	ng	-0.01
87) Perylene-d12	15.24	264	354122	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	829475	108.39	ng	0.00
7) Phenol-d6	6.32	99	952547	96.60	ng	-0.01
23) Nitrobenzene-d5	7.25	82	776796	78.96	ng	0.00
42) 2,4,6-Tribromophenol	10.51	330	391326	123.83	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	1566241	86.16	ng	0.00
79) Terphenyl-d14	12.80	244	2072298	84.64	ng	0.00
Target Compounds						
9) Benzaldehyde	6.32	77	1196	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.25	70	100792	15.896	ng	# 76
25) Isophorone	7.25	82	776279	40.934	ng	# 65
51) 2,6-Dinitrotoluene	9.72	165	32496	7.433	ng	# 26
57) 2,4-Dinitrotoluene	9.72	165	32496	5.642	ng	# 20
67) 4-Bromophenyl-phenylether	10.51	248	23949	3.748	ng	# 1
77) Benizidine	12.53	184	88550	6.359	ng	97

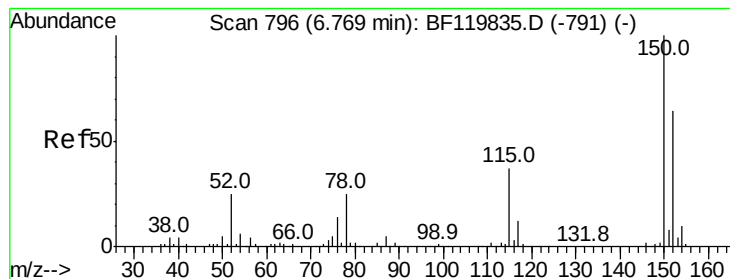
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 22 11:49:00 2020
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.67 min Scan# 780

Delta R.T. -0.01 min

Lab File: BF120137.D

Acq: 22 Apr 2020 17:59

Instrument :

BNA_F

ClientSampleId :

VNJ-240

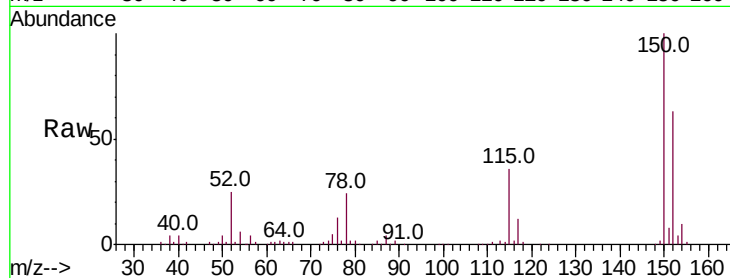
Tot Ion:152 Resp: 132250

Ion Ratio Lower Upper

152 100

150 158.9 124.5 186.7

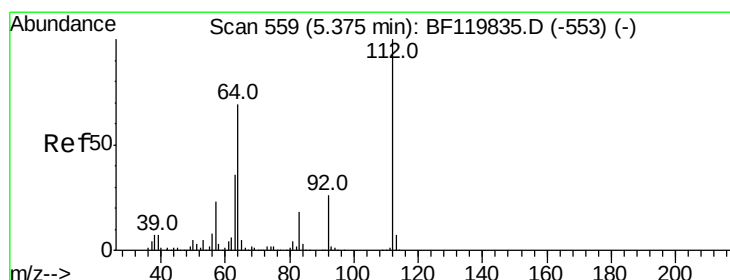
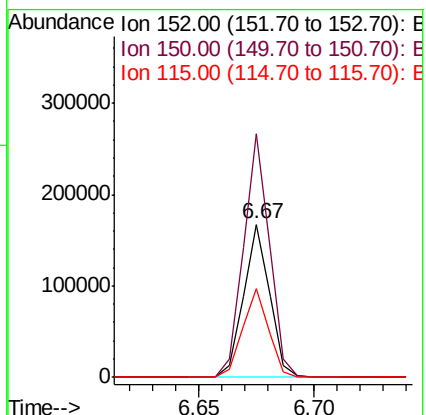
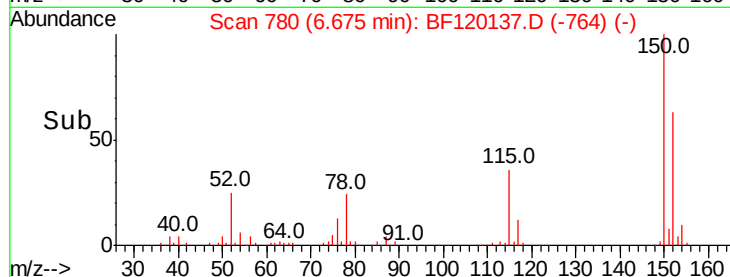
115 57.6 49.6 74.4



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: 108.392 ng

RT: 5.28 min Scan# 543

Delta R.T. 0.00 min

Lab File: BF120137.D

Acq: 22 Apr 2020 17:59

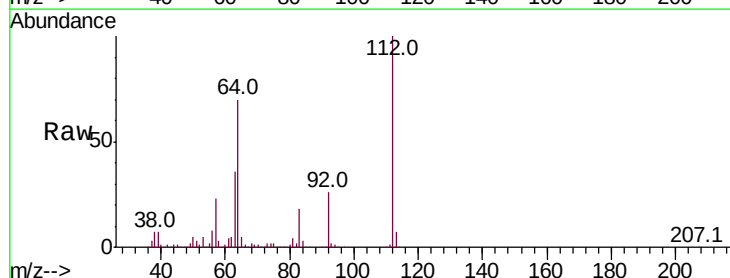
Tgt Ion:112 Resp: 829475

Ion Ratio Lower Upper

112 100

64 69.6 56.7 85.1

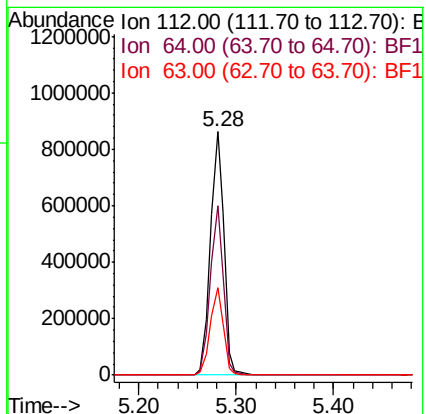
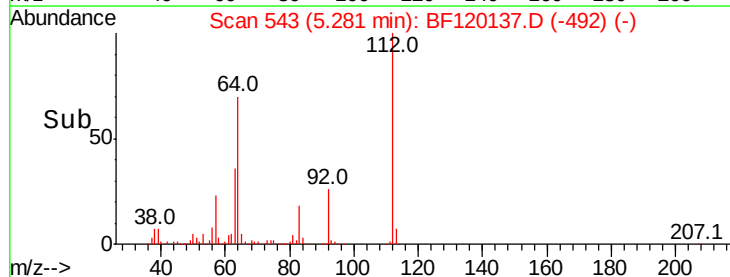
63 36.2 29.5 44.3

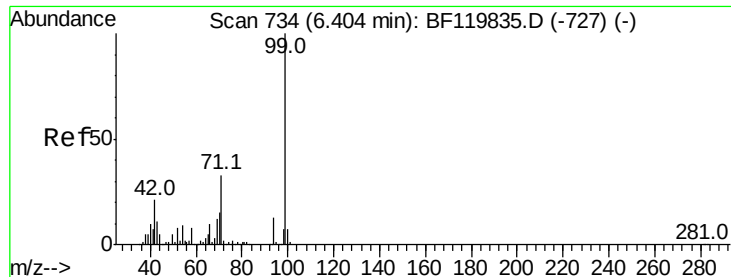


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 96.601 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF120137.D

Acq: 22 Apr 2020 17:59

Instrument :

BNA_F

ClientSampleId :

VNJ-240

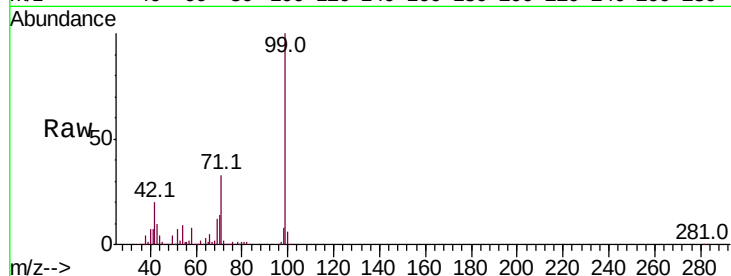
Tot Ion: 99 Resp: 952547

Ion Ratio Lower Upper

99 100

42 19.8 16.6 24.8

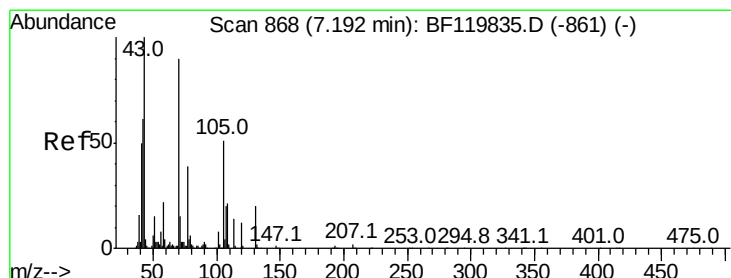
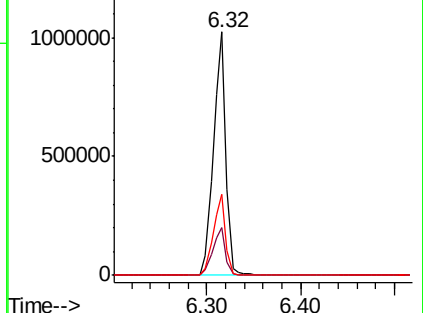
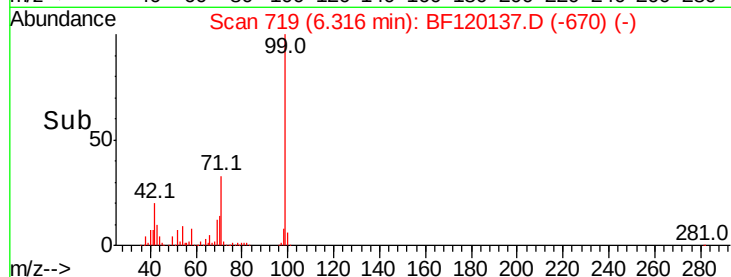
71 33.1 26.4 39.6



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: 15.896 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF120137.D

Acq: 22 Apr 2020 17:59

Tgt Ion: 70 Resp: 100792

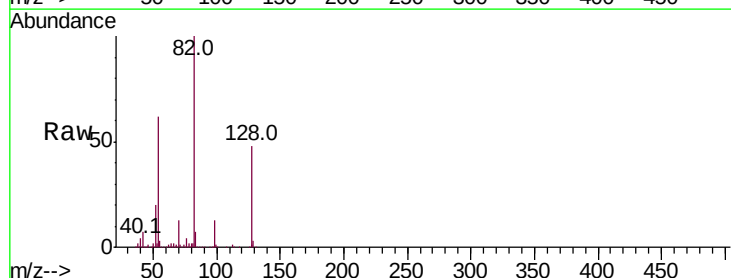
Ion Ratio Lower Upper

70 100

42 54.0 54.5 81.7#

101 0.0 7.6 11.4#

130 1.9 17.6 26.4#

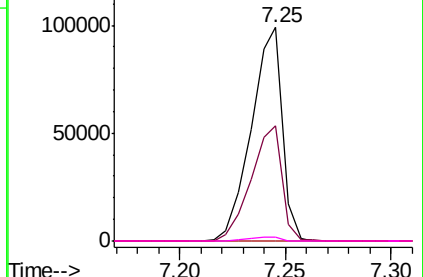
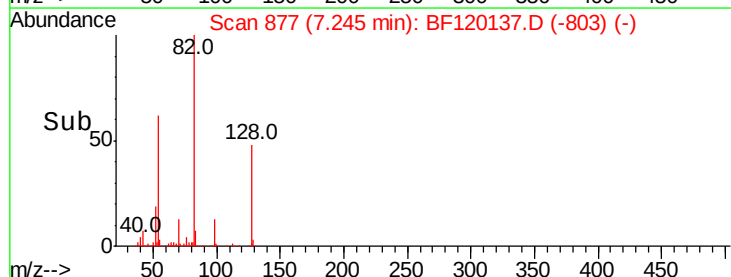


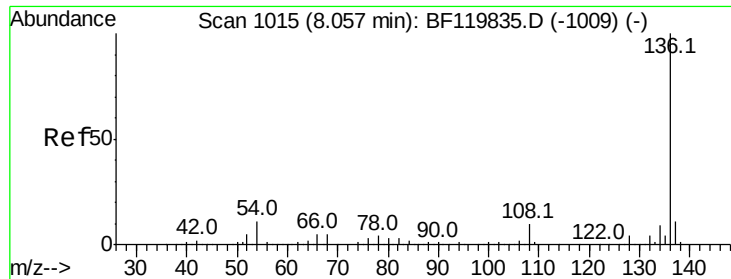
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

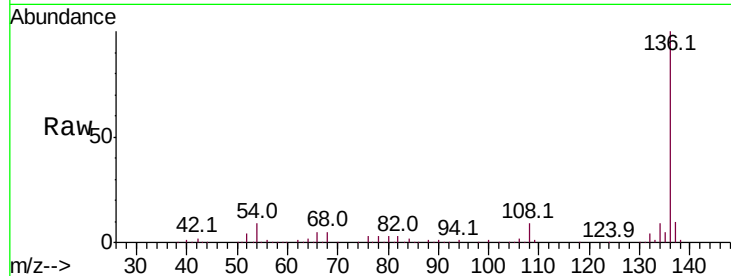




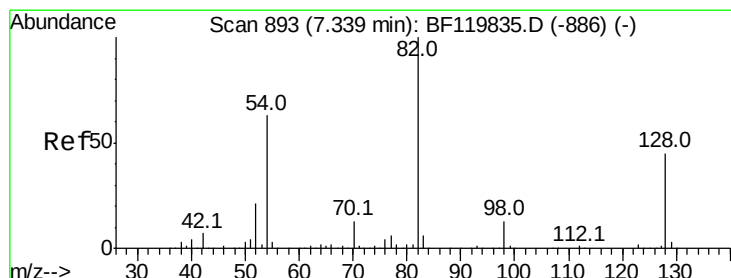
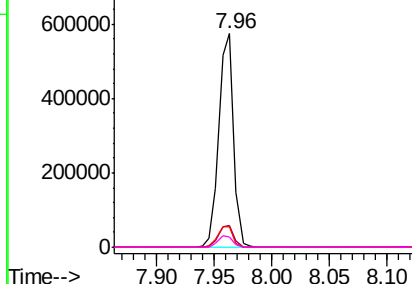
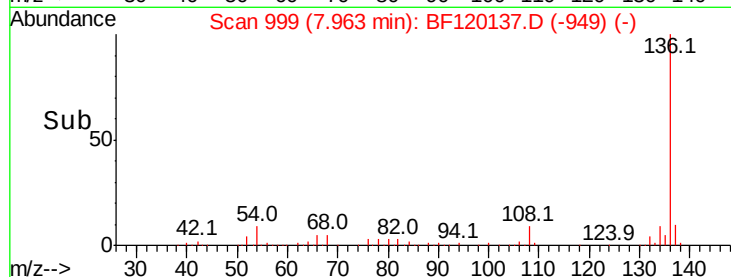
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF120137.D
Acq: 22 Apr 2020 17:59

Instrument :
BNA_F
ClientSampleId :
VNJ-240

Tot Ion:	136	Resp:	508943
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.7	13.1
54	9.3	9.1	13.7
68	4.8	4.6	6.8

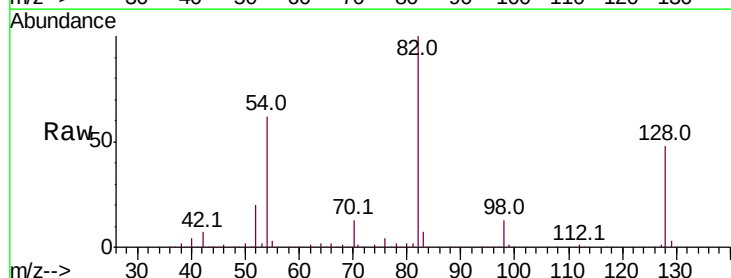


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

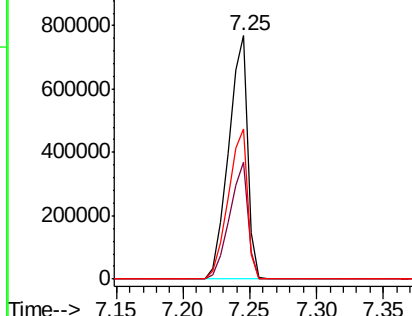
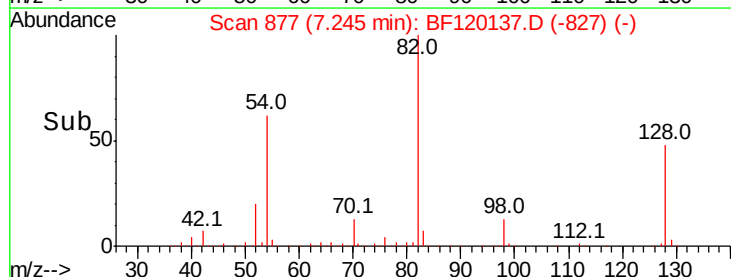


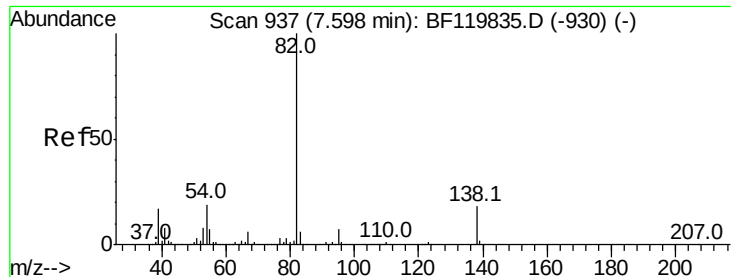
#23
Nitrobenzene-d5
Concen: 78.961 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF120137.D
Acq: 22 Apr 2020 17:59

Tgt Ion:	82	Resp:	776796
Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.3	54.5
54	61.7	50.6	75.8



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: 40.934 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.26 min

Lab File: BF120137.D

Acq: 22 Apr 2020 17:59

Instrument :

BNA_F

ClientSampleId :

VNJ-240

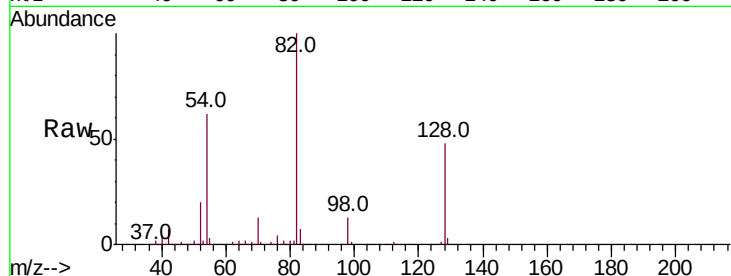
Tot Ion: 82 Resp: 776279

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

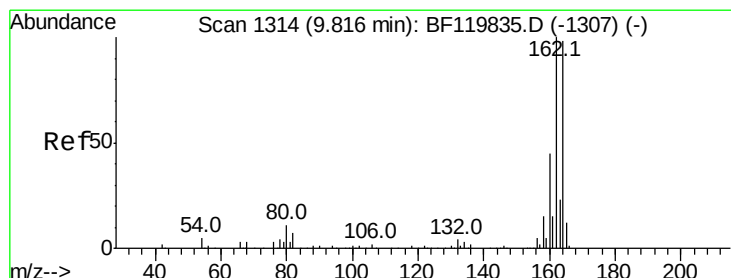
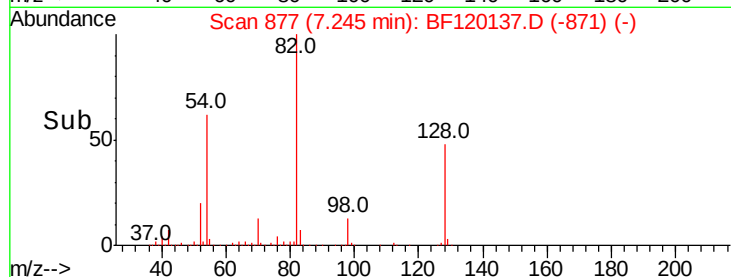
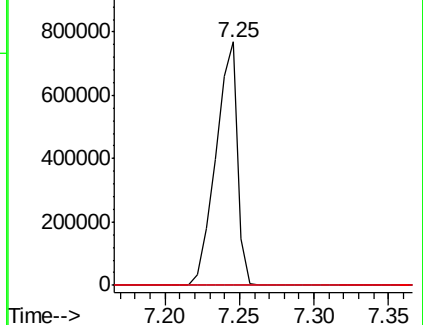
138 0.0 14.6 21.8#



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: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF120137.D

Acq: 22 Apr 2020 17:59

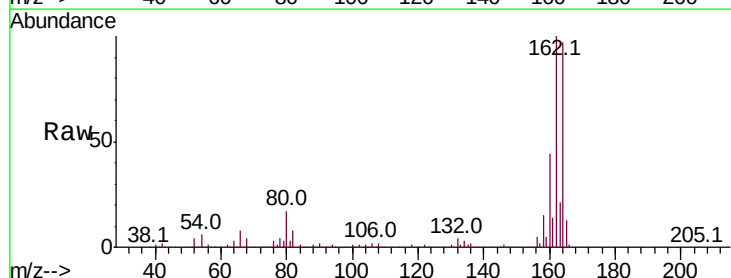
Tgt Ion:164 Resp: 258106

Ion Ratio Lower Upper

164 100

162 102.9 80.6 121.0

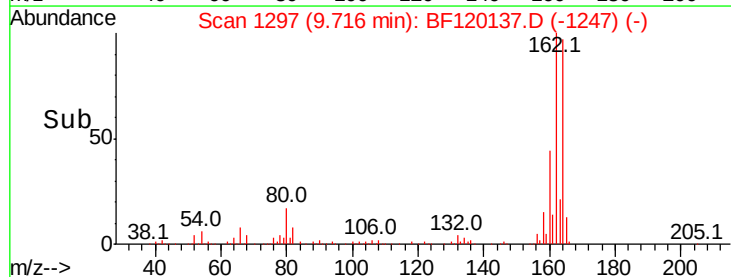
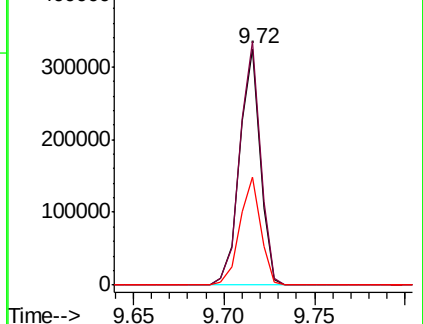
160 45.8 35.7 53.5

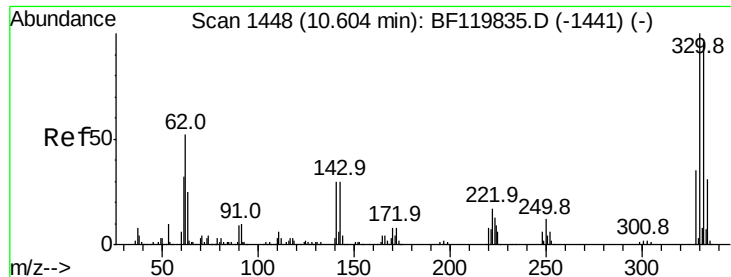


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 123.834 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF120137.D

Acq: 22 Apr 2020 17:59

Instrument :

BNA_F

ClientSampled :

VNJ-240

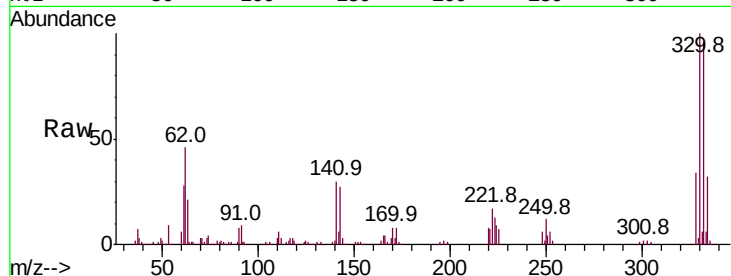
Tot Ion:330 Resp: 391326

Ion Ratio Lower Upper

330 100

332 95.9 75.7 113.5

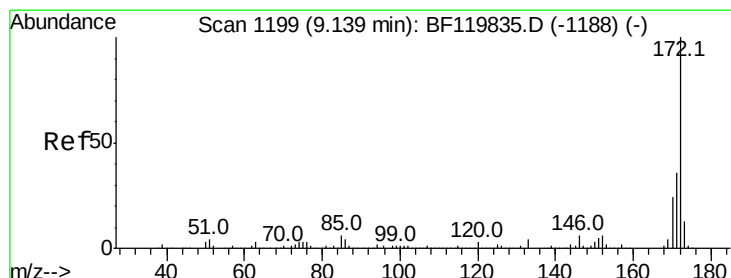
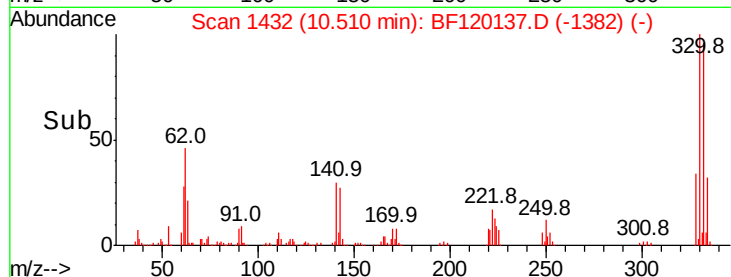
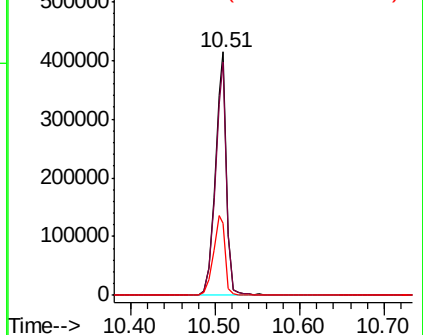
141 35.0 25.4 38.0



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: 86.155 ng

RT: 9.05 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BF120137.D

Acq: 22 Apr 2020 17:59

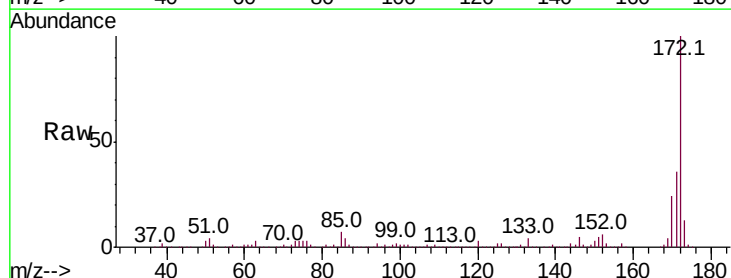
Tgt Ion:172 Resp: 1566241

Ion Ratio Lower Upper

172 100

171 36.0 29.6 44.4

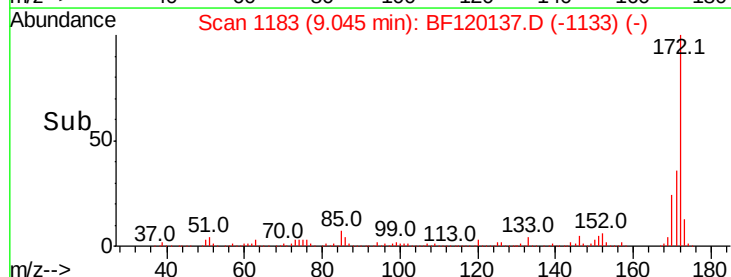
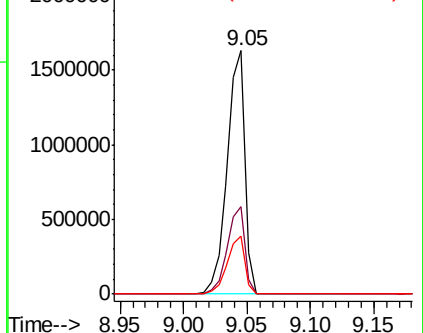
170 23.7 20.2 30.2

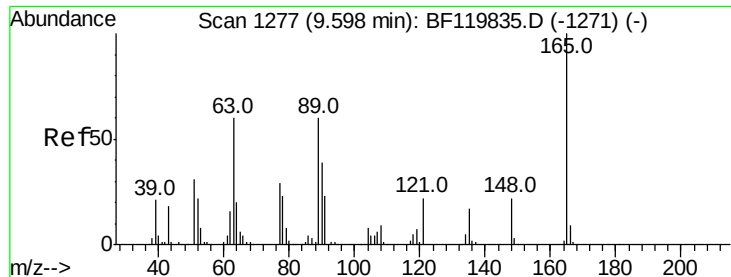


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

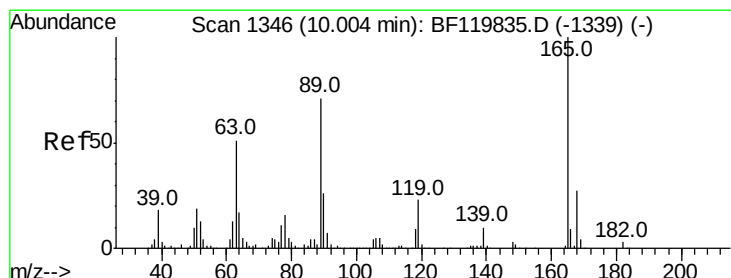
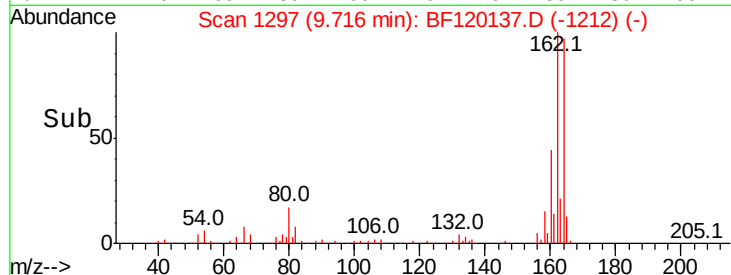
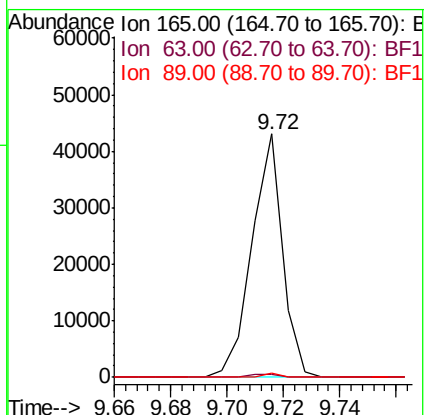
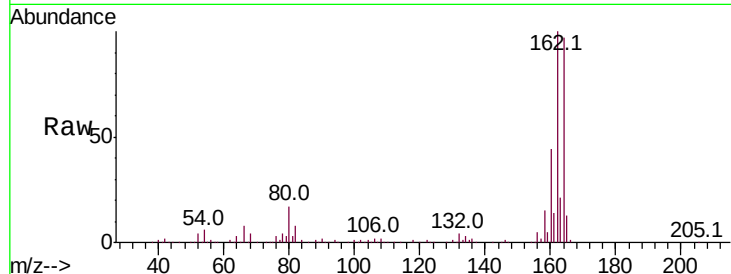




#51
 2,6-Dinitrotoluene
 Concen: 7.433 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. 0.20 min
 Lab File: BF120137.D
 Acq: 22 Apr 2020 17:59

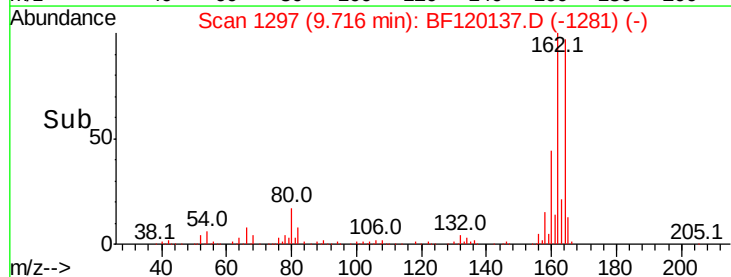
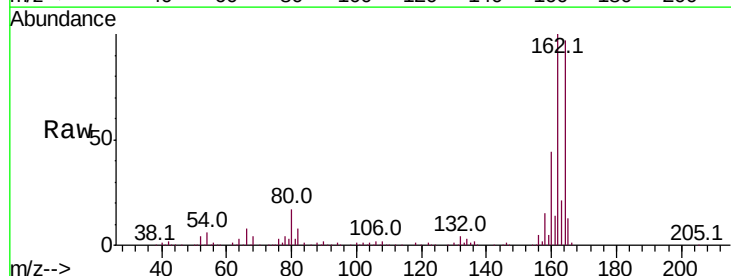
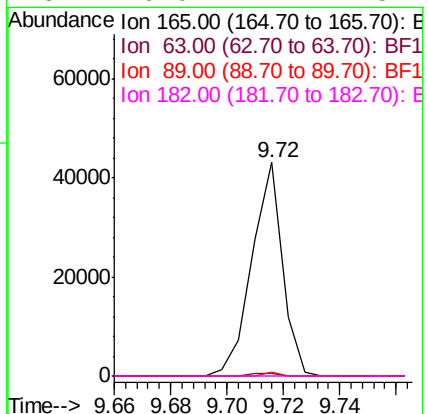
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-240

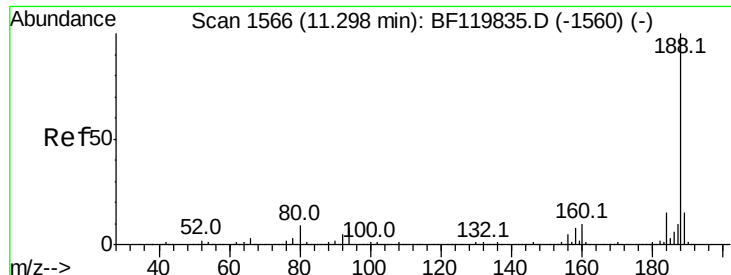
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	45.0	67.4#
89	1.7	41.5	62.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.642 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.21 min
 Lab File: BF120137.D
 Acq: 22 Apr 2020 17:59

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.6	64.0#
89	1.7	61.0	91.4#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF120137.D

Acq: 22 Apr 2020 17:59

Instrument :

BNA_F

ClientSampleId :

VNJ-240

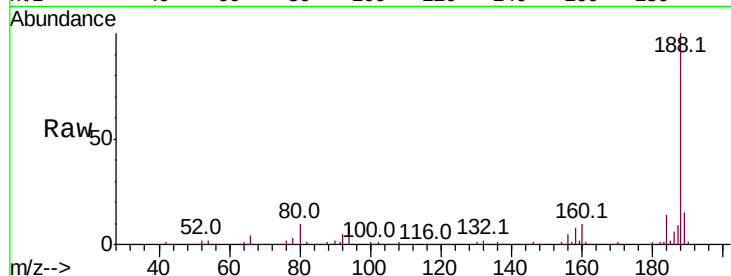
Tot Ion:188 Resp: 513790

Ion Ratio Lower Upper

188 100

94 8.6 7.5 11.3

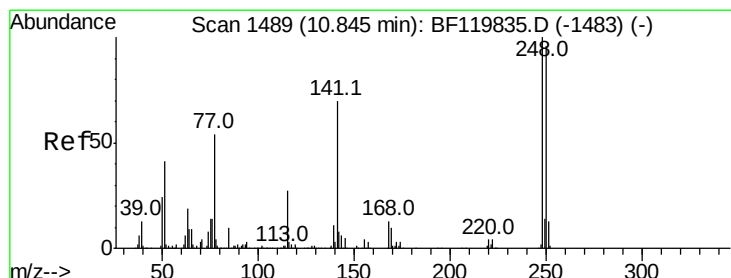
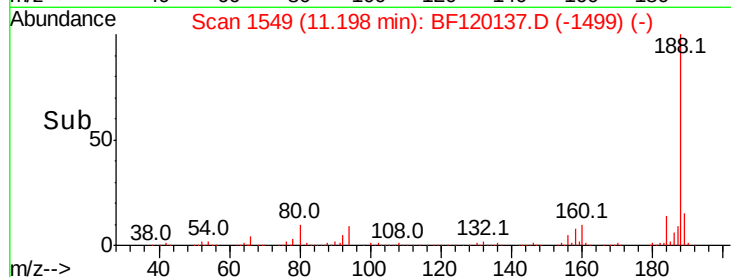
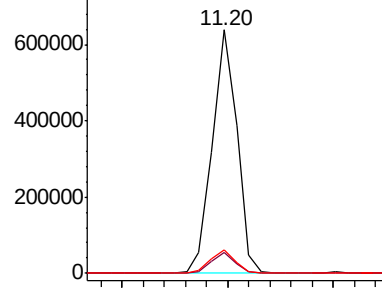
80 9.6 9.0 13.4



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: 3.748 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.25 min

Lab File: BF120137.D

Acq: 22 Apr 2020 17:59

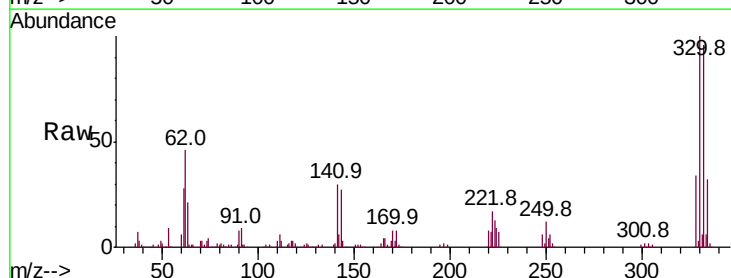
Tgt Ion:248 Resp: 23949

Ion Ratio Lower Upper

248 100

250 202.1 77.3 115.9#

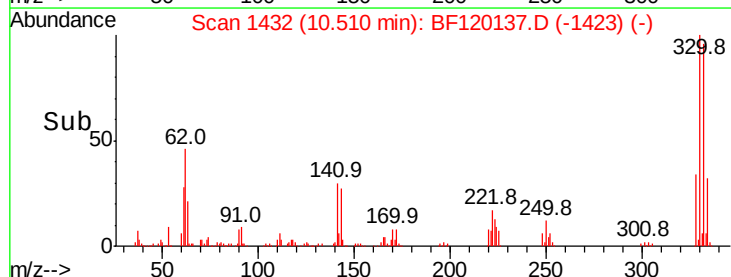
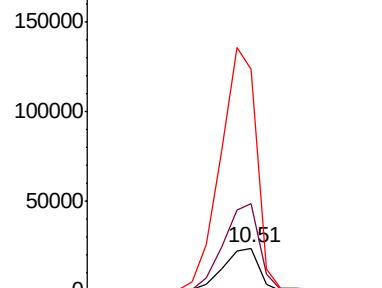
141 514.5 58.6 87.8#

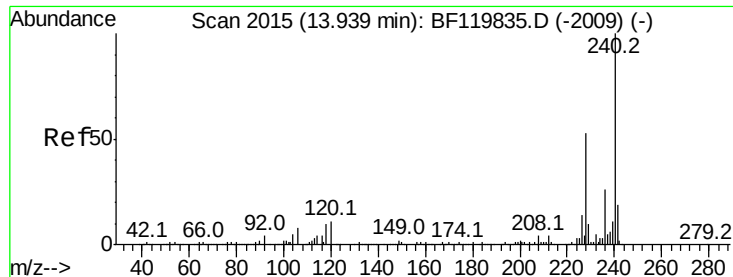


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

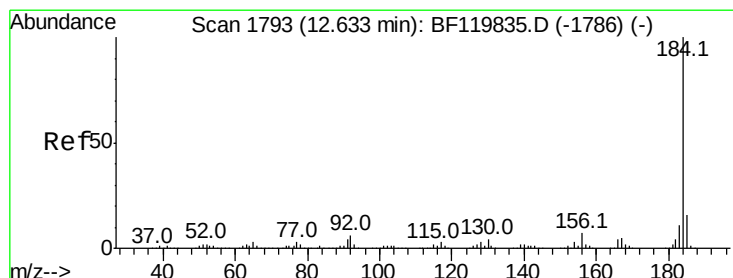
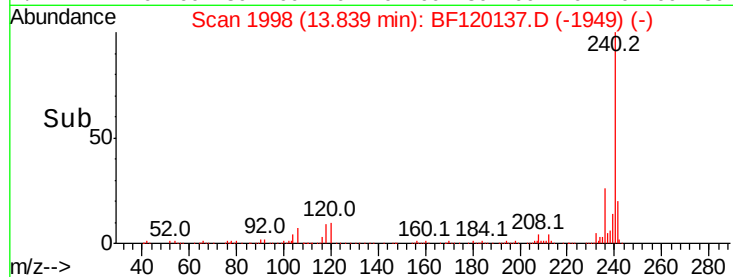
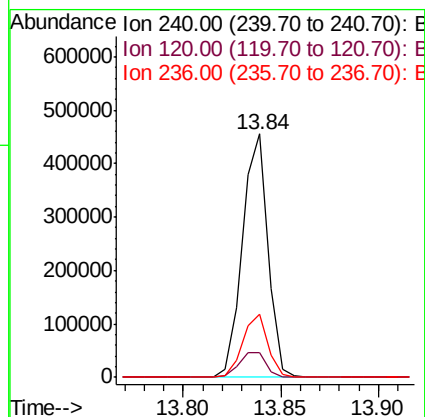
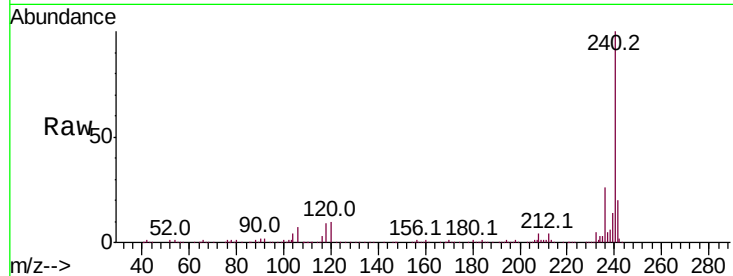




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. -0.01 min
 Lab File: BF120137.D
 Acq: 22 Apr 2020 17:59

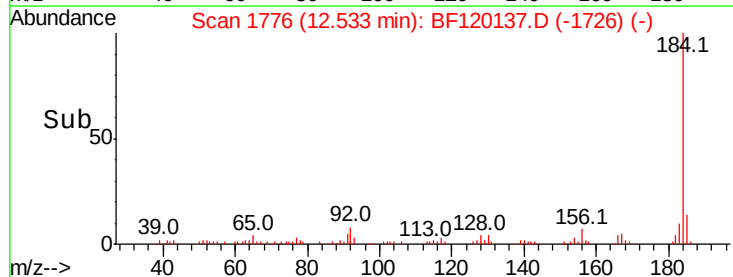
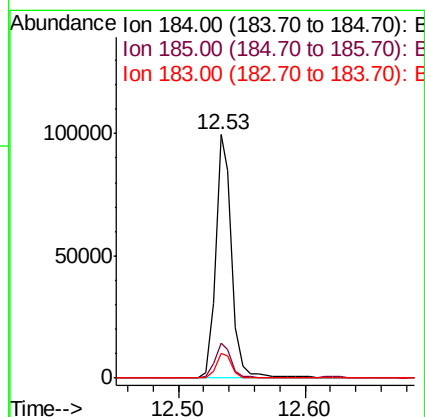
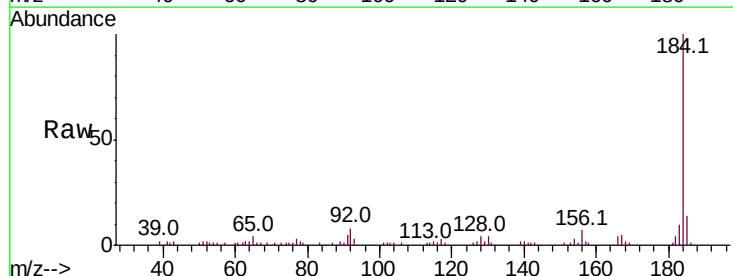
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-240

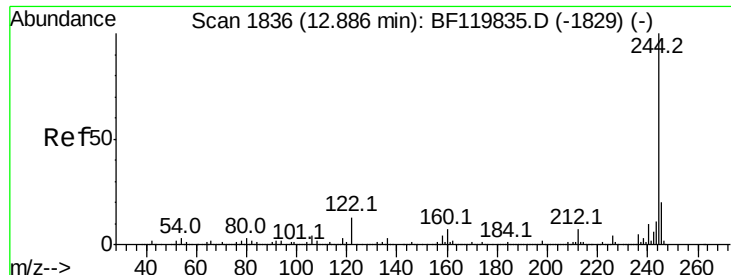
Tot Ion:240 Resp: 411964
 Ion Ratio Lower Upper
 240 100
 120 10.0 10.6 15.8#
 236 25.7 20.2 30.2



#77
 Benzidine
 Concen: 6.359 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. -0.01 min
 Lab File: BF120137.D
 Acq: 22 Apr 2020 17:59

Tgt Ion:184 Resp: 88550
 Ion Ratio Lower Upper
 184 100
 185 14.4 12.3 18.5
 183 10.2 9.0 13.6





#79

Terphenyl-d14

Concen: 84.642 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF120137.D

Acq: 22 Apr 2020 17:59

Instrument :

BNA_F

ClientSampleId :

VNJ-240

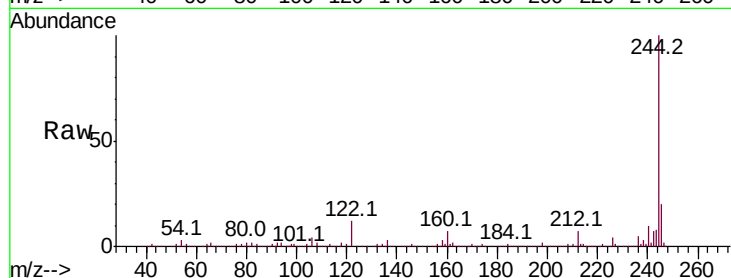
Tot Ion:244 Resp: 2072298

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

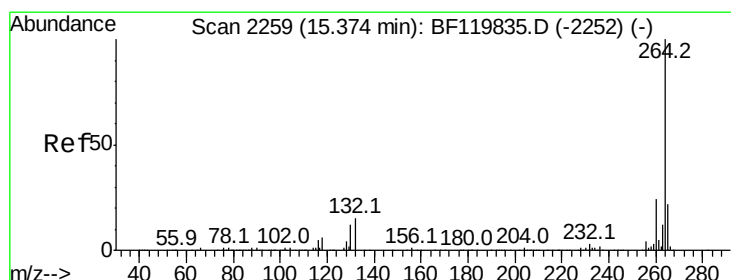
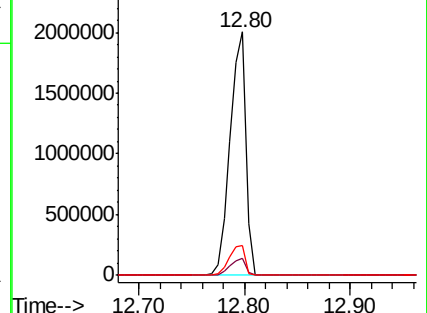
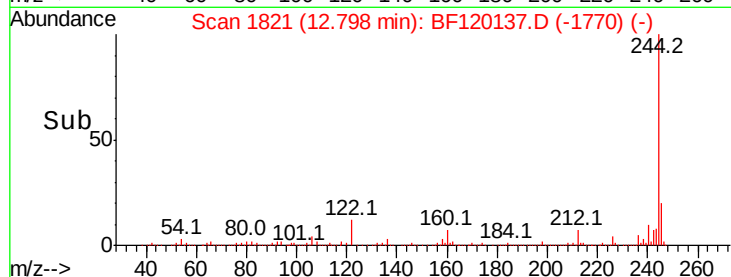
122 12.3 10.3 15.5



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: 15.24 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BF120137.D

Acq: 22 Apr 2020 17:59

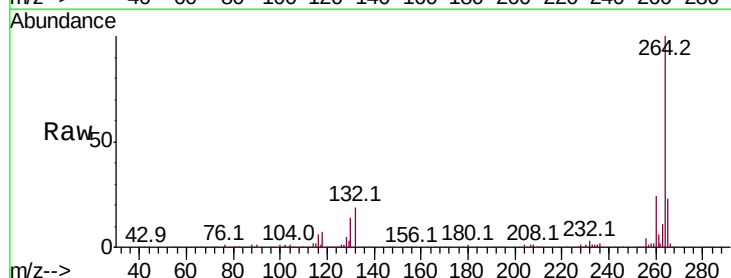
Tgt Ion:264 Resp: 354122

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

265 22.5 17.7 26.5



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

