

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072020\
 Data File : BF120945.D
 Acq On : 20 Jul 2020 21:17
 Operator : JU/CG
 Sample : L3329-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LT-4

Quant Time: Jul 21 00:42:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

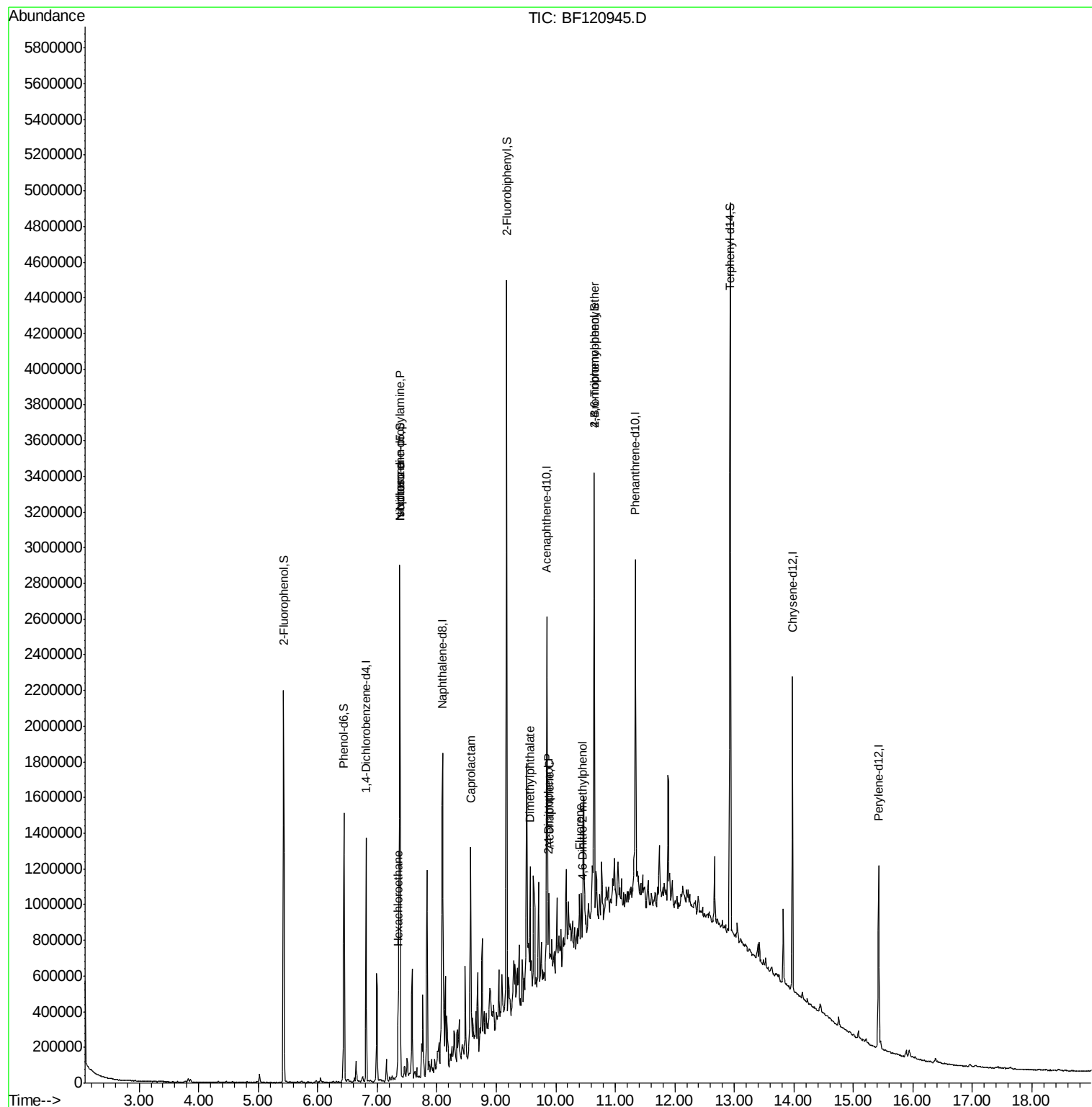
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	198788	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	761150	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	405704	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	739841	20.00	ng	0.00
76) Chrysene-d12	13.97	240	604843	20.00	ng	0.00
86) Perylene-d12	15.42	264	479315	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	615197	50.73	ng	0.00
7) Phenol-d6	6.44	99	543484	34.70	ng	0.00
23) Nitrobenzene-d5	7.38	82	938563	71.35	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	478834	107.83	ng	0.01
45) 2-Fluorobiphenyl	9.17	172	1639111	60.32	ng	0.00
79) Terphenyl-d14	12.93	244	1811157	65.09	ng	0.01
Target Compounds						
9) Benzaldehyde	6.36	77	399	Below Cal	Qvalue	# 20
18) Hexachloroethane	7.35	117	57321	10.995	ng	# 7
19) n-Nitroso-di-n-propylamine	7.38	70	129326	14.520	ng	# 78
25) Isophorone	7.38	82	930265	35.434	ng	# 63
35) Caprolactam	8.57	113	12024	3.356	ng	# 32
50) Dimethylphthalate	9.57	163	250326	8.553	ng	98
52) Acenaphthene	9.89	154	98951	3.971	ng	99
54) 2,4-Dinitrophenol	9.87	184	327	6.916	ng	# 1
58) Fluorene	10.40	166	69268	2.577	ng	# 96
65) 4,6-Dinitro-2-methylphenol	10.45	198	668	3.986	ng	# 1
67) 4-Bromophenyl-phenylether	10.65	248	27770	3.367	ng	# 1

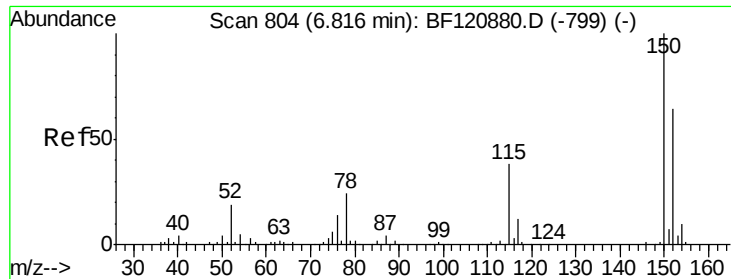
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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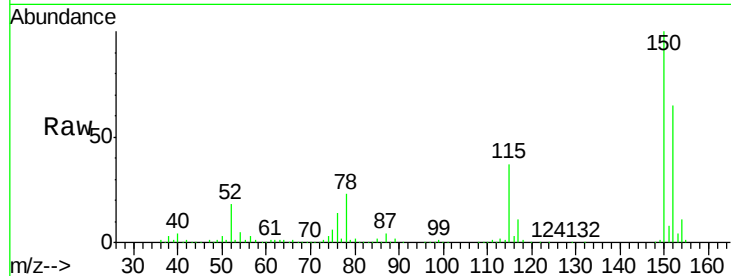


#1

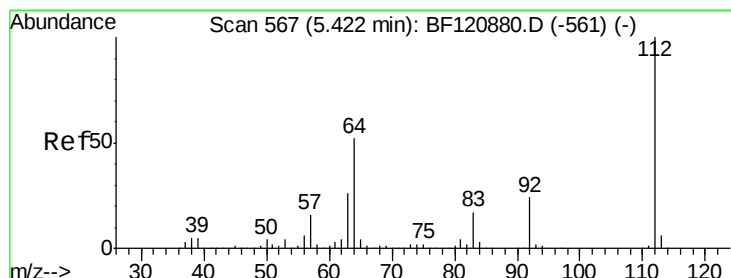
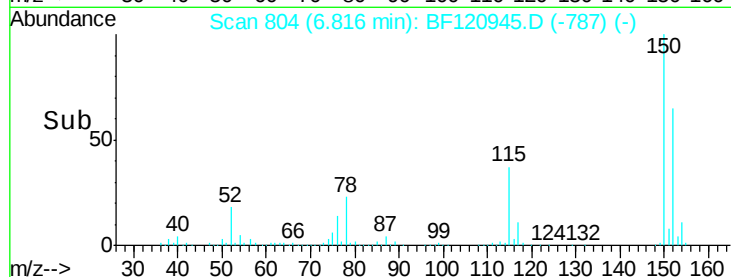
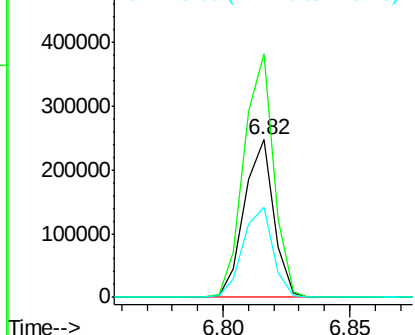
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF120945.D
Acq: 20 Jul 2020 21:17

Instrument :
BNA_F
ClientSampled :
LT-4

Tot Ion:152 Resp: 198788
Ion Ratio Lower Upper
152 100
150 154.8 125.0 187.6
115 57.0 47.0 70.4



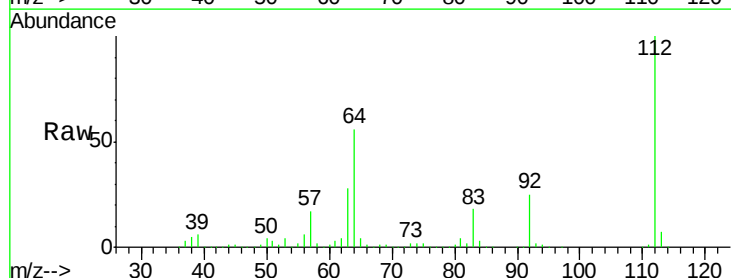
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



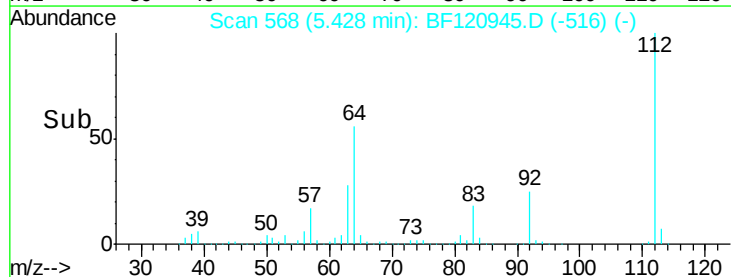
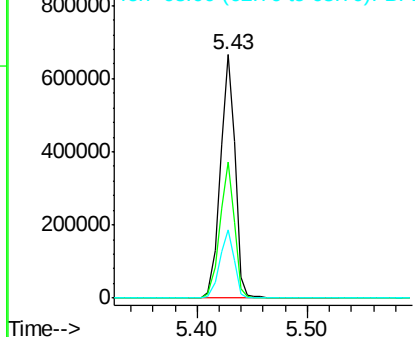
#5

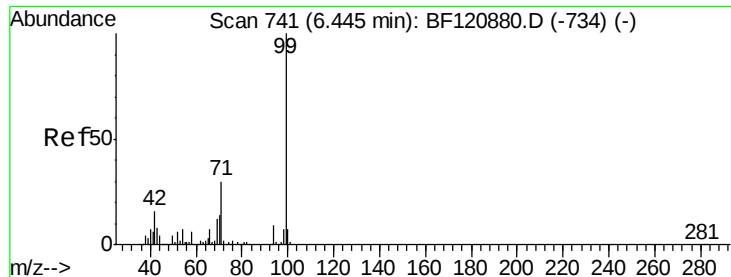
2-Fluorophenol
Concen: 50.734 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF120945.D
Acq: 20 Jul 2020 21:17

Tgt Ion:112 Resp: 615197
Ion Ratio Lower Upper
112 100
64 56.1 41.3 61.9
63 28.3 21.1 31.7



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: 34.697 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF120945.D

Acq: 20 Jul 2020 21:17

Instrument :

BNA_F

ClientSampleId :

LT-4

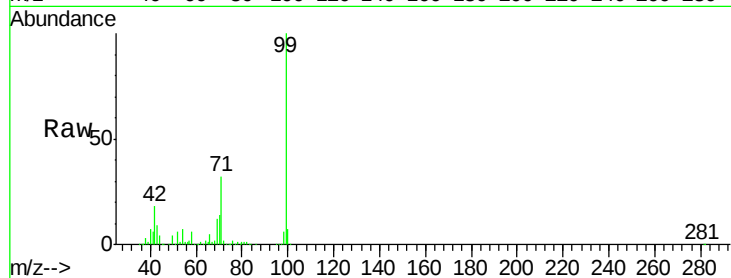
Tot Ion: 99 Resp: 543484

Ion Ratio Lower Upper

99 100

42 17.8 13.1 19.7

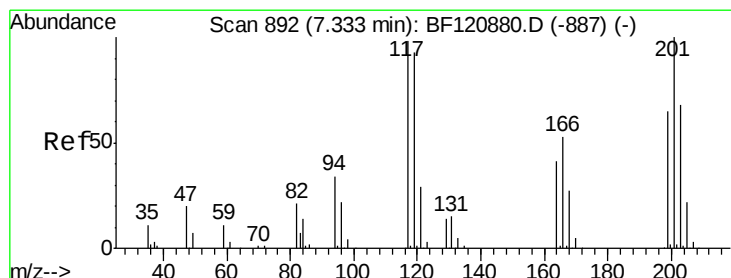
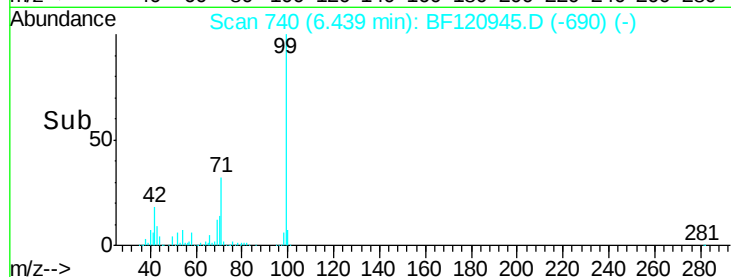
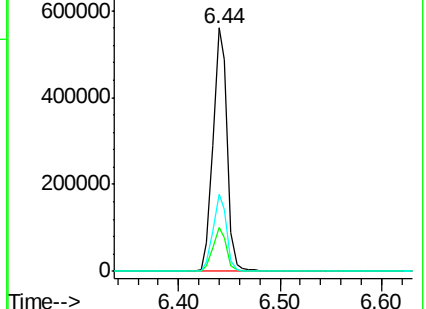
71 31.7 24.2 36.4



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



#18

Hexachloroethane

Concen: 10.995 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.02 min

Lab File: BF120945.D

Acq: 20 Jul 2020 21:17

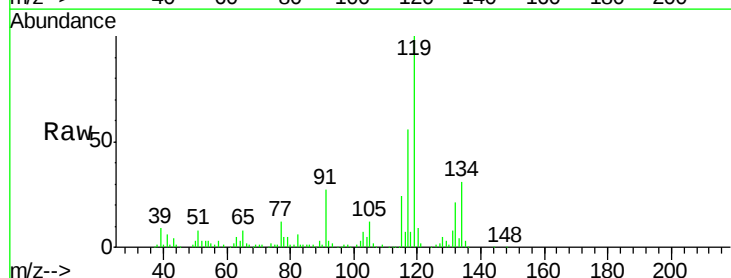
Tgt Ion: 117 Resp: 57321

Ion Ratio Lower Upper

117 100

119 177.2 76.0 114.0#

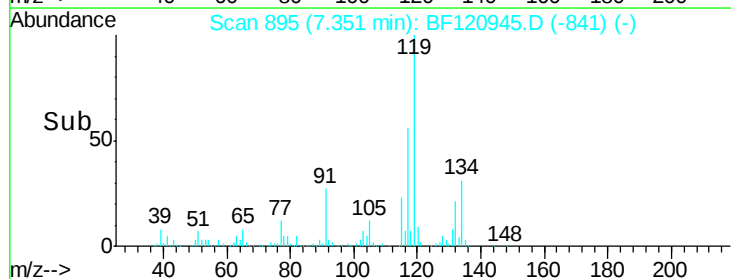
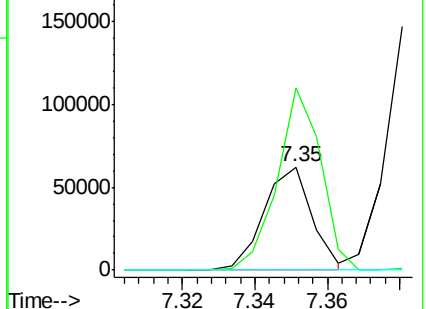
201 0.0 81.7 122.5#

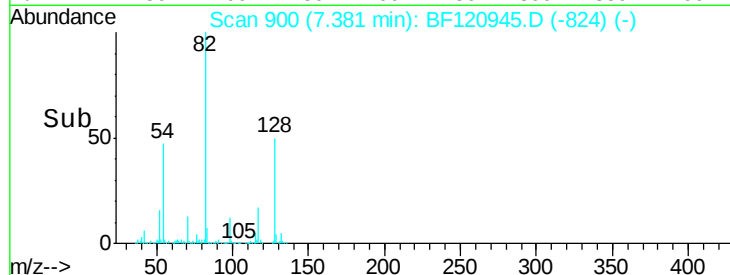
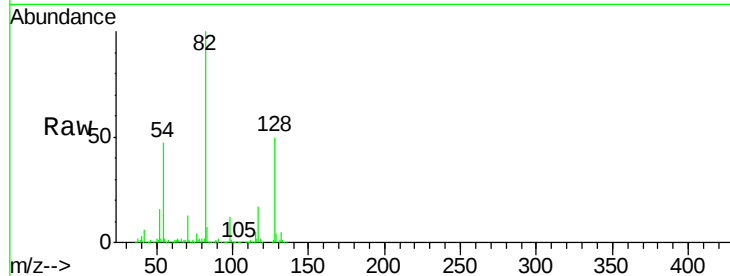
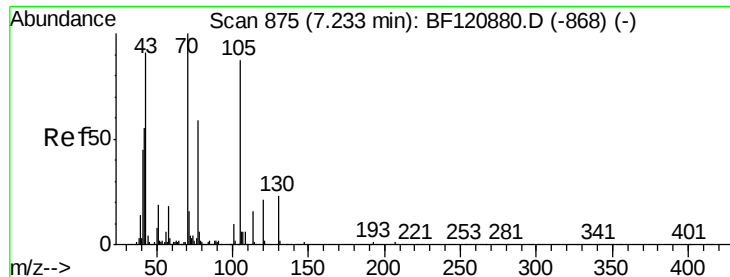


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

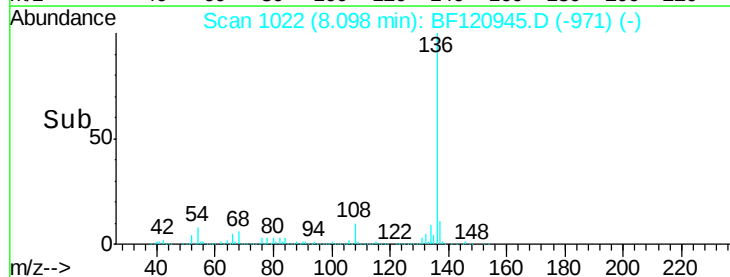
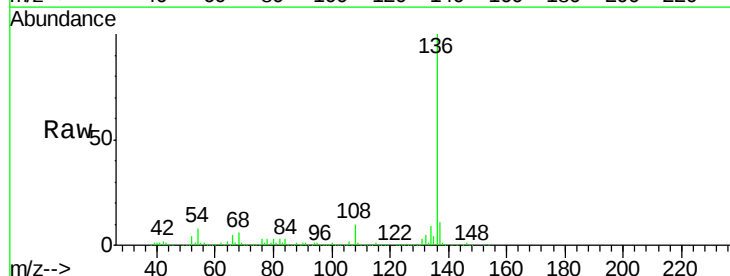
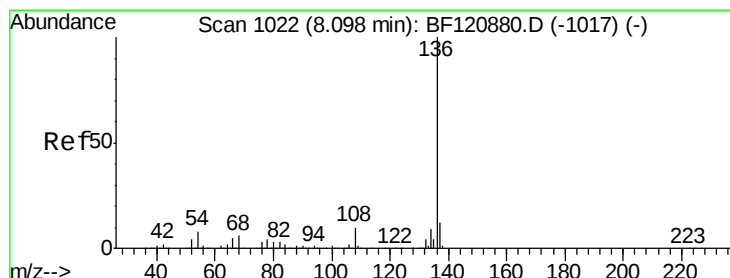
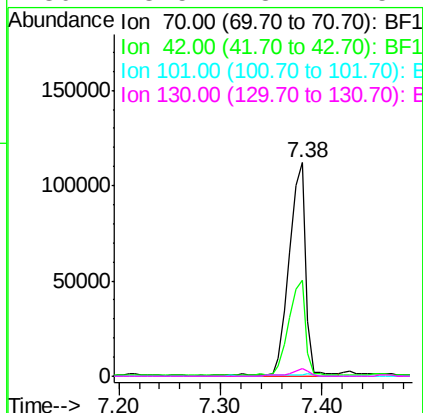




#19
n-Nitroso-di-n-propylamine
Concen: 14.520 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.15 min
Lab File: BF120945.D
Acq: 20 Jul 2020 21:17

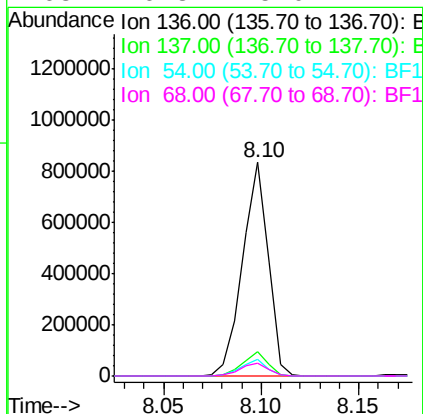
Instrument :
BNA_F
ClientSampleId :
LT-4

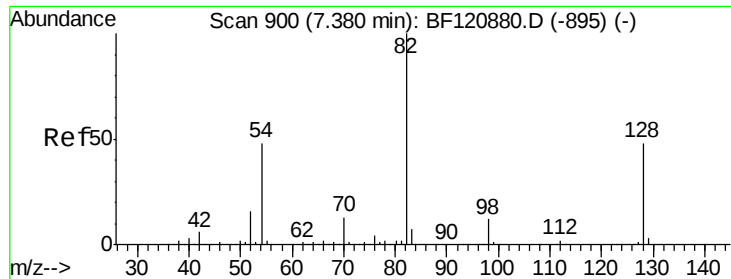
Tot Ion: 70 Resp: 129326
Ion Ratio Lower Upper
70 100
42 44.9 44.0 66.0
101 0.7 7.8 11.6#
130 3.5 18.7 28.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF120945.D
Acq: 20 Jul 2020 21:17

Tgt Ion: 136 Resp: 761150
Ion Ratio Lower Upper
136 100
137 11.2 9.3 13.9
54 7.7 6.3 9.5
68 6.3 5.0 7.4

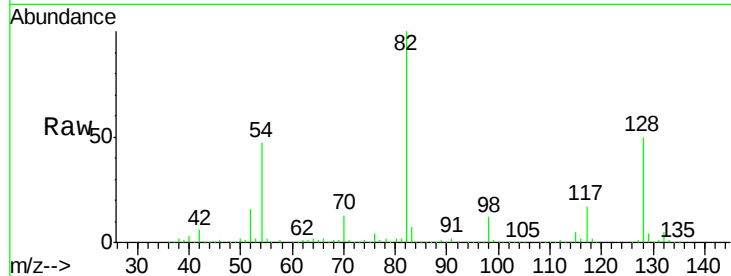




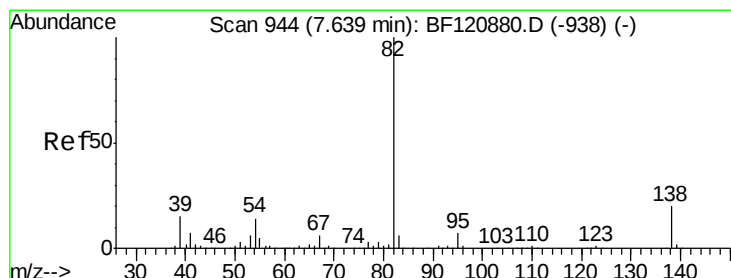
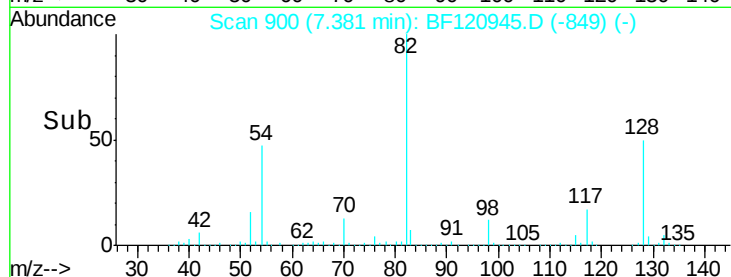
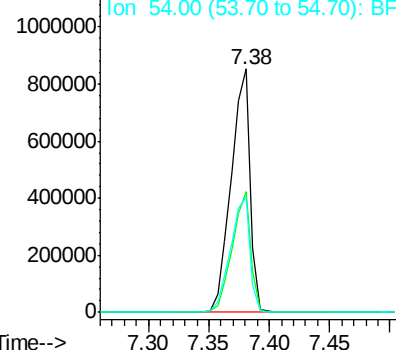
#23
Nitrobenzene-d5
Concen: 71.350 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.00 min
Lab File: BF120945.D
Acq: 20 Jul 2020 21:17

Instrument :
BNA_F
ClientSampleId :
LT-4

Tot Ion	82	Resp	938563
Ion Ratio	100	Lower	Upper
128	49.6	38.2	57.4
54	47.5	38.7	58.1

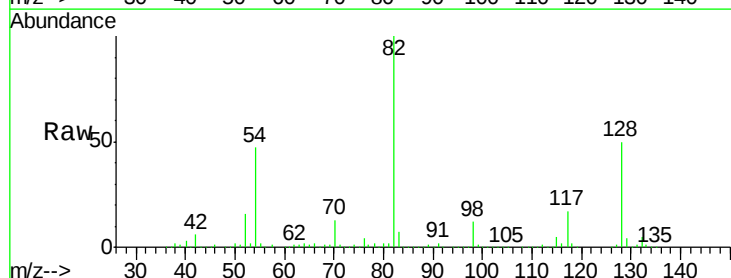


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

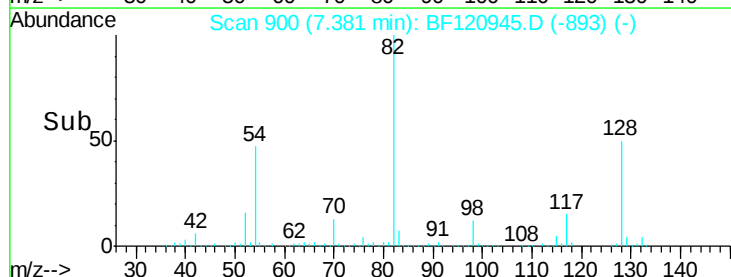
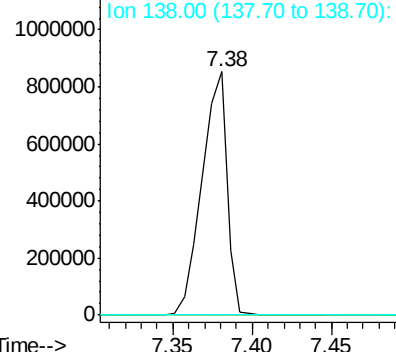


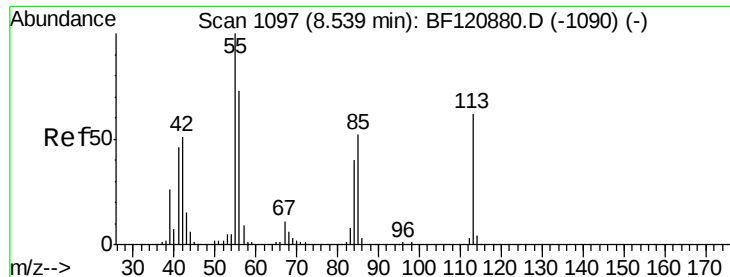
#25
Isophorone
Concen: 35.434 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.26 min
Lab File: BF120945.D
Acq: 20 Jul 2020 21:17

Tgt Ion	82	Resp	930265
Ion Ratio	100	Lower	Upper
95	0.1	5.5	8.3#
138	0.0	15.6	23.4#



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

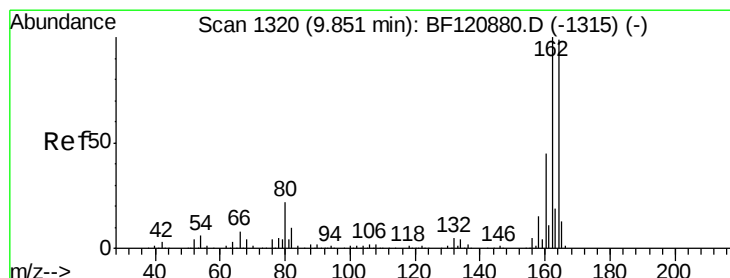
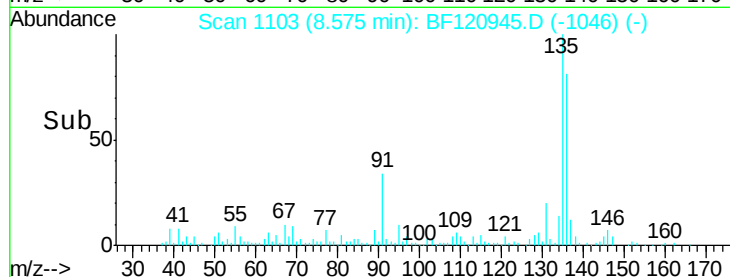
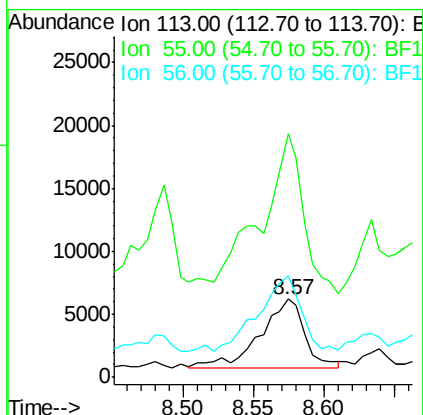
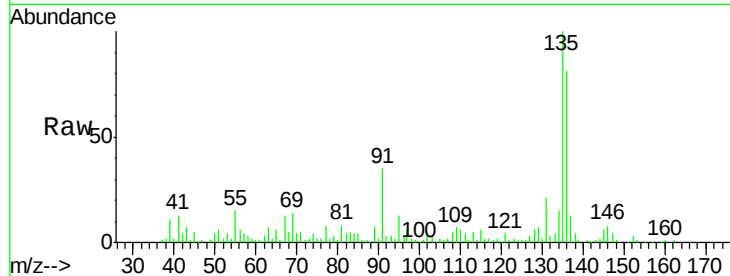




#35
Caprolactam
Concen: 3.356 ng
RT: 8.57 min Scan# 1103
Delta R.T. 0.04 min
Lab File: BF120945.D
Acq: 20 Jul 2020 21:17

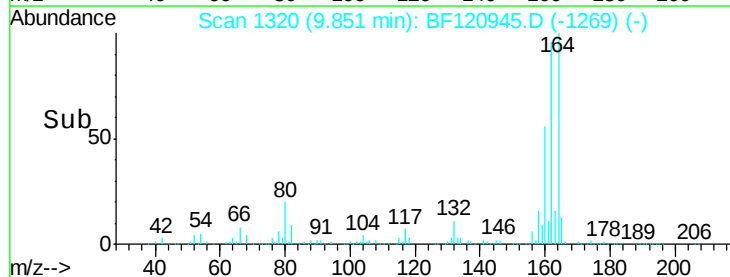
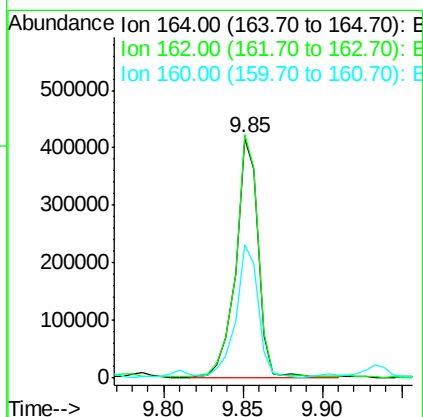
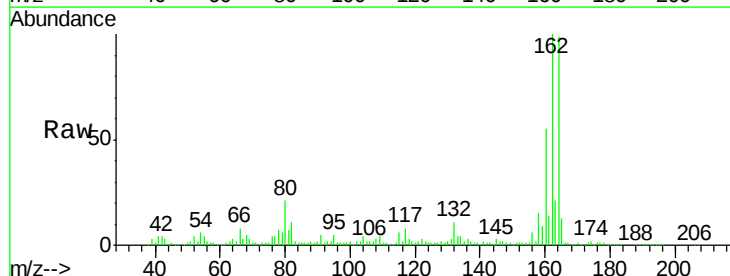
Instrument :
BNA_F
ClientSampleId :
LT-4

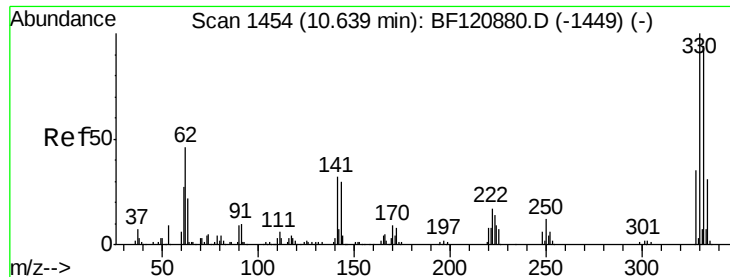
Tot Ion:113 Resp: 12024
Ion Ratio Lower Upper
113 100
55 310.6 143.3 183.3#
56 130.1 99.4 139.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF120945.D
Acq: 20 Jul 2020 21:17

Tgt Ion:164 Resp: 405704
Ion Ratio Lower Upper
164 100
162 101.3 81.2 121.8
160 55.5 36.9 55.3#





#42

2,4,6-Tribromophenol

Concen: 107.825 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.01 min

Lab File: BF120945.D

Acq: 20 Jul 2020 21:17

Instrument :

BNA_F

ClientSampled :

LT-4

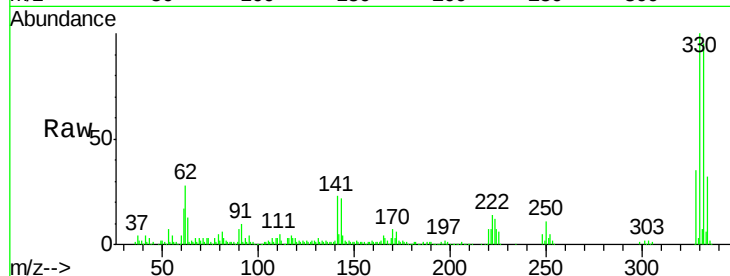
Tot Ion:330 Resp: 478834

Ion Ratio Lower Upper

330 100

332 95.8 75.5 113.3

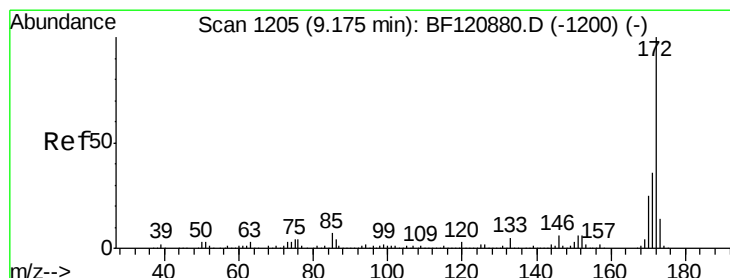
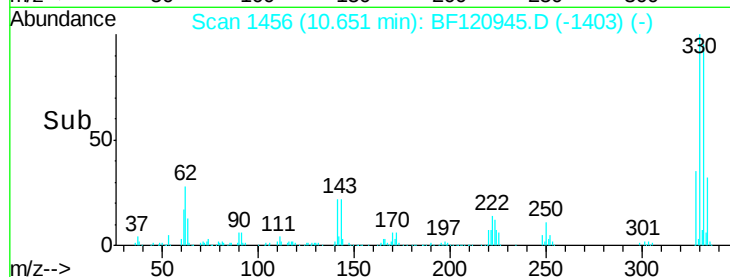
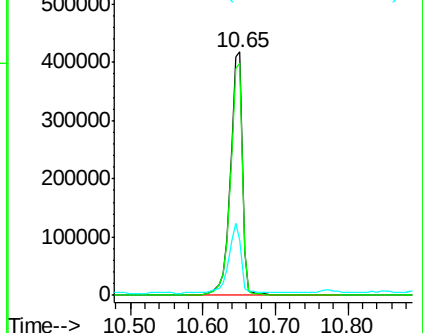
141 29.9 25.7 38.5



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: 60.321 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF120945.D

Acq: 20 Jul 2020 21:17

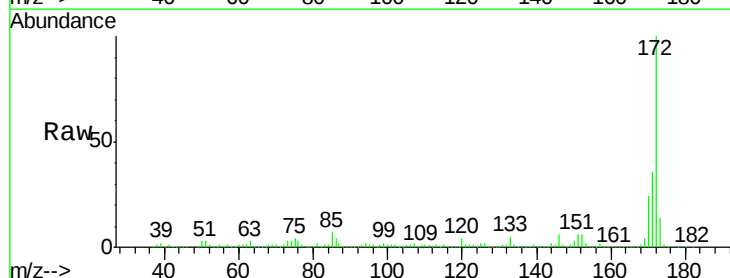
Tgt Ion:172 Resp: 1639111

Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.4

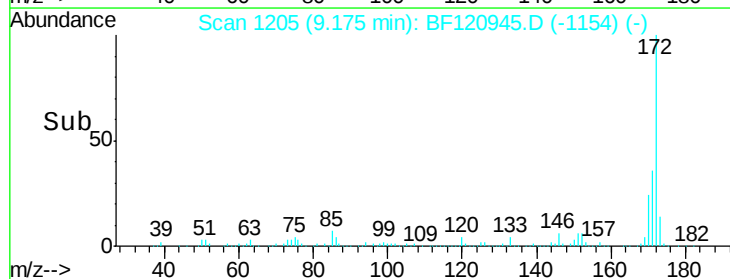
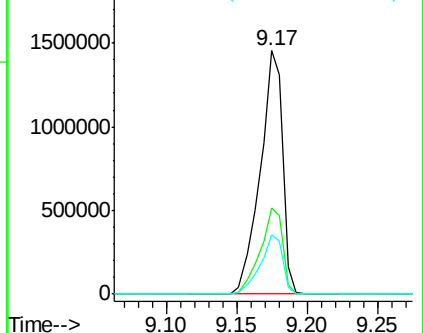
170 24.4 19.6 29.4

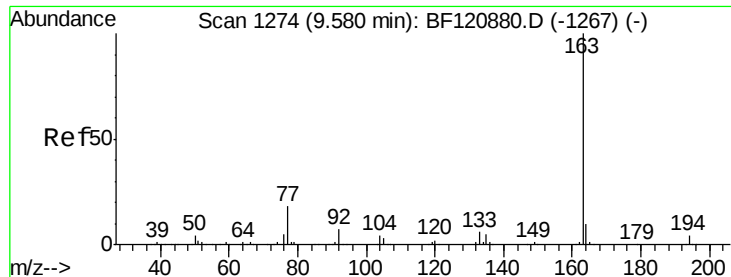


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

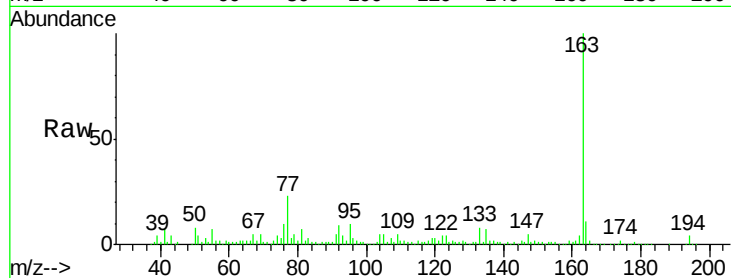




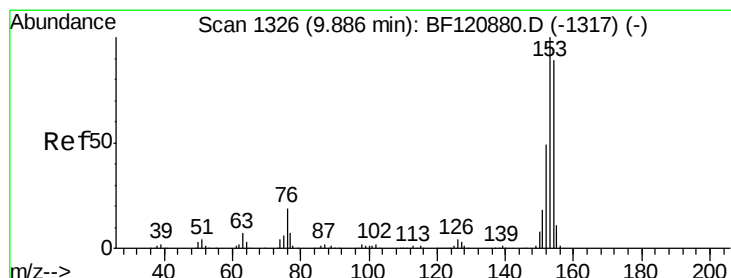
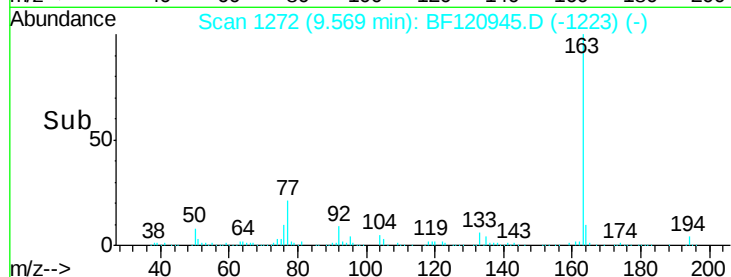
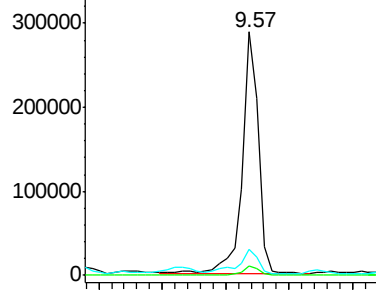
#50
Dimethylphthalate
Concen: 8.553 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF120945.D
Acq: 20 Jul 2020 21:17

Instrument :
BNA_F
ClientSampleId :
LT-4

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.7	7.9	11.9

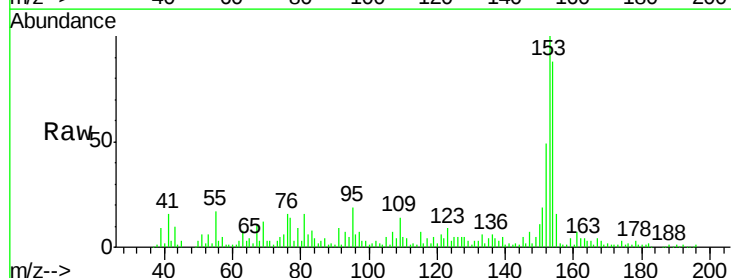


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

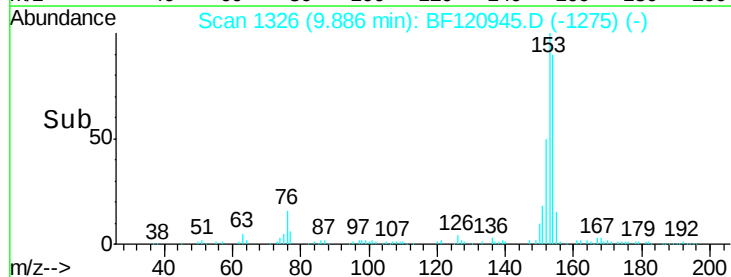
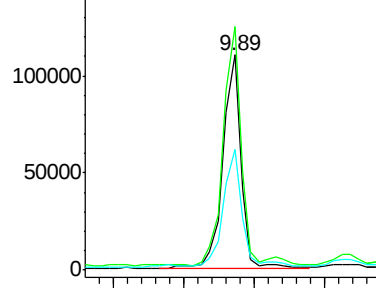


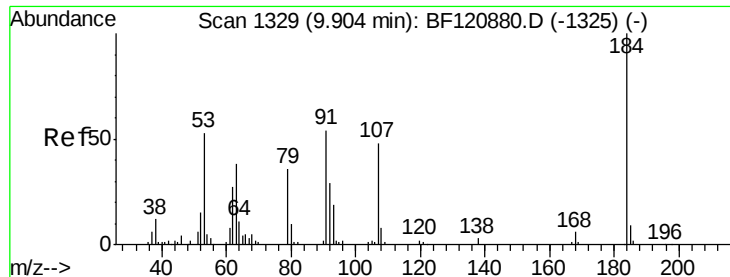
#52
Acenaphthene
Concen: 3.971 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF120945.D
Acq: 20 Jul 2020 21:17

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.2	89.5	134.3
152	56.0	44.2	66.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

2,4-Dinitrophenol

Concen: 6.916 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.03 min

Lab File: BF120945.D

Acq: 20 Jul 2020 21:17

Instrument :

BNA_F

ClientSampled :

LT-4

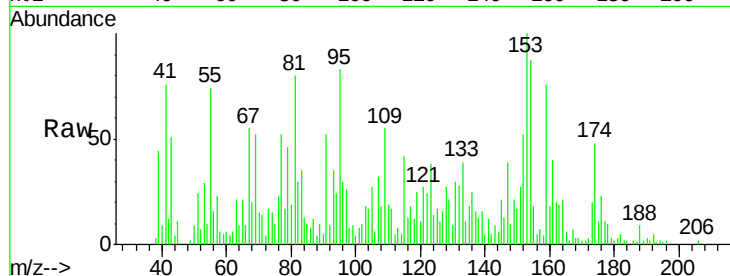
Tot Ion:184 Resp: 327

Ion Ratio Lower Upper

184 100

63 1251.2 57.9 86.9#

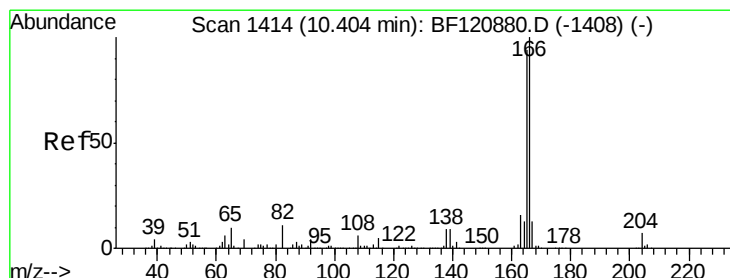
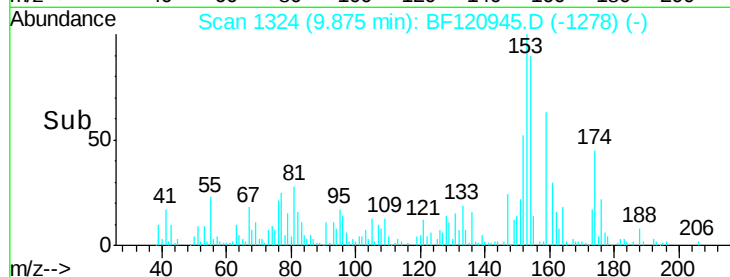
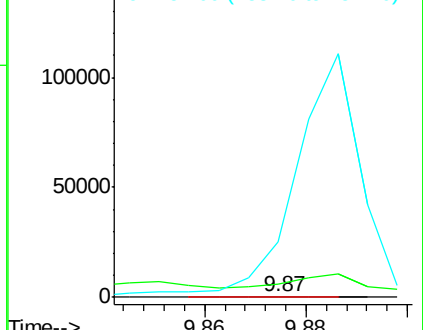
154 5249.5 52.6 78.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#58

Fluorene

Concen: 2.577 ng

RT: 10.40 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BF120945.D

Acq: 20 Jul 2020 21:17

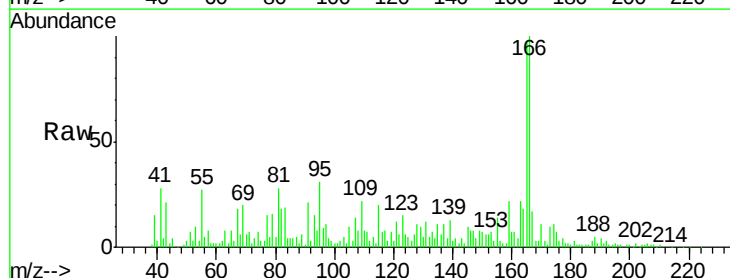
Tgt Ion:166 Resp: 69268

Ion Ratio Lower Upper

166 100

165 97.5 75.4 113.0

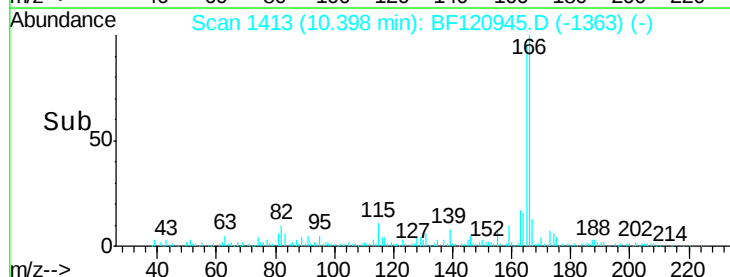
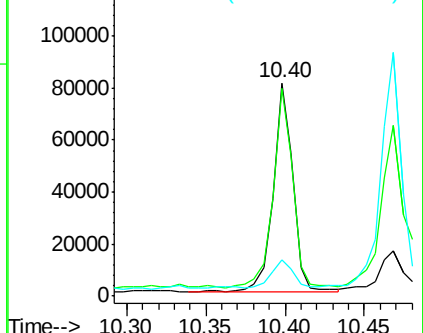
167 17.0 10.6 15.8#

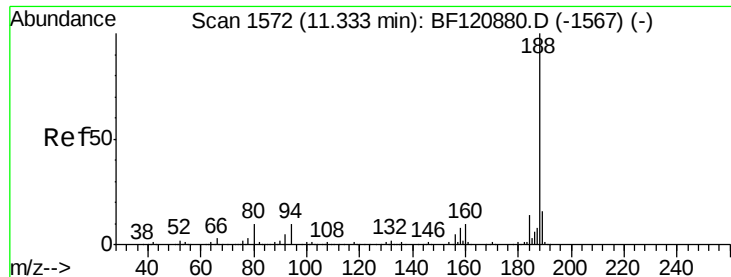


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

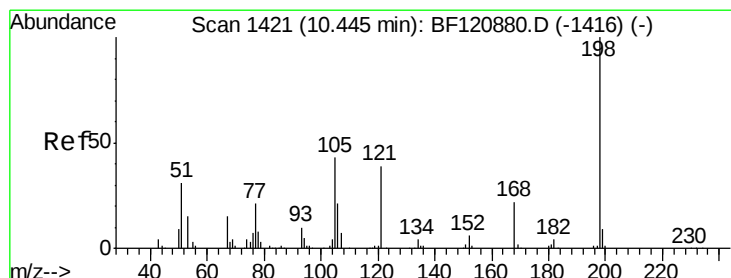
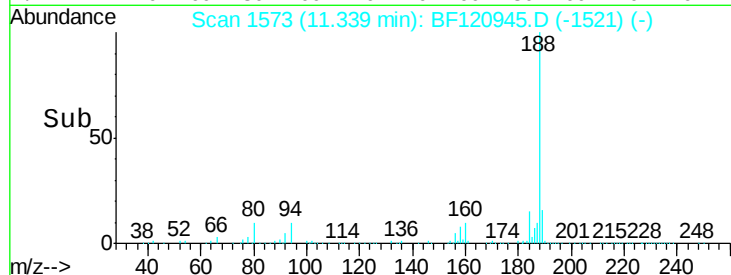
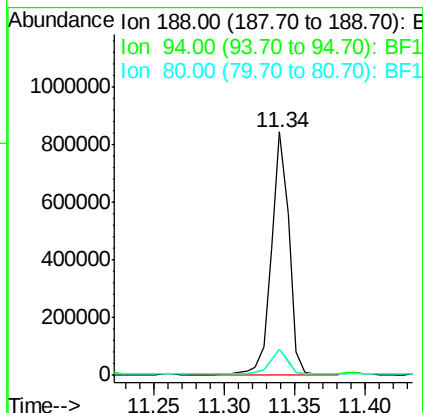
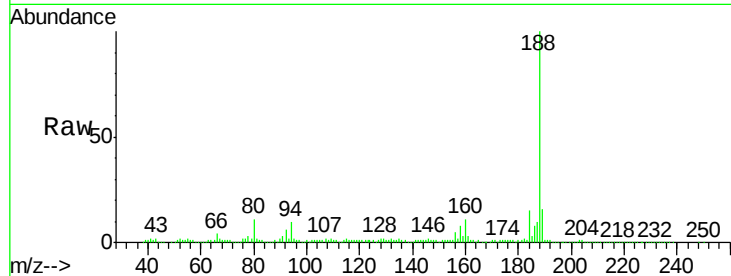




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF120945.D
Acq: 20 Jul 2020 21:17

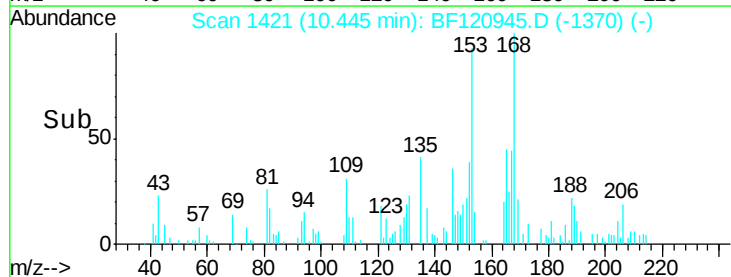
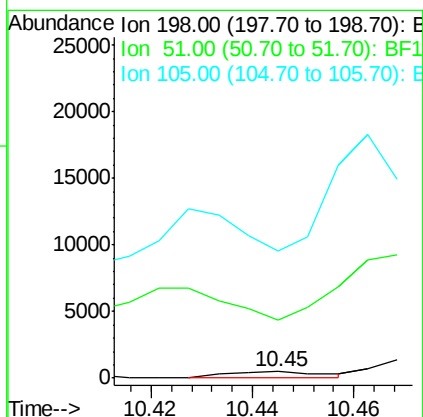
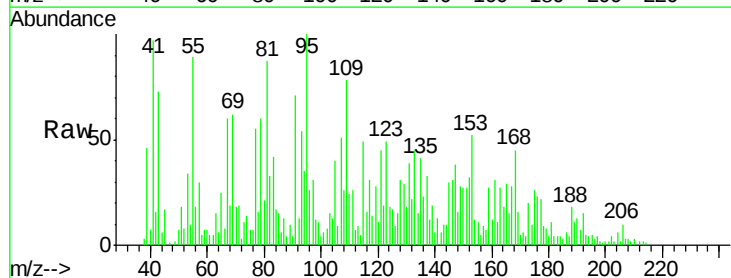
Instrument :
BNA_F
ClientSampled :
LT-4

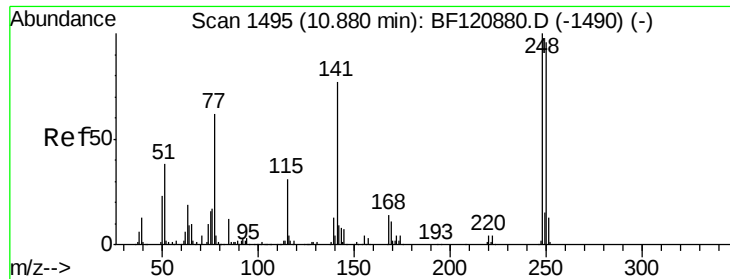
Tot Ion:188 Resp: 739841
Ion Ratio Lower Upper
188 100
94 10.5 8.0 12.0
80 10.6 8.3 12.5



#65
4,6-Dinitro-2-methylphenol
Concen: 3.986 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BF120945.D
Acq: 20 Jul 2020 21:17

Tgt Ion:198 Resp: 668
Ion Ratio Lower Upper
198 100
51 873.0 19.5 59.5#
105 1893.8 24.4 64.4#

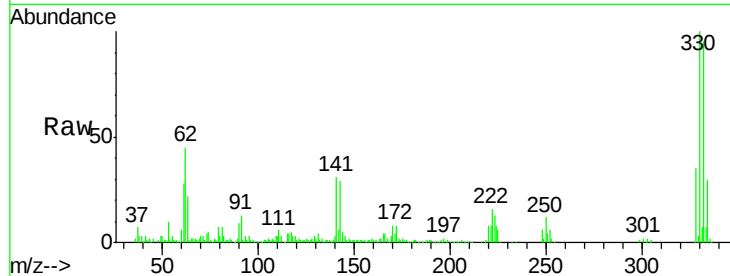




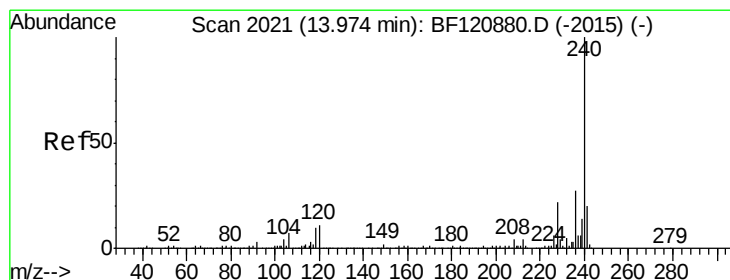
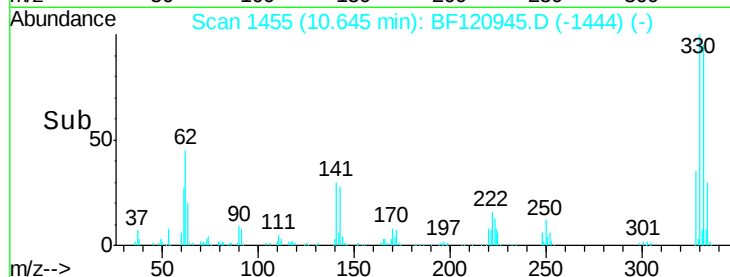
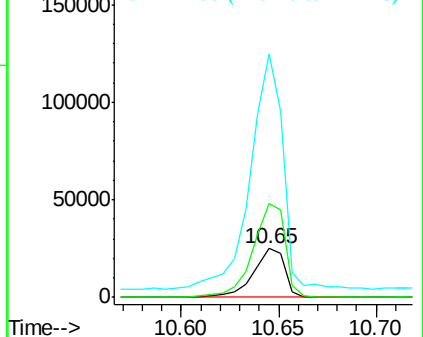
#67
4-Bromophenyl-phenylether
Concen: 3.367 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.24 min
Lab File: BF120945.D
Acq: 20 Jul 2020 21:17

Instrument :
BNA_F
ClientSampleId :
LT-4

Tot Ion:248 Resp: 27770
Ion Ratio Lower Upper
248 100
250 192.0 77.1 115.7#
141 497.4 61.2 91.8#

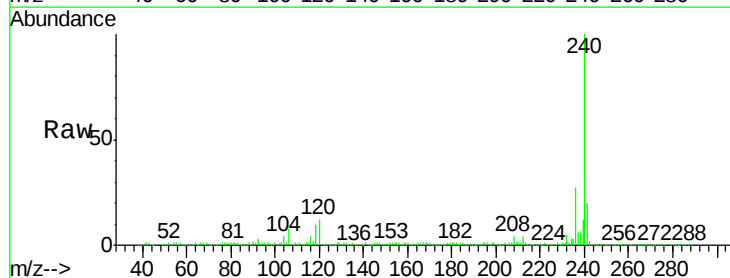


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

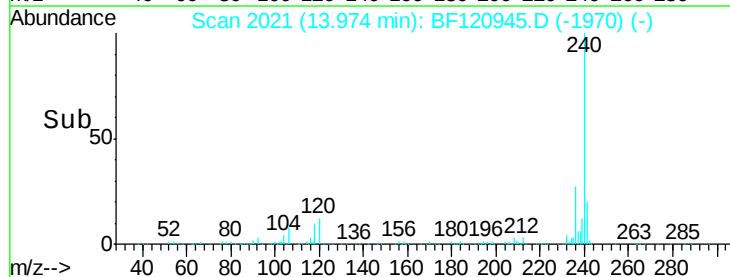
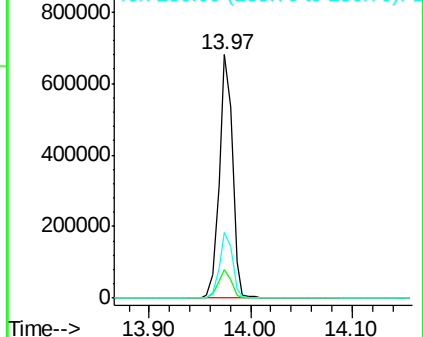


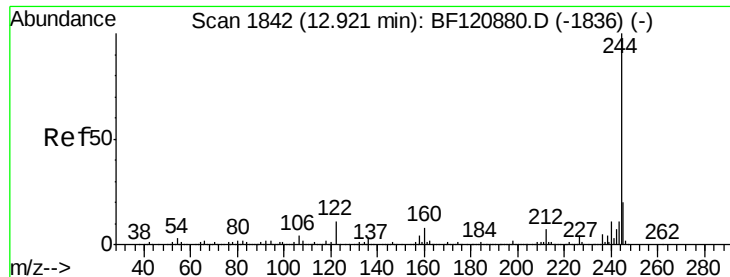
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF120945.D
Acq: 20 Jul 2020 21:17

Tgt Ion:240 Resp: 604843
Ion Ratio Lower Upper
240 100
120 11.9 9.0 13.4
236 27.0 21.7 32.5



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: 65.092 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.01 min

Lab File: BF120945.D

Acq: 20 Jul 2020 21:17

Instrument :

BNA_F

ClientSampleId :

LT-4

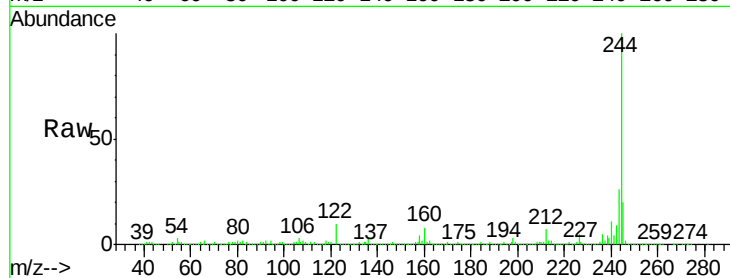
Tot Ion:244 Resp: 1811157

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

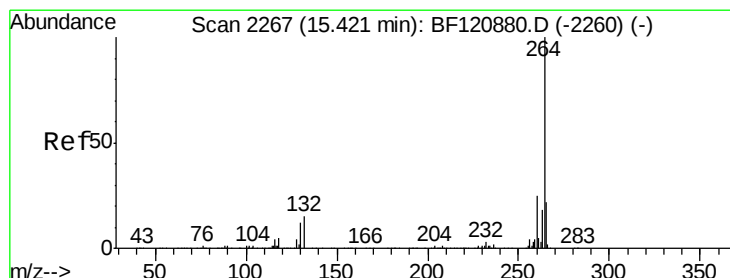
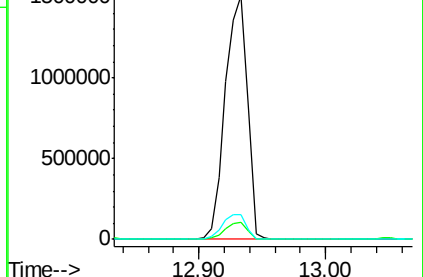
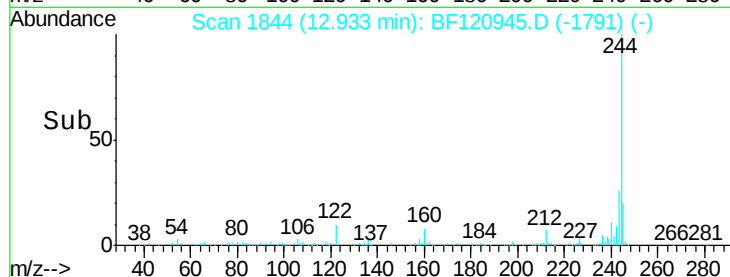
122 10.1 8.9 13.3



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.00 min

Lab File: BF120945.D

Acq: 20 Jul 2020 21:17

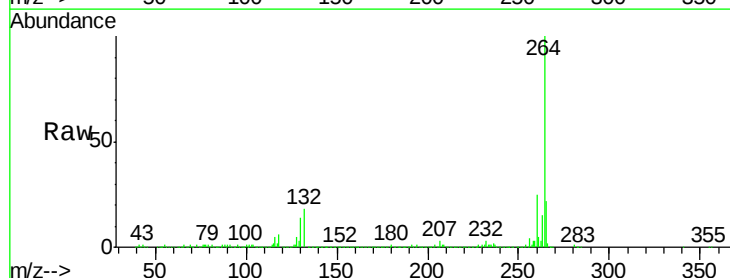
Tgt Ion:264 Resp: 479315

Ion Ratio Lower Upper

264 100

260 25.1 20.0 30.0

265 21.8 17.4 26.2



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

