

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072020\
 Data File : BF120942.D
 Acq On : 20 Jul 2020 19:45
 Operator : JU/CG
 Sample : L3329-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ERM-16R

Quant Time: Jul 21 00:41:35 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	191594	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	732105	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	396281	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	720359	20.00	ng	0.00
76) Chrysene-d12	13.97	240	592306	20.00	ng	0.00
86) Perylene-d12	15.42	264	472070	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	619226	52.98	ng	0.00
7) Phenol-d6	6.44	99	480258	31.81	ng	0.00
23) Nitrobenzene-d5	7.38	82	998611	78.93	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	485188	111.85	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1683689	63.44	ng	0.00
79) Terphenyl-d14	12.93	244	1782158	65.41	ng	0.01

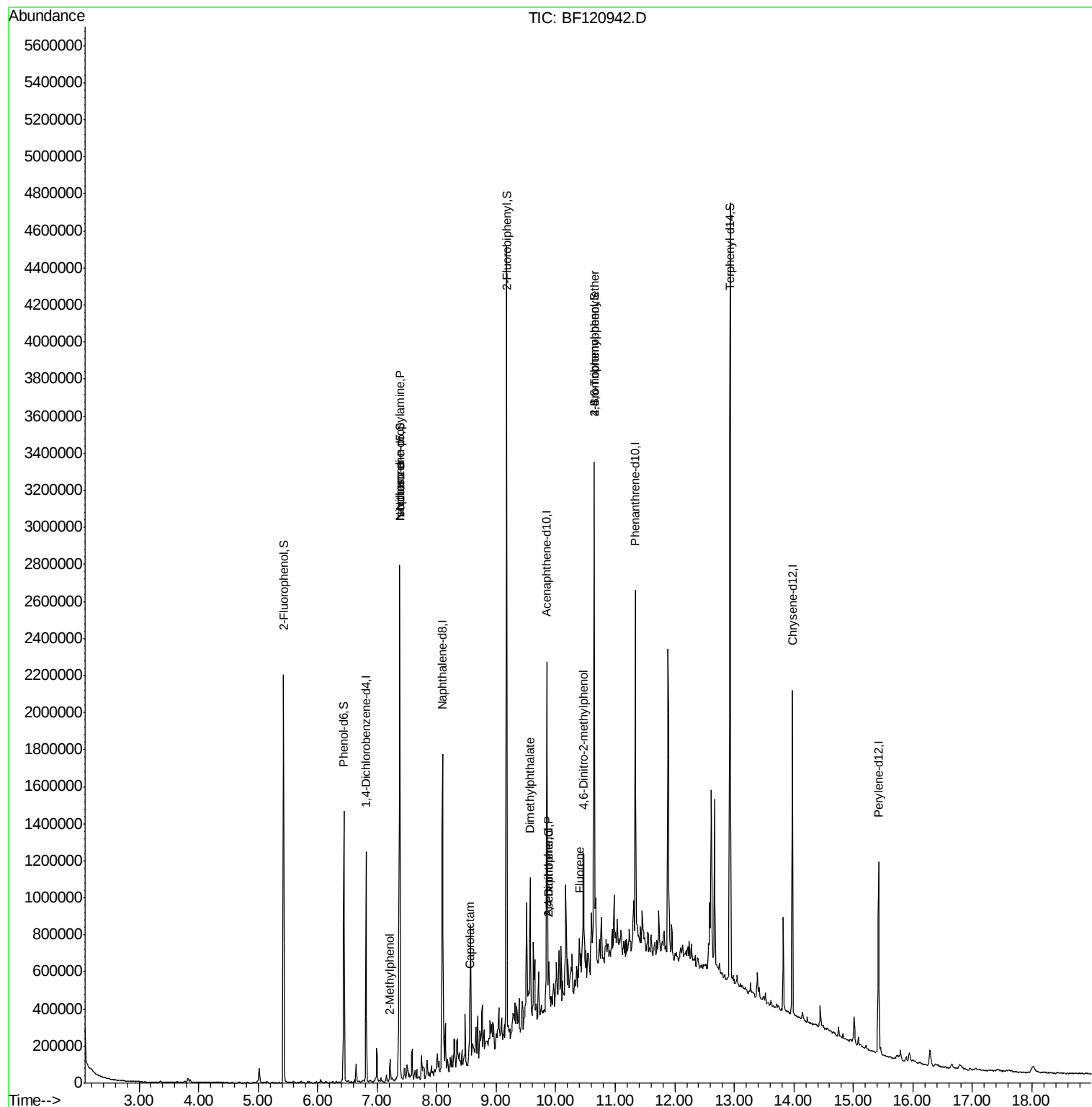
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	255	Below Cal		# 73
17) 2-Methylphenol	7.22	107	27910	2.446	ng	# 73
19) n-Nitroso-di-n-propylamine	7.38	70	133978	15.607	ng	# 78
25) Isophorone	7.38	82	988450	39.145	ng	# 63
35) Caprolactam	8.55	113	11937	3.464	ng	# 68
50) Dimethylphthalate	9.57	163	286945	10.037	ng	99
52) Acenaphthene	9.89	154	58713	2.412	ng	99
54) 2,4-Dinitrophenol	9.88	184	125	6.866	ng	# 1
58) Fluorene	10.40	166	64476	2.456	ng	# 94
65) 4,6-Dinitro-2-methylphenol	10.47	198	2139	4.315	ng	# 1
67) 4-Bromophenyl-phenylether	10.65	248	28354	3.530	ng	# 1

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

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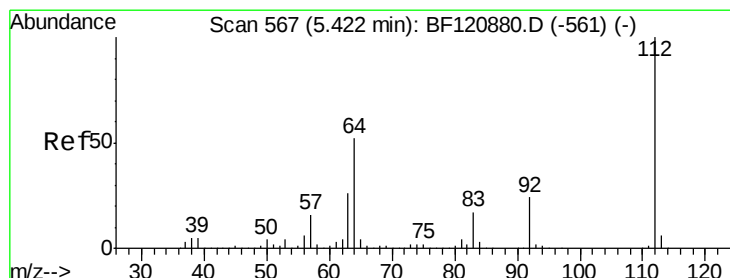
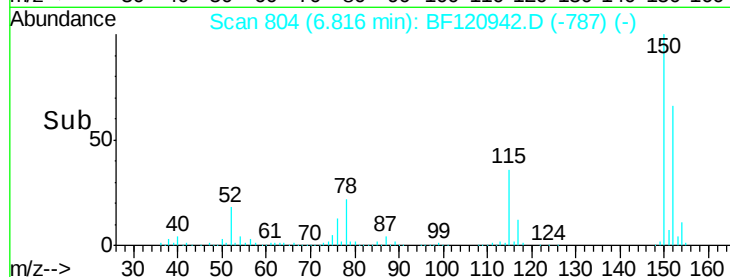
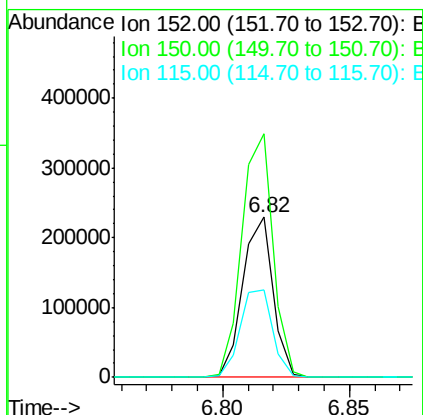
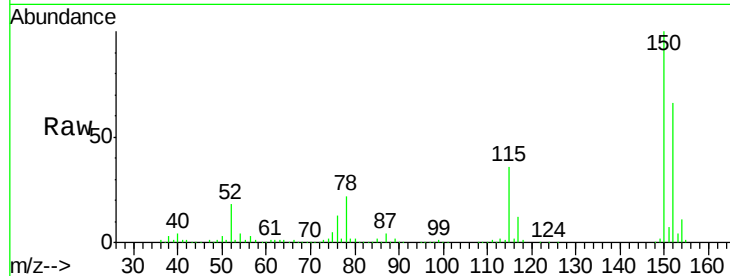


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF120942.D
Acq: 20 Jul 2020 19:45

Instrument :
BNA_F
ClientSampleId :
ERM-16R

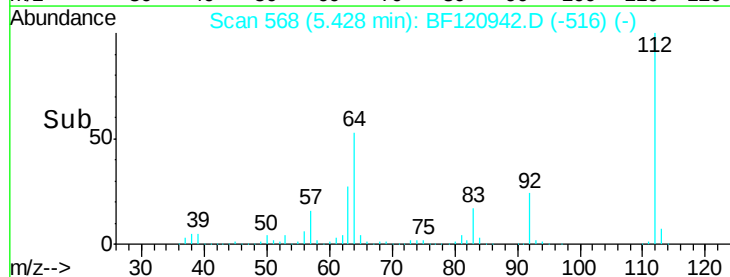
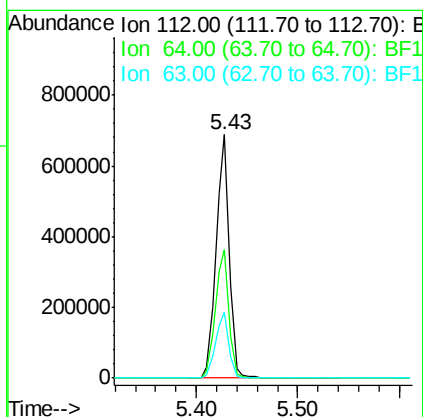
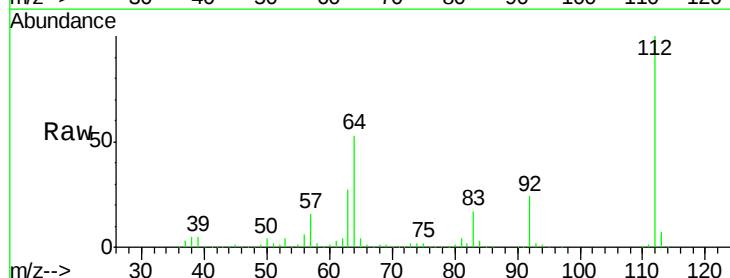
Tot Ion:152 Resp: 191594
Ion Ratio Lower Upper
152 100
150 152.3 125.0 187.6
115 55.0 47.0 70.4

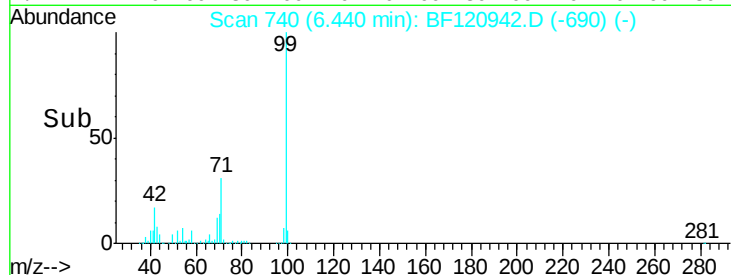
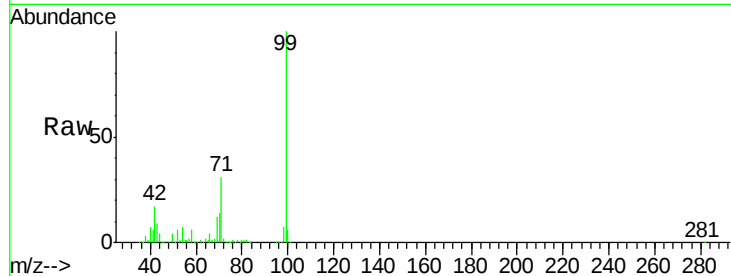


#5

2-Fluorophenol
Concen: 52.984 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF120942.D
Acq: 20 Jul 2020 19:45

Tgt Ion:112 Resp: 619226
Ion Ratio Lower Upper
112 100
64 52.6 41.3 61.9
63 26.8 21.1 31.7





#7

Phenol-d6

Concen: 31.812 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF120942.D

Acq: 20 Jul 2020 19:45

Instrument :

BNA_F

ClientSampleId :

ERM-16R

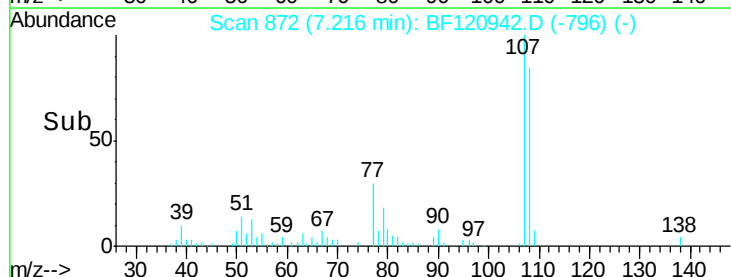
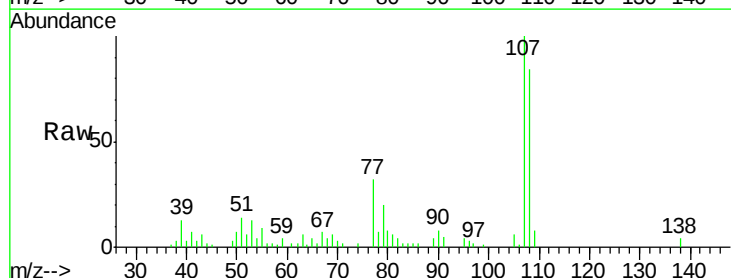
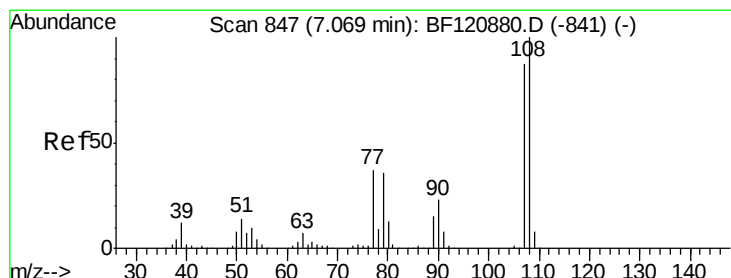
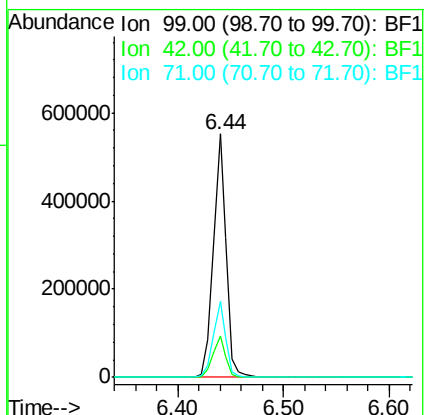
Tot Ion: 99 Resp: 480258

Ion Ratio Lower Upper

99 100

42 17.0 13.1 19.7

71 31.0 24.2 36.4



#17

2-Methylphenol

Concen: 2.446 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.15 min

Lab File: BF120942.D

Acq: 20 Jul 2020 19:45

Tgt Ion: 107 Resp: 27910

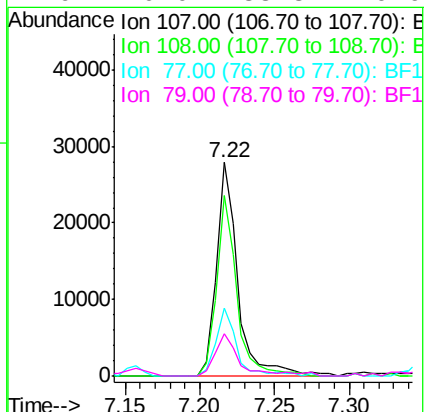
Ion Ratio Lower Upper

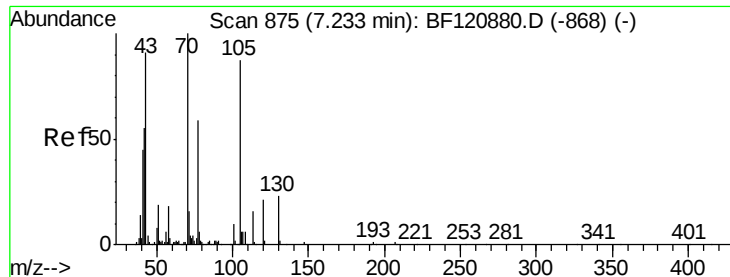
107 100

108 84.3 92.0 138.0#

77 31.7 34.0 51.0#

79 20.0 33.3 49.9#

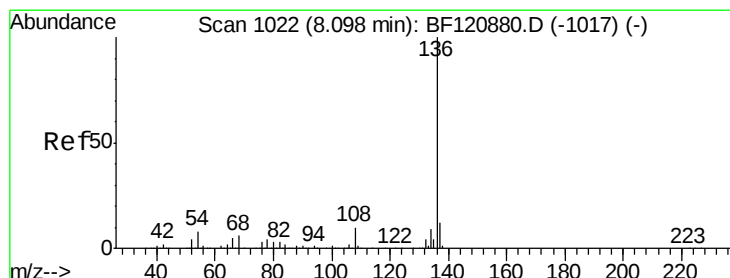
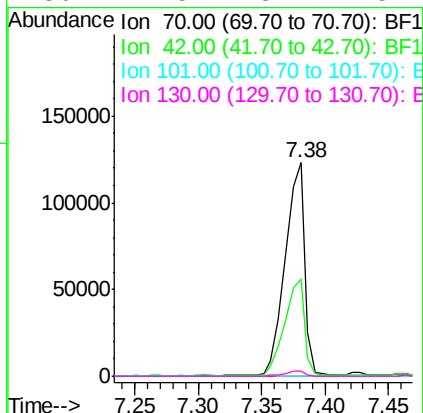
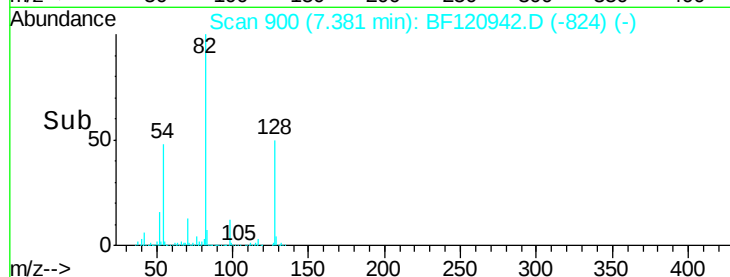
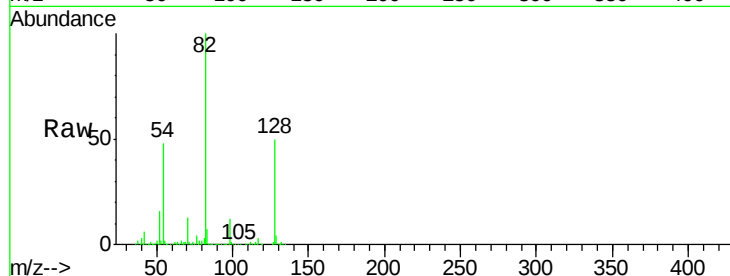




#19
n-Nitroso-di-n-propylamine
Concen: 15.607 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.15 min
Lab File: BF120942.D
Acq: 20 Jul 2020 19:45

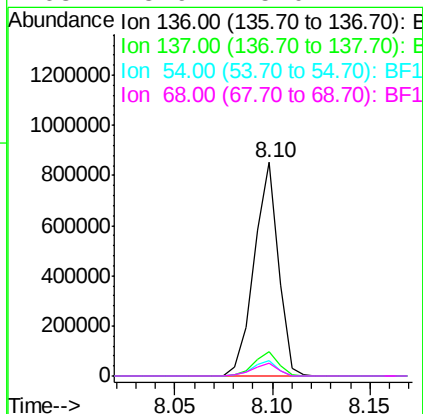
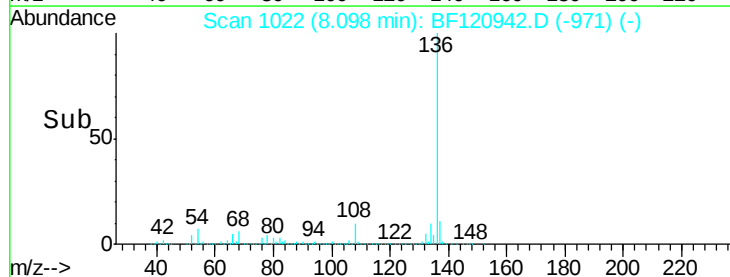
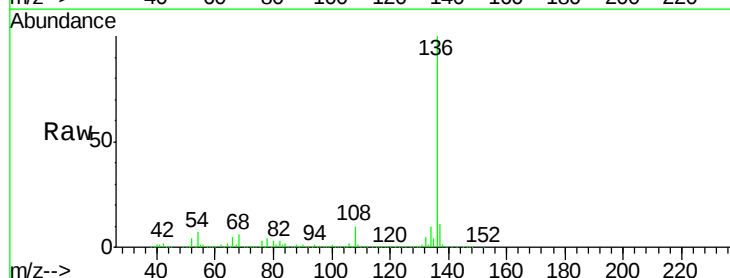
Instrument :
BNA_F
ClientSampleId :
ERM-16R

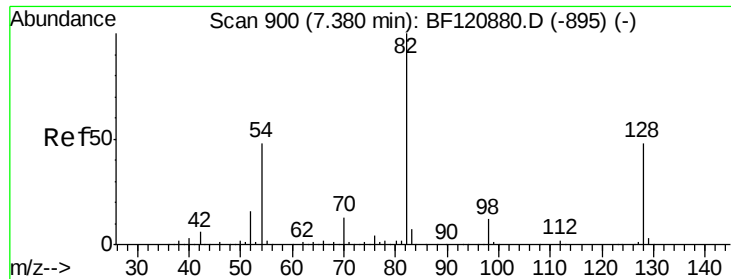
Tot Ion: 70 Resp: 133978
Ion Ratio Lower Upper
70 100
42 45.9 44.0 66.0
101 0.0 7.8 11.6#
130 2.5 18.7 28.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.00 min
Lab File: BF120942.D
Acq: 20 Jul 2020 19:45

Tgt Ion: 136 Resp: 732105
Ion Ratio Lower Upper
136 100
137 11.2 9.3 13.9
54 7.2 6.3 9.5
68 5.9 5.0 7.4

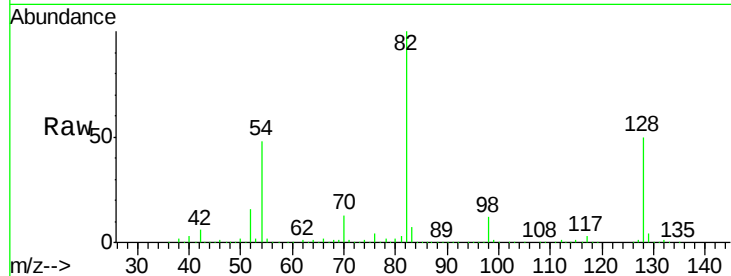




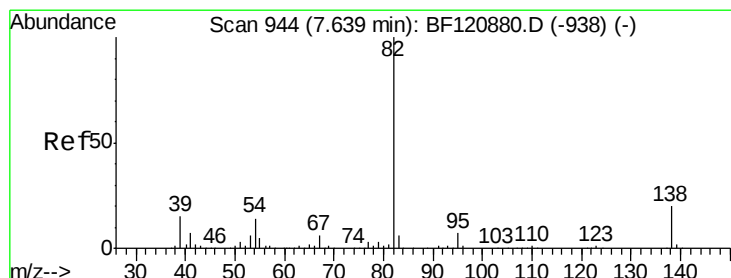
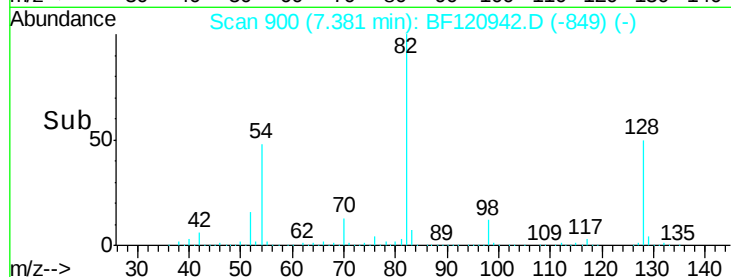
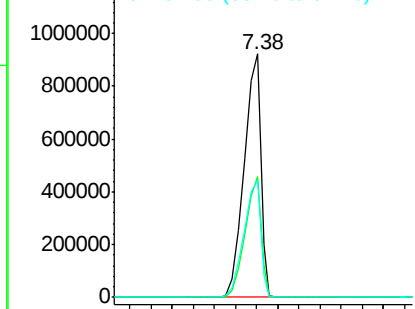
#23
Nitrobenzene-d5
Concen: 78.927 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.00 min
Lab File: BF120942.D
Acq: 20 Jul 2020 19:45

Instrument :
BNA_F
ClientSampleId :
ERM-16R

Tot Ion	82	Resp	998611
Ion Ratio	Lower	Upper	
82	100		
128	49.8	38.2	57.4
54	48.0	38.7	58.1

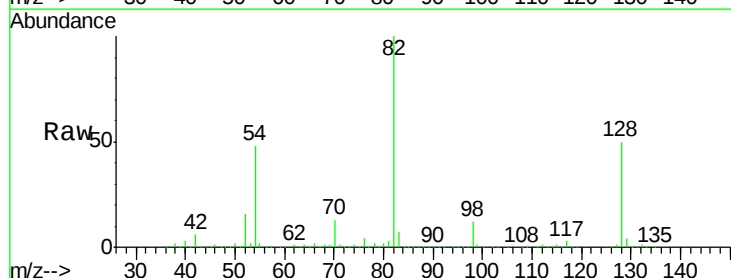


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

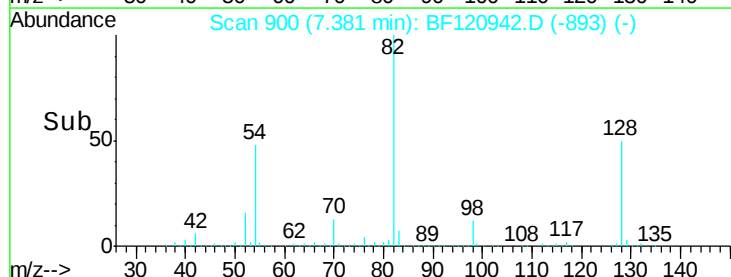
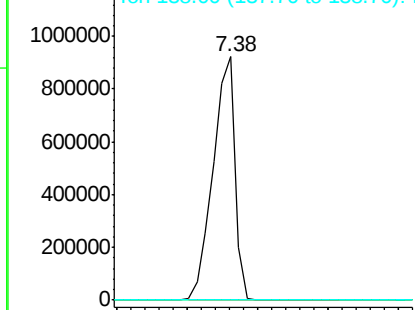


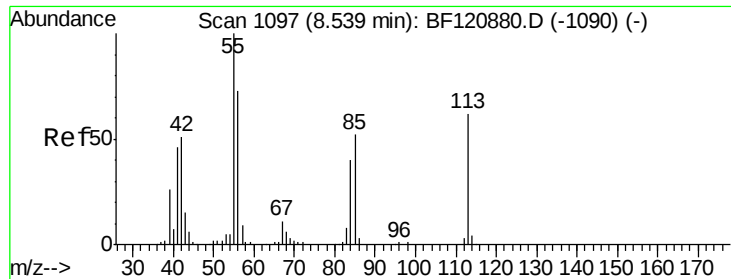
#25
Isophorone
Concen: 39.145 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.26 min
Lab File: BF120942.D
Acq: 20 Jul 2020 19:45

Tgt Ion	82	Resp	988450
Ion Ratio	Lower	Upper	
82	100		
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

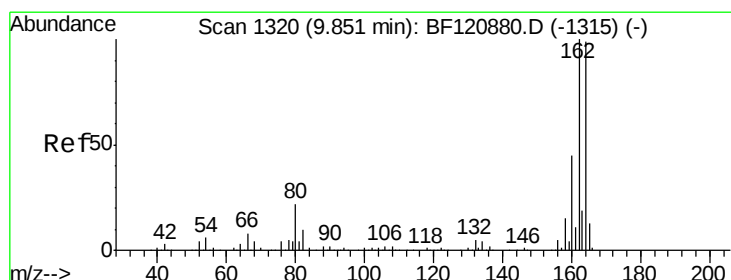
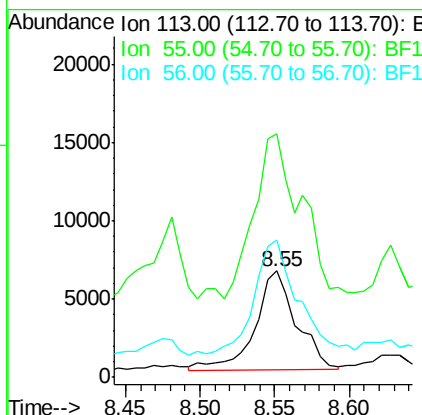
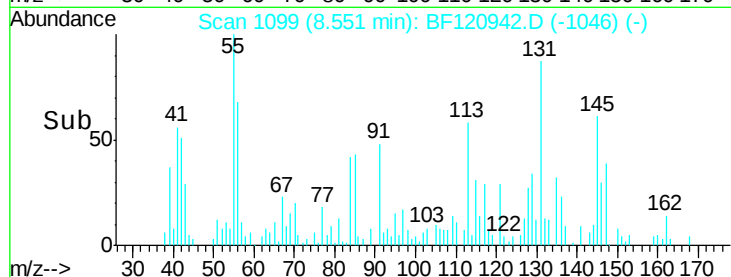
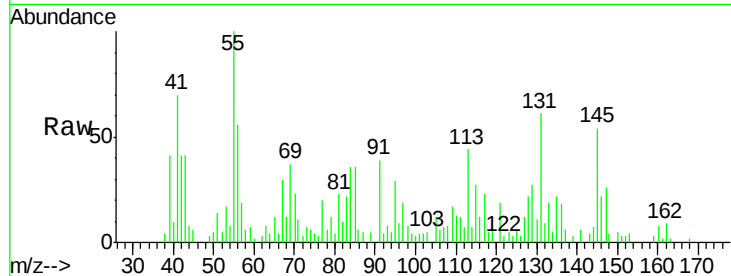




#35
Caprolactam
Concen: 3.464 ng
RT: 8.55 min Scan# 1099
Delta R.T. 0.01 min
Lab File: BF120942.D
Acq: 20 Jul 2020 19:45

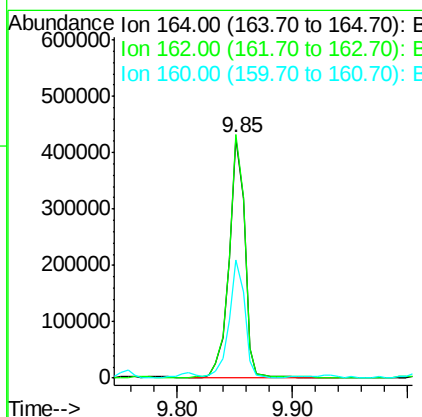
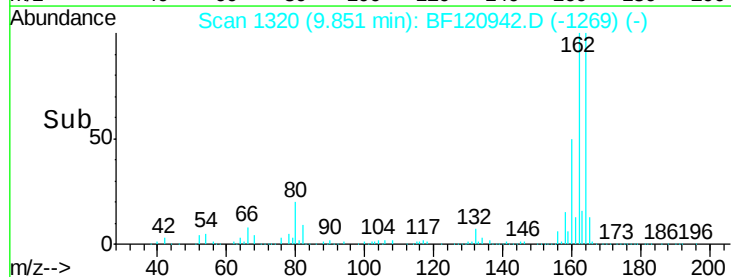
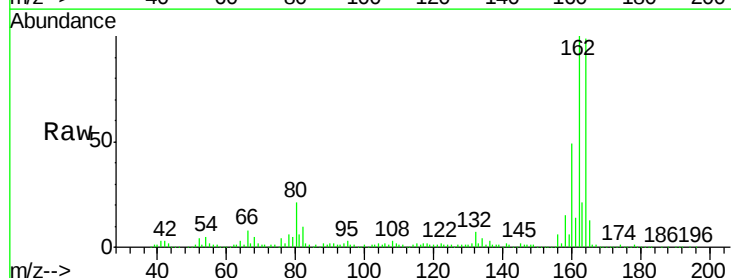
Instrument :
BNA_F
ClientSampled :
ERM-16R

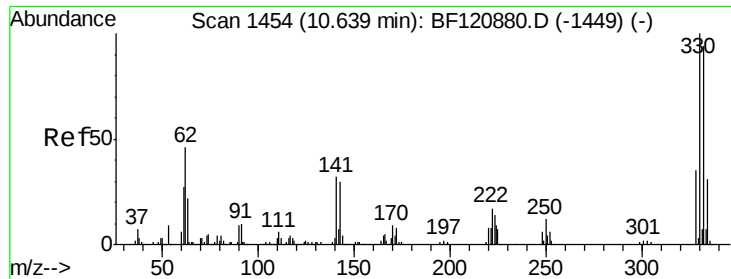
Tot Ion:113 Resp: 11937
Ion Ratio Lower Upper
113 100
55 229.2 143.3 183.3#
56 129.4 99.4 139.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF120942.D
Acq: 20 Jul 2020 19:45

Tgt Ion:164 Resp: 396281
Ion Ratio Lower Upper
164 100
162 101.4 81.2 121.8
160 49.2 36.9 55.3





#42

2,4,6-Tribromophenol

Concen: 111.854 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BF120942.D

Acq: 20 Jul 2020 19:45

Instrument :

BNA_F

ClientSampleId :

ERM-16R

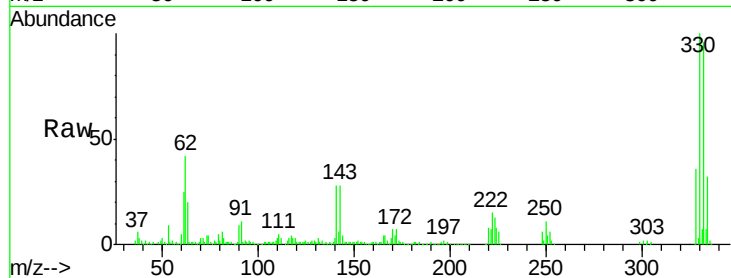
Tot Ion:330 Resp: 485188

Ion Ratio Lower Upper

330 100

332 96.1 75.5 113.3

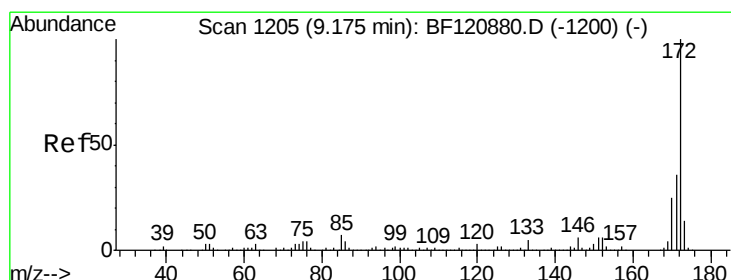
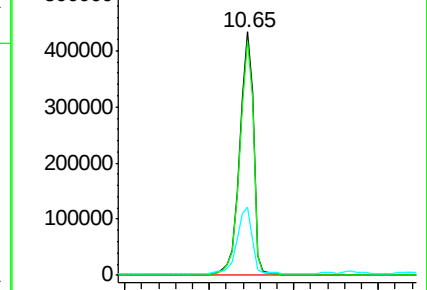
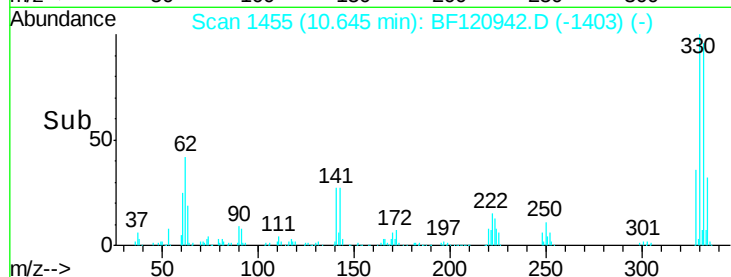
141 29.3 25.7 38.5



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: 63.435 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF120942.D

Acq: 20 Jul 2020 19:45

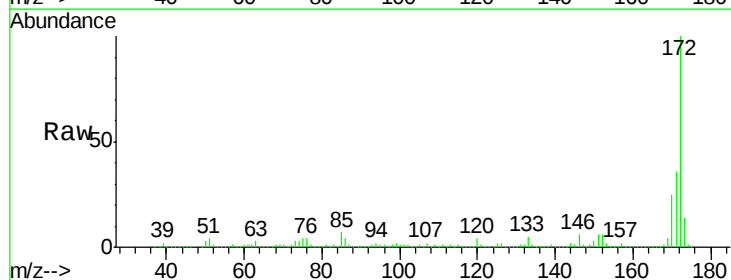
Tgt Ion:172 Resp: 1683689

Ion Ratio Lower Upper

172 100

171 36.4 29.0 43.4

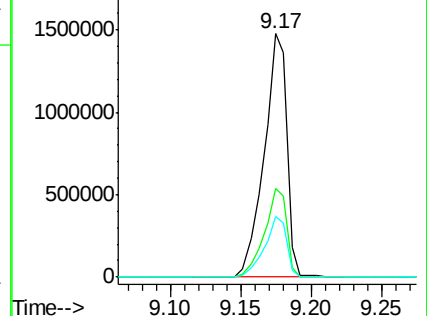
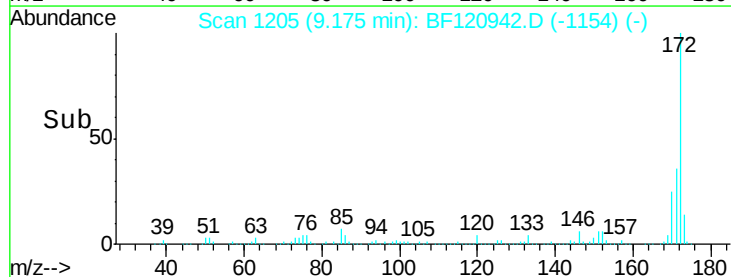
170 25.0 19.6 29.4

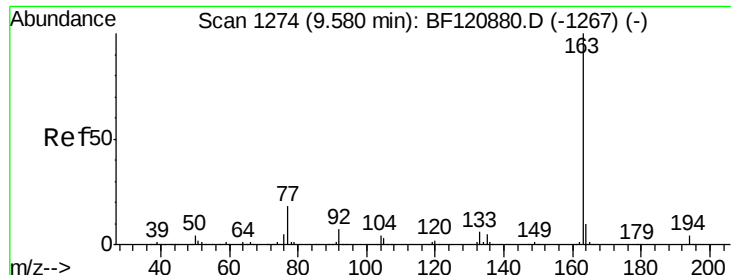


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 10.037 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF120942.D

Acq: 20 Jul 2020 19:45

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ClientSampleId :

ERM-16R

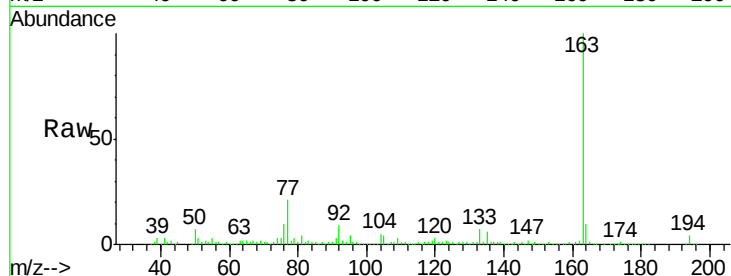
Tot Ion:163 Resp: 286945

Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

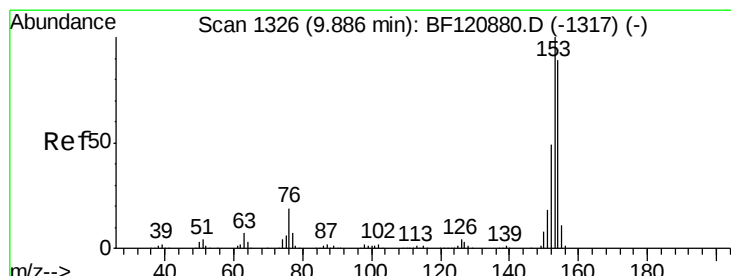
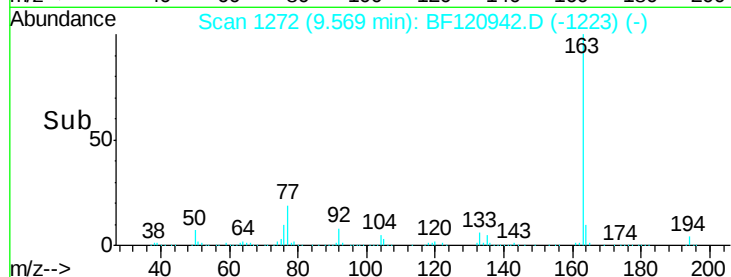
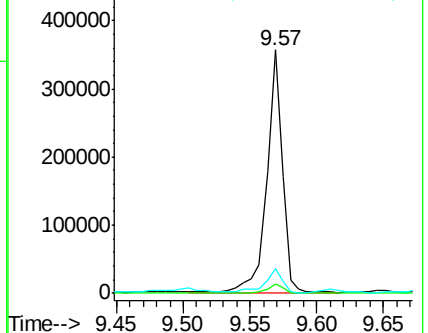
164 10.3 7.9 11.9



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: 2.412 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF120942.D

Acq: 20 Jul 2020 19:45

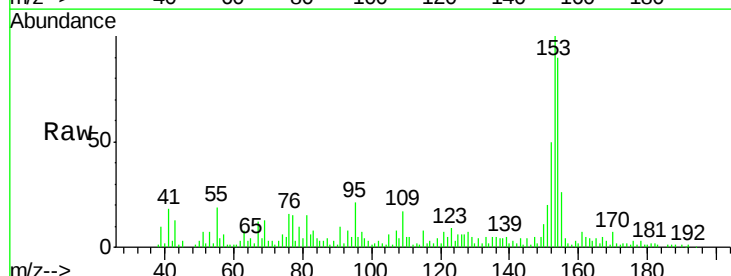
Tgt Ion:154 Resp: 58713

Ion Ratio Lower Upper

154 100

153 111.7 89.5 134.3

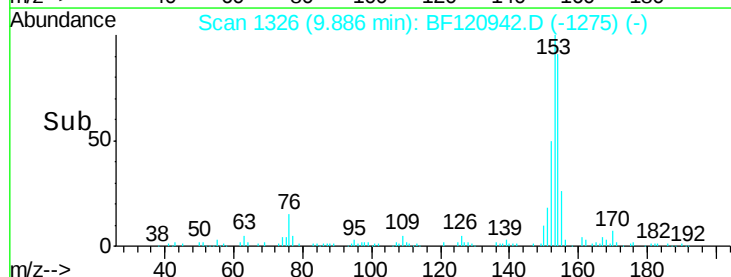
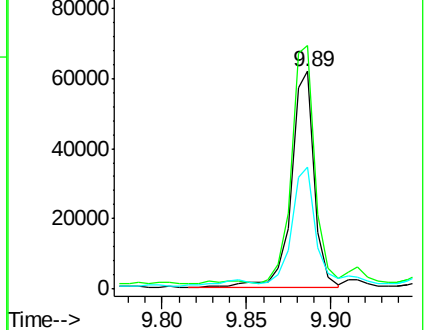
152 56.0 44.2 66.2

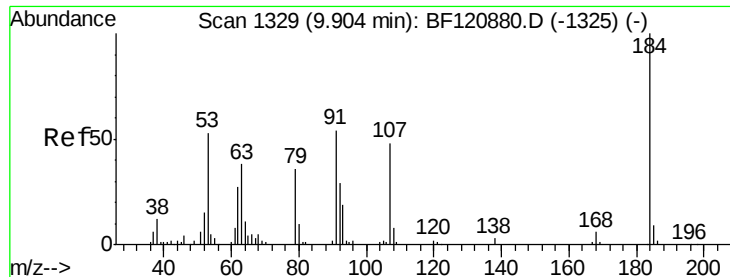


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

2,4-Dinitrophenol

Concen: 6.866 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF120942.D

Acq: 20 Jul 2020 19:45

Instrument :

BNA_F

ClientSampleId :

ERM-16R

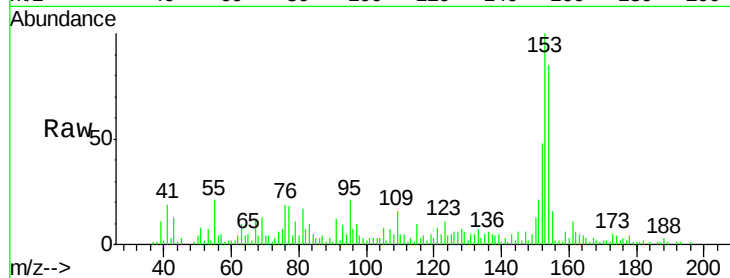
Tot Ion:184 Resp: 125

Ion Ratio Lower Upper

184 100

63 1915.3 57.9 86.9#

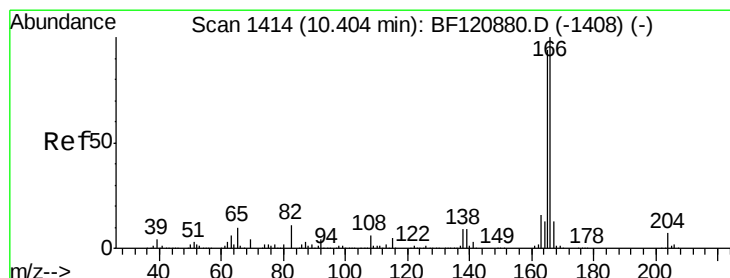
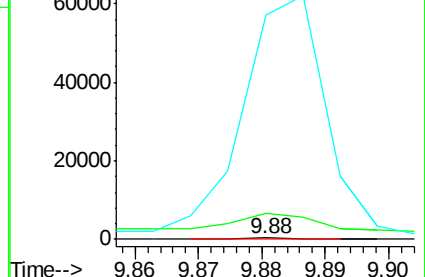
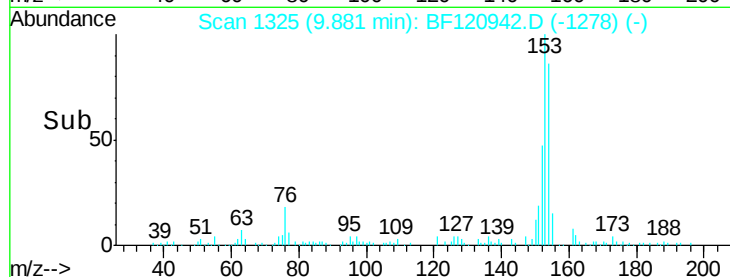
154 16213.0 52.6 78.8#



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: 2.456 ng

RT: 10.40 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BF120942.D

Acq: 20 Jul 2020 19:45

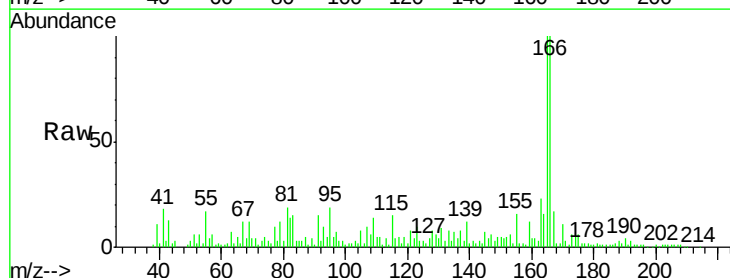
Tgt Ion:166 Resp: 64476

Ion Ratio Lower Upper

166 100

165 99.5 75.4 113.0

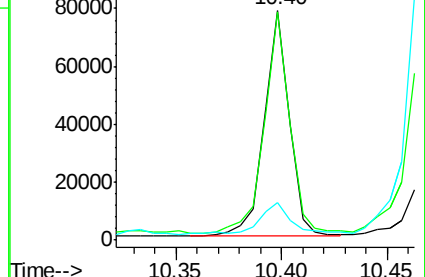
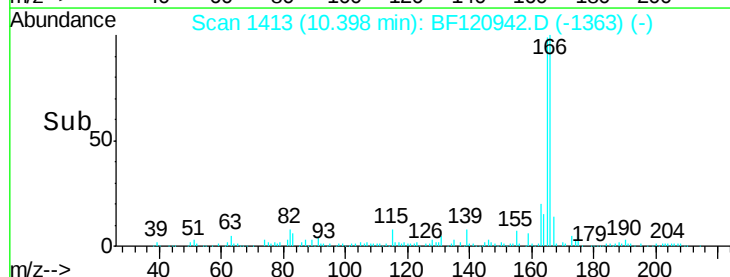
167 16.5 10.6 15.8#

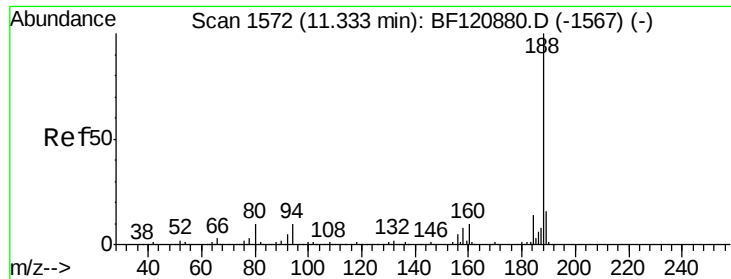


Abundance Ion 166.00 (165.70 to 166.70): E

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: BF120942.D

Acq: 20 Jul 2020 19:45

Instrument :

BNA_F

ClientSampleId :

ERM-16R

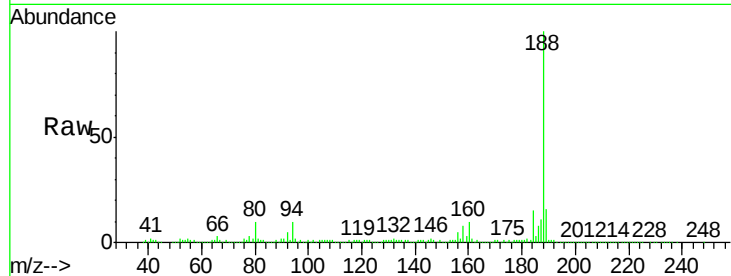
Tot Ion:188 Resp: 720359

Ion Ratio Lower Upper

188 100

94 9.9 8.0 12.0

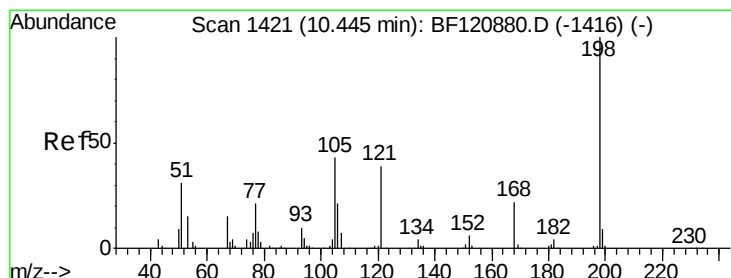
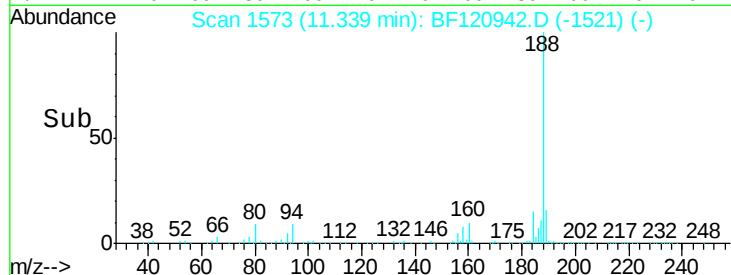
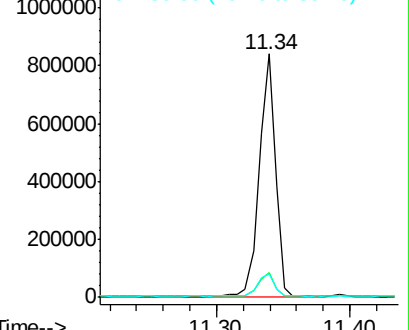
80 9.9 8.3 12.5



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: 4.315 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.03 min

Lab File: BF120942.D

Acq: 20 Jul 2020 19:45

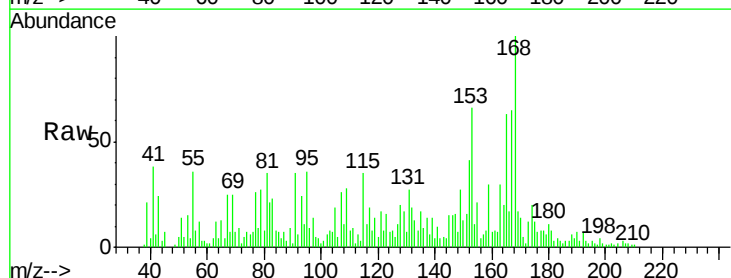
Tgt Ion:198 Resp: 2139

Ion Ratio Lower Upper

198 100

51 311.3 19.5 59.5#

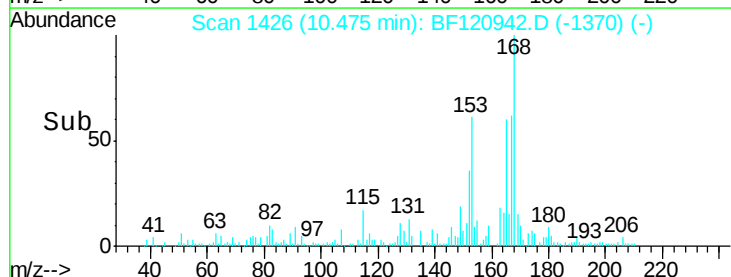
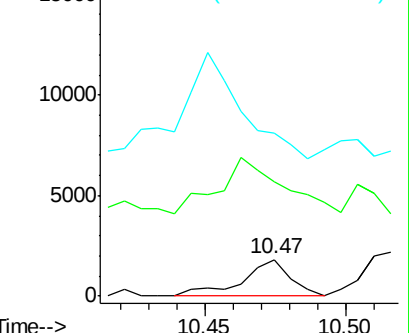
105 444.5 24.4 64.4#

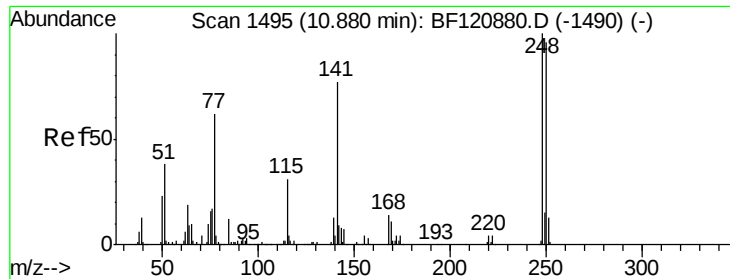


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

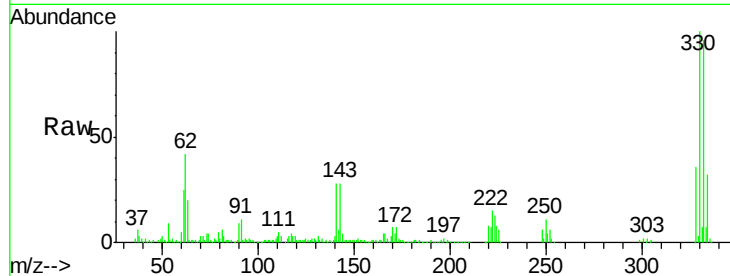




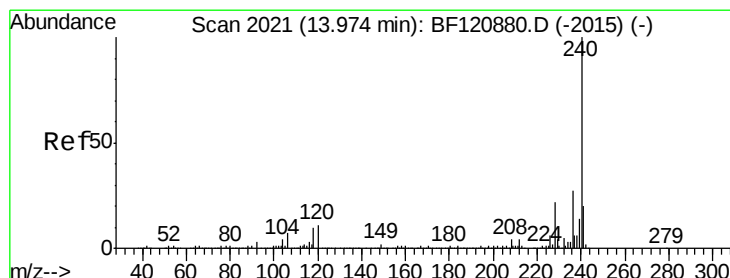
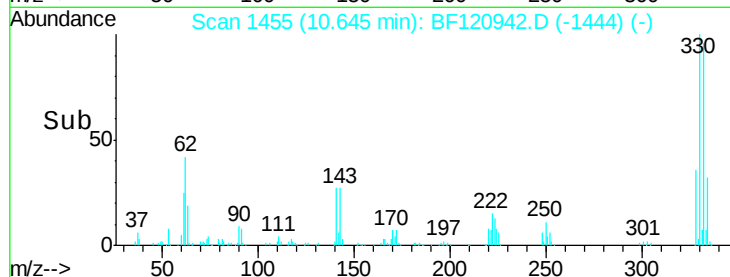
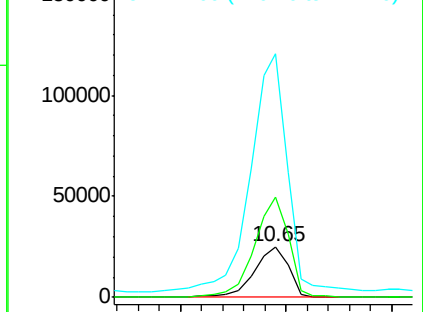
#67
4-Bromophenyl-phenylether
Concen: 3.530 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.24 min
Lab File: BF120942.D
Acq: 20 Jul 2020 19:45

Instrument :
BNA_F
ClientSampleId :
ERM-16R

Tot Ion:248 Resp: 28354
Ion Ratio Lower Upper
248 100
250 198.2 77.1 115.7#
141 480.7 61.2 91.8#

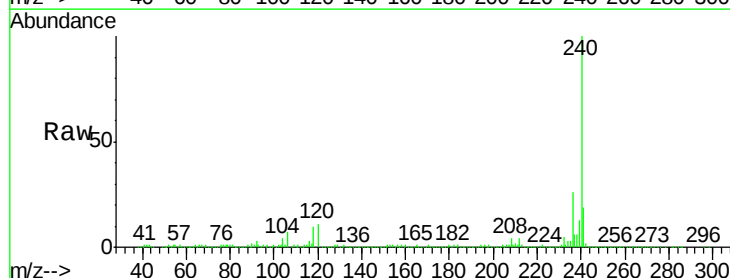


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

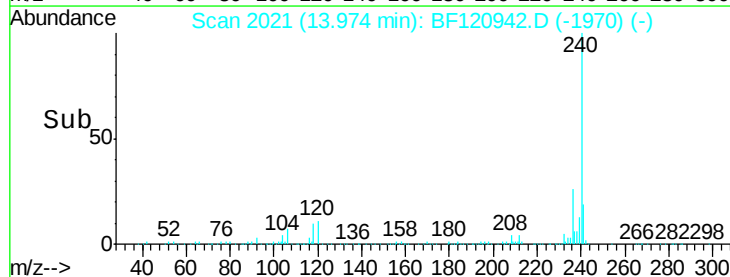
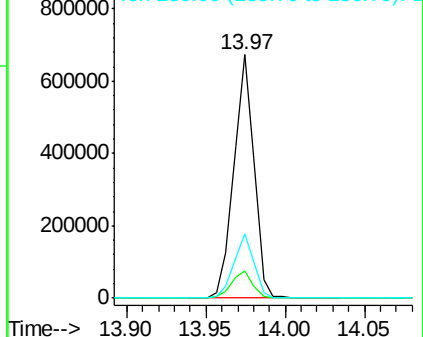


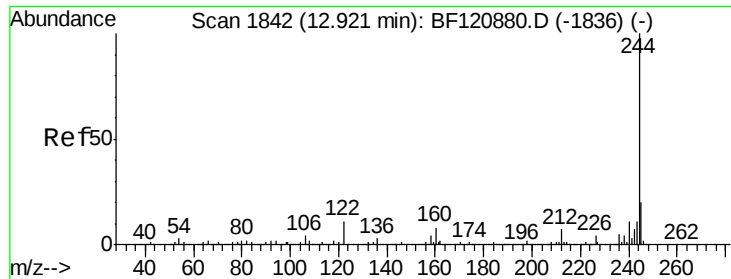
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF120942.D
Acq: 20 Jul 2020 19:45

Tgt Ion:240 Resp: 592306
Ion Ratio Lower Upper
240 100
120 11.4 9.0 13.4
236 26.5 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: 65.406 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.01 min

Lab File: BF120942.D

Acq: 20 Jul 2020 19:45

Instrument :

BNA_F

ClientSampleId :

ERM-16R

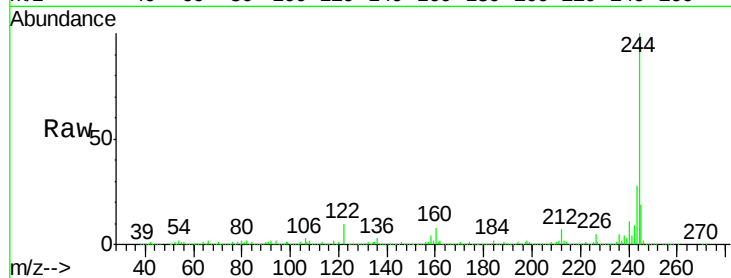
Tot Ion:244 Resp: 1782158

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

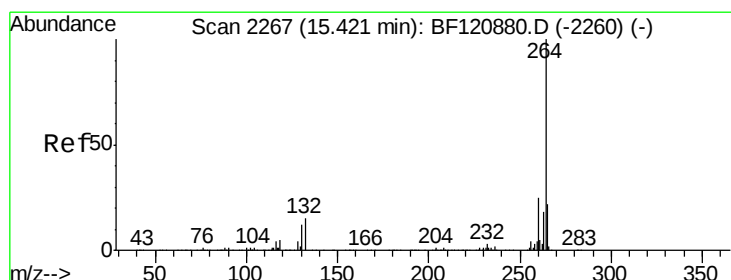
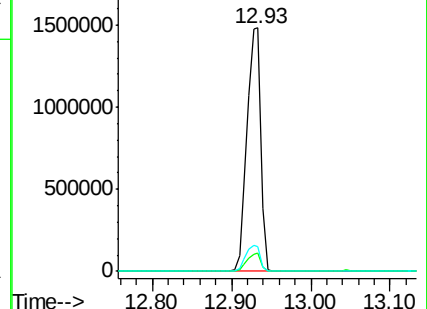
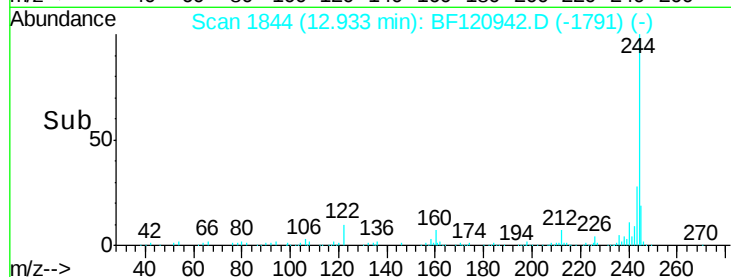
122 10.1 8.9 13.3



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: BF120942.D

Acq: 20 Jul 2020 19:45

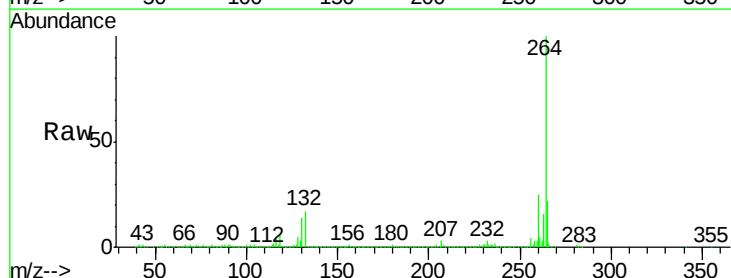
Tgt Ion:264 Resp: 472070

Ion Ratio Lower Upper

264 100

260 24.9 20.0 30.0

265 21.9 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

