

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
 Data File : BF121411.D
 Acq On : 24 Aug 2020 21:30
 Operator : JU/CG
 Sample : L3719-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPLP-AMENDED-DISCRETE-004

Quant Time: Aug 25 03:23:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

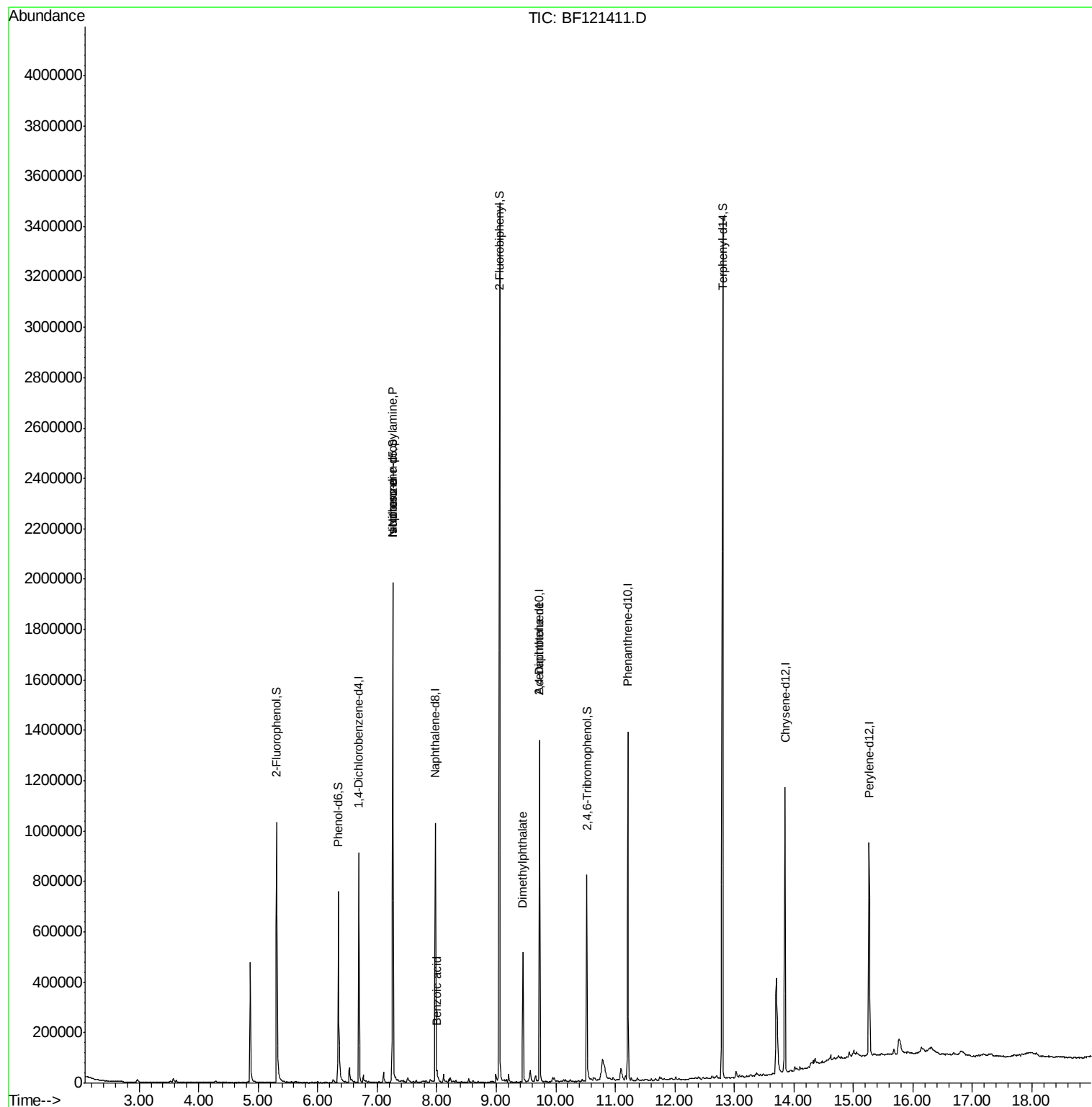
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	131814	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	519120	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	267899	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	526970	20.00	ng	0.00
76) Chrysene-d12	13.85	240	376079	20.00	ng	0.00
86) Perylene-d12	15.26	264	372724	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	351864	43.77	ng	0.01
7) Phenol-d6	6.35	99	314271	30.62	ng	0.00
23) Nitrobenzene-d5	7.26	82	682429	74.35	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	118655	38.01	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1207618	86.81	ng	0.00
79) Terphenyl-d14	12.80	244	1268090	65.89	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	90539	16.405	ng	# 77
20) 3+4-Methylphenols	6.86	107	122	Below Cal	#	56
25) Isophorone	7.26	82	671752	40.215	ng	# 65
32) Benzoic acid	8.00	122	126	7.085	ng	# 1
50) Dimethylphthalate	9.45	163	226843	11.639	ng	98
55) Dibenzofuran	9.93	168	519	Below Cal	#	55
57) 2,4-Dinitrotoluene	9.73	165	34312	6.757	ng	# 25
58) Fluorene	10.27	166	459	Below Cal	#	88

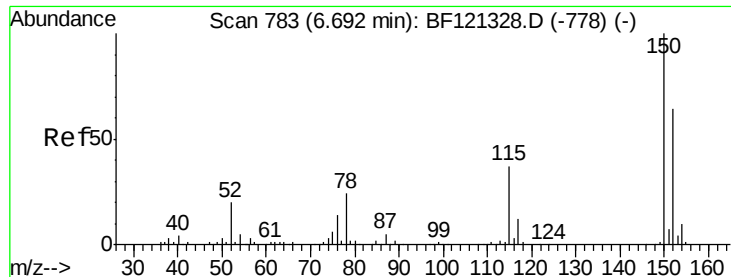
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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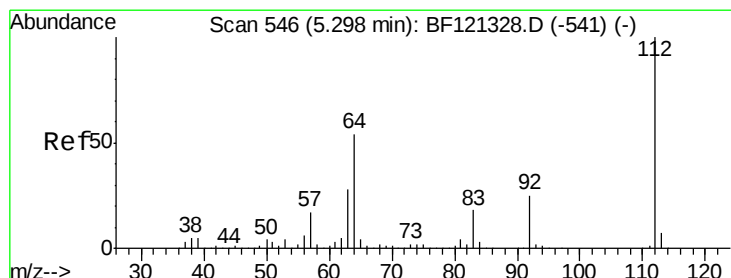
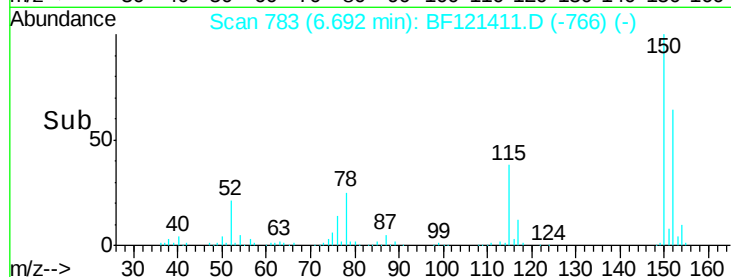
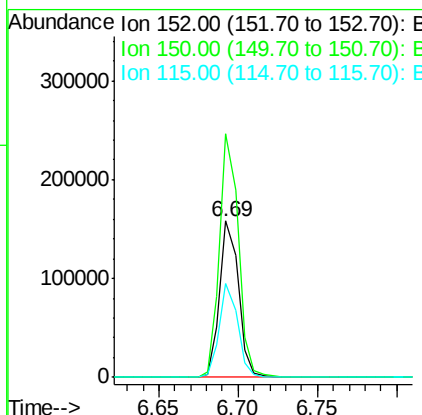
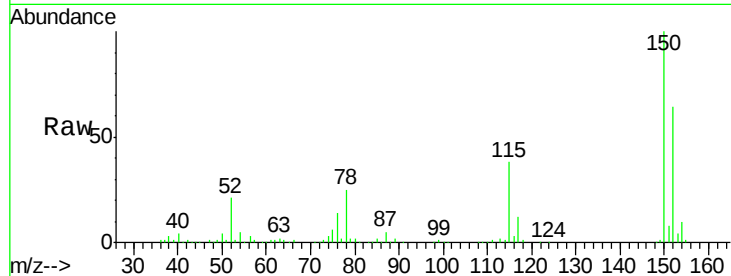


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF121411.D
Acq: 24 Aug 2020 21:30

Instrument :
BNA_F
ClientSampleId :
SPLP-AMENDED-DISCRETE-004

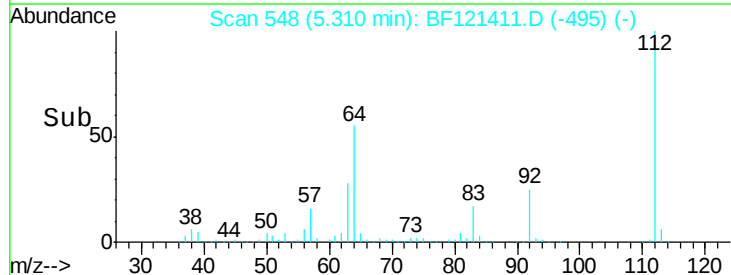
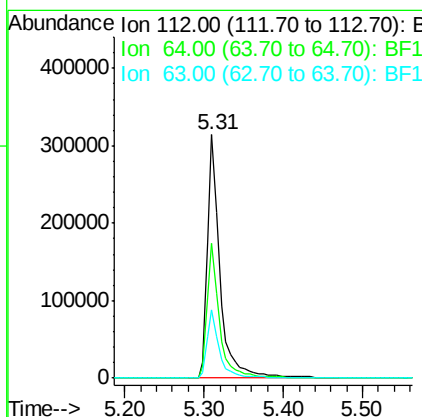
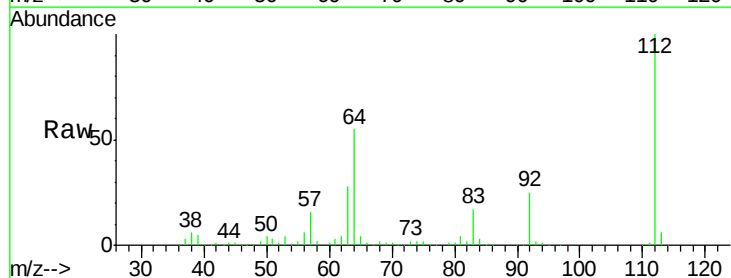
Tot Ion:152 Resp: 131814
Ion Ratio Lower Upper
152 100
150 155.9 124.8 187.2
115 59.9 46.1 69.1

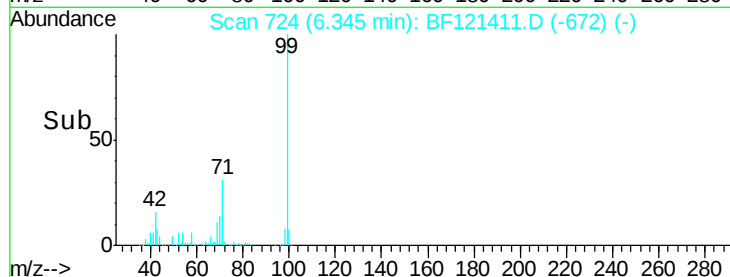
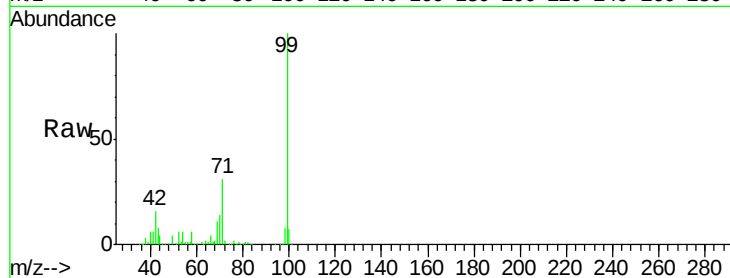
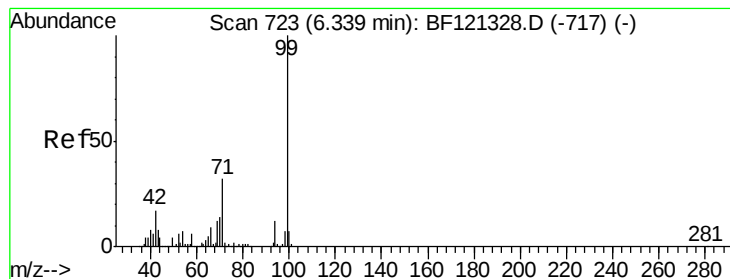


#5

2-Fluorophenol
Concen: 43.771 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF121411.D
Acq: 24 Aug 2020 21:30

Tgt Ion:112 Resp: 351864
Ion Ratio Lower Upper
112 100
64 55.4 43.5 65.3
63 28.1 22.0 33.0





#7

Phenol-d6

Concen: 30.624 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121411.D

Acq: 24 Aug 2020 21:30

Instrument :

BNA_F

ClientSampleId :

SPLP-AMENDED-DISCRETE-004

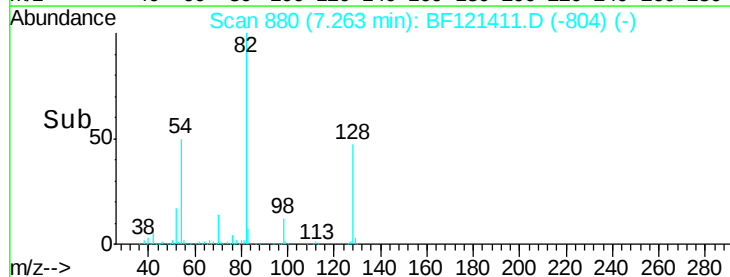
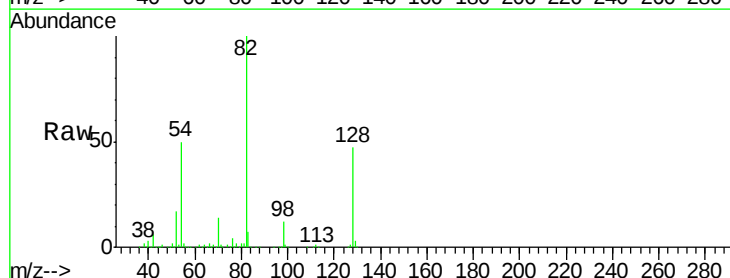
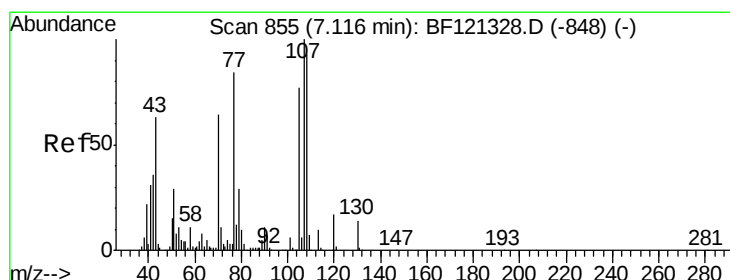
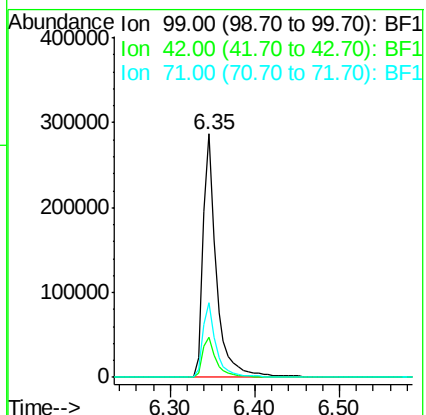
Tot Ion: 99 Resp: 314271

Ion Ratio Lower Upper

99 100

42 16.5 13.5 20.3

71 30.8 25.2 37.8



#19

n-Nitroso-di-n-propylamine

Concen: 16.405 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.15 min

Lab File: BF121411.D

Acq: 24 Aug 2020 21:30

Tgt Ion: 70 Resp: 90539

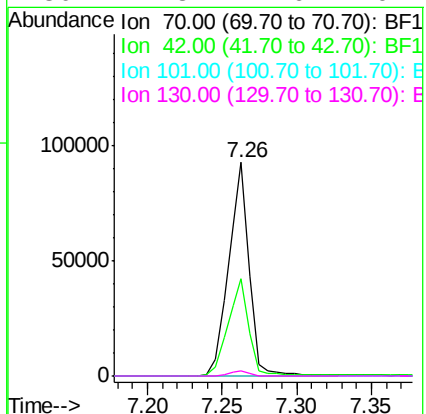
Ion Ratio Lower Upper

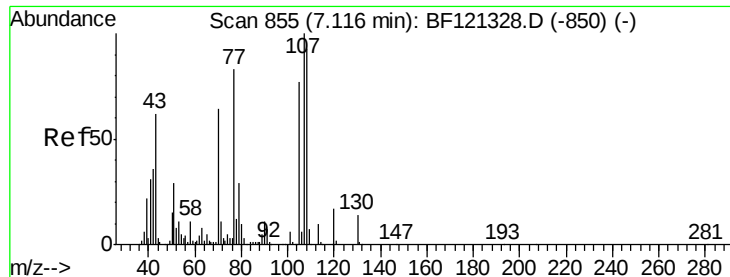
70 100

42 45.7 45.2 67.8

101 0.0 7.7 11.5#

130 2.3 17.6 26.4#

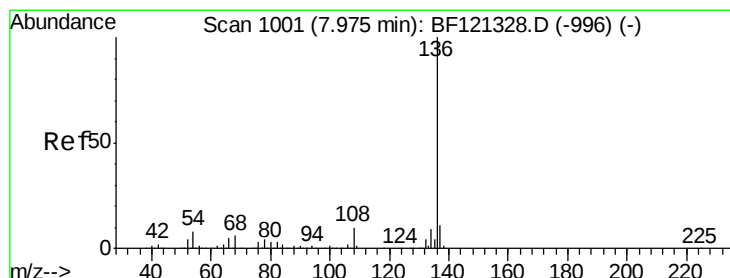
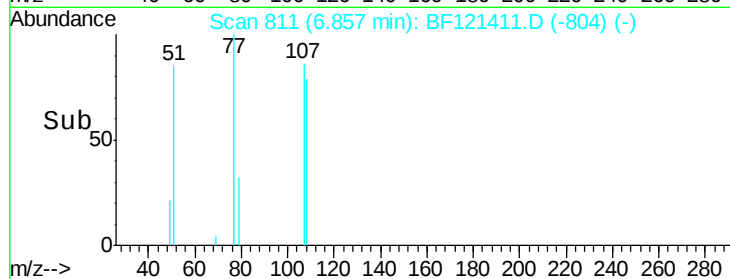
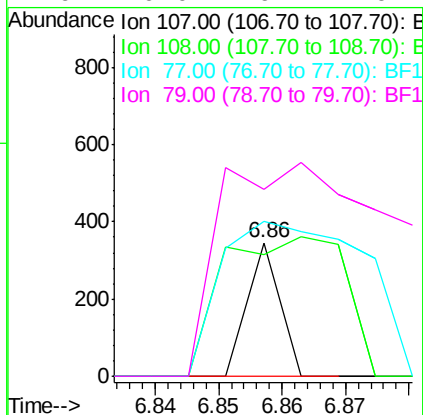
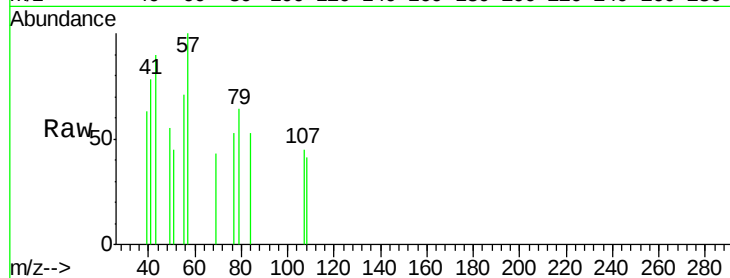




#20
 3+4-Methylphenols
 Concen: Below Cal
 RT: 6.86 min Scan# 811
 Delta R.T. -0.26 min
 Lab File: BF121411.D
 Acq: 24 Aug 2020 21:30

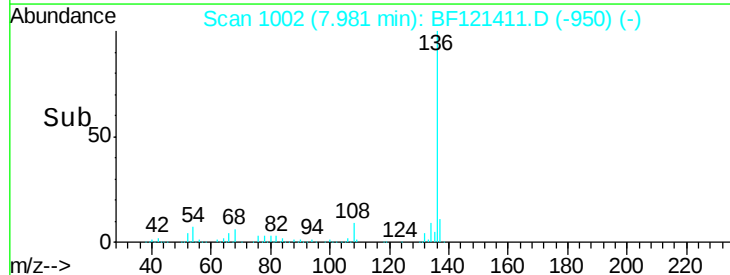
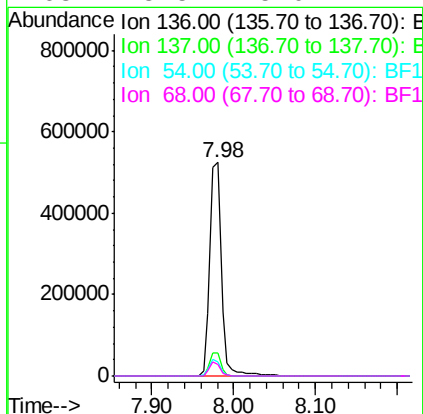
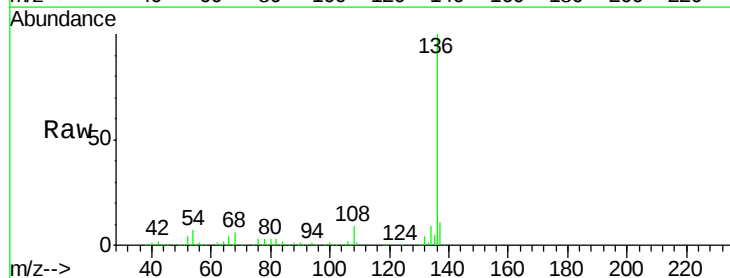
Instrument :
 BNA_F
 ClientSampleId :
 SPLP-AMENDED-DISCRETE-004

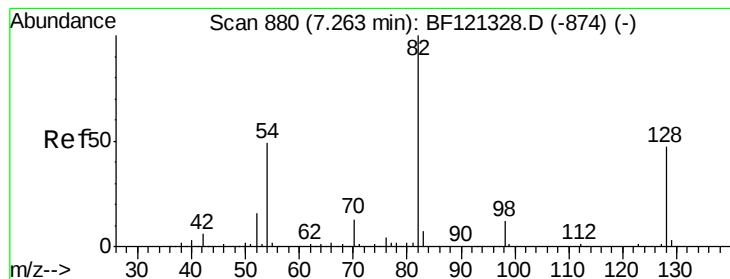
Tot Ion	Ratio	Lower	Upper
107	100		
108	91.3	72.6	112.6
77	115.9	63.8	103.8#
79	140.0	9.1	49.1#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 7.98 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: BF121411.D
 Acq: 24 Aug 2020 21:30

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	6.9	6.1	9.1
68	5.5	5.0	7.4





#23

Nitrobenzene-d5

Concen: 74.348 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF121411.D

Acq: 24 Aug 2020 21:30

Instrument :

BNA_F

ClientSampleId :

SPLP-AMENDED-DISCRETE-004

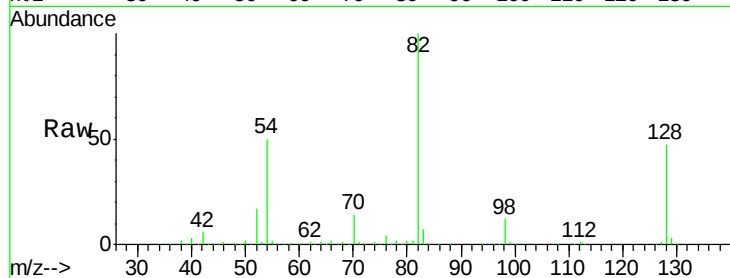
Tot Ion: 82 Resp: 682429

Ion Ratio Lower Upper

82 100

128 47.1 37.9 56.9

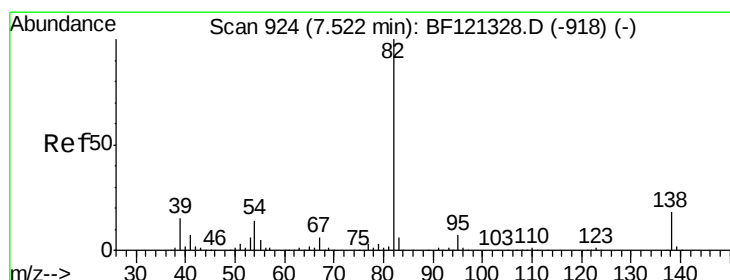
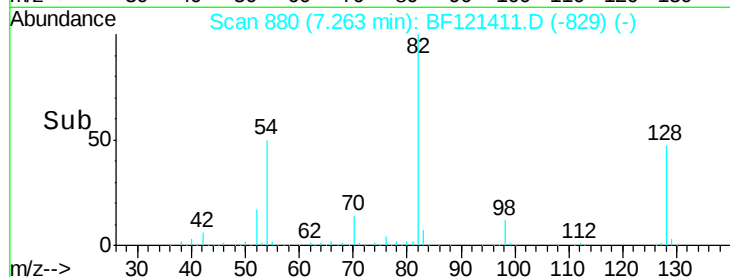
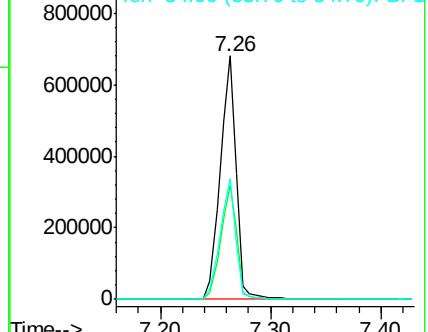
54 49.5 39.0 58.4



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: 40.215 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.26 min

Lab File: BF121411.D

Acq: 24 Aug 2020 21:30

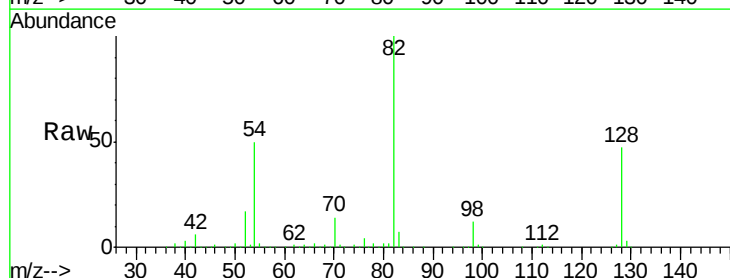
Tgt Ion: 82 Resp: 671752

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

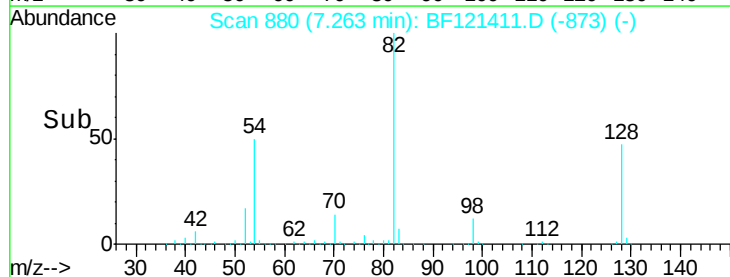
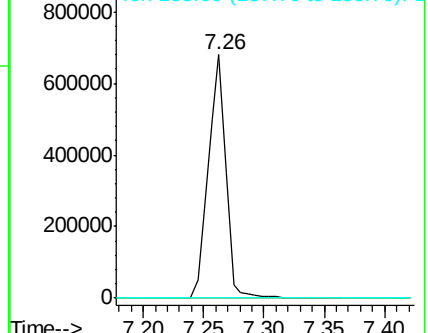
138 0.0 14.6 21.8#

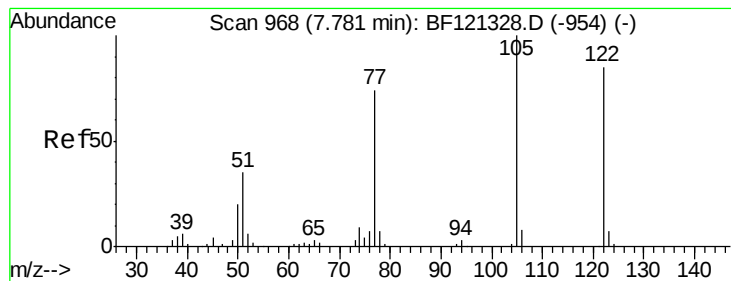


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#32

Benzoic acid

Concen: 7.085 ng

RT: 8.00 min Scan# 1006

Delta R.T. 0.22 min

Lab File: BF121411.D

Acq: 24 Aug 2020 21:30

Instrument :

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SPLP-AMENDED-DISCRETE-004

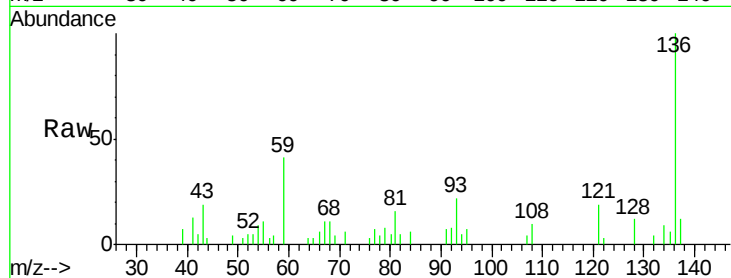
Tot Ion:122 Resp: 126

Ion Ratio Lower Upper

122 100

105 0.0 96.7 136.7#

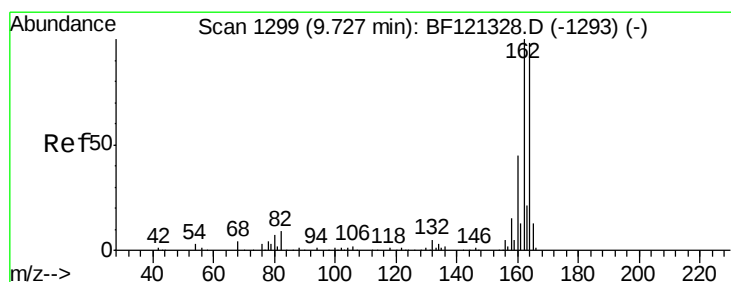
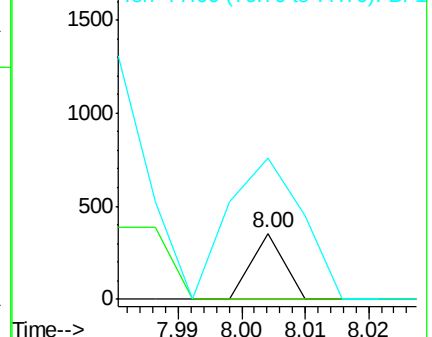
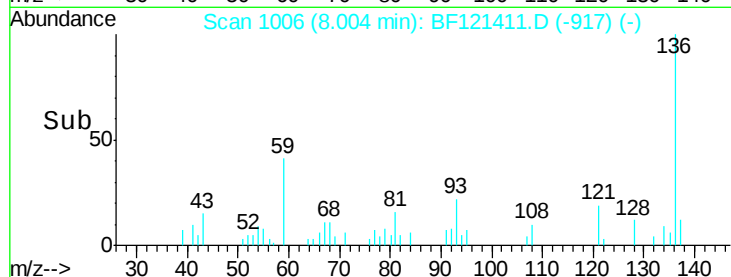
77 212.1 66.7 106.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BF121411.D

Acq: 24 Aug 2020 21:30

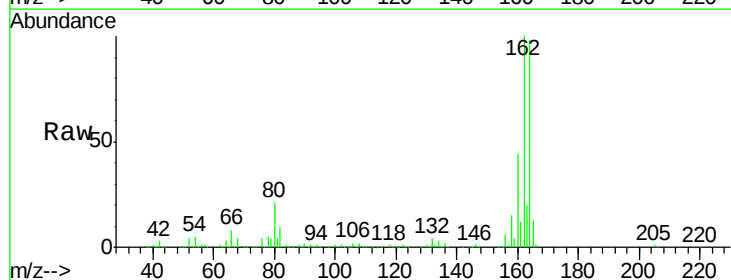
Tgt Ion:164 Resp: 267899

Ion Ratio Lower Upper

164 100

162 102.1 81.7 122.5

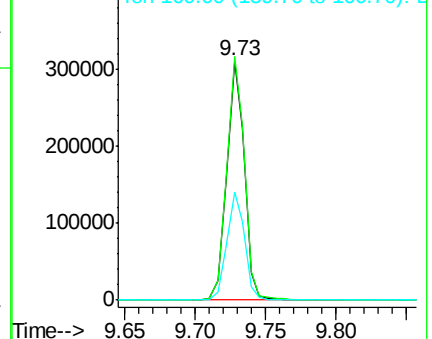
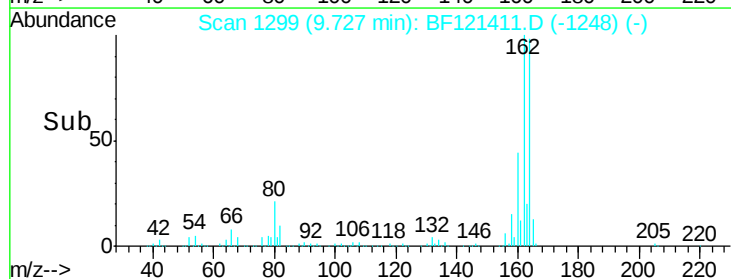
160 45.4 37.0 55.4

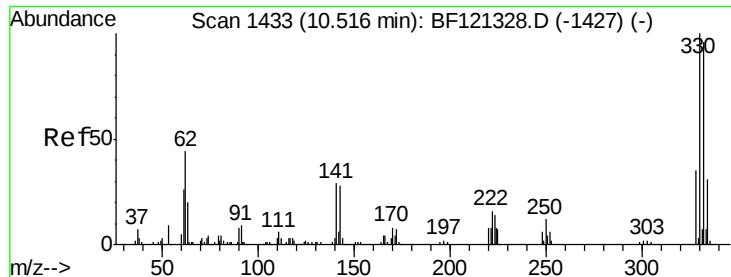


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

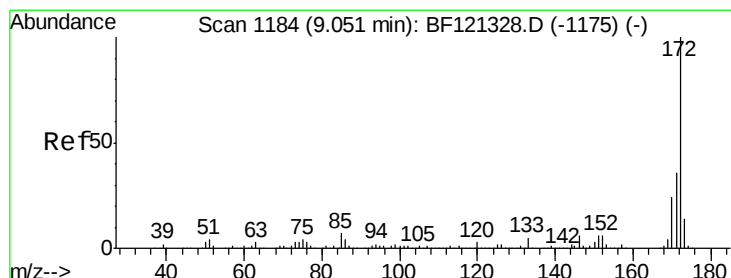
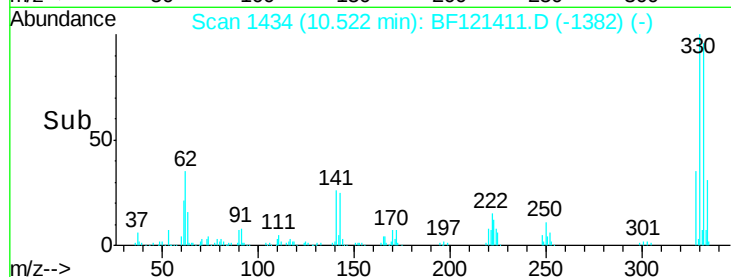
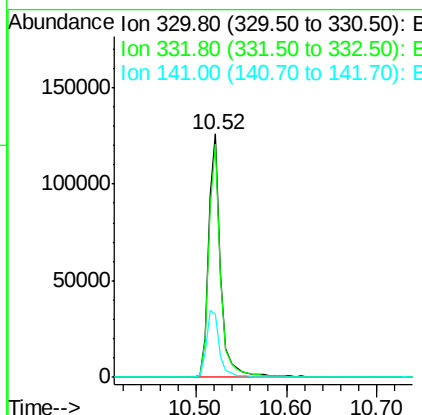
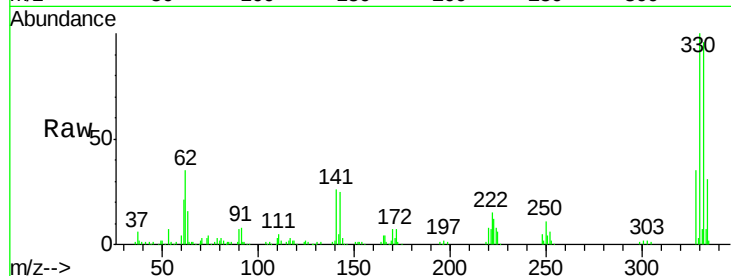




#42
 2,4,6-Tribromophenol
 Concen: 38.008 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BF121411.D
 Acq: 24 Aug 2020 21:30

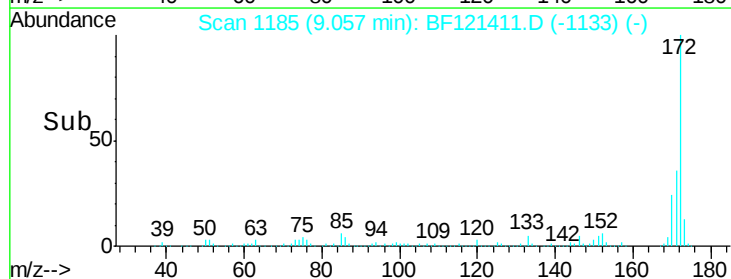
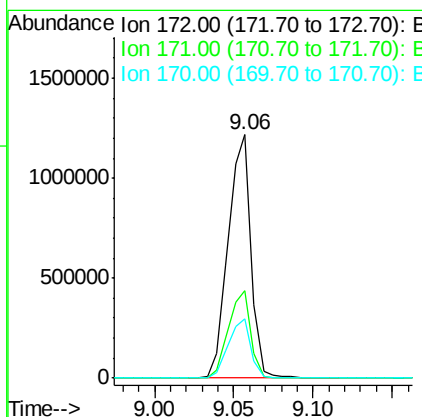
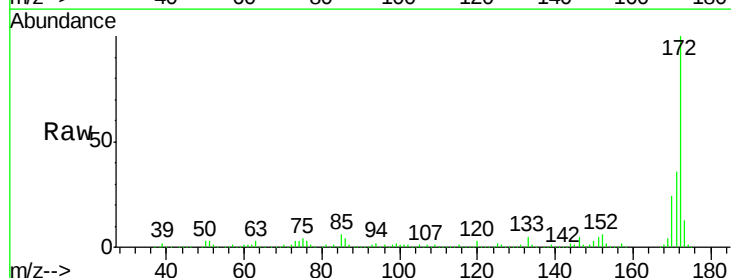
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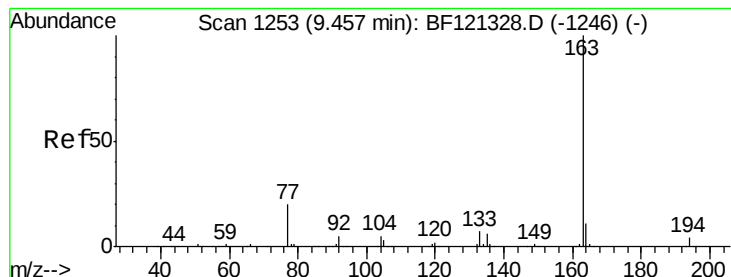
Tot Ion:330 Resp: 118655
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.9 115.3
 141 30.1 22.8 34.2



#45
 2-Fluorobiphenyl
 Concen: 86.810 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: BF121411.D
 Acq: 24 Aug 2020 21:30

Tgt Ion:172 Resp: 1207618
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.6
 170 24.4 19.4 29.2





#50

Dimethylphthalate

Concen: 11.639 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF121411.D

Acq: 24 Aug 2020 21:30

Instrument :

BNA_F

ClientSampleId :

SPLP-AMENDED-DISCRETE-004

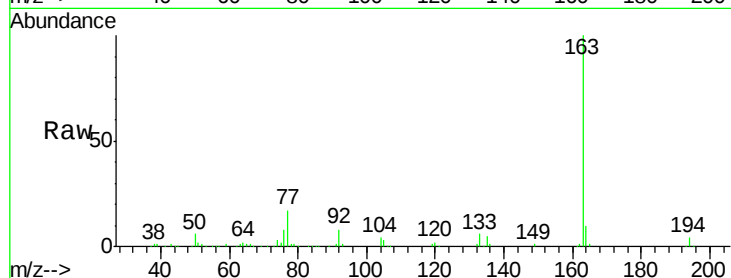
Tot Ion:163 Resp: 226843

Ion Ratio Lower Upper

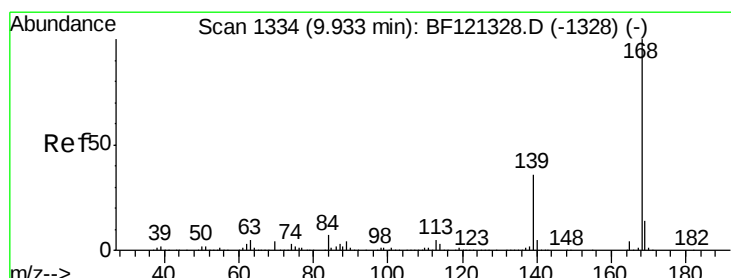
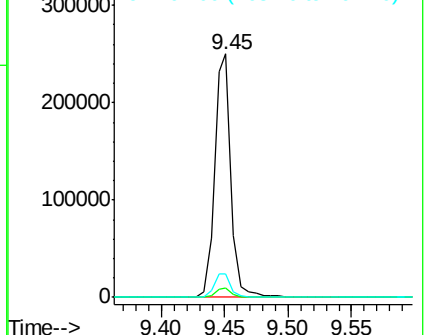
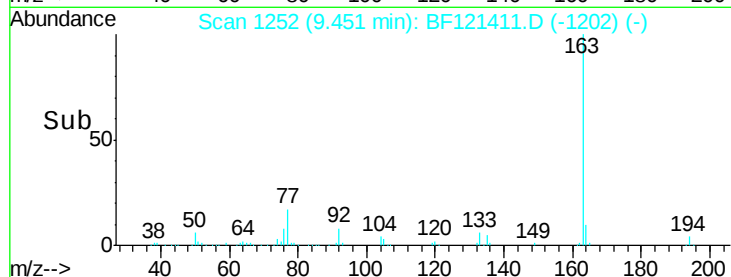
163 100

194 3.6 3.0 4.6

164 9.7 8.4 12.6



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



#55

Dibenzofuran

Concen: Below Cal

RT: 9.93 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BF121411.D

Acq: 24 Aug 2020 21:30

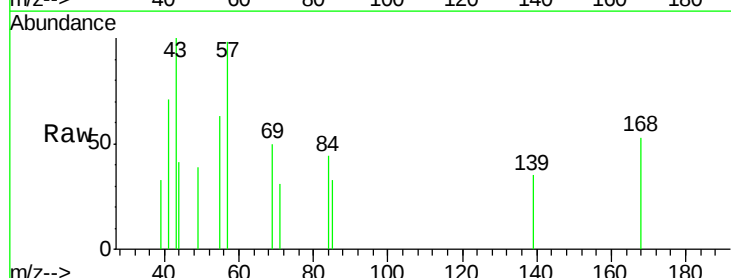
Tgt Ion:168 Resp: 519

Ion Ratio Lower Upper

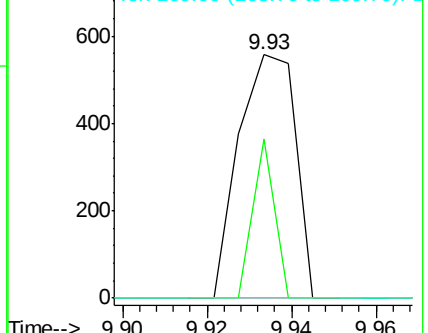
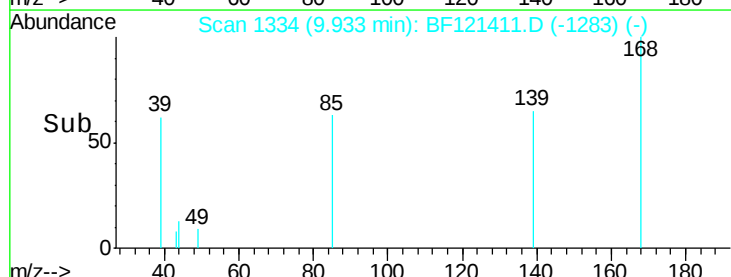
168 100

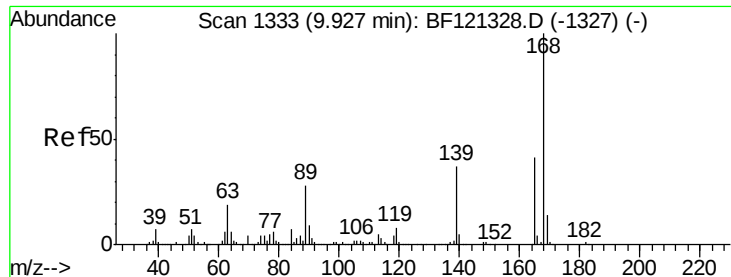
139 65.2 29.1 43.7#

169 0.0 11.0 16.6#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

2,4-Dinitrotoluene

Concen: 6.757 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.20 min

Lab File: BF121411.D

Acq: 24 Aug 2020 21:30

Instrument :

BNA_F

ClientSampleId :

SPLP-AMENDED-DISCRETE-004

Tot Ion:165 Resp: 34312

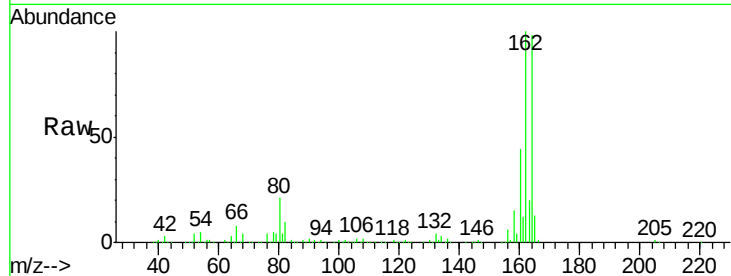
Ion Ratio Lower Upper

165 100

63 1.1 37.5 56.3#

89 1.1 54.2 81.4#

182 0.0 2.2 3.4#

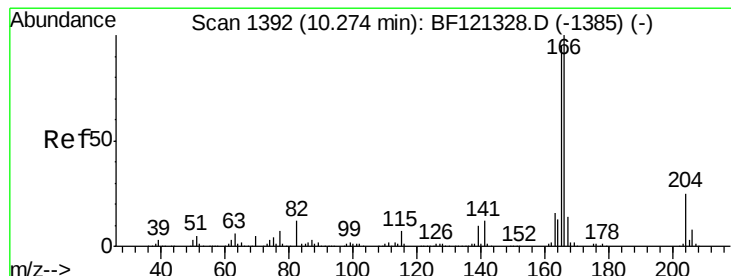
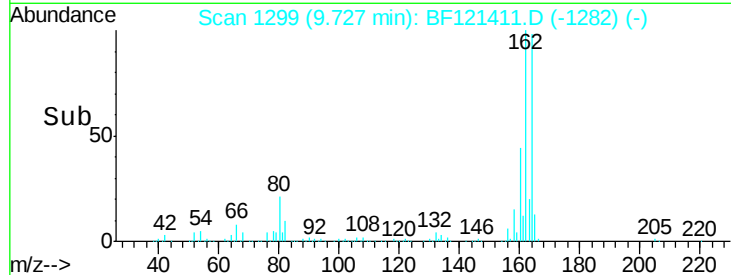
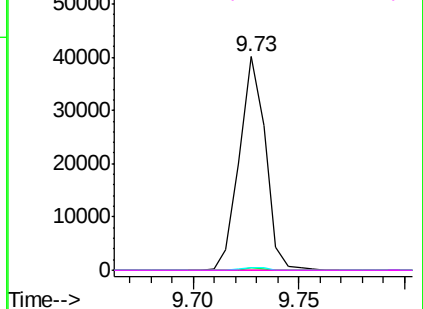


Abundance Ion 165.00 (164.70 to 165.70): E

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



#58

Fluorene

Concen: Below Cal

RT: 10.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BF121411.D

Acq: 24 Aug 2020 21:30

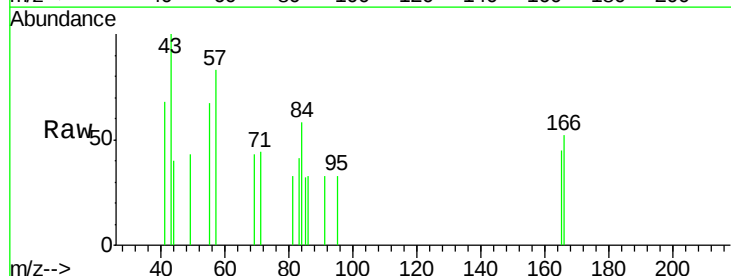
Tgt Ion:166 Resp: 459

Ion Ratio Lower Upper

166 100

165 86.0 75.8 113.8

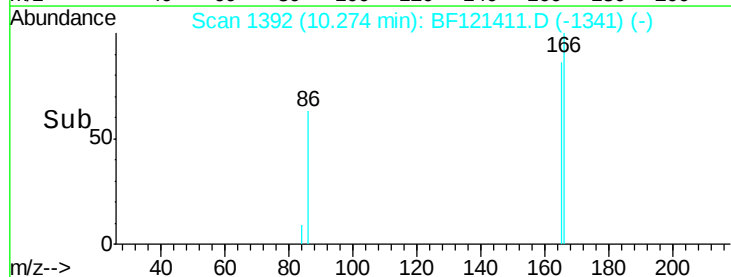
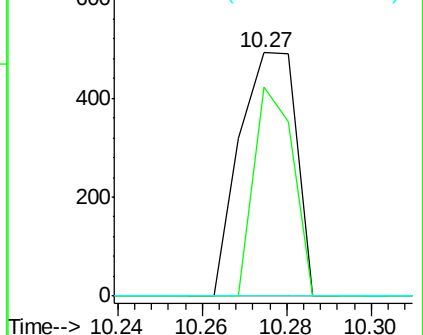
167 0.0 11.0 16.4#

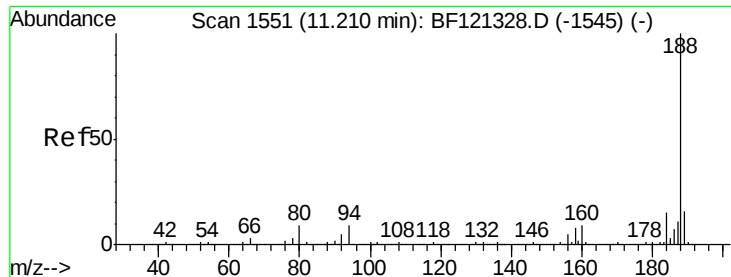


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

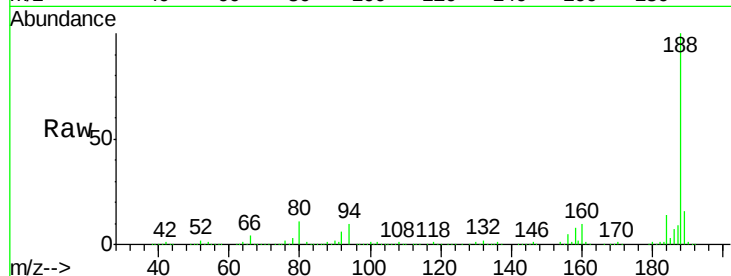




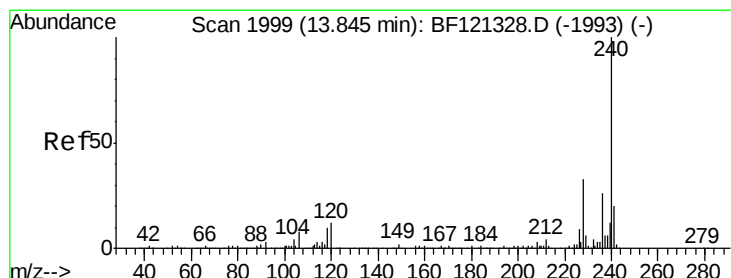
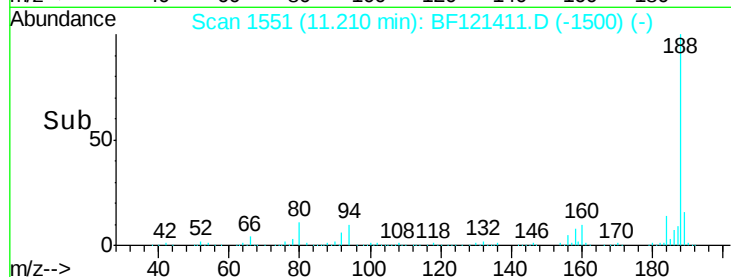
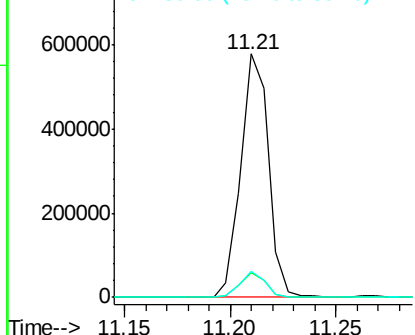
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BF121411.D
Acq: 24 Aug 2020 21:30

Instrument :
BNA_F
ClientSampleId :
SPLP-AMENDED-DISCRETE-004

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.2	10.8
80	10.6	7.4	11.0

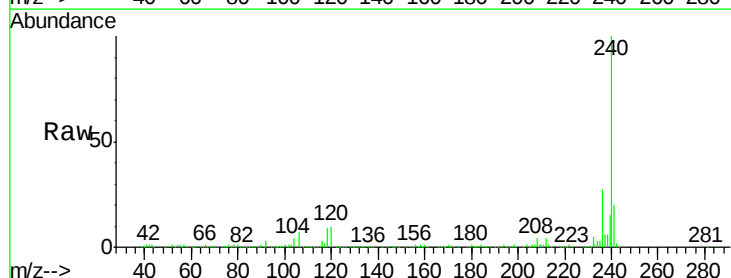


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

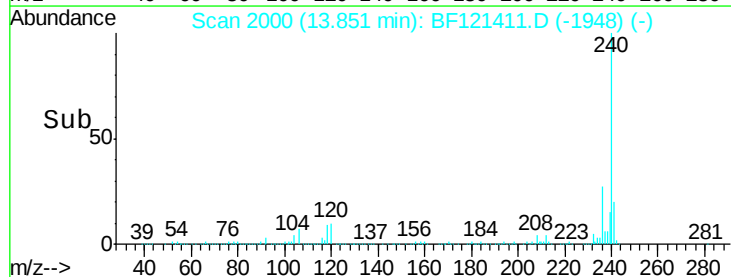
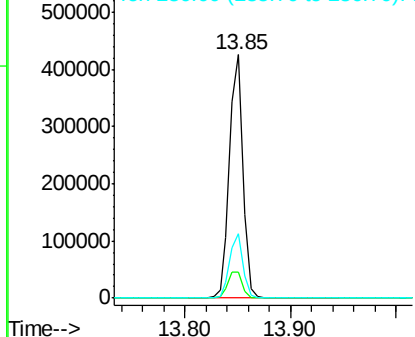


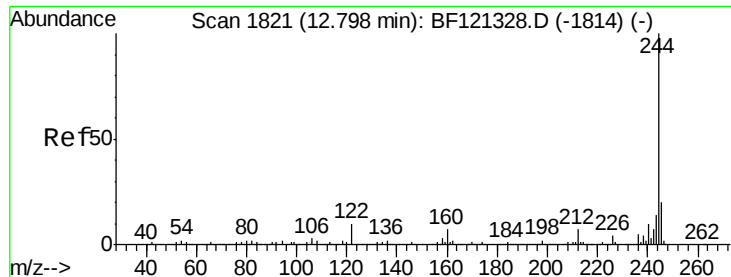
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BF121411.D
Acq: 24 Aug 2020 21:30

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.6	14.4
236	26.7	20.6	31.0



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: 65.892 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.01 min

Lab File: BF121411.D

Acq: 24 Aug 2020 21:30

Instrument :

BNA_F

ClientSampleId :

SPLP-AMENDED-DISCRETE-004

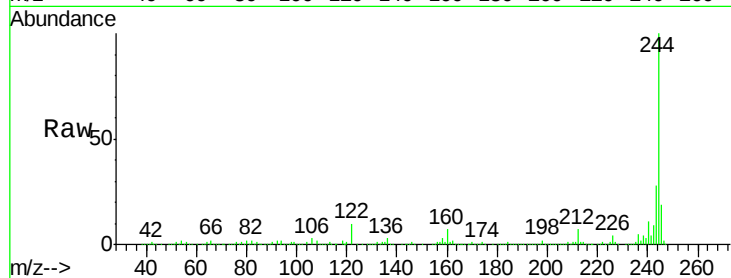
Tot Ion:244 Resp: 1268090

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

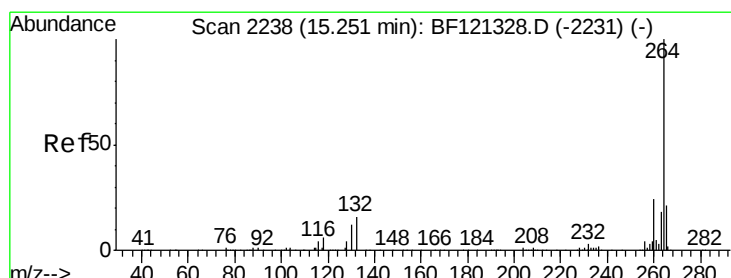
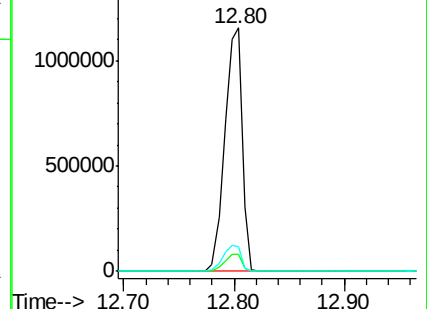
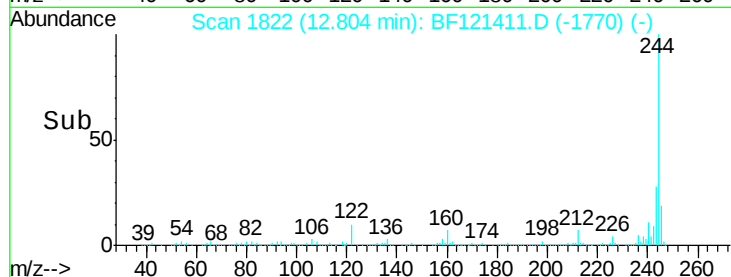
122 10.1 7.8 11.8



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: 15.26 min Scan# 2240

Delta R.T. 0.01 min

Lab File: BF121411.D

Acq: 24 Aug 2020 21:30

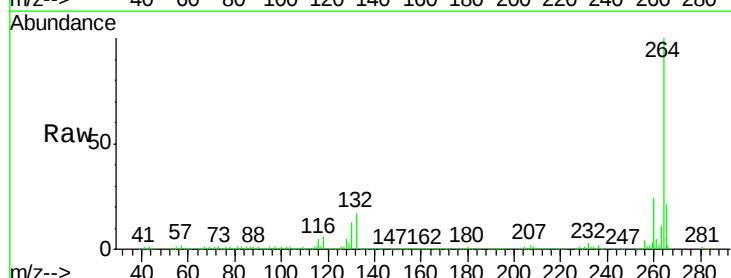
Tgt Ion:264 Resp: 372724

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 21.2 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

