

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
 Data File : BF121587.D
 Acq On : 15 Sep 2020 20:04
 Operator : JU/CG
 Sample : L3871-07 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-091420

Quant Time: Sep 16 01:04:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 10 16:47:54 2020
 Response via : Initial Calibration

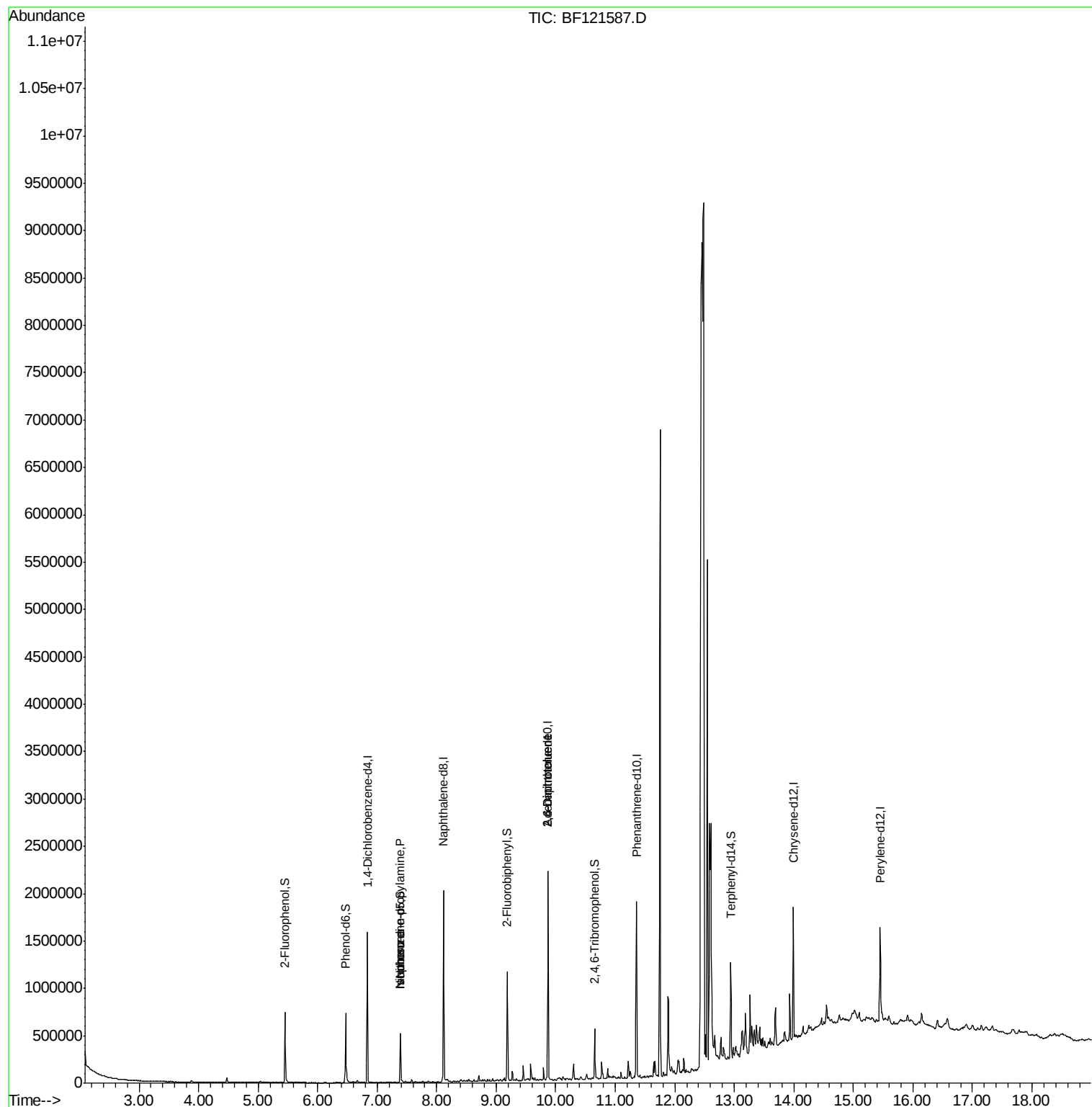
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	210835	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	810679	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	404083	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	674510	20.00	ng	0.00
76) Chrysene-d12	13.99	240	453879	20.00	ng	0.00
86) Perylene-d12	15.45	264	442637	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	205036	14.45	ng	0.00
7) Phenol-d6	6.47	99	264509	14.21	ng	0.00
23) Nitrobenzene-d5	7.39	82	167180	11.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	64128	12.77	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	337360	12.64	ng	0.00
79) Terphenyl-d14	12.94	244	275182	12.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	21860	2.038	ng	# 84
25) Isophorone	7.39	82	164232	5.403	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	53051	8.506	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	53052	6.761	ng	# 24

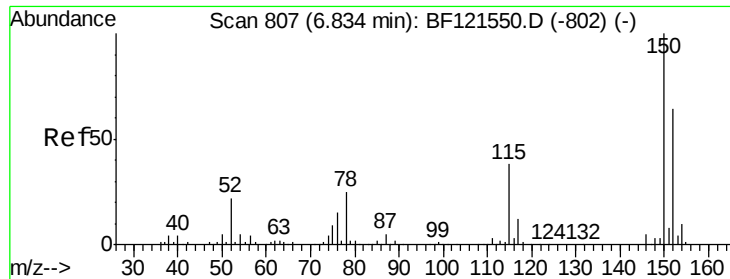
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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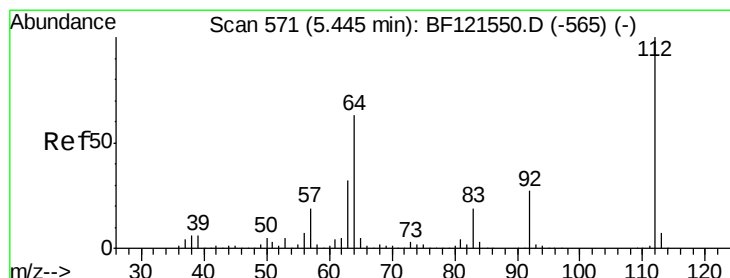
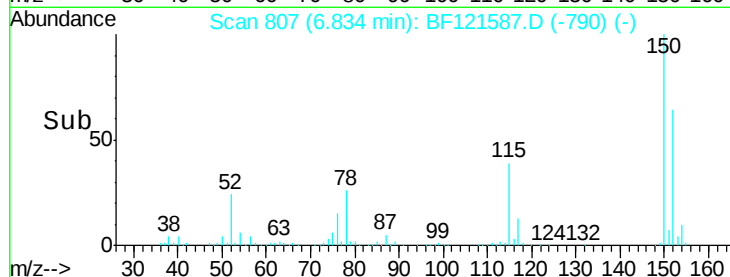
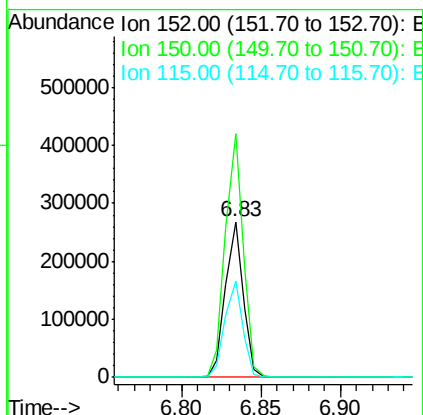
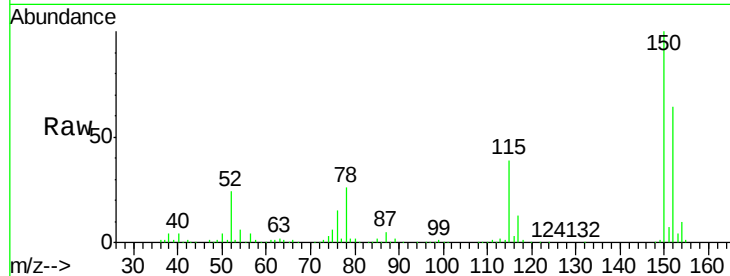


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF121587.D
Acq: 15 Sep 2020 20:04

Instrument :
BNA_F
ClientSampleId :
TR-04-091420

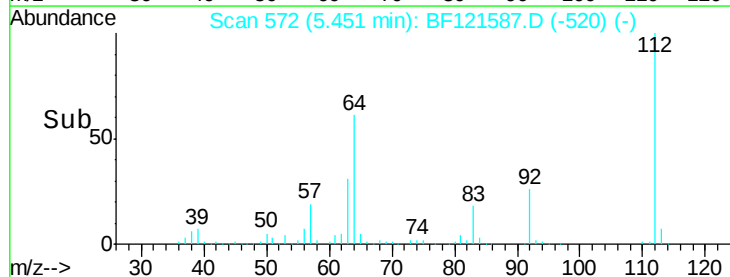
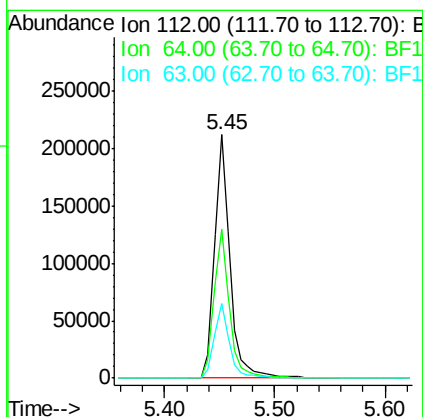
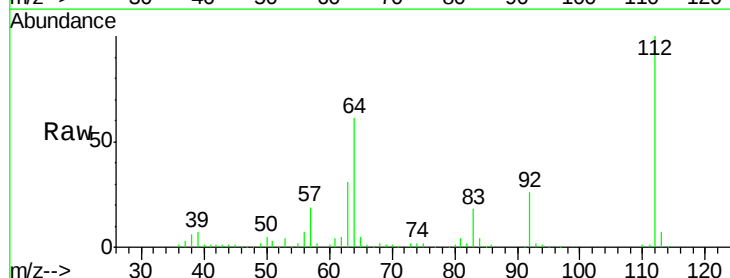
Tot Ion:152 Resp: 210835
Ion Ratio Lower Upper
152 100
150 156.7 125.8 188.6
115 61.9 47.8 71.8

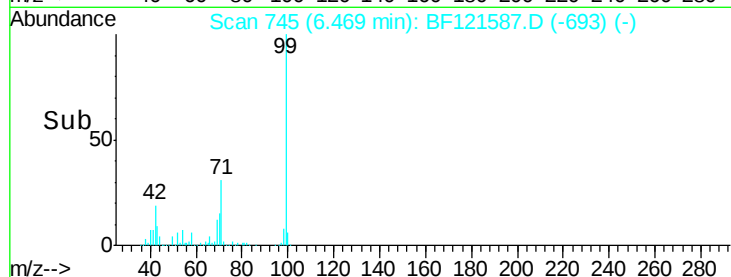
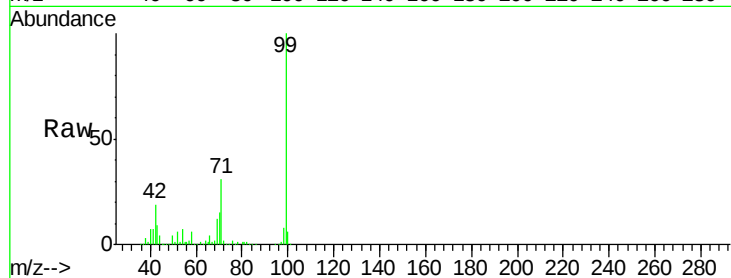
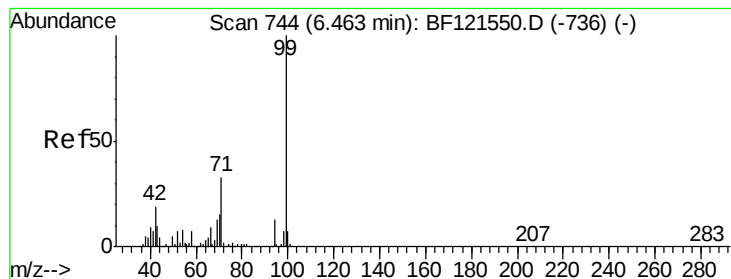


#5

2-Fluorophenol
Concen: 14.452 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF121587.D
Acq: 15 Sep 2020 20:04

Tgt Ion:112 Resp: 205036
Ion Ratio Lower Upper
112 100
64 61.0 50.3 75.5
63 30.6 25.6 38.4





#7

Phenol-d6

Concen: 14.211 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF121587.D

Acq: 15 Sep 2020 20:04

Instrument :

BNA_F

ClientSampleId :

TR-04-091420

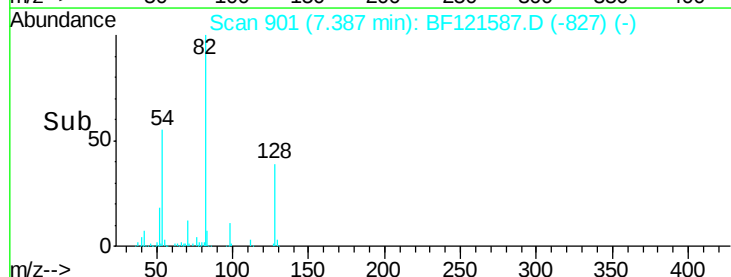
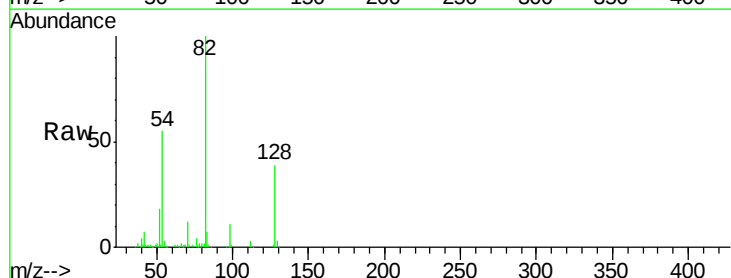
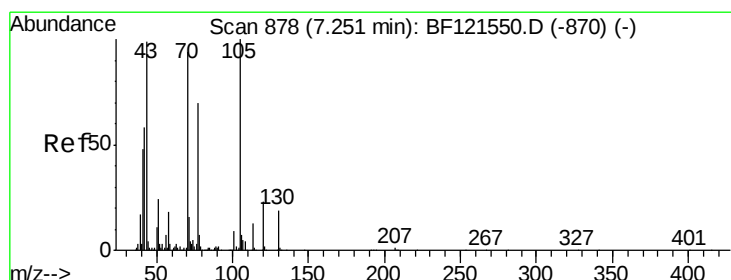
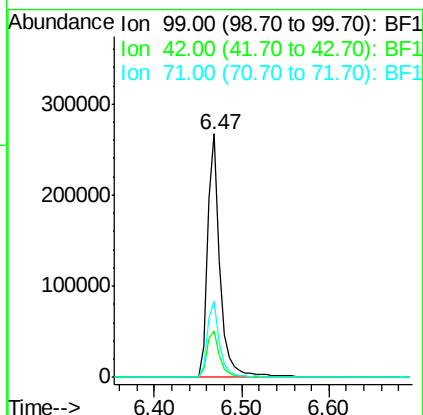
Tot Ion: 99 Resp: 264509

Ion Ratio Lower Upper

99 100

42 18.9 15.5 23.3

71 31.3 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 2.038 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.14 min

Lab File: BF121587.D

Acq: 15 Sep 2020 20:04

Tgt Ion: 70 Resp: 21860

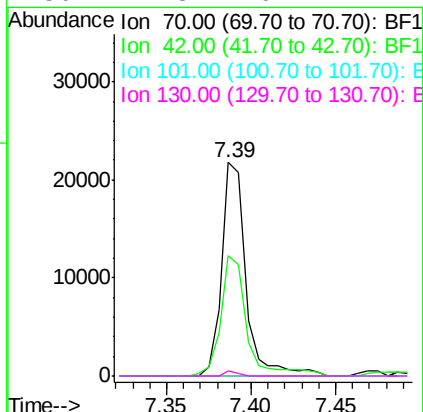
Ion Ratio Lower Upper

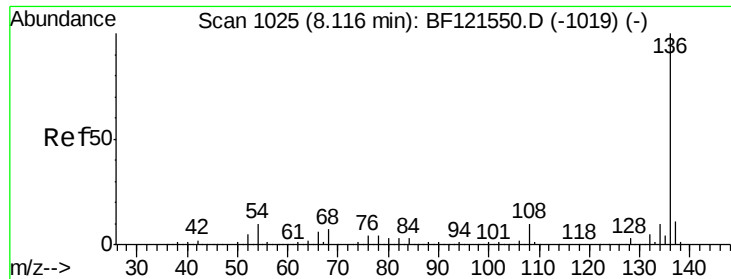
70 100

42 56.5 49.4 74.2

101 0.0 7.6 11.4#

130 2.3 16.2 24.4#

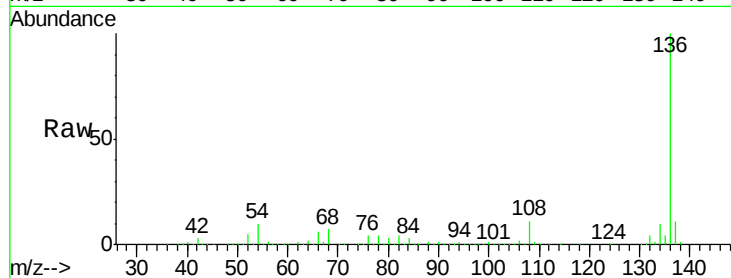




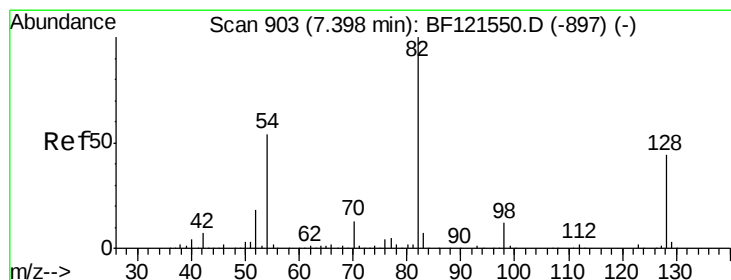
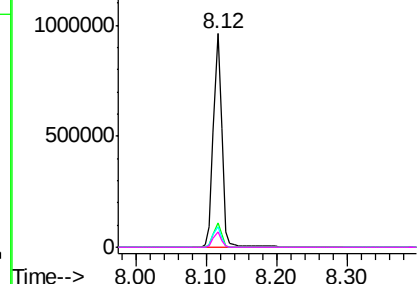
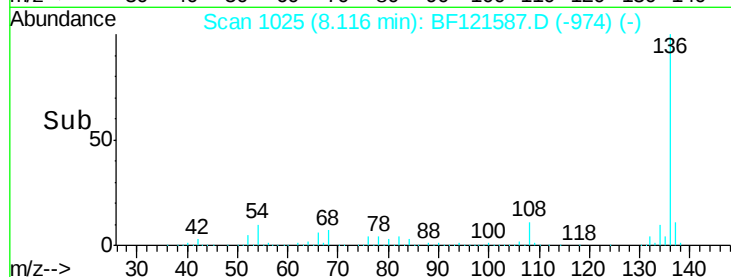
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BF121587.D
Acq: 15 Sep 2020 20:04

Instrument :
BNA_F
ClientSampleId :
TR-04-091420

Tot Ion:136	Resp:	810679	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	9.0	13.6	
54 9.8	7.6	11.4	
68 7.3	5.7	8.5	

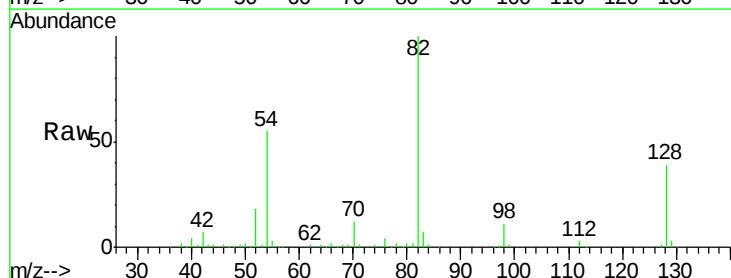


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

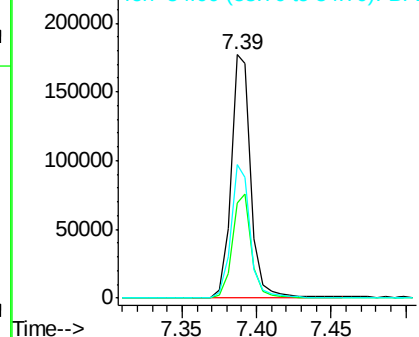
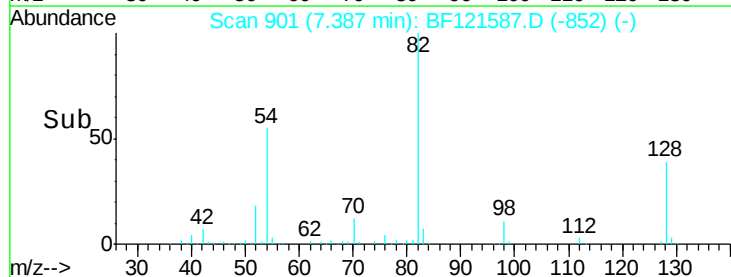


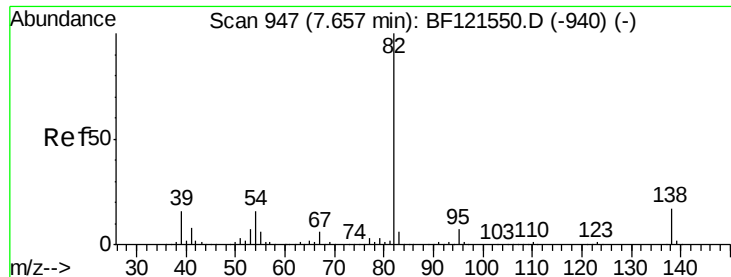
#23
Nitrobenzene-d5
Concen: 11.072 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF121587.D
Acq: 15 Sep 2020 20:04

Tgt Ion: 82	Resp: 167180
Ion Ratio	Lower Upper
82 100	
128 39.0	35.1 52.7
54 54.7	43.0 64.6



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: 5.403 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.27 min

Lab File: BF121587.D

Acq: 15 Sep 2020 20:04

Instrument :

BNA_F

ClientSampleId :

TR-04-091420

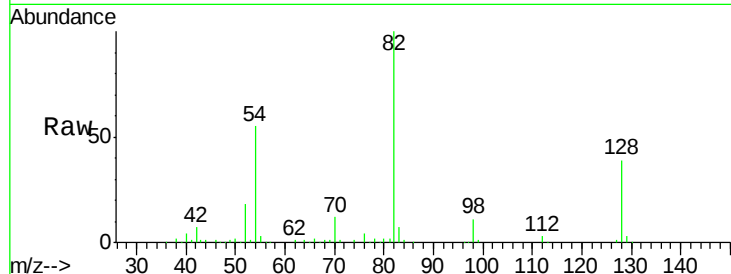
Tot Ion: 82 Resp: 164232

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

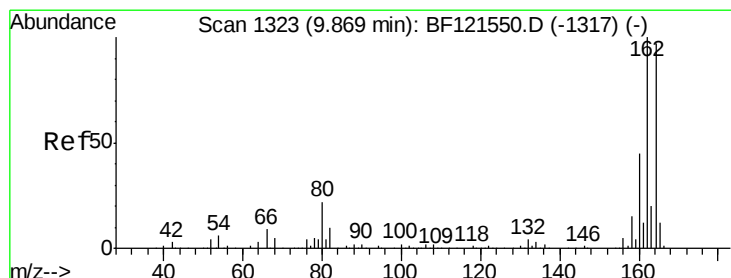
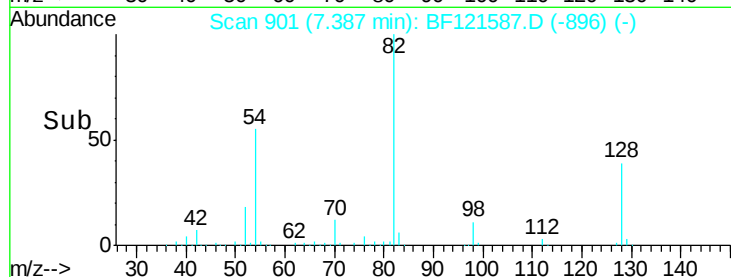
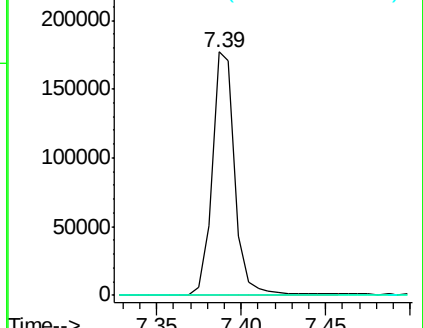
138 0.0 13.7 20.5#



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: 9.87 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BF121587.D

Acq: 15 Sep 2020 20:04

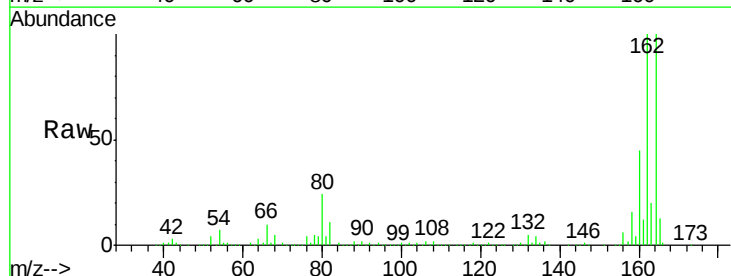
Tgt Ion: 164 Resp: 404083

Ion Ratio Lower Upper

164 100

162 100.2 82.3 123.5

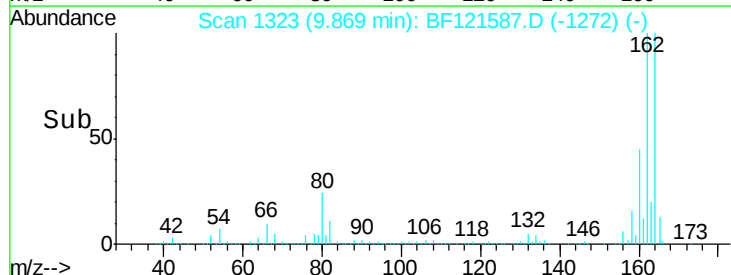
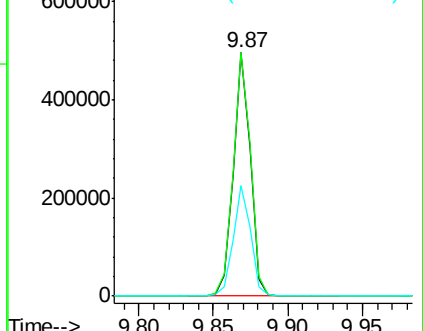
160 45.2 37.0 55.4

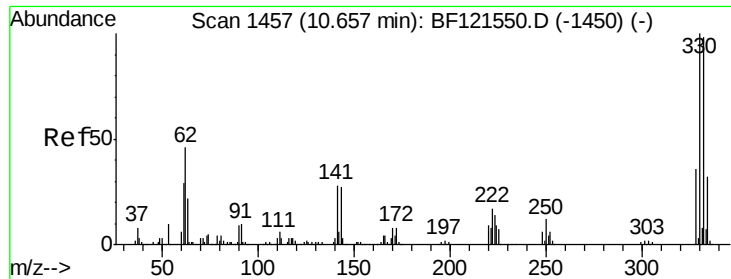


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 12.769 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.00 min

Lab File: BF121587.D

Acq: 15 Sep 2020 20:04

Instrument :

BNA_F

ClientSampleId :

TR-04-091420

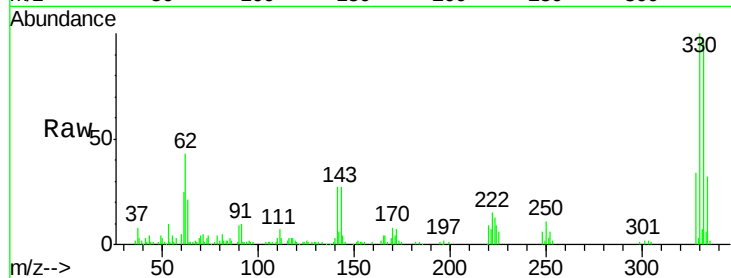
Tot Ion:330 Resp: 64128

Ion Ratio Lower Upper

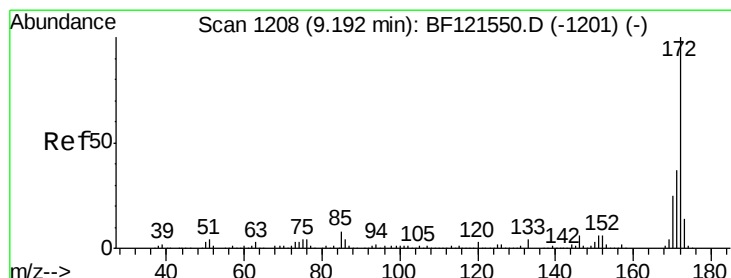
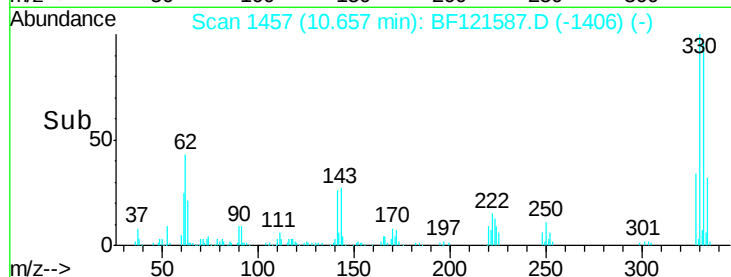
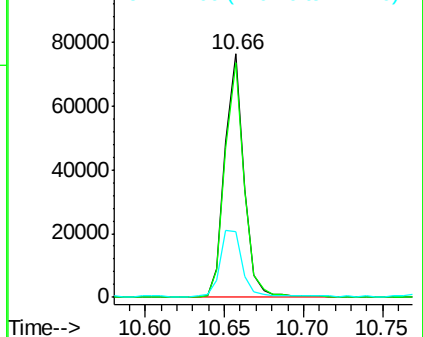
330 100

332 96.7 77.1 115.7

141 33.3 23.6 35.4



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: 12.644 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

Lab File: BF121587.D

Acq: 15 Sep 2020 20:04

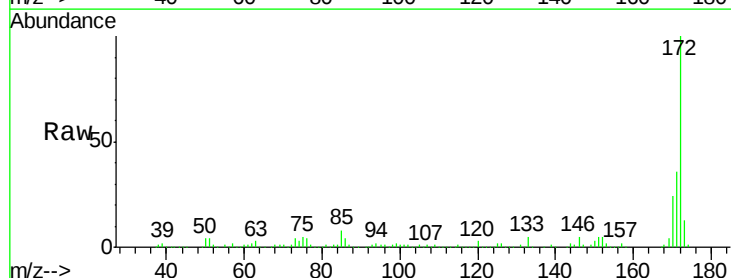
Tgt Ion:172 Resp: 337360

Ion Ratio Lower Upper

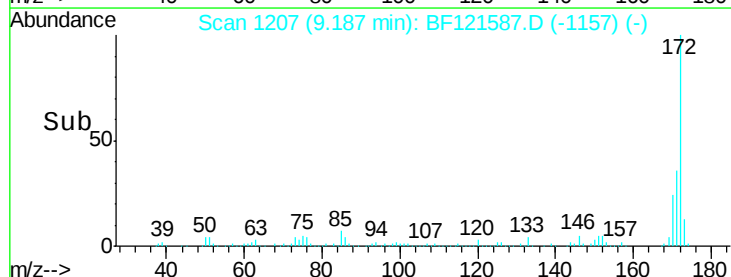
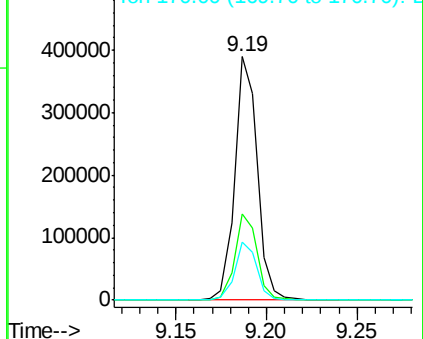
172 100

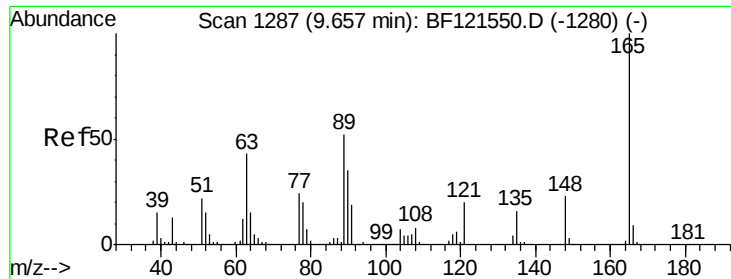
171 35.6 29.8 44.6

170 23.9 19.8 29.8



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

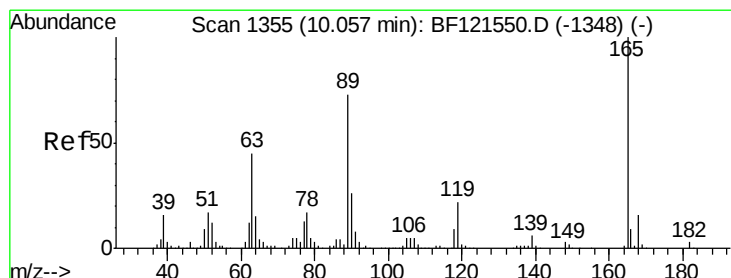
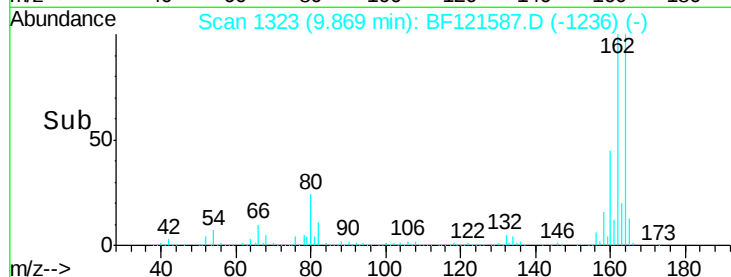
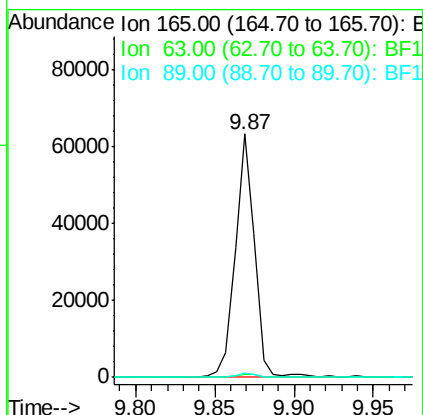
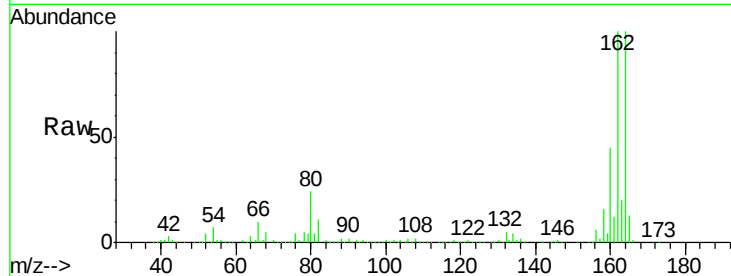




#51
 2,6-Dinitrotoluene
 Concen: 8.506 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.21 min
 Lab File: BF121587.D
 Acq: 15 Sep 2020 20:04

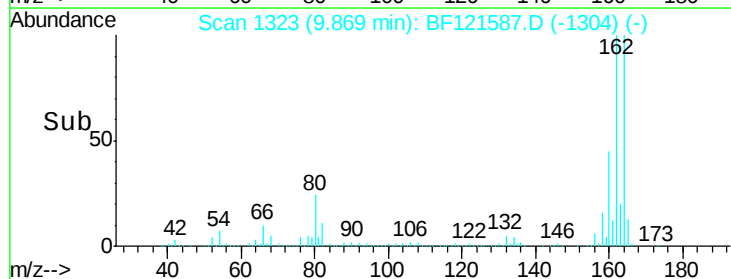
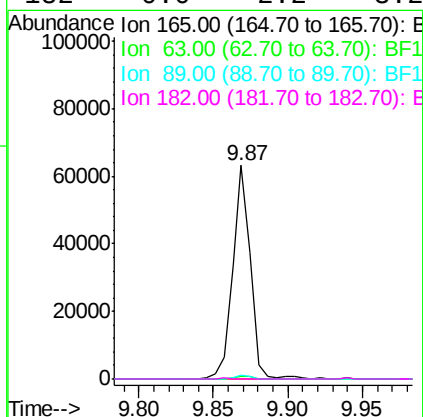
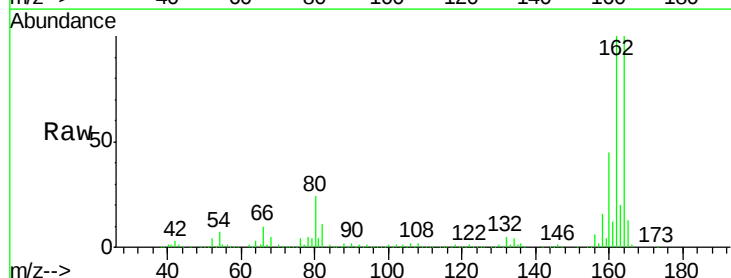
Instrument :
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 ClientSampleId :
 TR-04-091420

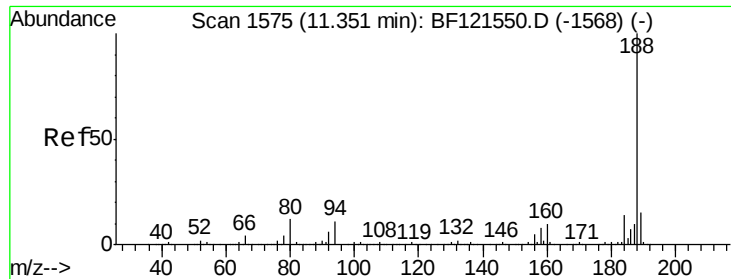
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	40.6	61.0#
89	1.8	41.8	62.8#



#57
 2,4-Dinitrotoluene
 Concen: 6.761 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF121587.D
 Acq: 15 Sep 2020 20:04

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.2	54.4#
89	1.8	58.2	87.4#
182	0.0	2.2	3.2#

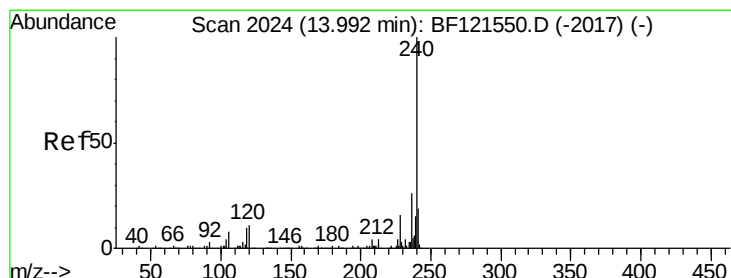
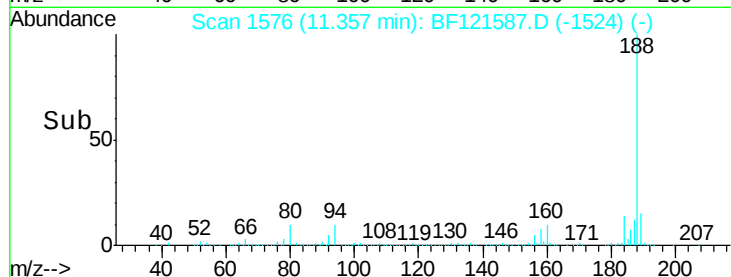
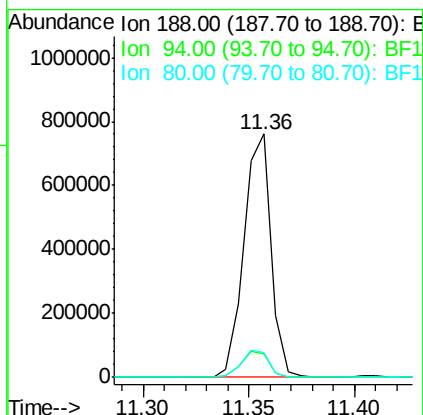
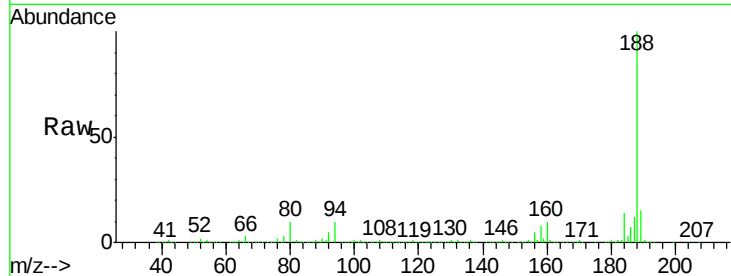




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BF121587.D
Acq: 15 Sep 2020 20:04

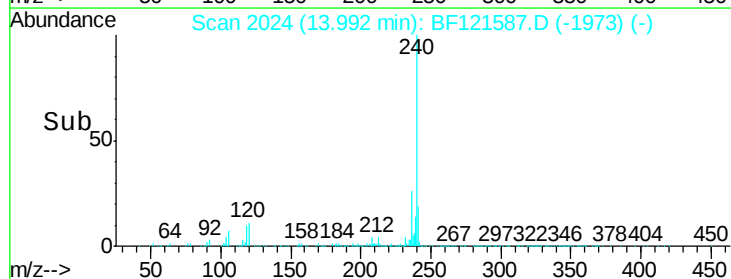
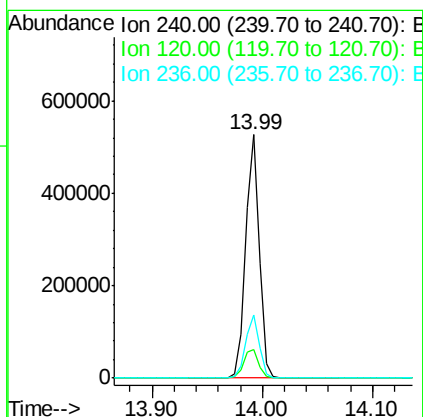
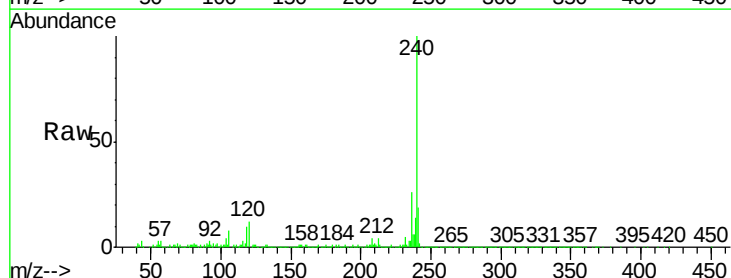
Instrument :
BNA_F
ClientSampleId :
TR-04-091420

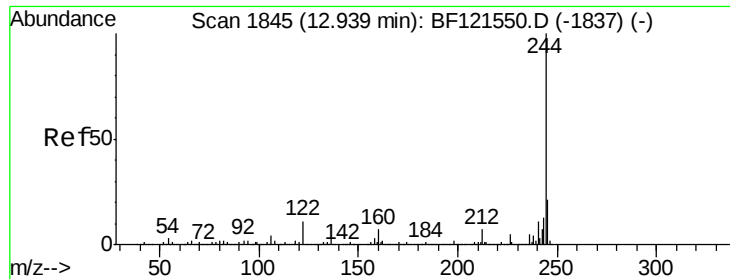
Tot Ion:188 Resp: 674510
Ion Ratio Lower Upper
188 100
94 9.7 8.7 13.1
80 10.4 9.3 13.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF121587.D
Acq: 15 Sep 2020 20:04

Tgt Ion:240 Resp: 453879
Ion Ratio Lower Upper
240 100
120 11.7 9.2 13.8
236 25.9 20.5 30.7





#79

Terphenyl-d14

Concen: 12.283 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BF121587.D

Acq: 15 Sep 2020 20:04

Instrument :

BNA_F

ClientSampleId :

TR-04-091420

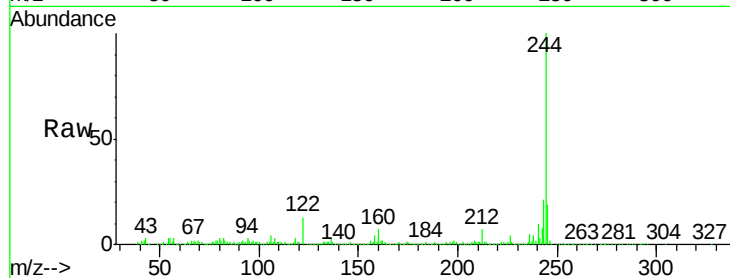
Tot Ion:244 Resp: 275182

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 12.5 8.7 13.1

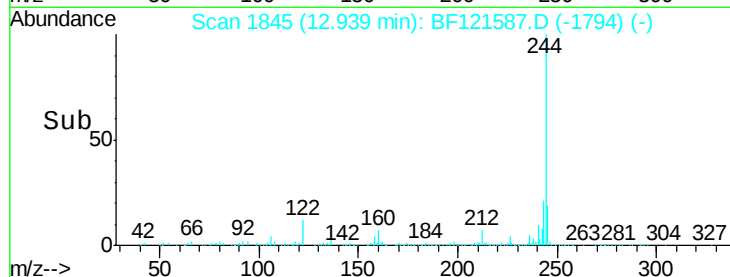


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time--> 12.85 12.90 12.95 13.00



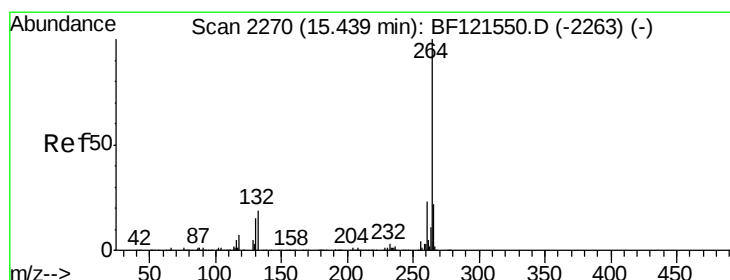
Abundance

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

Time--> 12.85 12.90 12.95 13.00



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.01 min

Lab File: BF121587.D

Acq: 15 Sep 2020 20:04

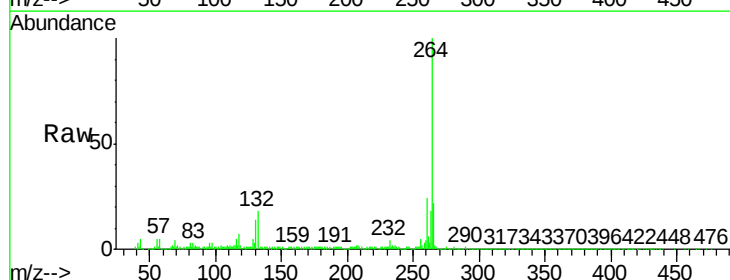
Tgt Ion:264 Resp: 442637

Ion Ratio Lower Upper

264 100

260 24.2 18.8 28.2

265 21.8 17.8 26.6

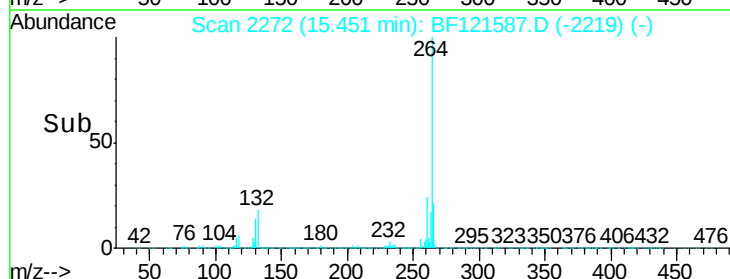


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

Time--> 15.40 15.45 15.50



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

Time--> 15.40 15.45 15.50