

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070823\
 Data File : BF134155.D
 Acq On : 08 Jul 2023 18:50
 Operator : CG\JU
 Sample : 03509-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 09 00:39:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

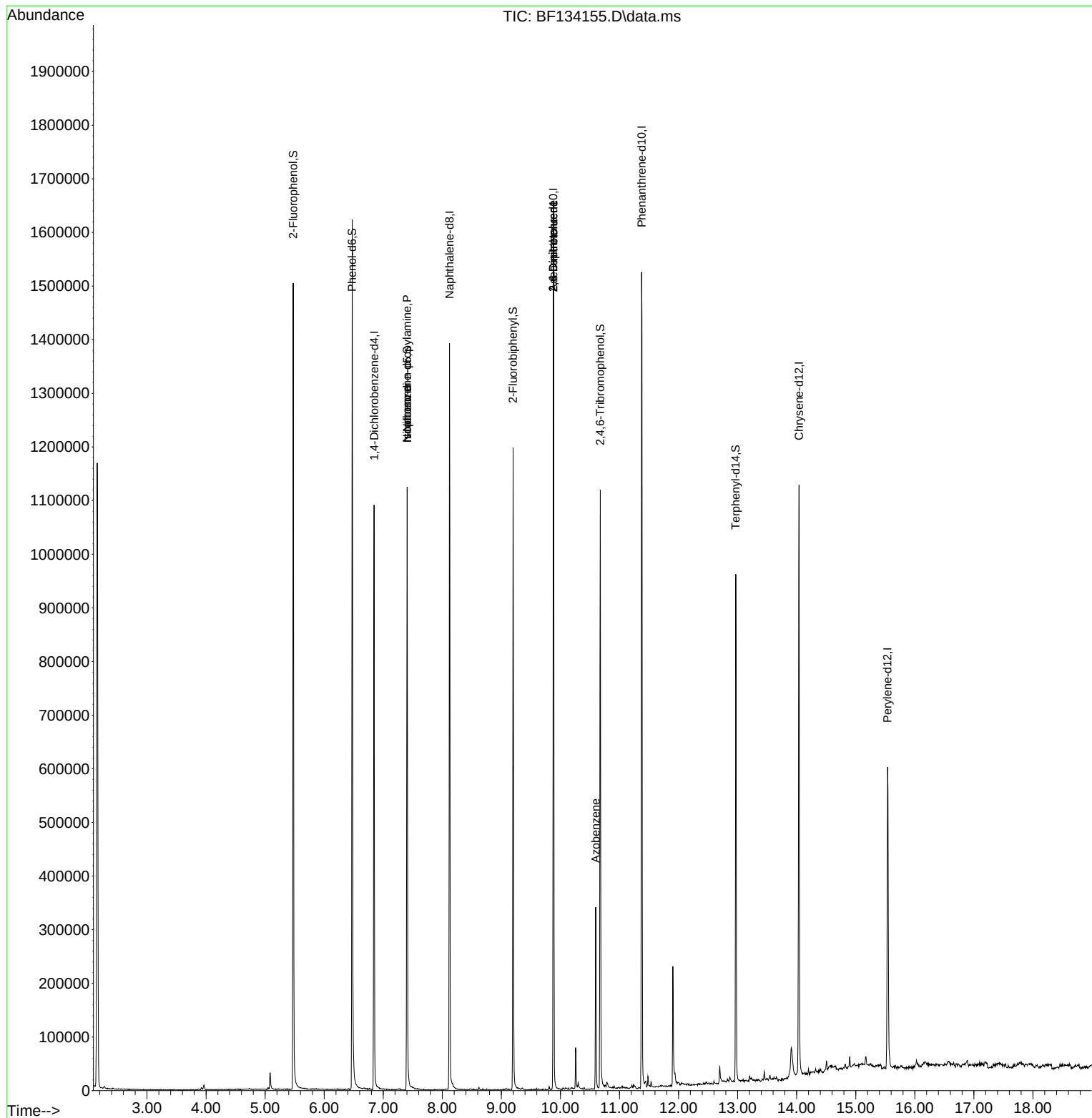
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	156847	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	594978	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	324889	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	603096	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	381132	20.000	ng	-0.01
86) Perylene-d12	15.539	264	286458	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	369075	39.362	ng	-0.01
7) Phenol-d6	6.475	99	471967	40.929	ng	-0.02
23) Nitrobenzene-d5	7.404	82	310864	28.164	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	135174	33.184	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	332498	14.879	ng	-0.01
79) Terphenyl-d14	12.968	244	324985	13.723	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	398	Below Cal	#	72
19) n-Nitroso-di-n-propyla...	7.404	70	43528	5.952	ng	# 77
25) Isophorone	7.404	82	310859	15.497	ng	# 64
51) 2,6-Dinitrotoluene	9.880	165	43683	8.600	ng	# 23
57) 2,4-Dinitrotoluene	9.880	165	43683	6.512	ng	# 22
63) Azobenzene	10.598	77	56147	2.416	ng	# 1

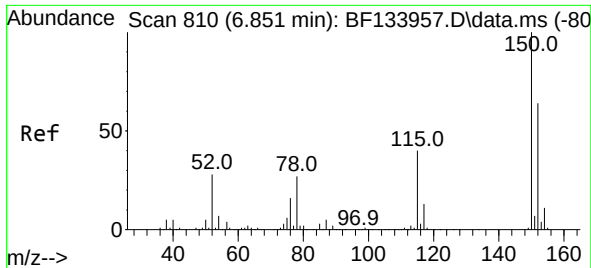
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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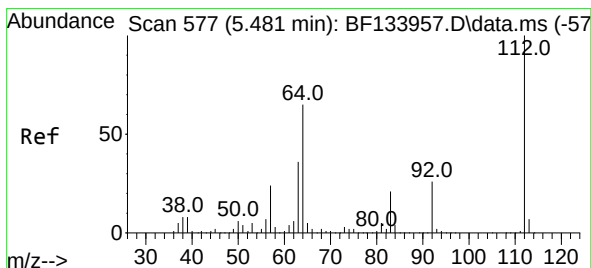
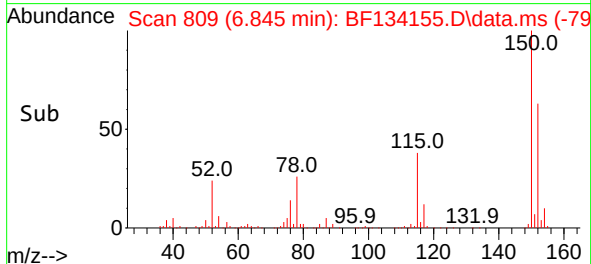
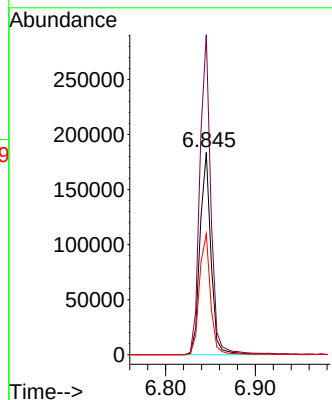
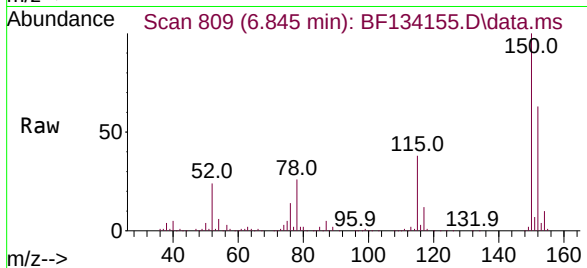




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134155.D
Acq: 08 Jul 2023 18:50

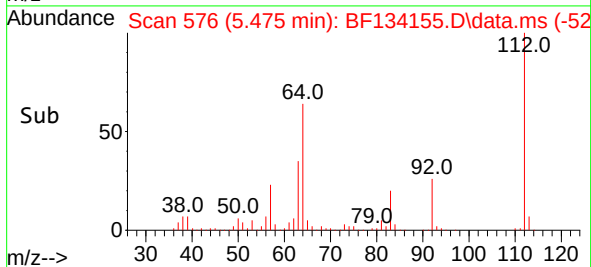
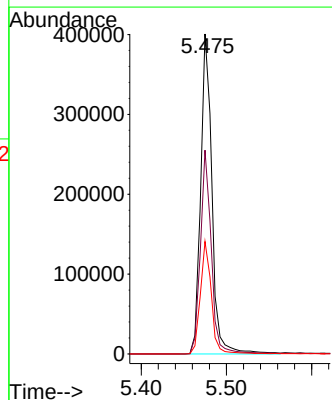
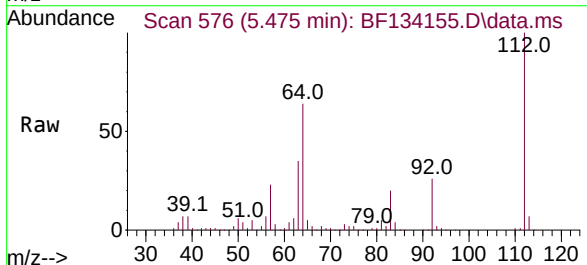
Instrument :
BNA_F
ClientSampleId :

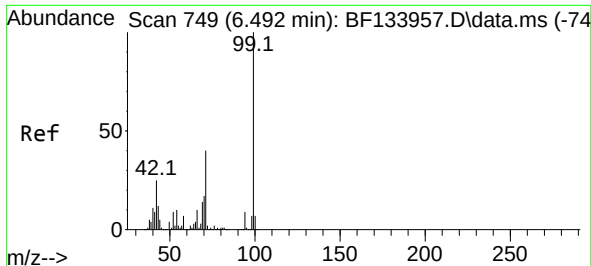
Tgt Ion:152 Resp: 156847
Ion Ratio Lower Upper
152 100
150 158.2 124.5 186.7
115 59.7 50.2 75.2



#5
2-Fluorophenol
Concen: 39.362 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF134155.D
Acq: 08 Jul 2023 18:50

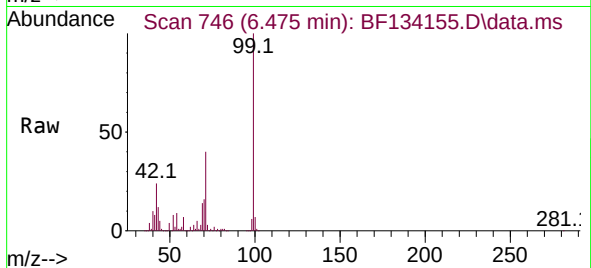
Tgt Ion:112 Resp: 369075
Ion Ratio Lower Upper
112 100
64 63.7 52.1 78.1
63 35.2 28.6 42.8



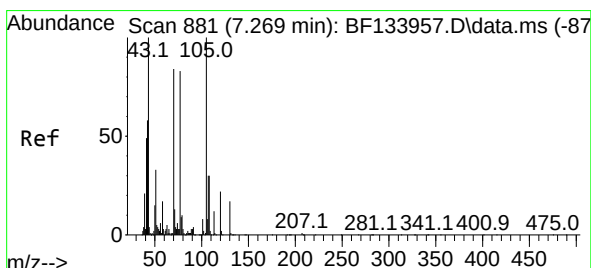
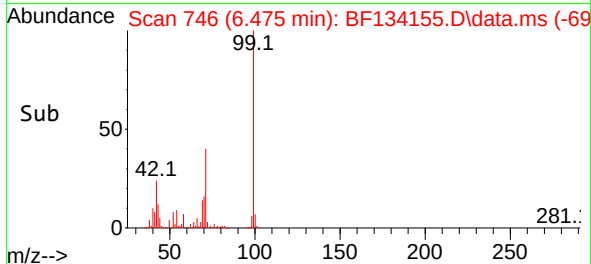
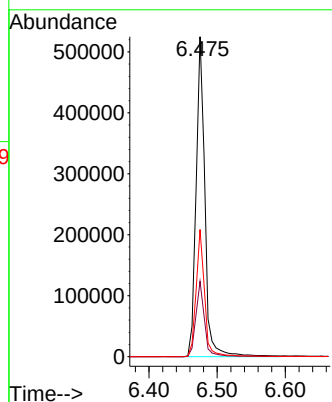


#7
Phenol-d6
Concen: 40.929 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF134155.D
Acq: 08 Jul 2023 18:50

Instrument :
BNA_F
ClientSampleId :

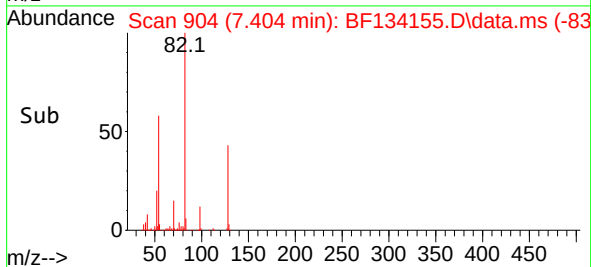
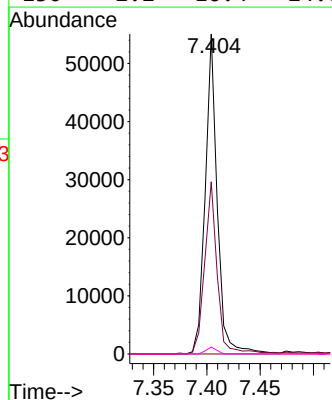
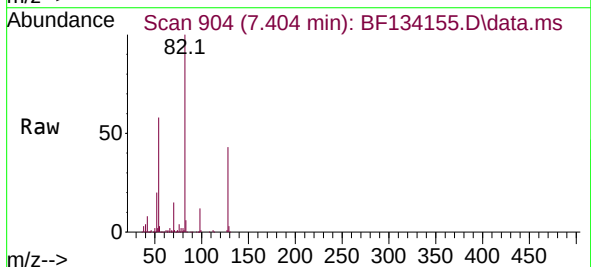


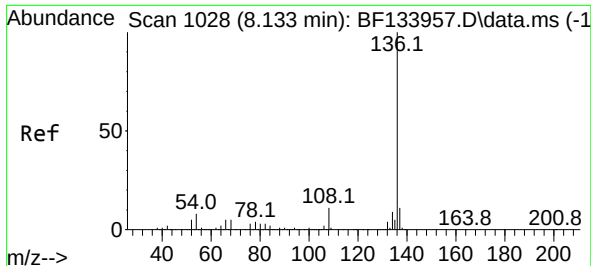
Tgt Ion: 99 Resp: 471967
Ion Ratio Lower Upper
99 100
42 23.5 19.8 29.6
71 39.7 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 5.952 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF134155.D
Acq: 08 Jul 2023 18:50

Tgt Ion: 70 Resp: 43528
Ion Ratio Lower Upper
70 100
42 53.8 54.7 82.1#
101 0.0 7.7 11.5#
130 2.2 16.4 24.6#

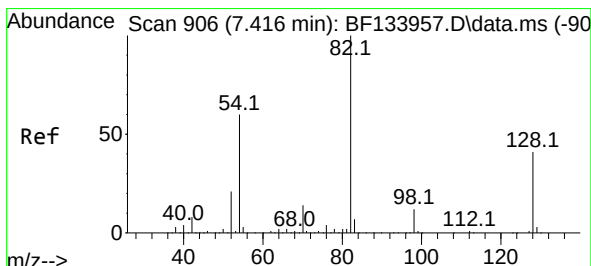
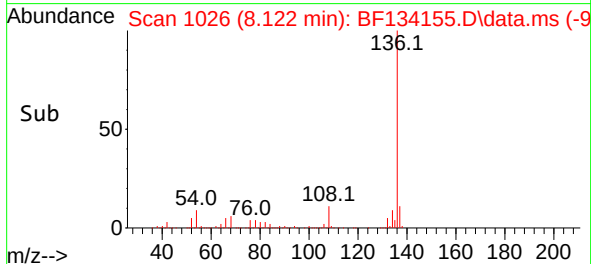
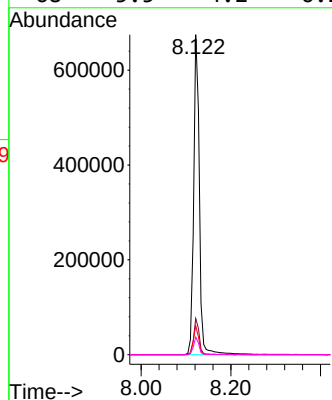
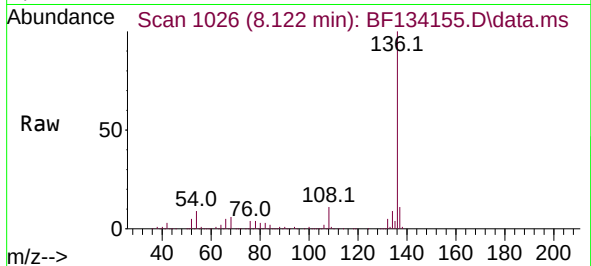




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134155.D
Acq: 08 Jul 2023 18:50

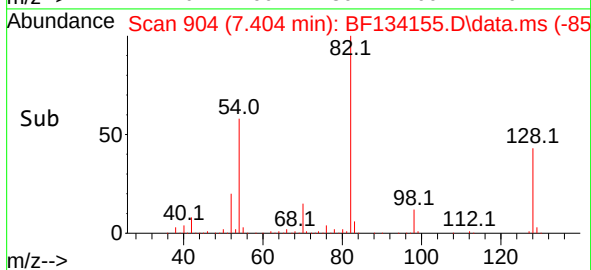
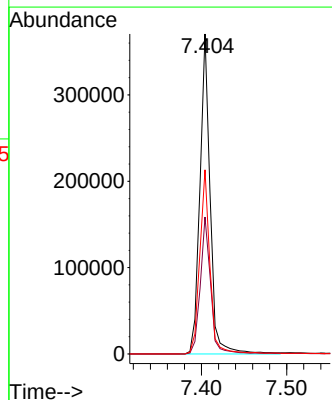
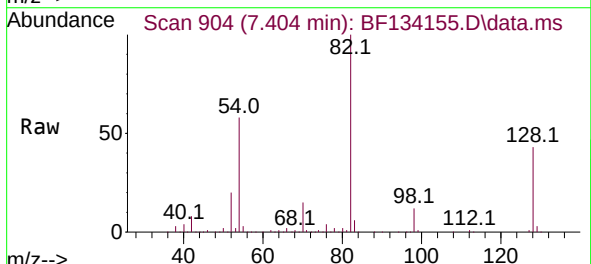
Instrument :
BNA_F
ClientSampleId :

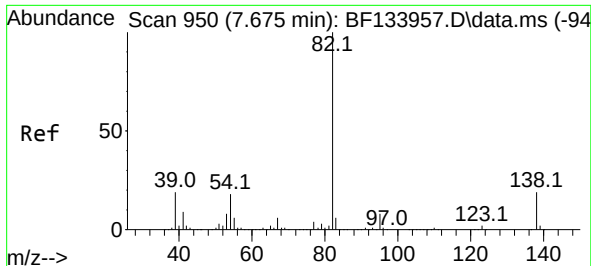
Tgt Ion:136 Resp: 594978
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 9.1 6.5 9.7
68 5.5 4.2 6.2



#23
Nitrobenzene-d5
Concen: 28.164 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF134155.D
Acq: 08 Jul 2023 18:50

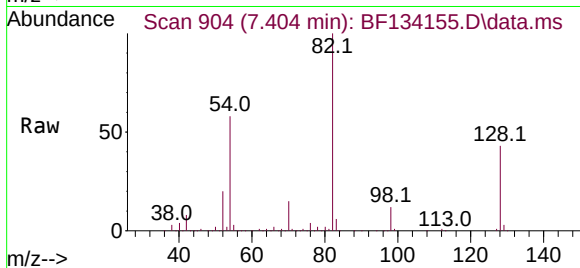
Tgt Ion: 82 Resp: 310864
Ion Ratio Lower Upper
82 100
128 42.8 32.5 48.7
54 57.5 48.2 72.2



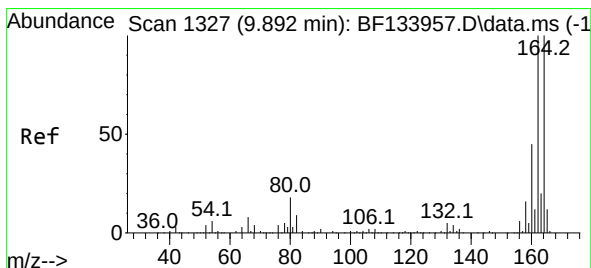
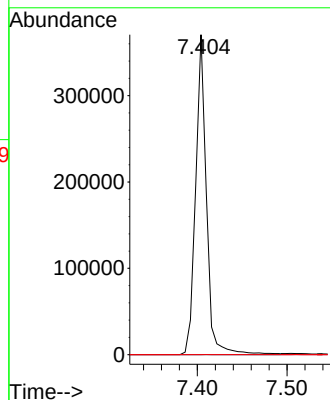
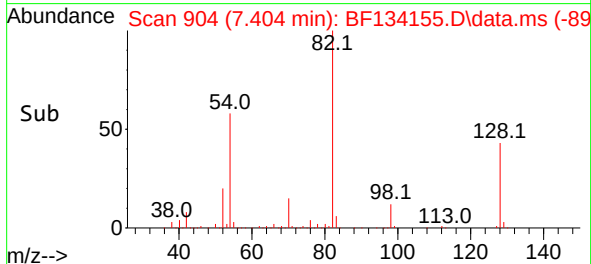


#25
Isophorone
Concen: 15.497 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF134155.D
Acq: 08 Jul 2023 18:50

Instrument :
BNA_F
ClientSampleId :

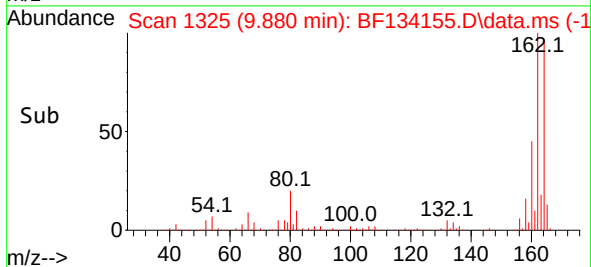
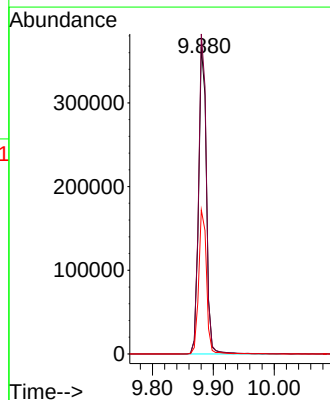
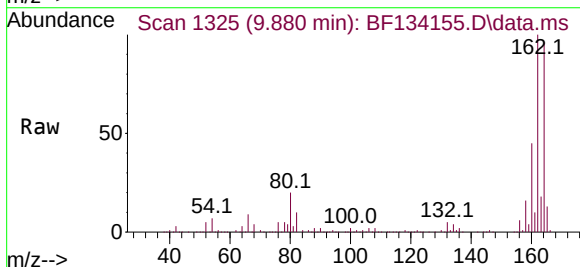


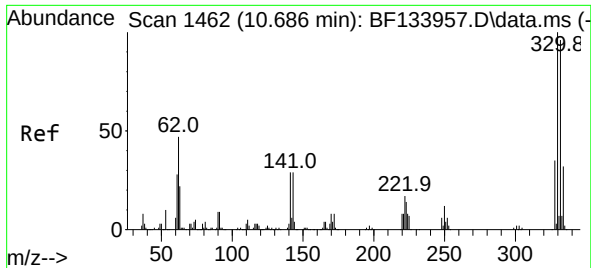
Tgt Ion: 82 Resp: 310859
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134155.D
Acq: 08 Jul 2023 18:50

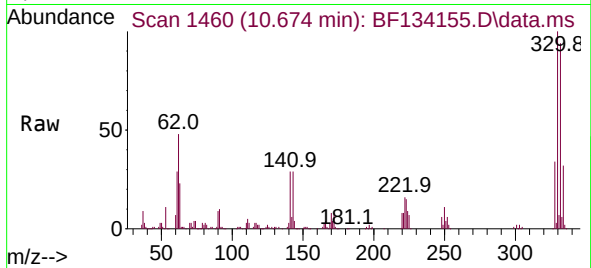
Tgt Ion: 164 Resp: 324889
Ion Ratio Lower Upper
164 100
162 104.1 80.0 120.0
160 46.9 35.9 53.9



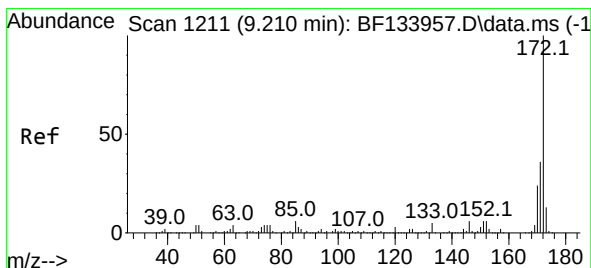
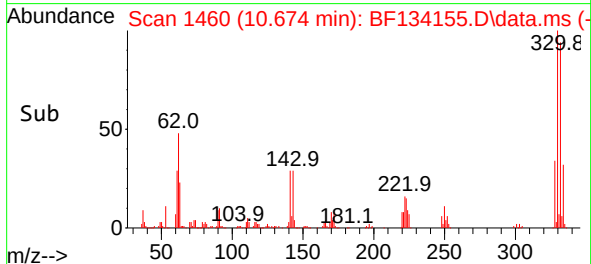
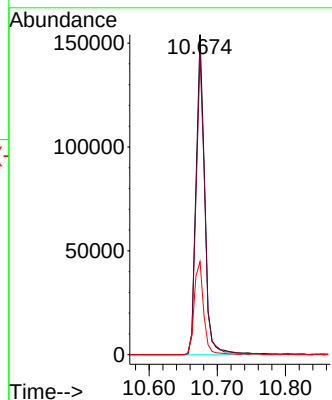


#42
2,4,6-Tribromophenol
Concen: 33.184 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF134155.D
Acq: 08 Jul 2023 18:50

Instrument :
BNA_F
ClientSampleId :

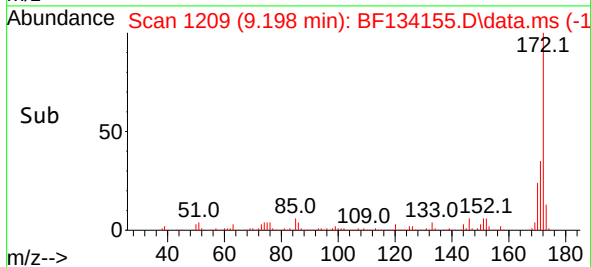
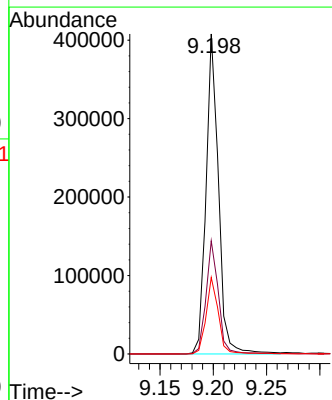
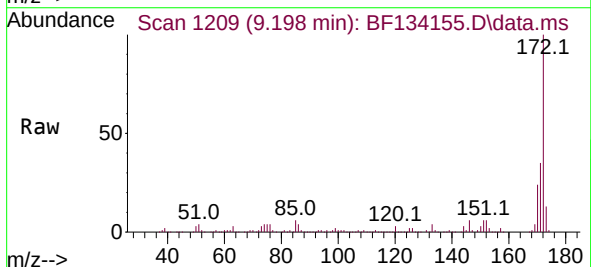


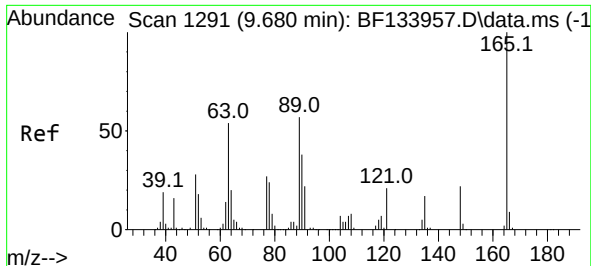
Tgt Ion:330 Resp: 135174
Ion Ratio Lower Upper
330 100
332 94.6 77.0 115.6
141 31.6 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 14.879 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BF134155.D
Acq: 08 Jul 2023 18:50

Tgt Ion:172 Resp: 332498
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.9 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.600 ng

RT: 9.880 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF134155.D

Acq: 08 Jul 2023 18:50

Instrument :

BNA_F

ClientSampleId :

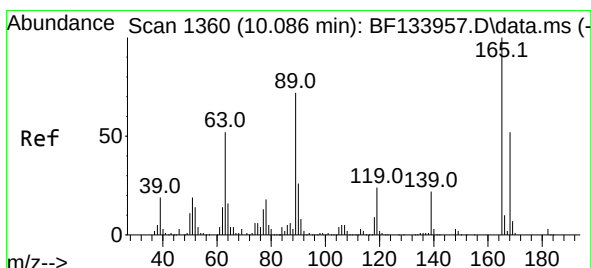
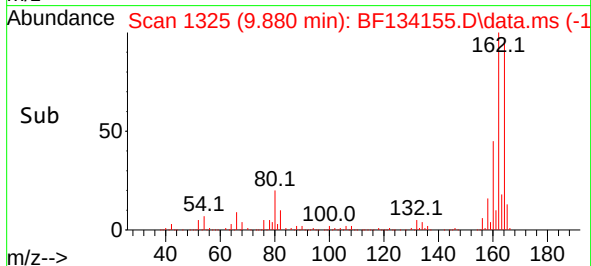
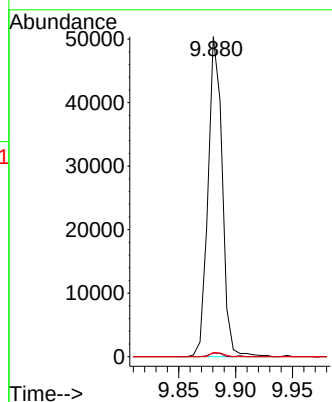
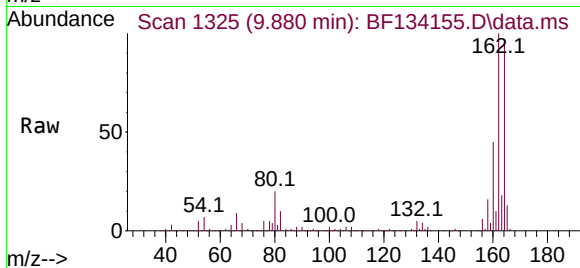
Tgt Ion:165 Resp: 43683

Ion Ratio Lower Upper

165 100

63 1.1 48.5 72.7#

89 1.4 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.512 ng

RT: 9.880 min Scan# 1325

Delta R.T. -0.206 min

Lab File: BF134155.D

Acq: 08 Jul 2023 18:50

Tgt Ion:165 Resp: 43683

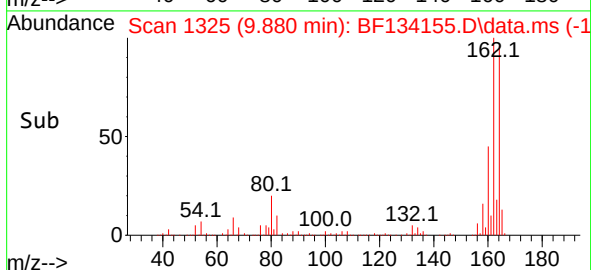
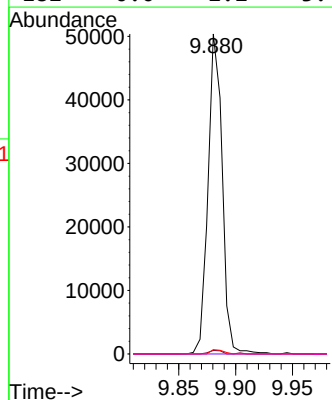
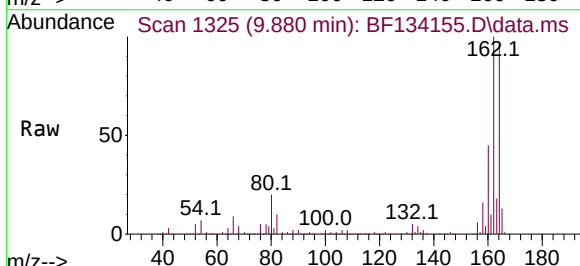
Ion Ratio Lower Upper

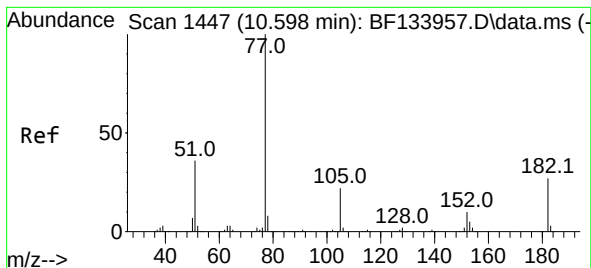
165 100

63 1.1 42.2 63.2#

89 1.4 57.4 86.2#

182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.416 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.000 min

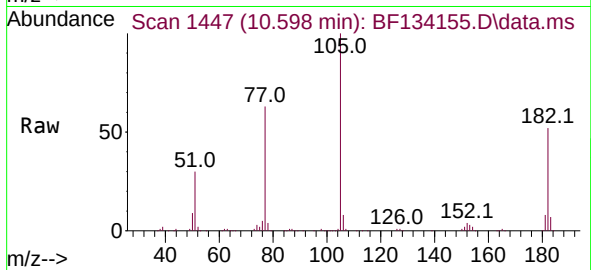
Lab File: BF134155.D

Acq: 08 Jul 2023 18:50

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 77 Resp: 56147

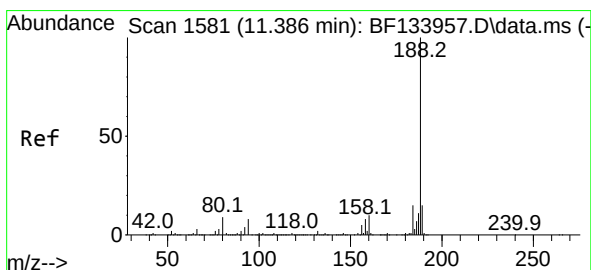
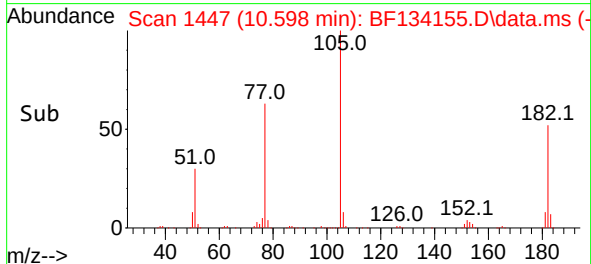
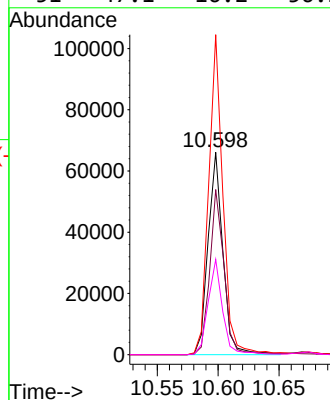
Ion Ratio Lower Upper

77 100

182 81.6 6.8 46.8#

105 158.1 2.3 42.3#

51 47.1 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1579

Delta R.T. -0.012 min

Lab File: BF134155.D

Acq: 08 Jul 2023 18:50

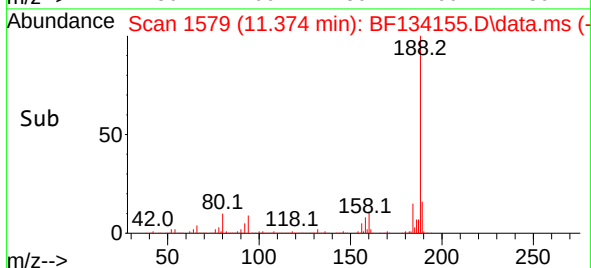
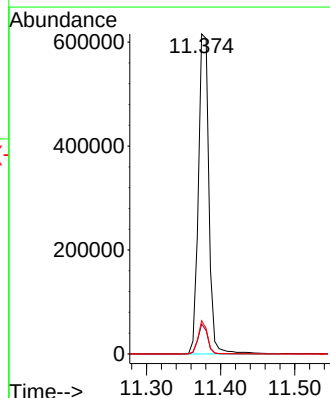
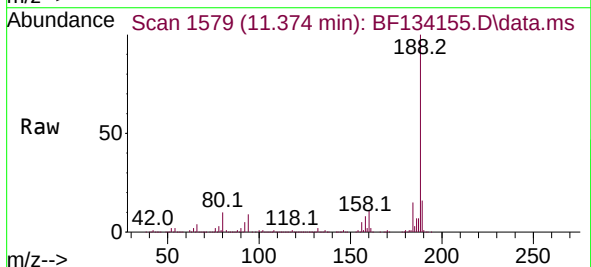
Tgt Ion: 188 Resp: 603096

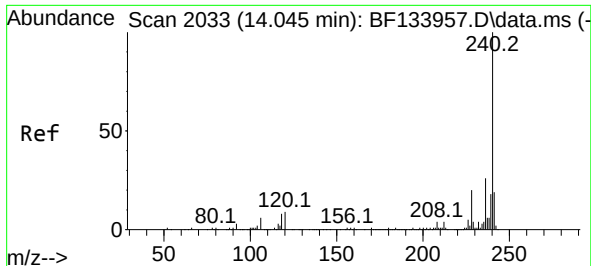
Ion Ratio Lower Upper

188 100

94 9.3 6.4 9.6

80 10.4 7.3 10.9

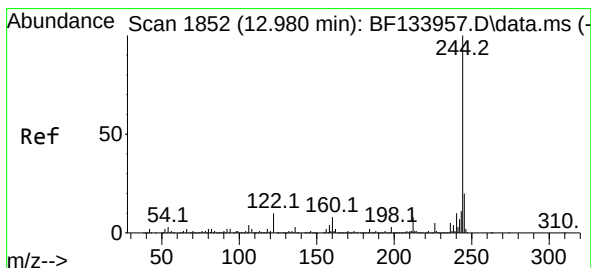
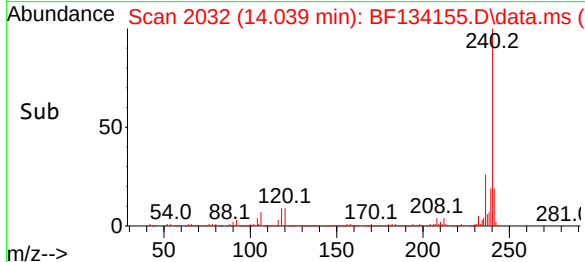
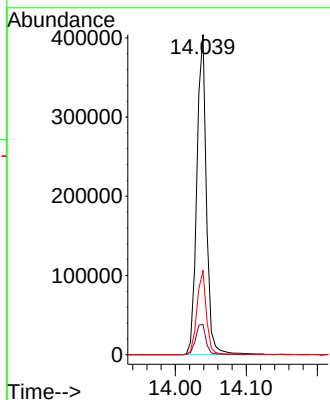
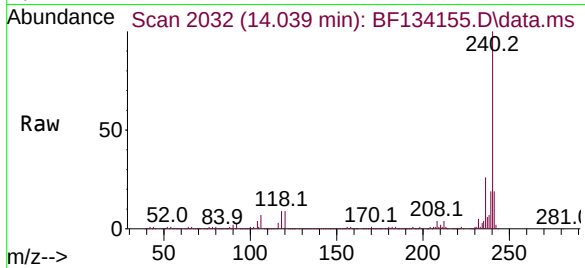




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134155.D
Acq: 08 Jul 2023 18:50

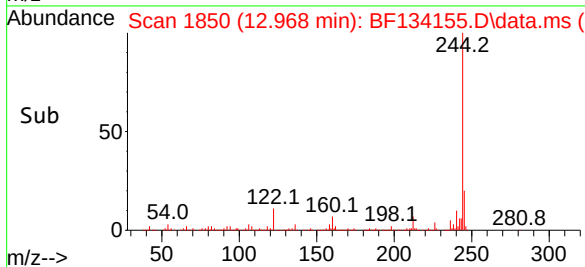
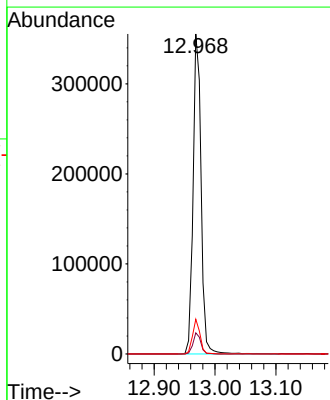
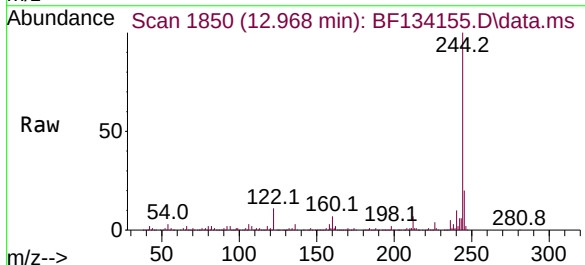
Instrument :
BNA_F
ClientSampleId :

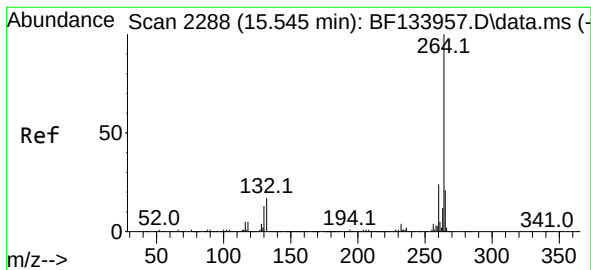
Tgt Ion:240 Resp: 381132
Ion Ratio Lower Upper
240 100
120 9.4 7.4 11.0
236 26.2 21.0 31.6



#79
Terphenyl-d14
Concen: 13.723 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.018 min
Lab File: BF134155.D
Acq: 08 Jul 2023 18:50

Tgt Ion:244 Resp: 324985
Ion Ratio Lower Upper
244 100
212 6.6 6.0 9.0
122 10.9 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.012 min

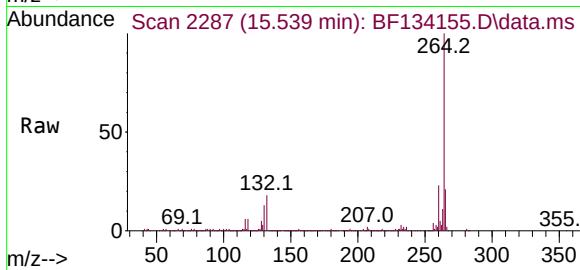
Lab File: BF134155.D

Acq: 08 Jul 2023 18:50

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:264 Resp: 286458

Ion Ratio Lower Upper

264 100

260 22.8 19.5 29.3

265 21.5 16.6 25.0

