

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050224\
 Data File : BF137823.D
 Acq On : 02 May 2024 19:24
 Operator : CG\JU
 Sample : P2331-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 03 02:24:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:25:08 2024
 Response via : Initial Calibration

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

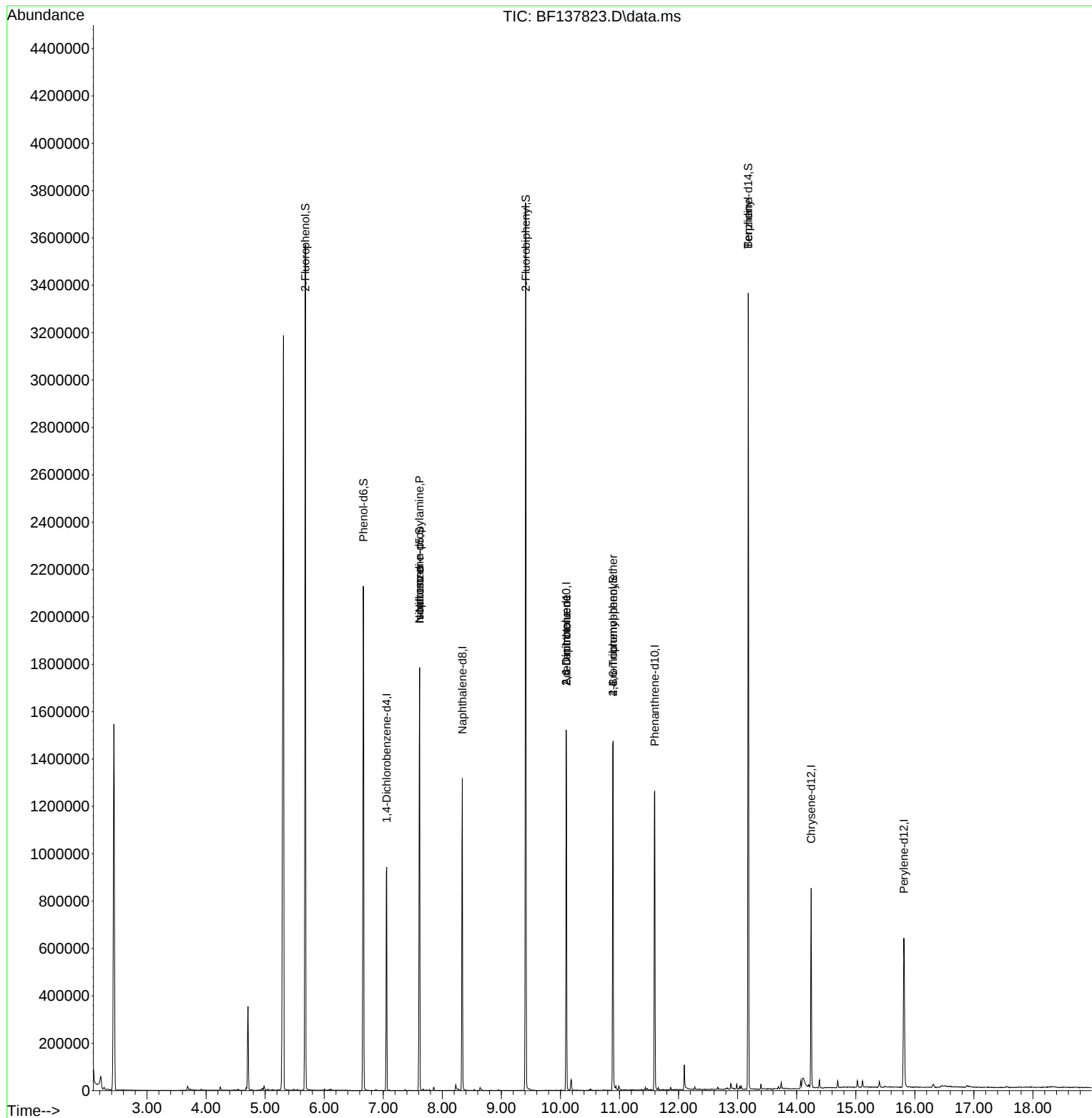
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.057	152	146571	20.000	ng	0.00
21) Naphthalene-d8	8.339	136	573964	20.000	ng	0.00
39) Acenaphthene-d10	10.098	164	321071	20.000	ng	-0.01
64) Phenanthrene-d10	11.598	188	498188	20.000	ng	# 0.00
76) Chrysene-d12	14.245	240	265233	20.000	ng	# 0.00
86) Perylene-d12	15.815	264	295689	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.681	112	958215	109.457	ng	0.00
7) Phenol-d6	6.663	99	807170	72.693	ng	-0.01
23) Nitrobenzene-d5	7.616	82	569928	57.690	ng	0.00
42) 2,4,6-Tribromophenol	10.892	330	196070	59.810	ng	0.00
45) 2-Fluorobiphenyl	9.416	172	1261192	63.728	ng	0.00
79) Terphenyl-d14	13.180	244	1091242	68.950	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.616	70	75149	11.325	ng	# 74
25) Isophorone	7.616	82	569921	31.996	ng	# 64
51) 2,6-Dinitrotoluene	10.098	165	41540	8.968	ng	# 27
57) 2,4-Dinitrotoluene	10.098	165	41541	6.865	ng	# 26
67) 4-Bromophenyl-phenylether	10.892	248	12908	2.421	ng	# 1
77) Benzidine	13.180	184	13155	2.145	ng	# 91

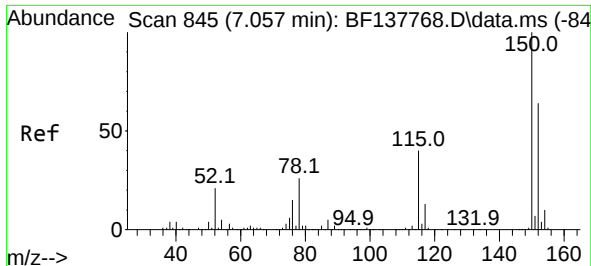
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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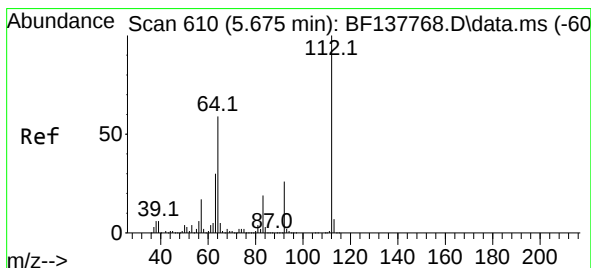
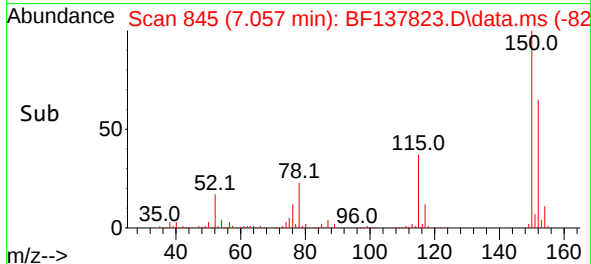
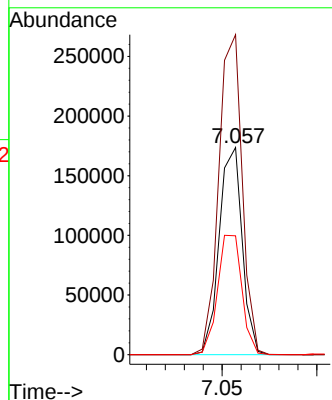
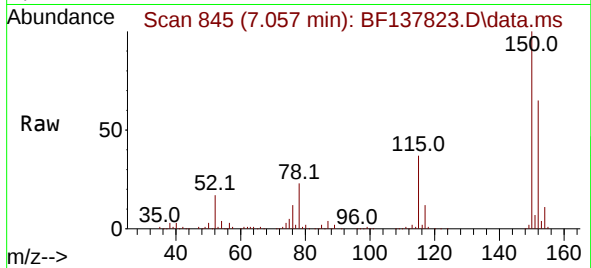




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.057 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF137823.D
Acq: 02 May 2024 19:24

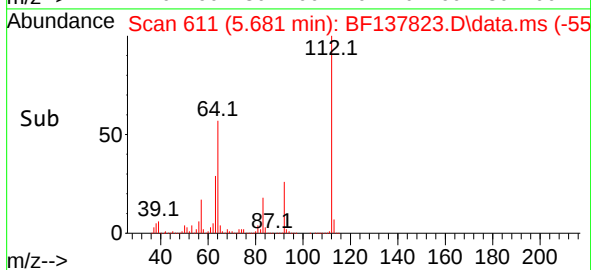
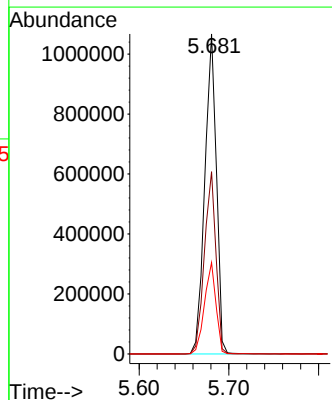
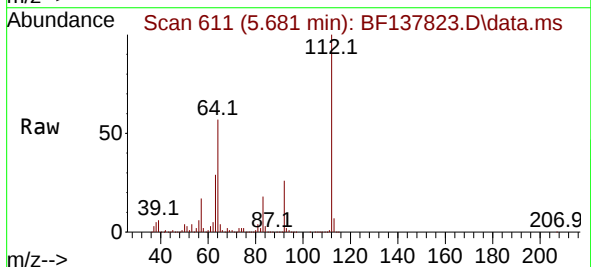
Instrument :
BNA_F
ClientSampleId :

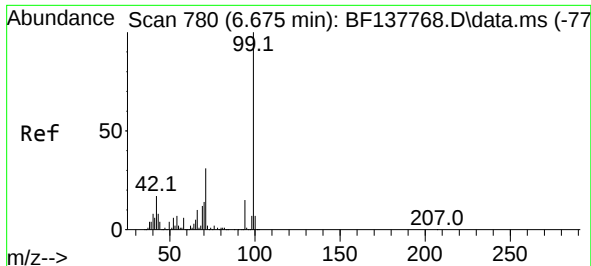
Tgt Ion:152 Resp: 146571
Ion Ratio Lower Upper
152 100
150 154.4 124.1 186.1
115 57.4 49.1 73.7



#5
2-Fluorophenol
Concen: 109.457 ng
RT: 5.681 min Scan# 611
Delta R.T. 0.006 min
Lab File: BF137823.D
Acq: 02 May 2024 19:24

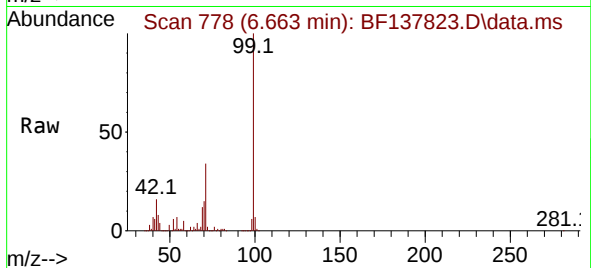
Tgt Ion:112 Resp: 958215
Ion Ratio Lower Upper
112 100
64 57.0 47.3 70.9
63 28.5 23.7 35.5



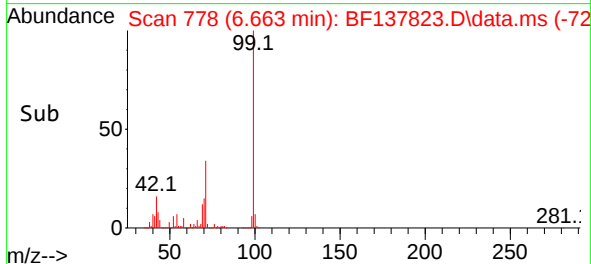
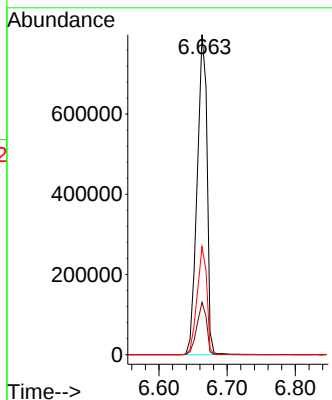


#7
Phenol-d6
Concen: 72.693 ng
RT: 6.663 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF137823.D
Acq: 02 May 2024 19:24

Instrument :
BNA_F
ClientSampleId :

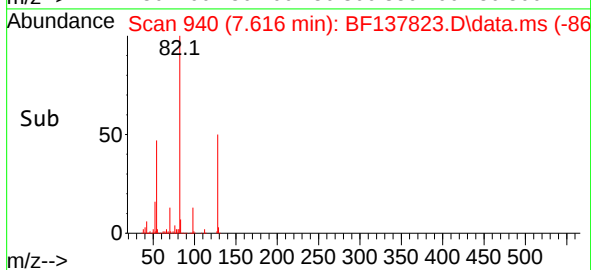
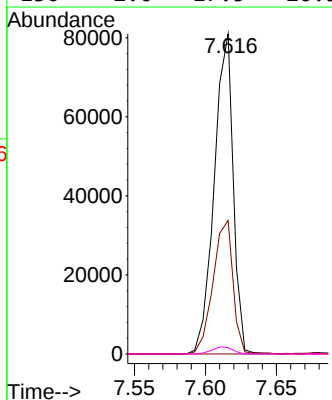
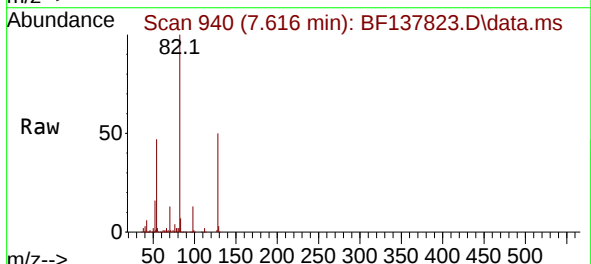


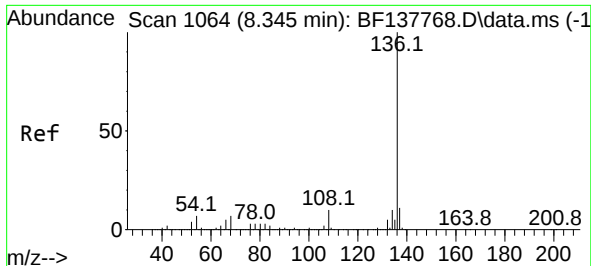
Tgt Ion: 99 Resp: 807170
Ion Ratio Lower Upper
99 100
42 16.3 13.2 19.8
71 33.8 25.0 37.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.325 ng
RT: 7.616 min Scan# 940
Delta R.T. 0.153 min
Lab File: BF137823.D
Acq: 02 May 2024 19:24

Tgt Ion: 70 Resp: 75149
Ion Ratio Lower Upper
70 100
42 41.7 44.6 66.8#
101 0.0 7.8 11.6#
130 2.0 17.5 26.3#



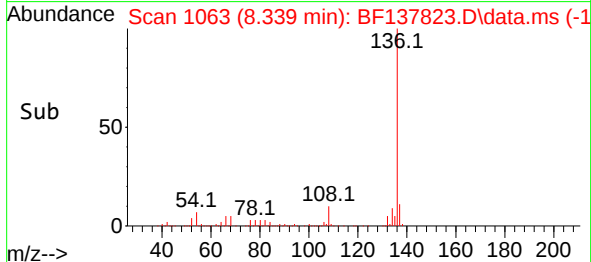
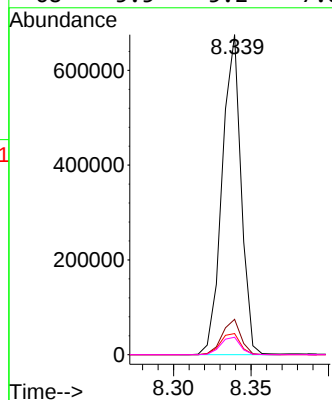
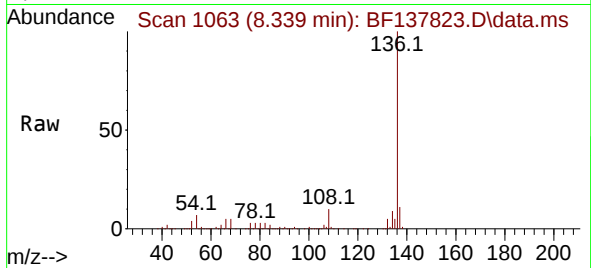


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.339 min Scan# 1063
Delta R.T. -0.006 min
Lab File: BF137823.D
Acq: 02 May 2024 19:24

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 573964

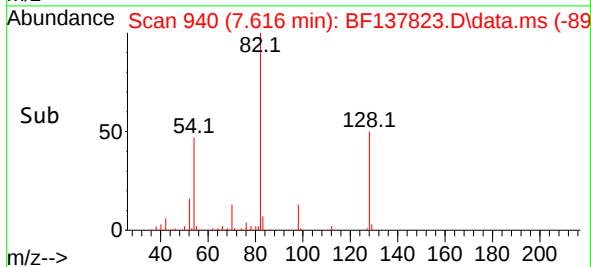
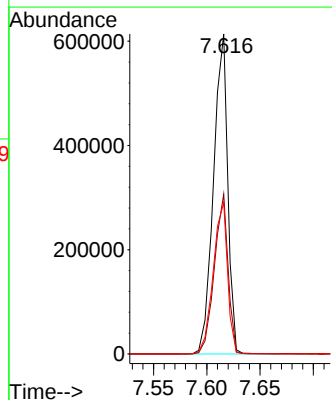
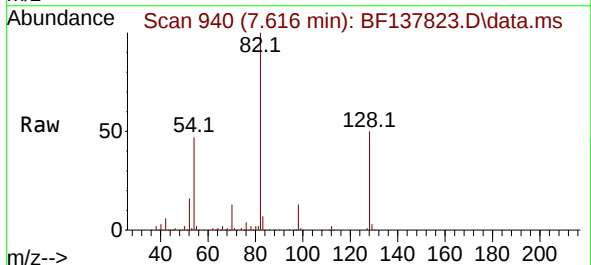
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.6	5.8	8.8
68	5.5	5.2	7.8



#23
Nitrobenzene-d5
Concen: 57.690 ng
RT: 7.616 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF137823.D
Acq: 02 May 2024 19:24

Tgt Ion: 82 Resp: 569928

Ion	Ratio	Lower	Upper
82	100		
128	50.0	37.5	56.3
54	47.3	39.8	59.6

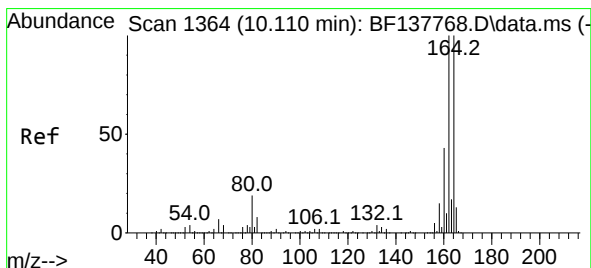
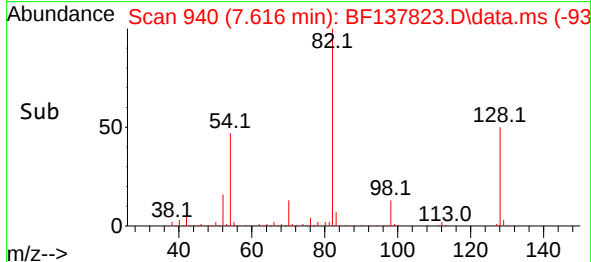
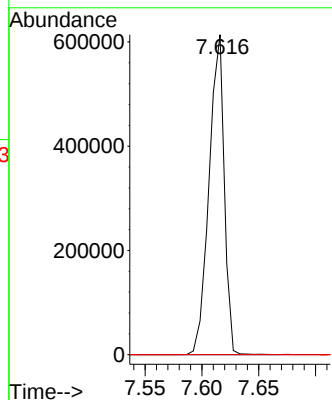
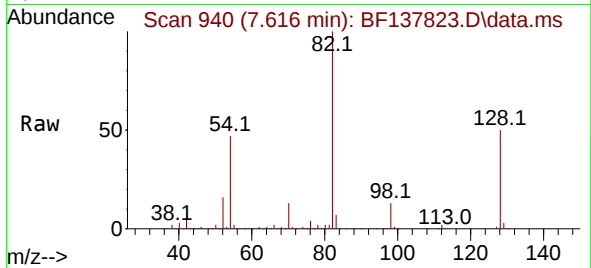




#25
Isophorone
Concen: 31.996 ng
RT: 7.616 min Scan# 94
Delta R.T. -0.259 min
Lab File: BF137823.D
Acq: 02 May 2024 19:24

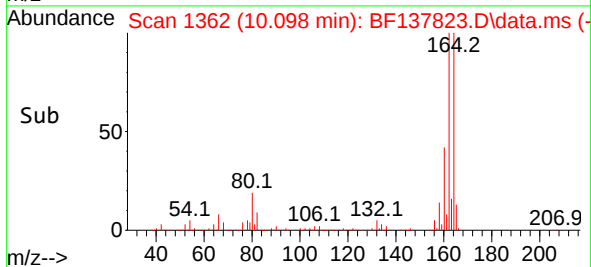
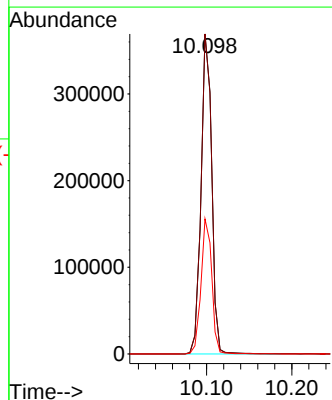
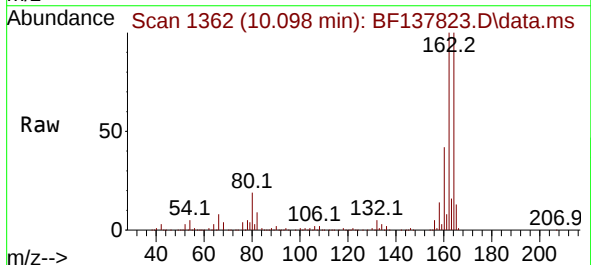
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 569921
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.0 22.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.012 min
Lab File: BF137823.D
Acq: 02 May 2024 19:24

Tgt Ion:164 Resp: 321071
Ion Ratio Lower Upper
164 100
162 100.0 79.8 119.6
160 42.2 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 59.810 ng

RT: 10.892 min Scan# 1498

Delta R.T. -0.006 min

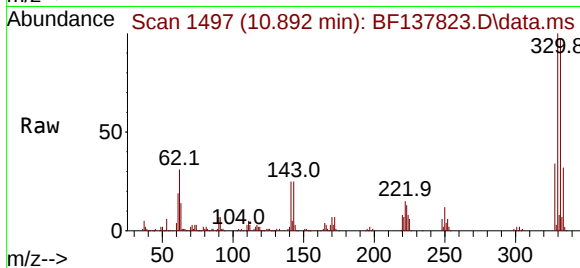
Lab File: BF137823.D

Acq: 02 May 2024 19:24

Instrument :

BNA_F

ClientSampleId :



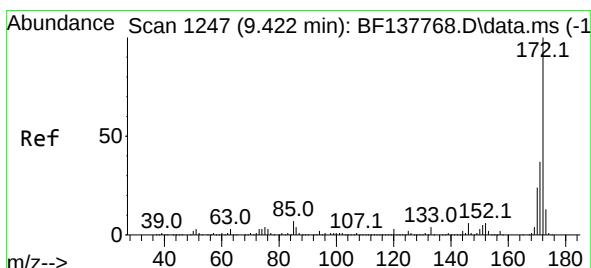
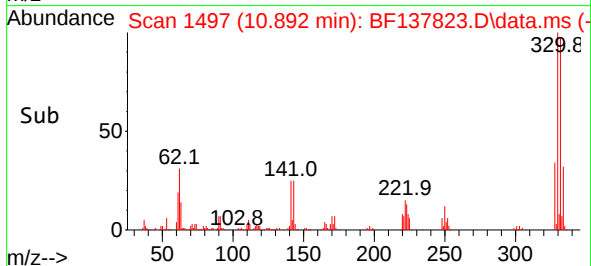
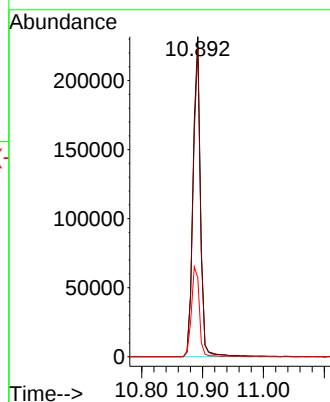
Tgt Ion:330 Resp: 196070

Ion Ratio Lower Upper

330 100

332 95.7 77.3 115.9

141 29.8 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 63.728 ng

RT: 9.416 min Scan# 1246

Delta R.T. -0.006 min

Lab File: BF137823.D

Acq: 02 May 2024 19:24

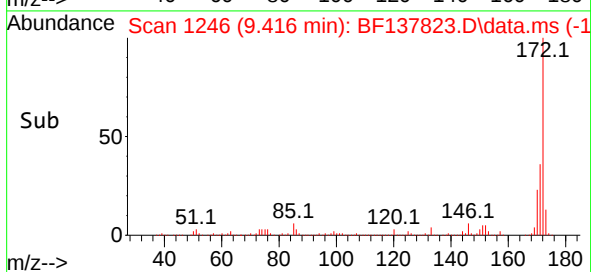
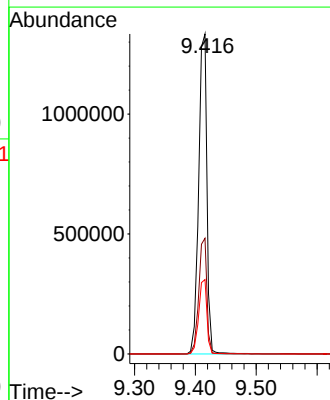
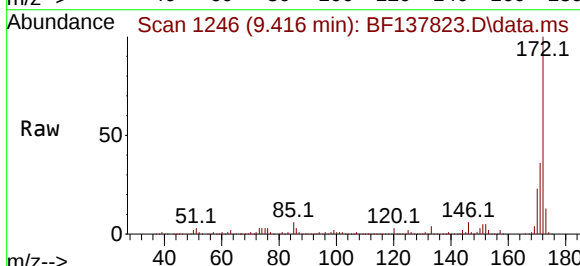
Tgt Ion:172 Resp: 1261192

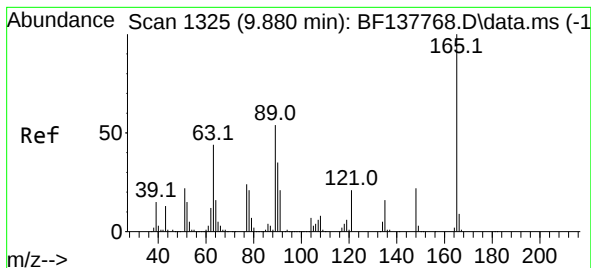
Ion Ratio Lower Upper

172 100

171 36.1 29.6 44.4

170 23.2 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.968 ng

RT: 10.098 min Scan# 1362

Delta R.T. 0.218 min

Lab File: BF137823.D

Acq: 02 May 2024 19:24

Instrument :

BNA_F

ClientSampleId :

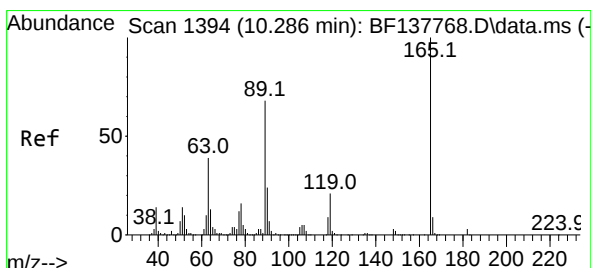
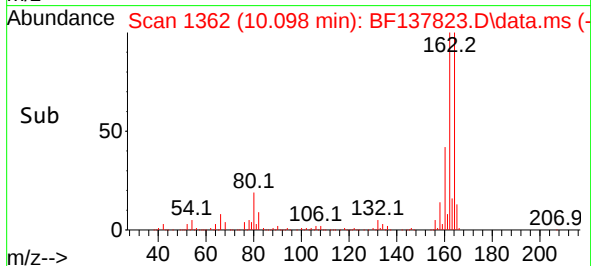
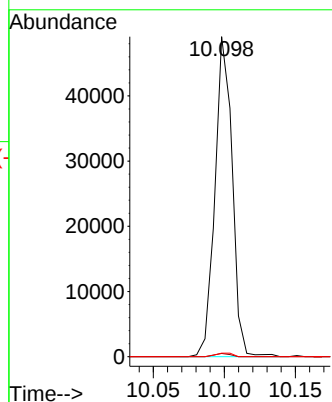
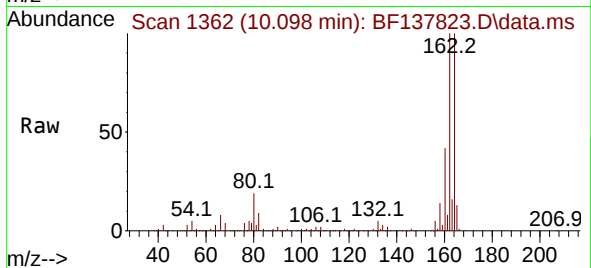
Tgt Ion:165 Resp: 41540

Ion Ratio Lower Upper

165 100

63 1.0 41.9 62.9#

89 1.1 43.2 64.8#



#57

2,4-Dinitrotoluene

Concen: 6.865 ng

RT: 10.098 min Scan# 1362

Delta R.T. -0.188 min

Lab File: BF137823.D

Acq: 02 May 2024 19:24

Tgt Ion:165 Resp: 41541

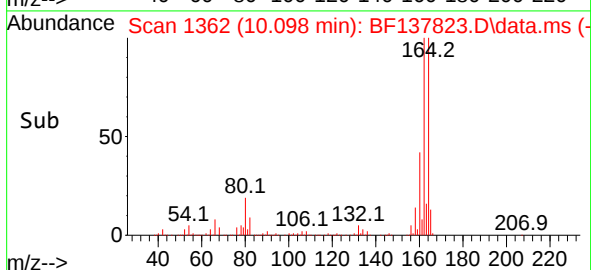
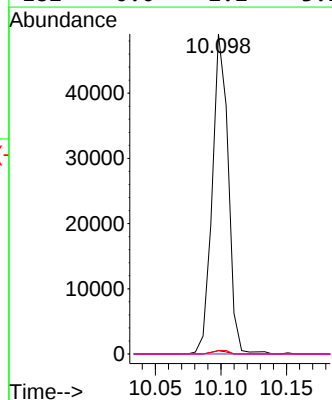
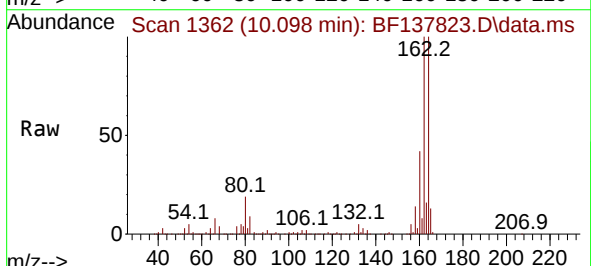
Ion Ratio Lower Upper

165 100

63 1.0 31.3 46.9#

89 1.1 54.2 81.4#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.598 min Scan# 1

Delta R.T. -0.000 min

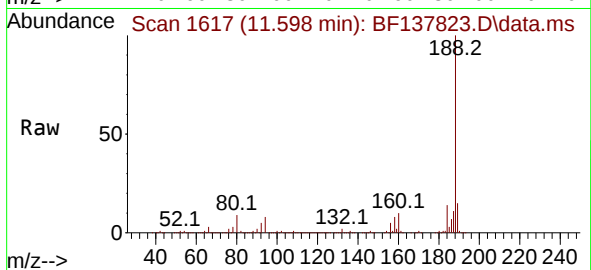
Lab File: BF137823.D

Acq: 02 May 2024 19:24

Instrument :

BNA_F

ClientSampleId :



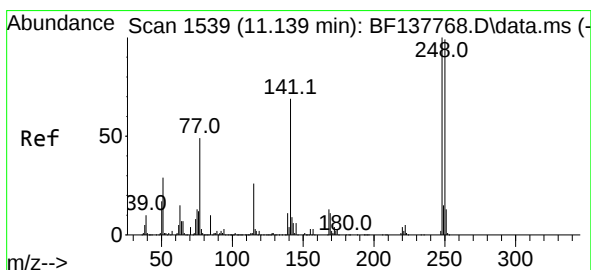
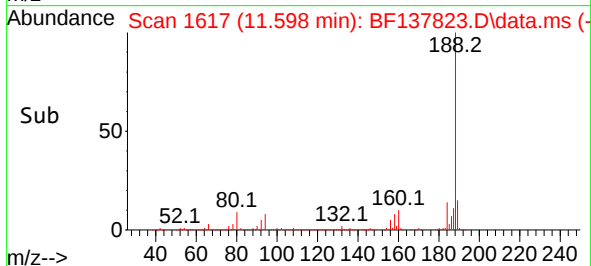
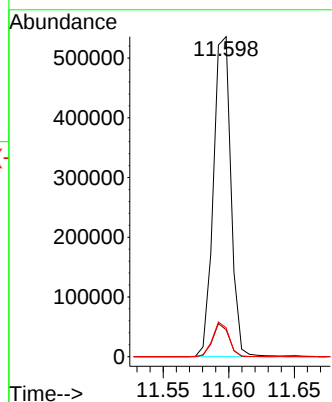
Tgt Ion:188 Resp: 498188

Ion Ratio Lower Upper

188 100

94 8.4 8.8 13.2#

80 9.0 9.6 14.4#



#67

4-Bromophenyl-phenylether

Concen: 2.421 ng

RT: 10.892 min Scan# 1497

Delta R.T. -0.247 min

Lab File: BF137823.D

Acq: 02 May 2024 19:24

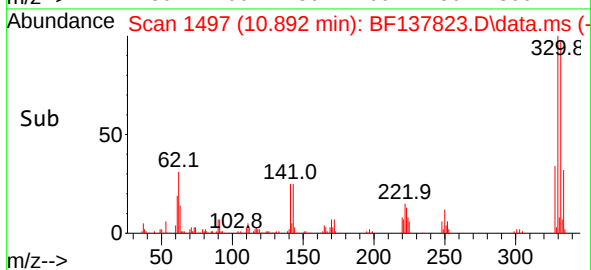
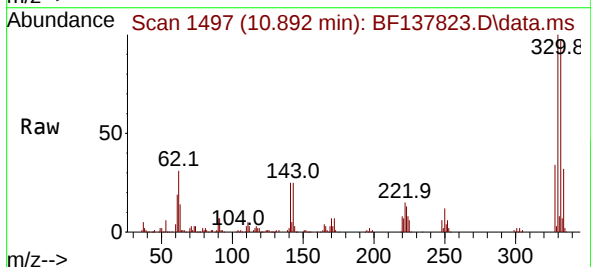
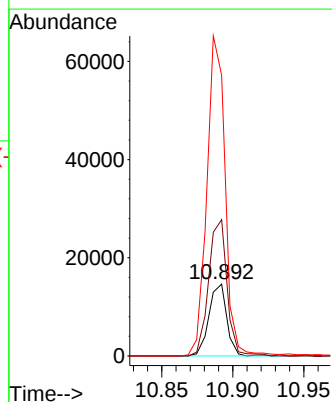
Tgt Ion:248 Resp: 12908

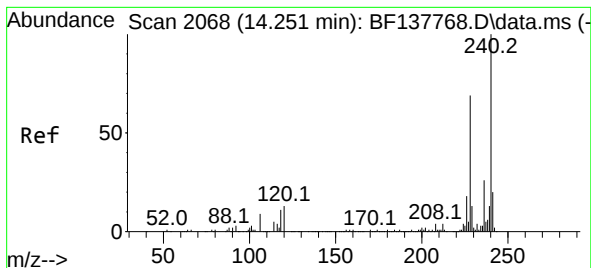
Ion Ratio Lower Upper

248 100

250 189.8 79.1 118.7#

141 390.5 55.4 83.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.245 min Scan# 2067

Delta R.T. -0.006 min

Lab File: BF137823.D

Acq: 02 May 2024 19:24

Instrument :

BNA_F

ClientSampleId :

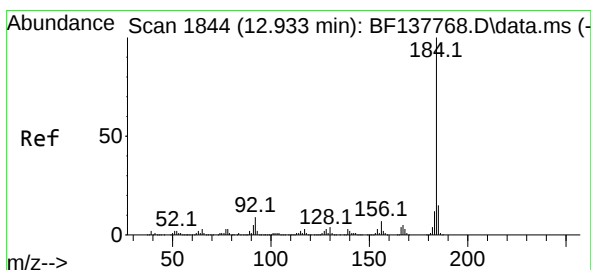
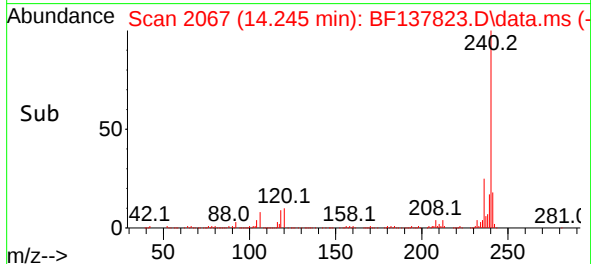
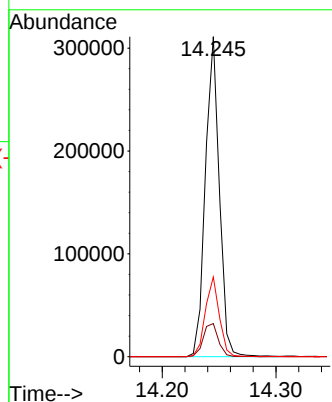
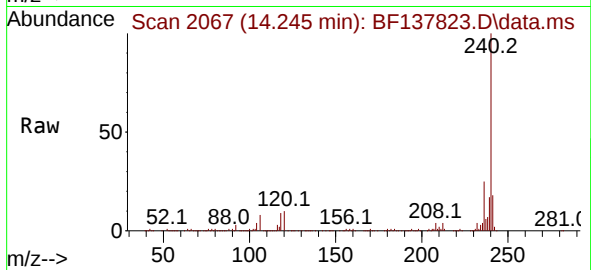
Tgt Ion:240 Resp: 265233

Ion Ratio Lower Upper

240 100

120 10.4 10.4 15.6#

236 24.9 20.4 30.6



#77

Benzidine

Concen: 2.145 ng

RT: 13.180 min Scan# 1886

Delta R.T. 0.247 min

Lab File: BF137823.D

Acq: 02 May 2024 19:24

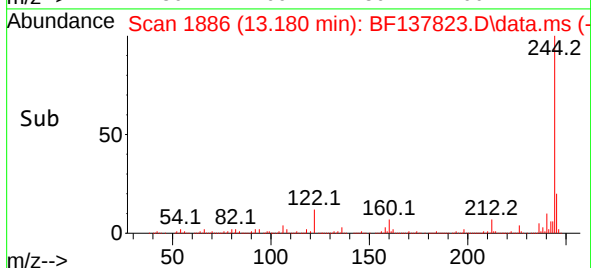
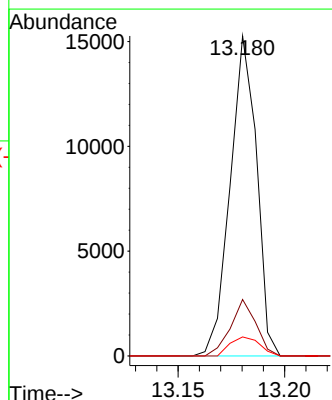
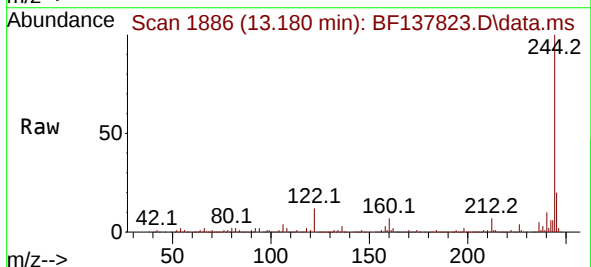
Tgt Ion:184 Resp: 13155

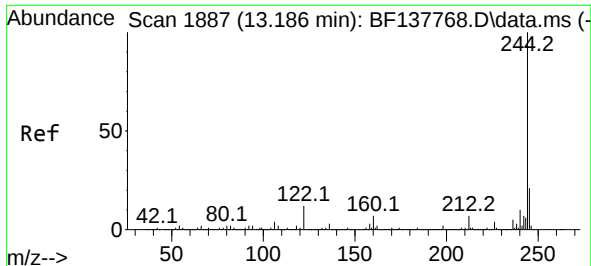
Ion Ratio Lower Upper

184 100

185 17.6 12.3 18.5

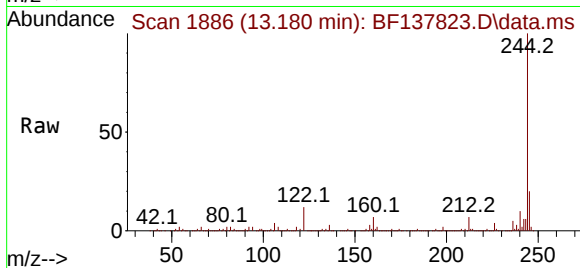
183 5.9 9.2 13.8#



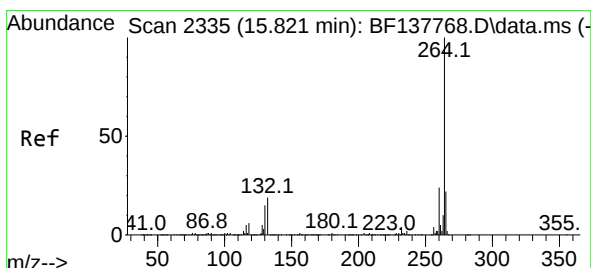
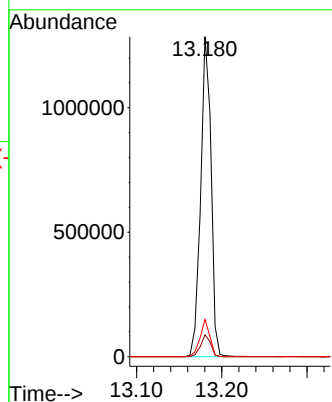
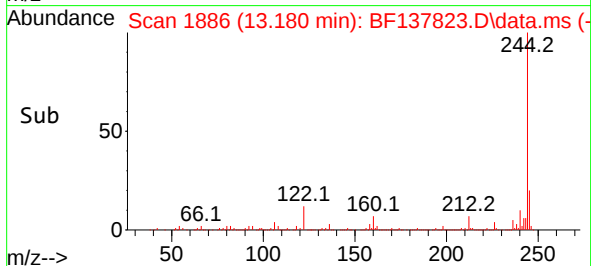


#79
 Terphenyl-d14
 Concen: 68.950 ng
 RT: 13.180 min Scan# 1886
 Delta R.T. -0.006 min
 Lab File: BF137823.D
 Acq: 02 May 2024 19:24

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:244 Resp: 1091242
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 11.7 9.4 14.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.815 min Scan# 2334
 Delta R.T. -0.006 min
 Lab File: BF137823.D
 Acq: 02 May 2024 19:24

Tgt Ion:264 Resp: 295689
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.9 28.3
 265 21.7 17.4 26.0

