

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
 Data File : BF135581.D
 Acq On : 04 Oct 2023 21:14
 Operator : CG\JU
 Sample : 04668-07MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200027MSD

Quant Time: Oct 04 23:28:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

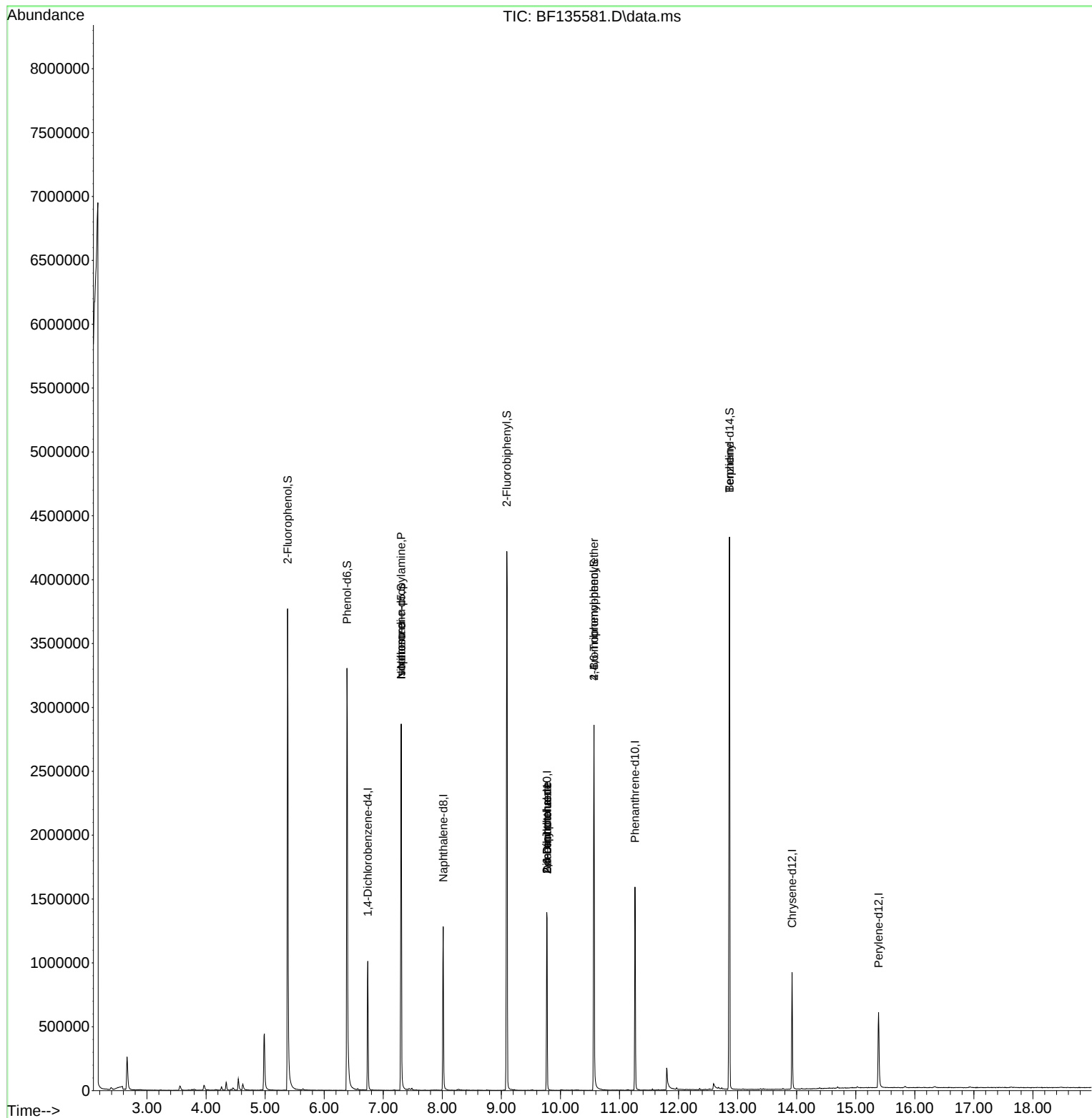
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	150896	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	589416	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	299073	20.000	ng	0.00
64) Phenanthrene-d10	11.263	188	588265	20.000	ng	# 0.00
76) Chrysene-d12	13.921	240	303995	20.000	ng	0.00
86) Perylene-d12	15.386	264	289105	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	1101118	118.685	ng	0.01
7) Phenol-d6	6.387	99	1299076	110.119	ng	0.00
23) Nitrobenzene-d5	7.304	82	918333	84.647	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	350464	117.919	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1575261	79.467	ng	0.00
79) Terphenyl-d14	12.863	244	1714200	87.414	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.304	70	121469	16.623	ng	# 80
25) Isophorone	7.304	82	918324	46.097	ng	# 65
50) Dimethylphthalate	9.775	163	61500	3.041	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	38001	8.579	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	38001	6.853	ng	# 19
67) 4-Bromophenyl-phenylether	10.569	248	22515	3.848	ng	# 1
77) Benzidine	12.863	184	22180	3.561	ng	# 94

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

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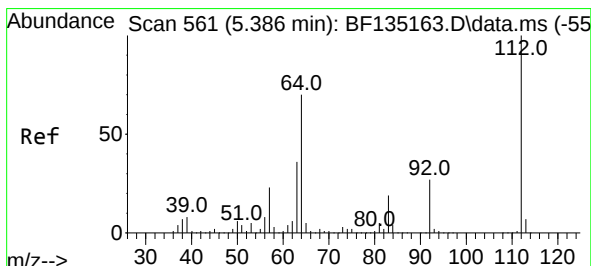
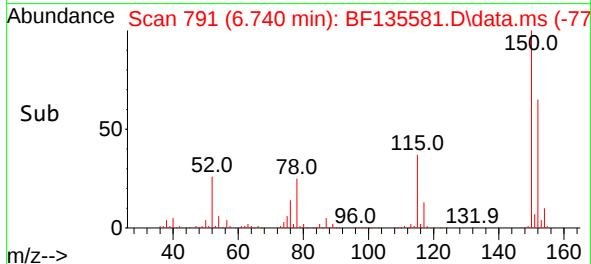
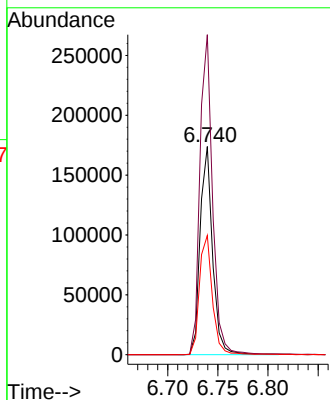
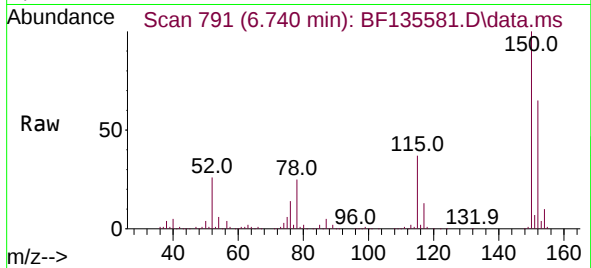




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135581.D
Acq: 04 Oct 2023 21:14

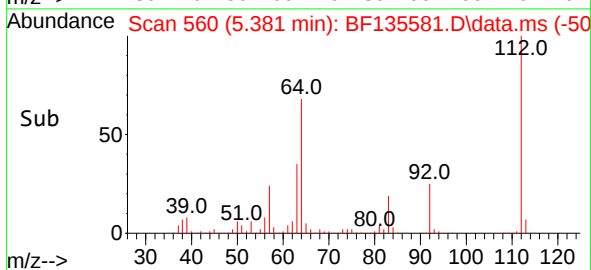
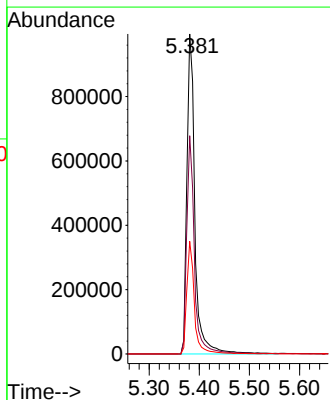
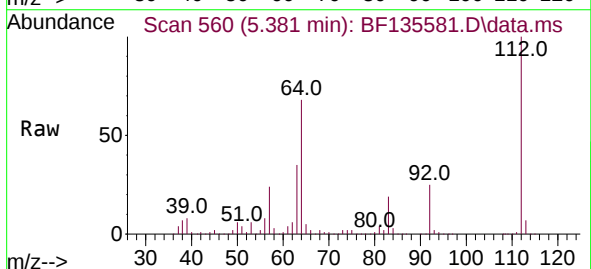
Instrument :
BNA_F
ClientSampleId :
RBR200027MSD

Tgt Ion:152 Resp: 150896
Ion Ratio Lower Upper
152 100
150 153.7 127.8 191.6
115 57.3 49.8 74.8



#5
2-Fluorophenol
Concen: 118.685 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135581.D
Acq: 04 Oct 2023 21:14

Tgt Ion:112 Resp: 1101118
Ion Ratio Lower Upper
112 100
64 68.2 55.9 83.9
63 35.2 29.0 43.6





#7

Phenol-d6

Concen: 110.119 ng

RT: 6.387 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135581.D

Acq: 04 Oct 2023 21:14

Instrument :

BNA_F

ClientSampleId :

RBR200027MSD

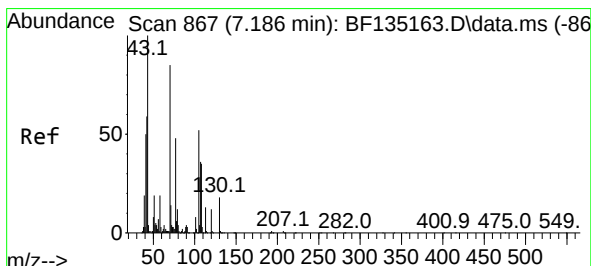
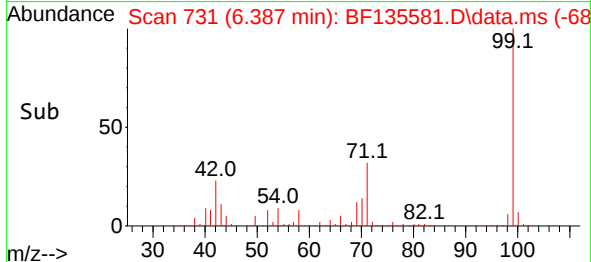
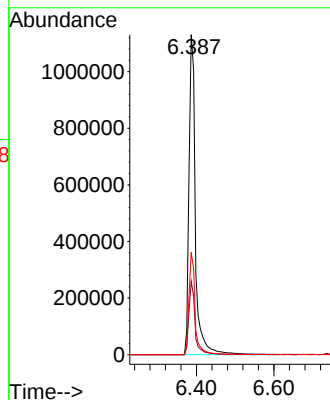
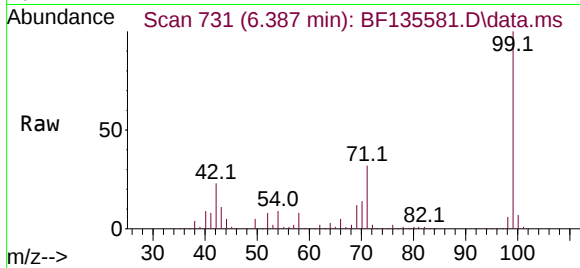
Tgt Ion: 99 Resp: 1299076

Ion Ratio Lower Upper

99 100

42 22.9 17.9 26.9

71 31.9 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 16.623 ng

RT: 7.304 min Scan# 887

Delta R.T. 0.147 min

Lab File: BF135581.D

Acq: 04 Oct 2023 21:14

Tgt Ion: 70 Resp: 121469

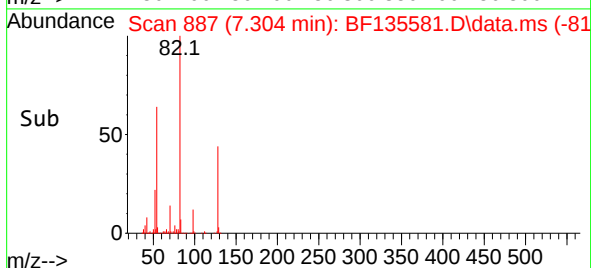
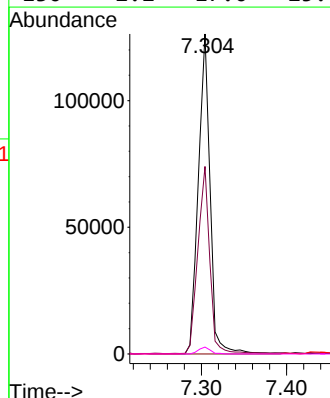
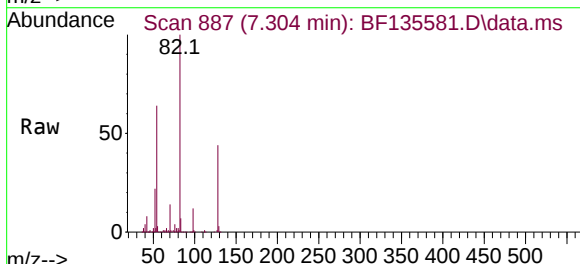
Ion Ratio Lower Upper

70 100

42 58.6 55.4 83.0

101 0.0 7.7 11.5#

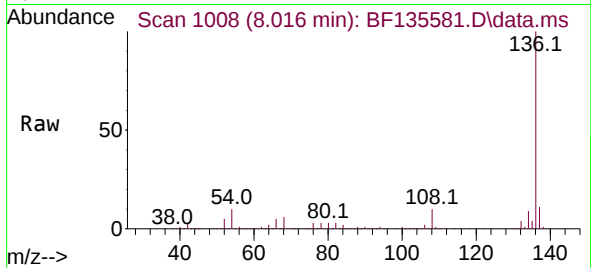
130 2.2 17.0 25.6#



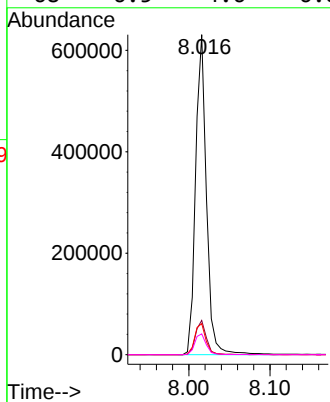
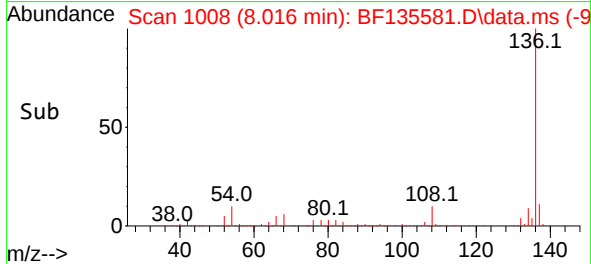


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135581.D
Acq: 04 Oct 2023 21:14

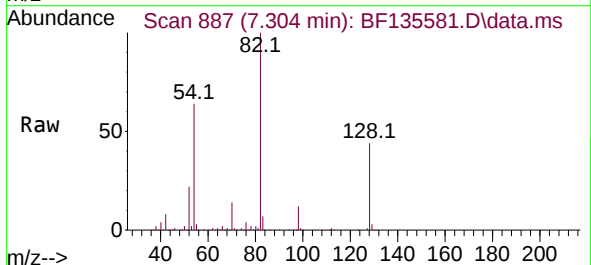
Instrument :
BNA_F
ClientSampleId :
RBR200027MSD



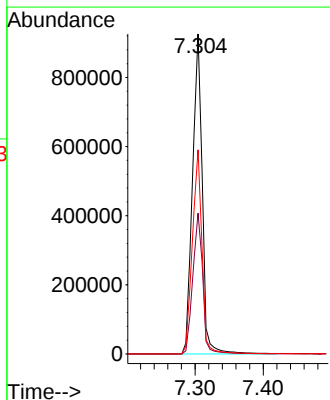
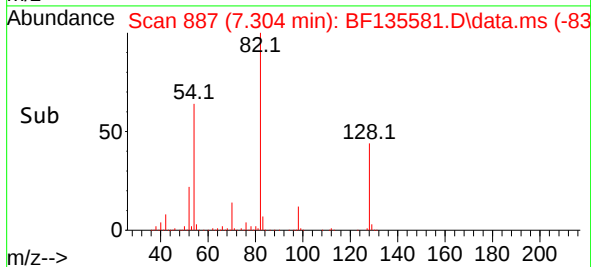
Tgt Ion:136 Resp: 589416
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 9.7 7.7 11.5
68 6.5 4.6 6.8



#23
Nitrobenzene-d5
Concen: 84.647 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135581.D
Acq: 04 Oct 2023 21:14



Tgt Ion: 82 Resp: 918333
Ion Ratio Lower Upper
82 100
128 44.0 35.8 53.6
54 63.8 50.6 76.0

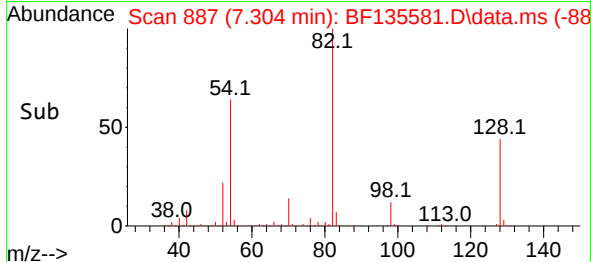
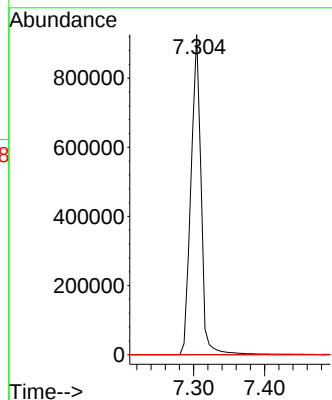
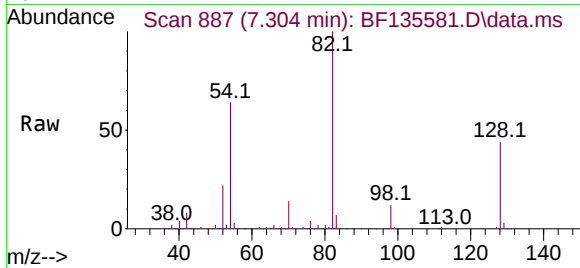




#25
Isophorone
Concen: 46.097 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135581.D
Acq: 04 Oct 2023 21:14

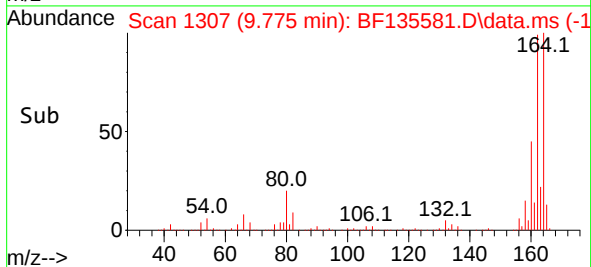
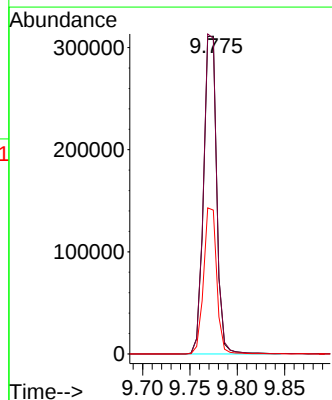
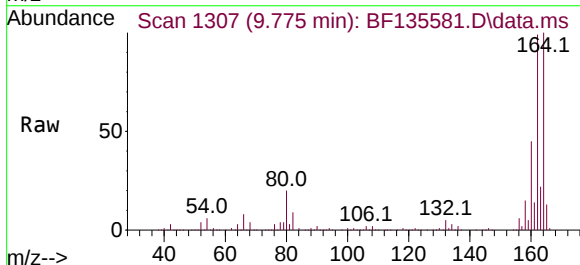
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BNA_F
ClientSampleId :
RBR200027MSD

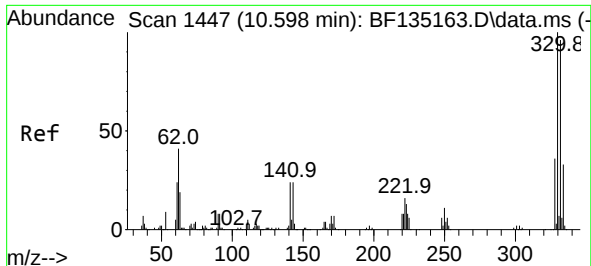
Tgt Ion: 82 Resp: 918324
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.000 min
Lab File: BF135581.D
Acq: 04 Oct 2023 21:14

Tgt Ion:164 Resp: 299073
Ion Ratio Lower Upper
164 100
162 99.4 81.0 121.4
160 45.3 37.0 55.4

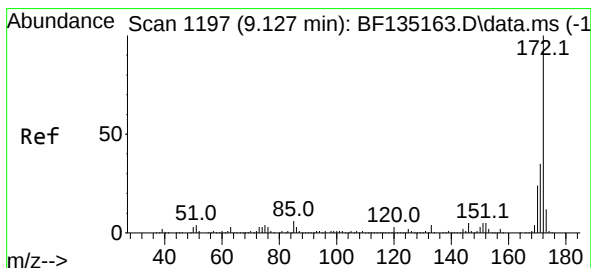
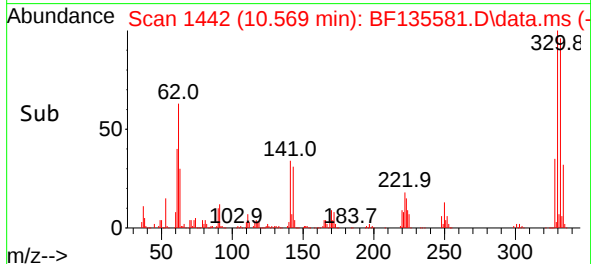
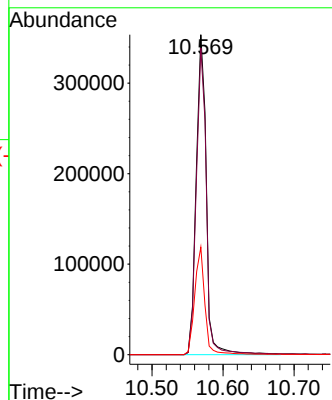
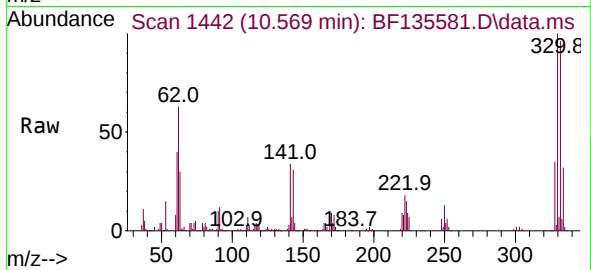




#42
2,4,6-Tribromophenol
Concen: 117.919 ng
RT: 10.569 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF135581.D
Acq: 04 Oct 2023 21:14

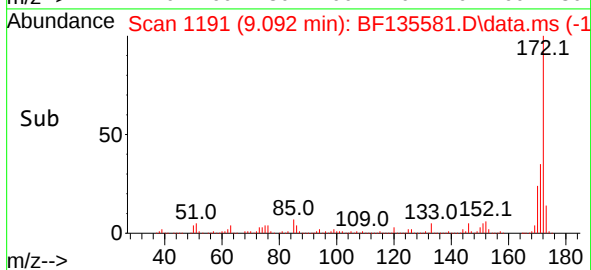
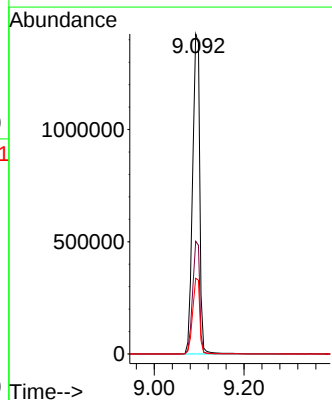
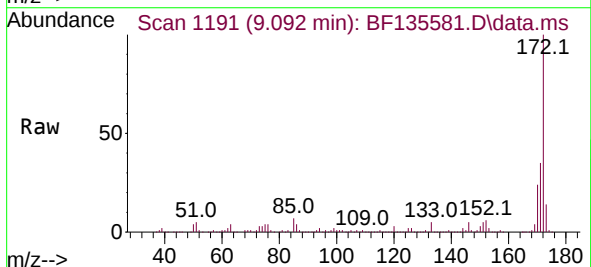
Instrument :
BNA_F
ClientSampleId :
RBR200027MSD

Tgt Ion:330 Resp: 350464
Ion Ratio Lower Upper
330 100
332 95.1 77.3 115.9
141 33.7 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 79.467 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135581.D
Acq: 04 Oct 2023 21:14

Tgt Ion:172 Resp: 1575261
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.7 19.0 28.4

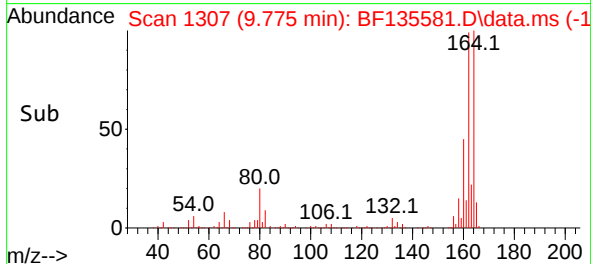
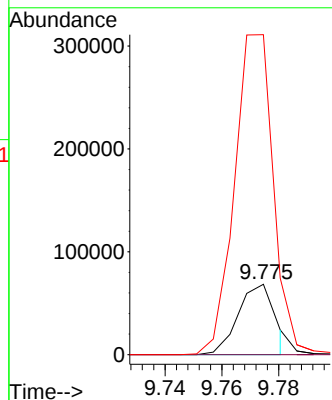
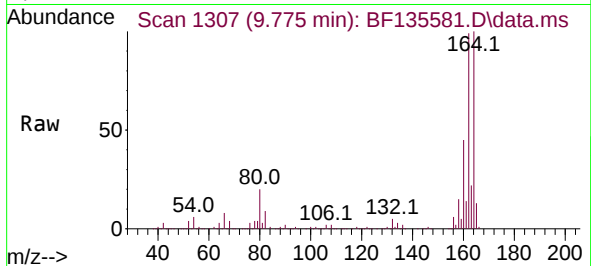




#50
Dimethylphthalate
Concen: 3.041 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.271 min
Lab File: BF135581.D
Acq: 04 Oct 2023 21:14

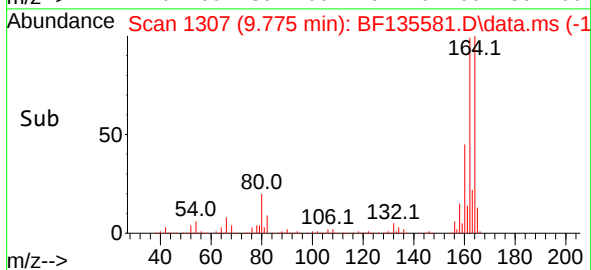
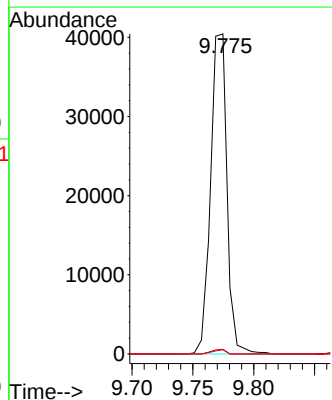
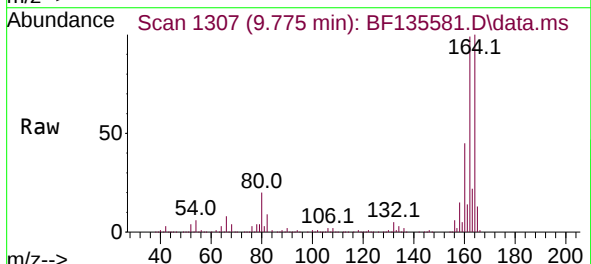
Instrument :
BNA_F
ClientSampleId :
RBR200027MSD

Tgt Ion:163 Resp: 61500
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 454.4 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.579 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.200 min
Lab File: BF135581.D
Acq: 04 Oct 2023 21:14

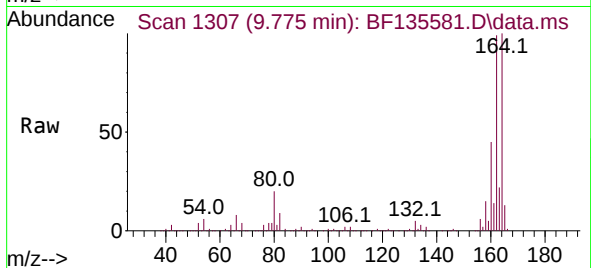
Tgt Ion:165 Resp: 38001
Ion Ratio Lower Upper
165 100
63 1.5 59.4 89.2#
89 1.3 49.8 74.8#



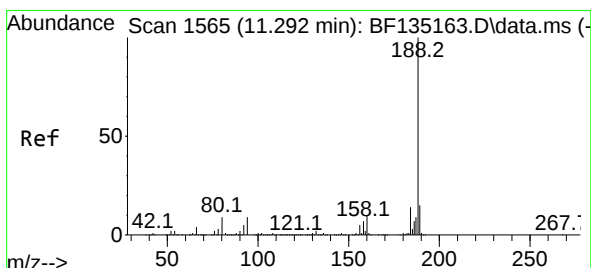
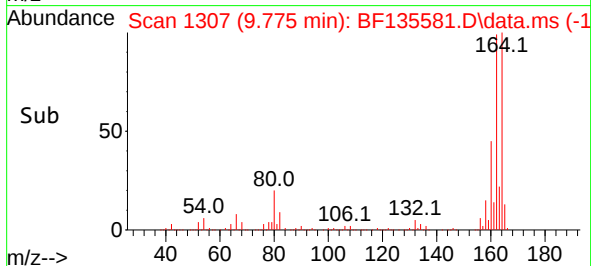
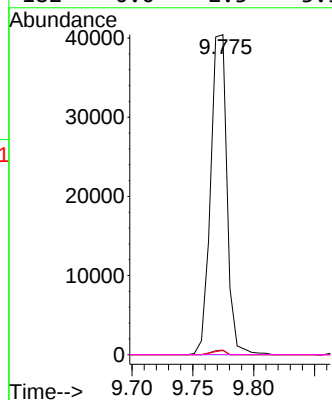


#57
2,4-Dinitrotoluene
Concen: 6.853 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF135581.D
Acq: 04 Oct 2023 21:14

Instrument :
BNA_F
ClientSampleId :
RBR200027MSD

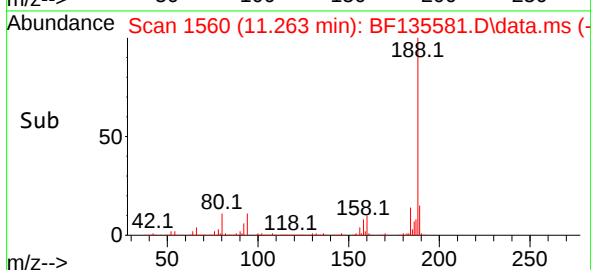
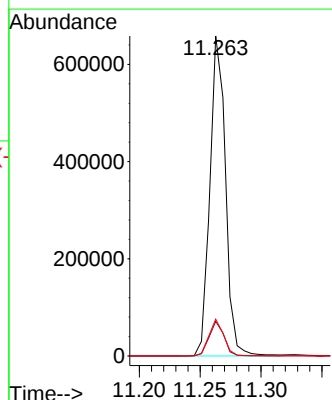
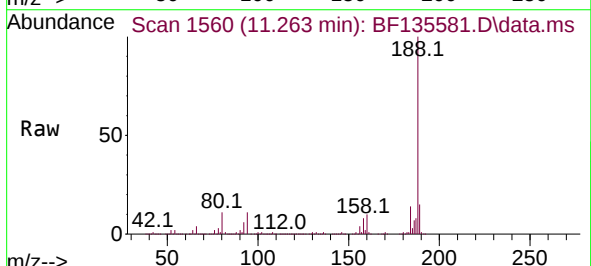


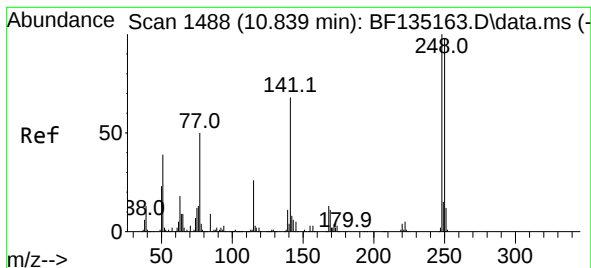
Tgt Ion:165 Resp: 38001
Ion Ratio Lower Upper
165 100
63 1.5 50.1 75.1#
89 1.3 59.3 88.9#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF135581.D
Acq: 04 Oct 2023 21:14

Tgt Ion:188 Resp: 588265
Ion Ratio Lower Upper
188 100
94 10.8 7.0 10.6#
80 11.5 7.5 11.3#

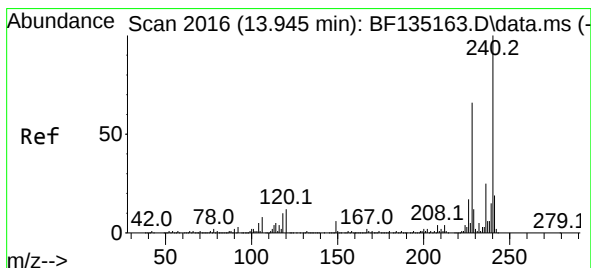
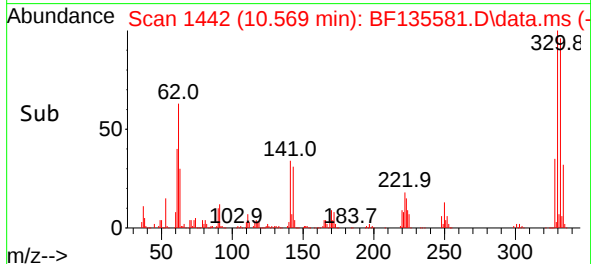
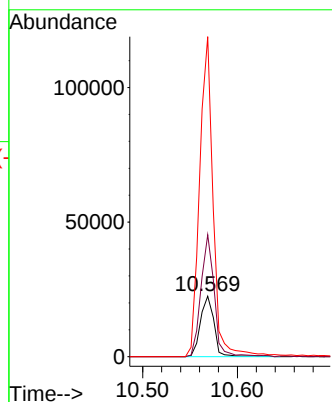
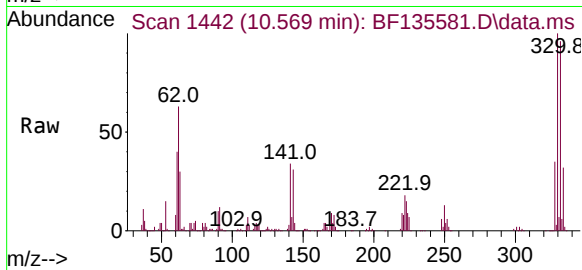




#67
4-Bromophenyl-phenylether
Concen: 3.848 ng
RT: 10.569 min Scan# 1488
Delta R.T. -0.241 min
Lab File: BF135581.D
Acq: 04 Oct 2023 21:14

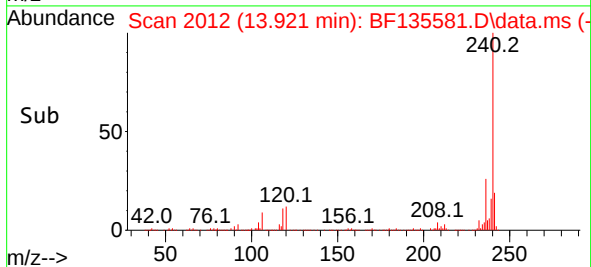
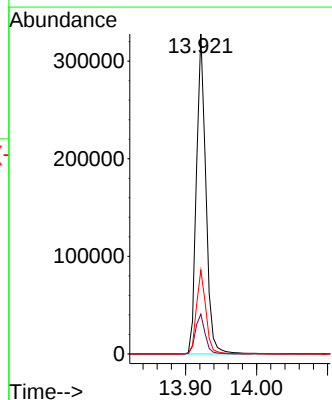
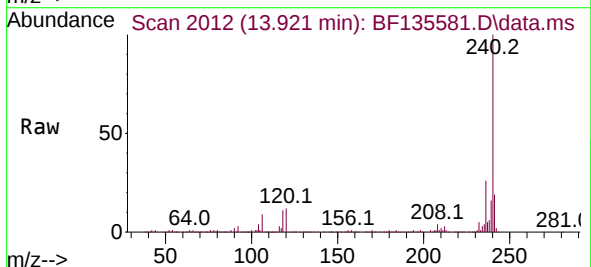
Instrument :
BNA_F
ClientSampleId :
RBR200027MSD

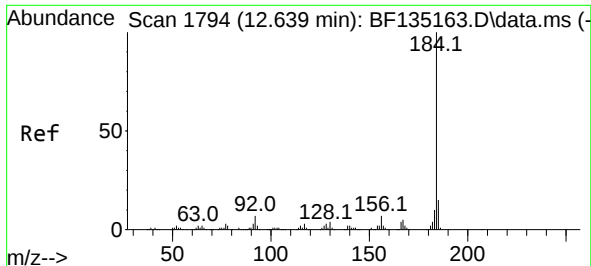
Tgt Ion:248 Resp: 22515
Ion Ratio Lower Upper
248 100
250 201.6 78.6 117.8#
141 529.1 54.2 81.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.921 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF135581.D
Acq: 04 Oct 2023 21:14

Tgt Ion:240 Resp: 303995
Ion Ratio Lower Upper
240 100
120 12.5 9.4 14.2
236 26.2 19.8 29.8

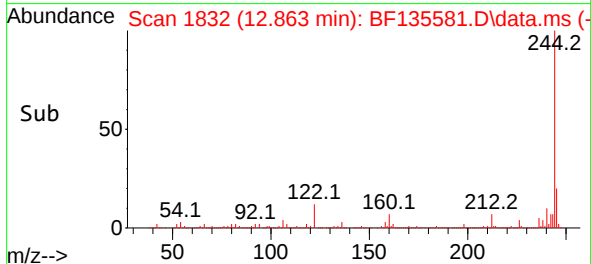
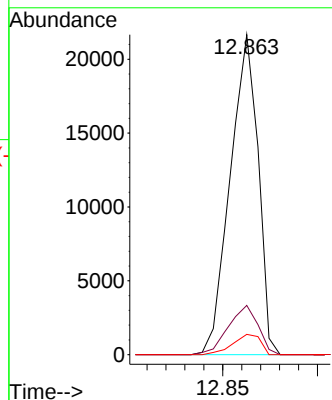
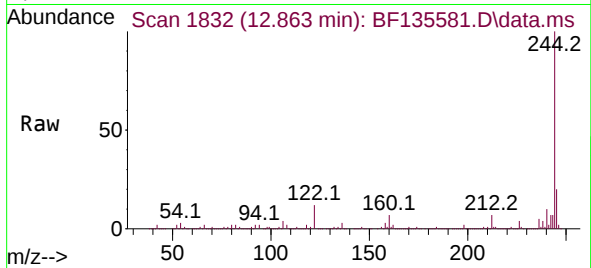




#77
Benzidine
Concen: 3.561 ng
RT: 12.863 min Scan# 1832
Delta R.T. 0.247 min
Lab File: BF135581.D
Acq: 04 Oct 2023 21:14

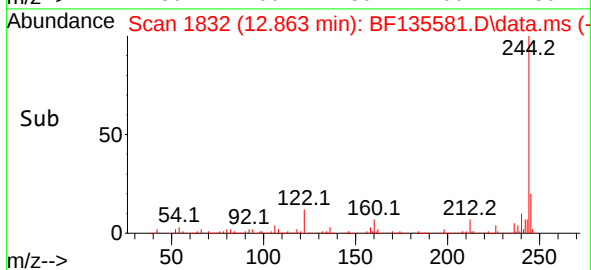
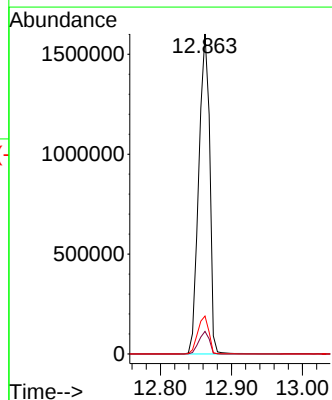
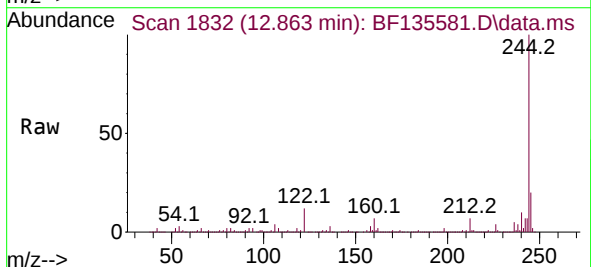
Instrument :
BNA_F
ClientSampleId :
RBR200027MSD

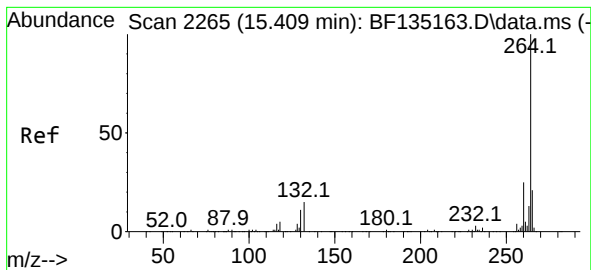
Tgt Ion:184 Resp: 22180
Ion Ratio Lower Upper
184 100
185 15.4 11.7 17.5
183 6.4 8.2 12.4#



#79
Terphenyl-d14
Concen: 87.414 ng
RT: 12.863 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BF135581.D
Acq: 04 Oct 2023 21:14

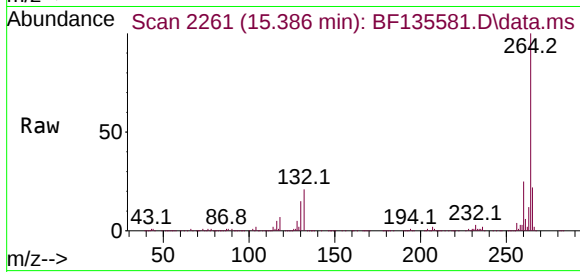
Tgt Ion:244 Resp: 1714200
Ion Ratio Lower Upper
244 100
212 7.0 5.1 7.7
122 11.9 7.9 11.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.386 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF135581.D
 Acq: 04 Oct 2023 21:14

Instrument :
 BNA_F
 ClientSampleId :
 RBR200027MSD



Tgt Ion:264 Resp: 289105
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.8 29.6
 265 22.1 17.0 25.4

