

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135849.D
 Acq On : 18 Oct 2023 16:07
 Operator : CG\JU
 Sample : 04767-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EB-1

Quant Time: Oct 19 01:19:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

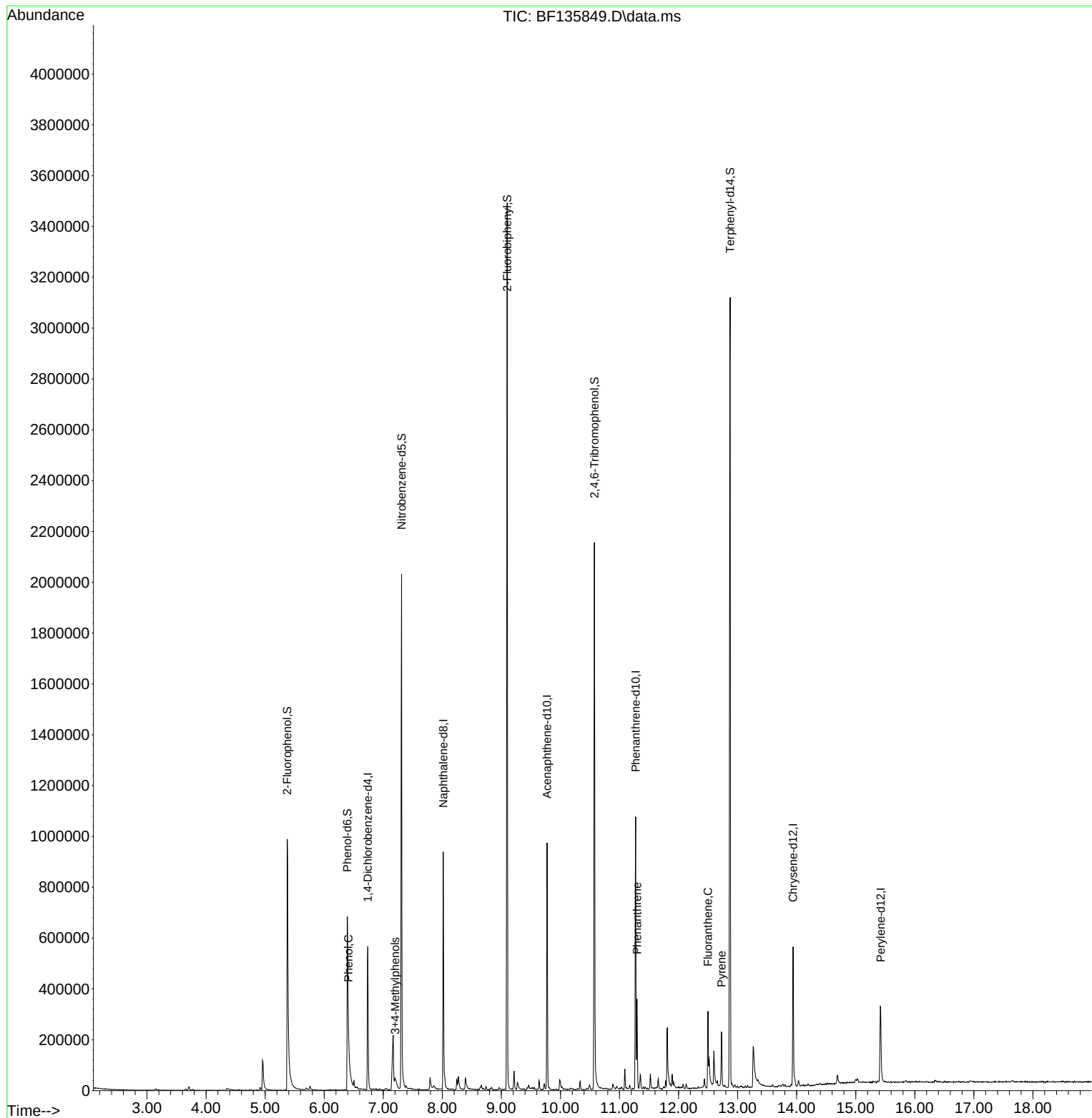
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	91285	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	377669	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	180203	20.000	ng	-0.01
64) Phenanthrene-d10	11.274	188	377601	20.000	ng	0.00
76) Chrysene-d12	13.939	240	182799	20.000	ng	-0.01
86) Perylene-d12	15.421	264	168263	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	394703	69.517	ng	0.00
7) Phenol-d6	6.392	99	294884	41.625	ng	0.00
23) Nitrobenzene-d5	7.310	82	579186	84.346	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	265857	153.746	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	1013817	87.963	ng	0.00
79) Terphenyl-d14	12.874	244	1190031	120.560	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.410	94	41804	5.632	ng	# 75
20) 3+4-Methylphenols	7.204	107	15989	2.420	ng	# 89
71) Phenanthrene	11.298	178	127833	7.067	ng	97
75) Fluoranthene	12.498	202	116789	5.817	ng	96
78) Pyrene	12.727	202	89706	6.175	ng	98

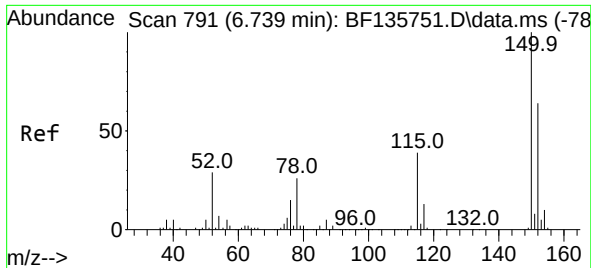
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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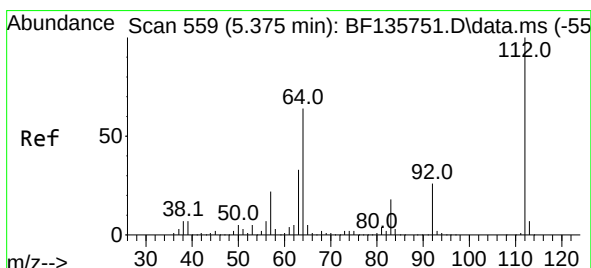
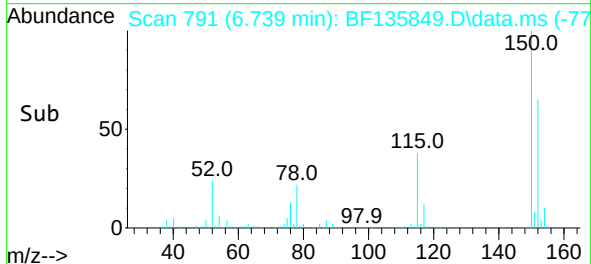
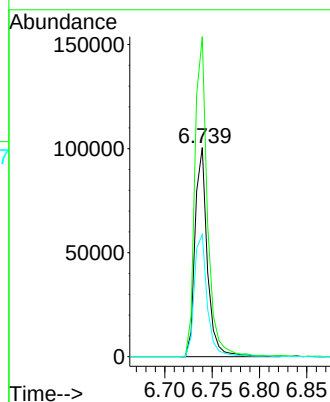
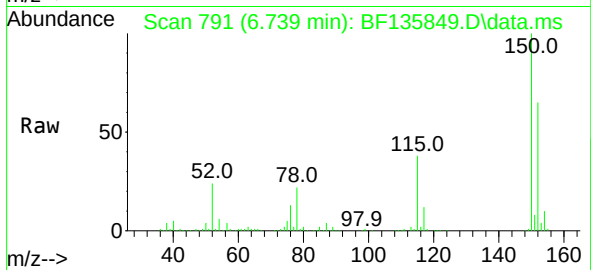




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.739 min Scan# 791
 Delta R.T. -0.007 min
 Lab File: BF135849.D
 Acq: 18 Oct 2023 16:07

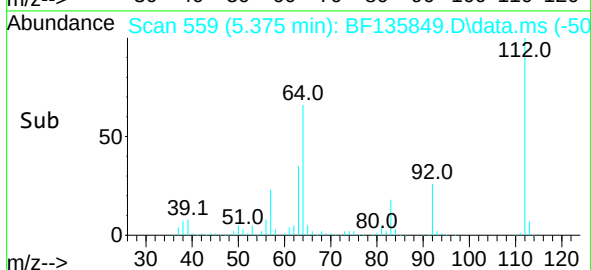
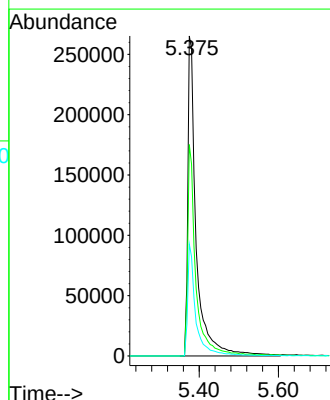
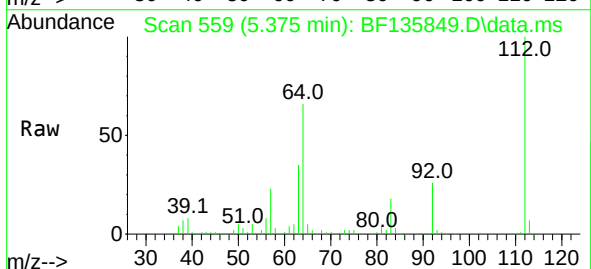
Instrument :
 BNA_F
 ClientSampleId :
 EB-1

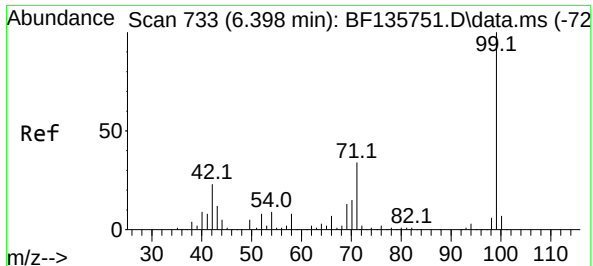
Tgt Ion:152 Resp: 91285
 Ion Ratio Lower Upper
 152 100
 150 153.1 124.5 186.7
 115 58.4 49.0 73.4



#5
 2-Fluorophenol
 Concen: 69.517 ng
 RT: 5.375 min Scan# 559
 Delta R.T. -0.000 min
 Lab File: BF135849.D
 Acq: 18 Oct 2023 16:07

Tgt Ion:112 Resp: 394703
 Ion Ratio Lower Upper
 112 100
 64 66.0 51.2 76.8
 63 34.9 26.1 39.1

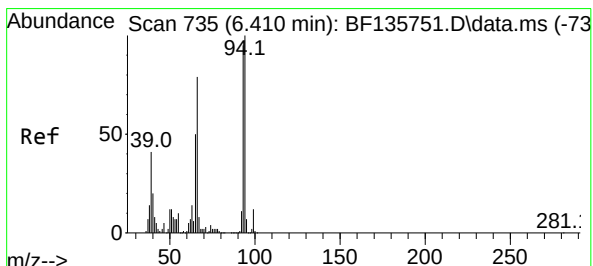
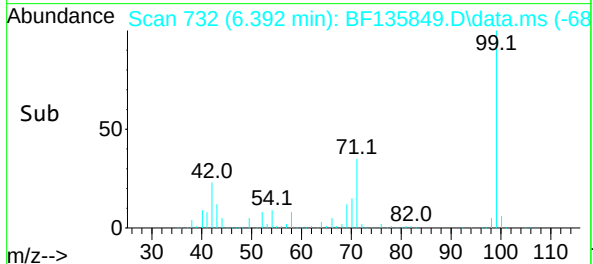
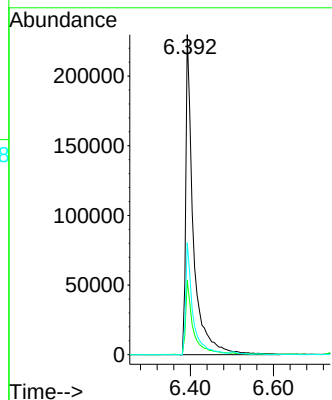
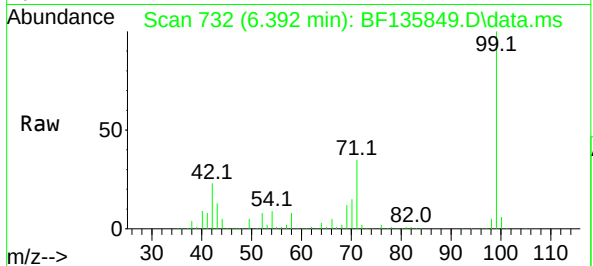




#7
Phenol-d6
Concen: 41.625 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

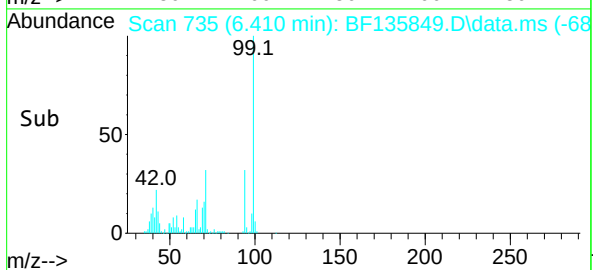
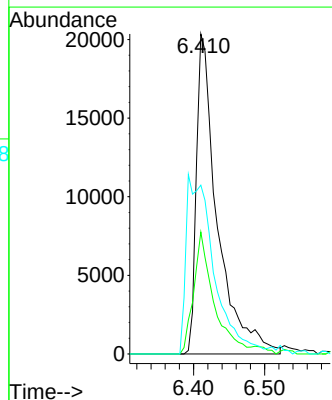
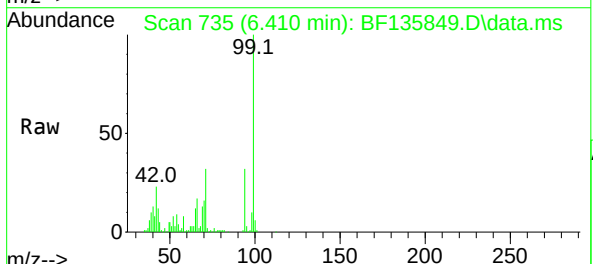
Instrument :
BNA_F
ClientSampleId :
EB-1

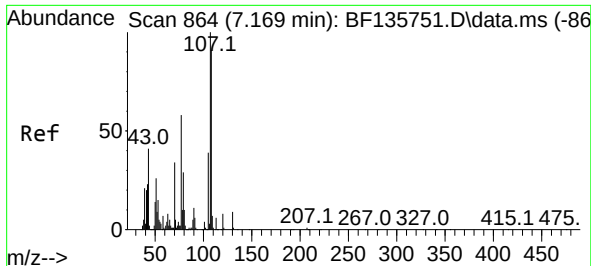
Tgt Ion: 99 Resp: 294884
Ion Ratio Lower Upper
99 100
42 23.2 18.4 27.6
71 35.0 27.2 40.8



#10
Phenol
Concen: 5.632 ng
RT: 6.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion: 94 Resp: 41804
Ion Ratio Lower Upper
94 100
65 38.1 30.3 70.3
66 52.7 59.1 99.1#

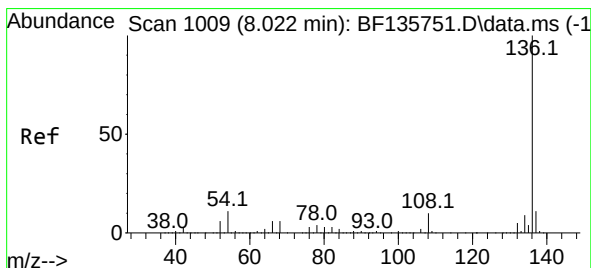
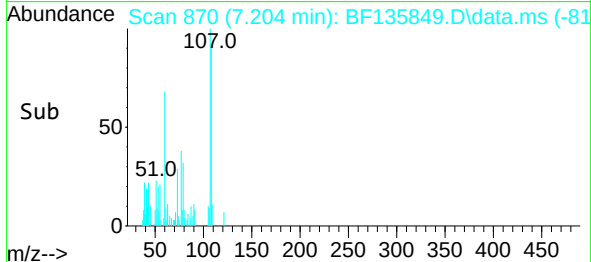
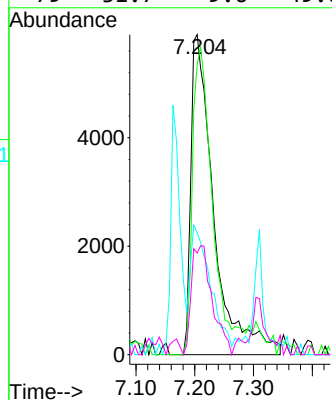
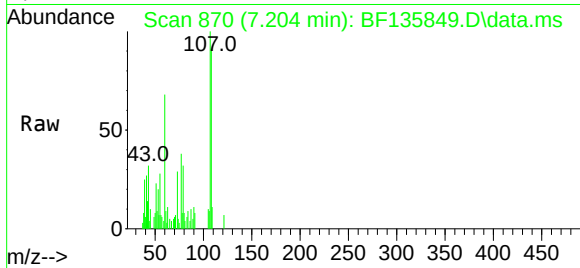




#20
3+4-Methylphenols
Concen: 2.420 ng
RT: 7.204 min Scan# 81
Delta R.T. 0.035 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

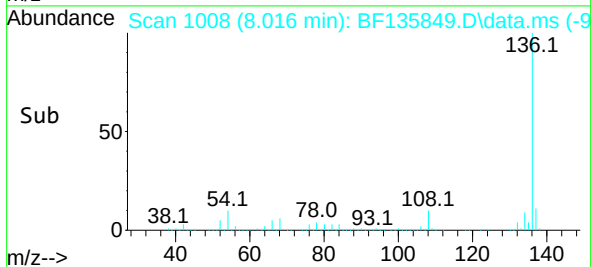
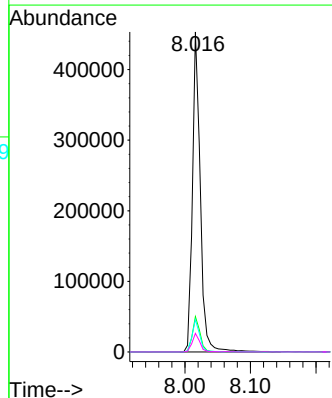
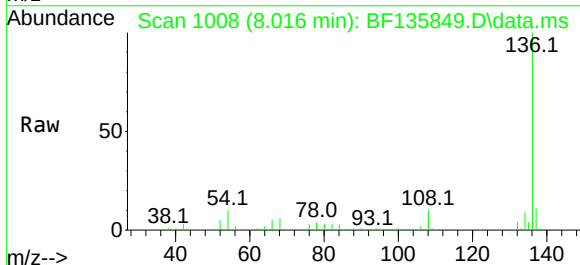
Instrument :
BNA_F
ClientSampleId :
EB-1

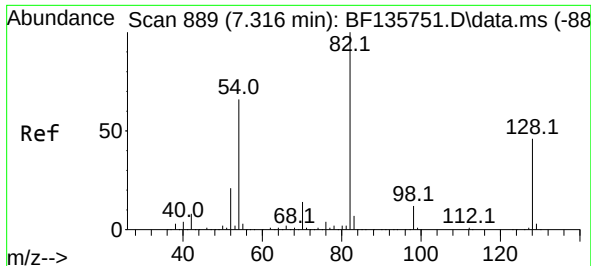
Tgt Ion:107	Resp:	15989
Ion	Ratio	Lower Upper
107	100	
108	90.5	71.1 111.1
77	38.1	42.0 82.0#
79	31.7	9.6 49.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion:136	Resp:	377669
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.6 12.8
54	10.1	8.5 12.7
68	5.8	4.8 7.2





#23

Nitrobenzene-d5

Concen: 84.346 ng

RT: 7.310 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135849.D

Acq: 18 Oct 2023 16:07

Instrument :

BNA_F

ClientSampleId :

EB-1

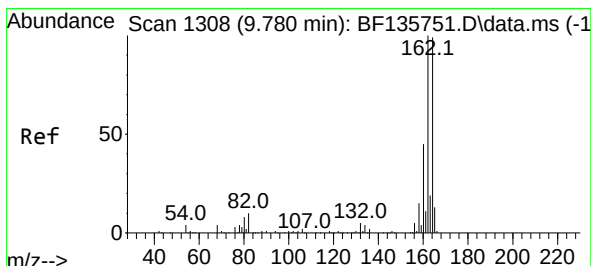
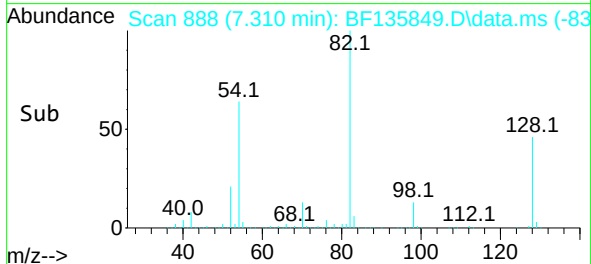
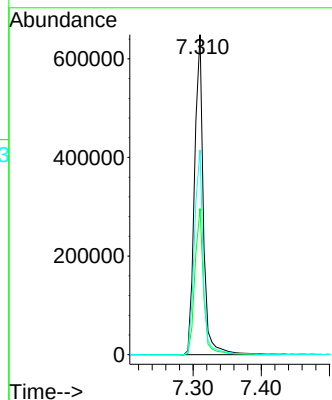
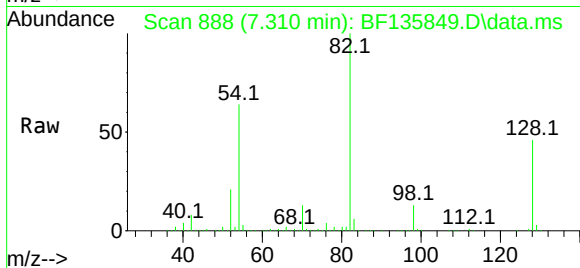
Tgt Ion: 82 Resp: 579186

Ion Ratio Lower Upper

82 100

128 45.7 37.0 55.6

54 64.0 52.8 79.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.012 min

Lab File: BF135849.D

Acq: 18 Oct 2023 16:07

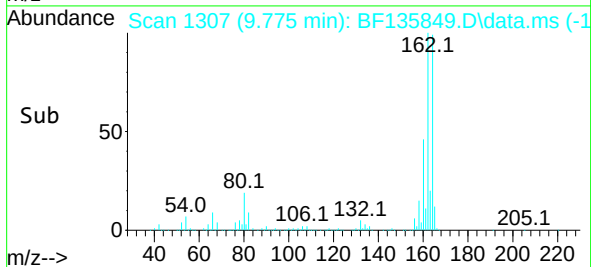
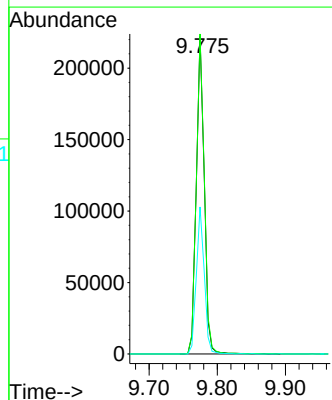
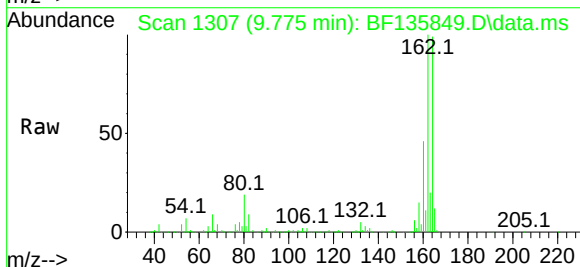
Tgt Ion: 164 Resp: 180203

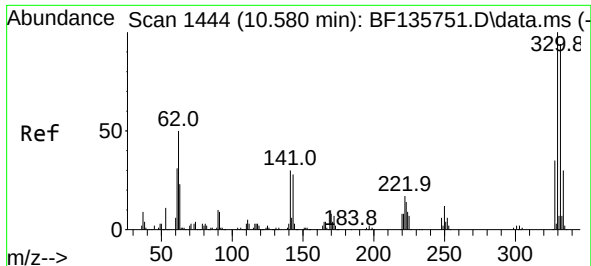
Ion Ratio Lower Upper

164 100

162 100.7 80.8 121.2

160 46.3 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 153.746 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135849.D

Acq: 18 Oct 2023 16:07

Instrument :

BNA_F

ClientSampleId :

EB-1

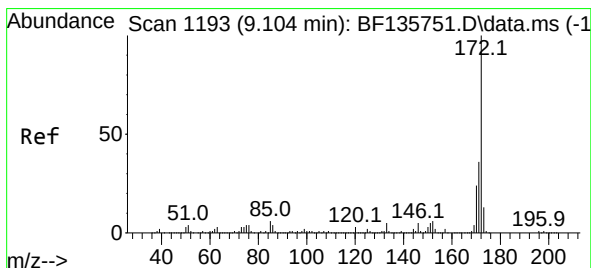
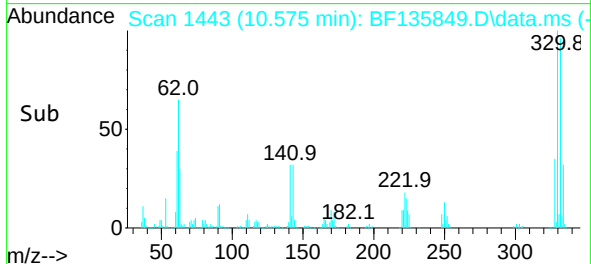
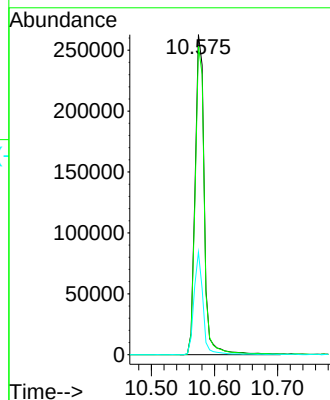
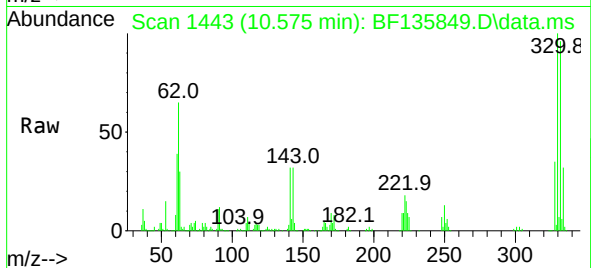
Tgt Ion:330 Resp: 265857

Ion Ratio Lower Upper

330 100

332 96.1 75.0 112.4

141 31.4 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 87.963 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135849.D

Acq: 18 Oct 2023 16:07

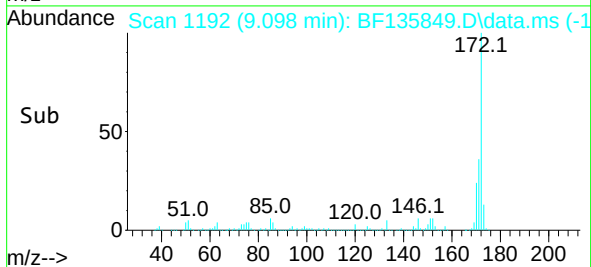
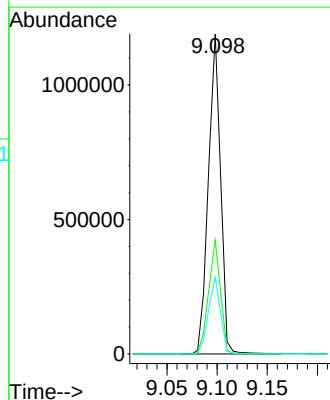
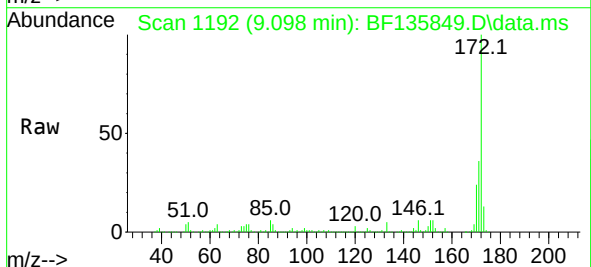
Tgt Ion:172 Resp: 1013817

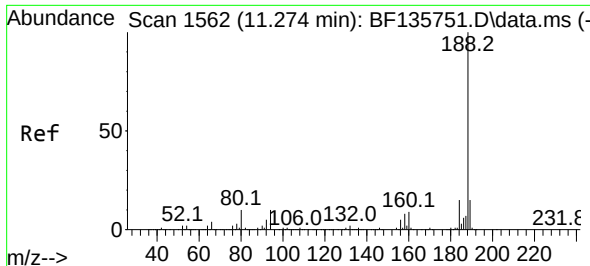
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.9 18.8 28.2

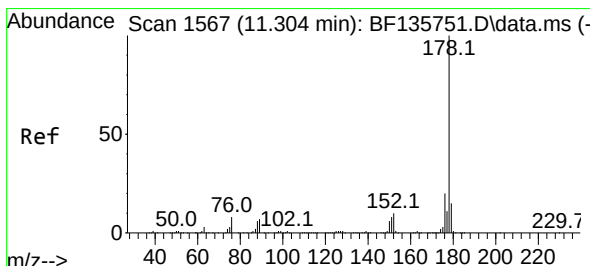
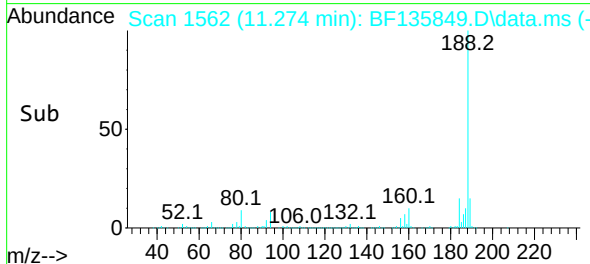
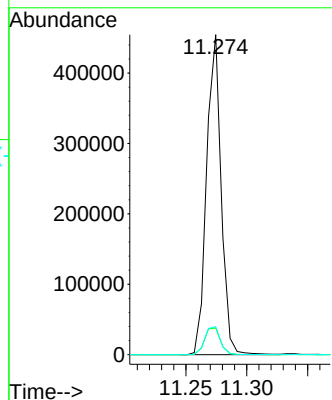
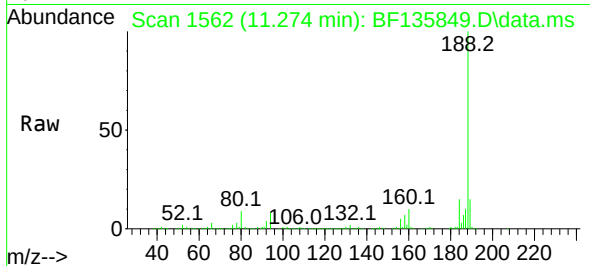




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.274 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

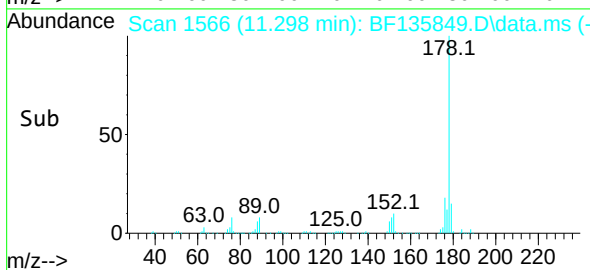
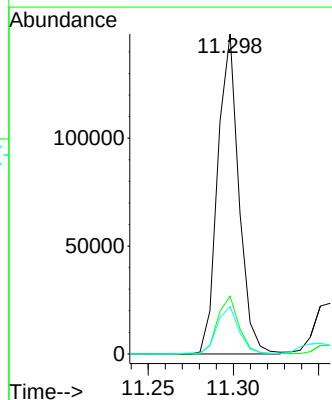
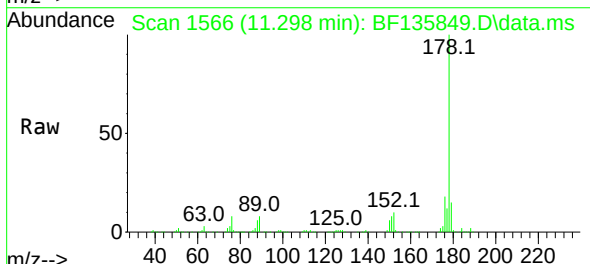
Instrument :
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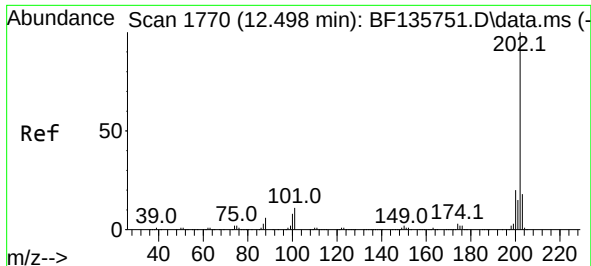
Tgt Ion:188 Resp: 377601
Ion Ratio Lower Upper
188 100
94 8.3 8.0 12.0
80 8.8 8.3 12.5



#71
Phenanthrene
Concen: 7.067 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion:178 Resp: 127833
Ion Ratio Lower Upper
178 100
176 18.0 16.0 24.0
179 14.8 12.2 18.4

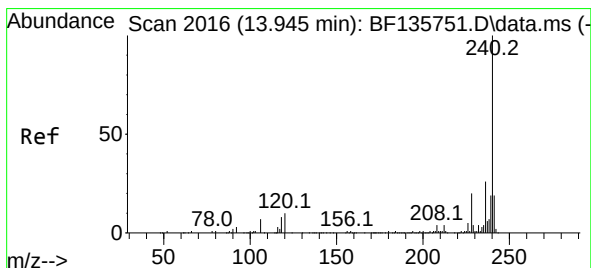
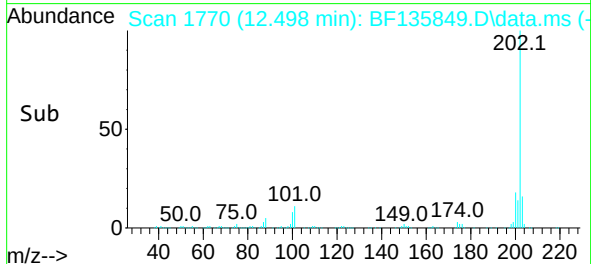
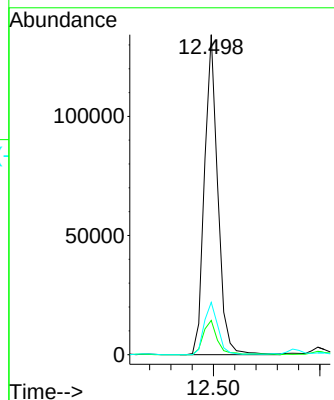
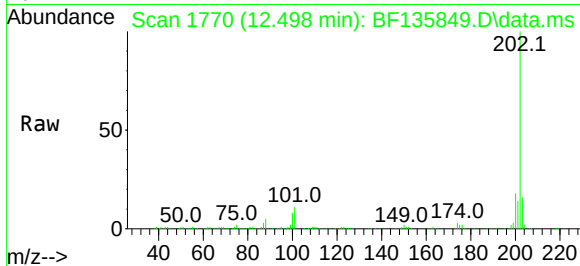




#75
Fluoranthene
Concen: 5.817 ng
RT: 12.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

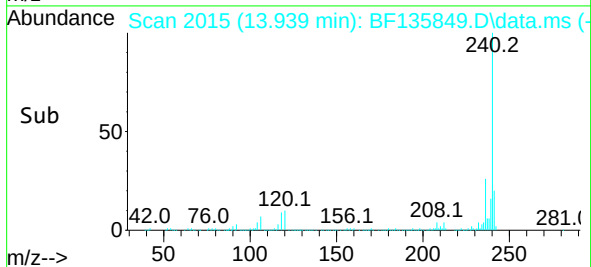
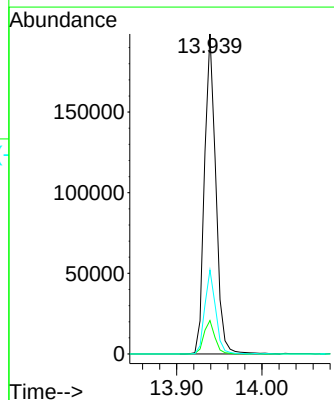
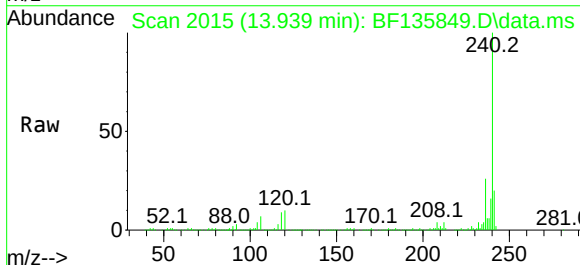
Instrument :
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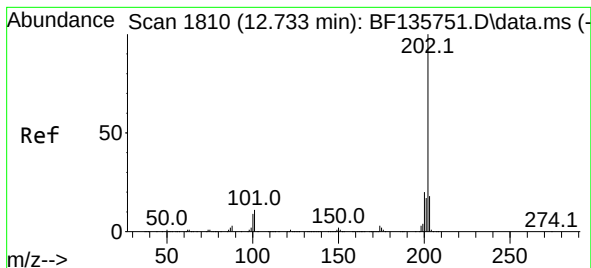
Tgt Ion:202 Resp: 116789
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.5
203 16.3 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion:240 Resp: 182799
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.2
236 26.3 21.2 31.8





#78

Pyrene

Concen: 6.175 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135849.D

Acq: 18 Oct 2023 16:07

Instrument :

BNA_F

ClientSampleId :

EB-1

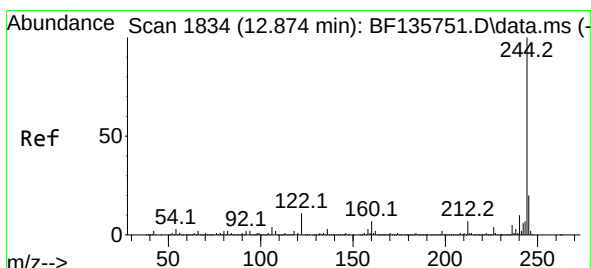
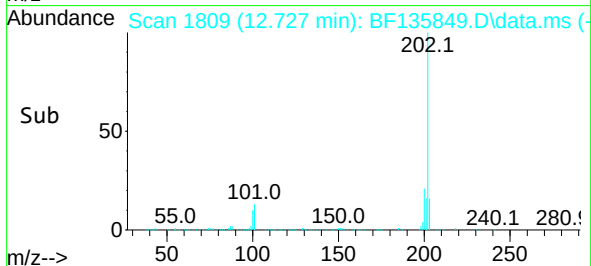
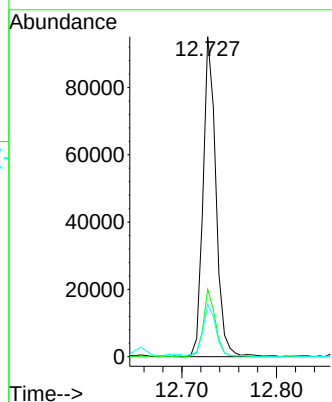
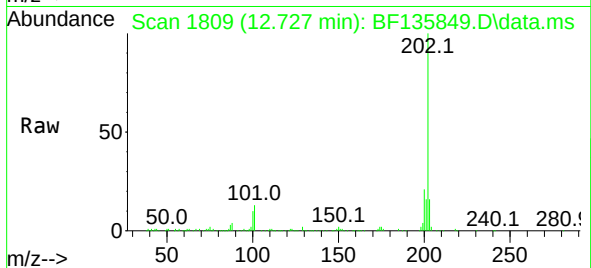
Tgt Ion:202 Resp: 89706

Ion Ratio Lower Upper

202 100

200 21.0 16.1 24.1

203 16.4 14.2 21.2



#79

Terphenyl-d14

Concen: 120.560 ng

RT: 12.874 min Scan# 1834

Delta R.T. -0.006 min

Lab File: BF135849.D

Acq: 18 Oct 2023 16:07

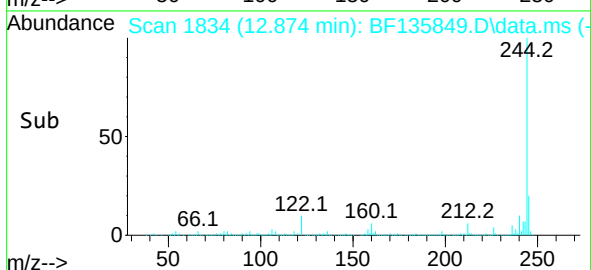
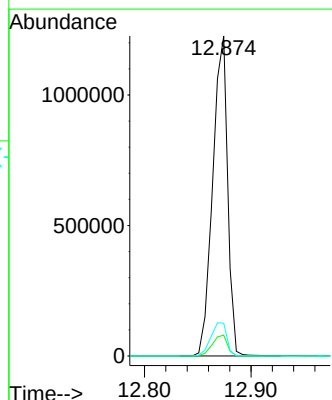
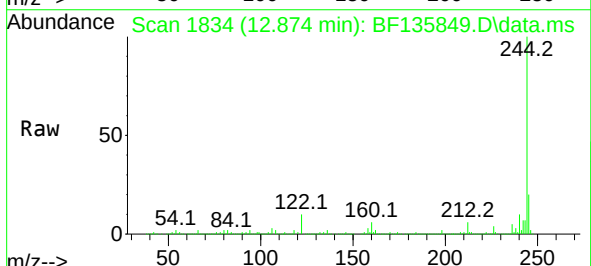
Tgt Ion:244 Resp: 1190031

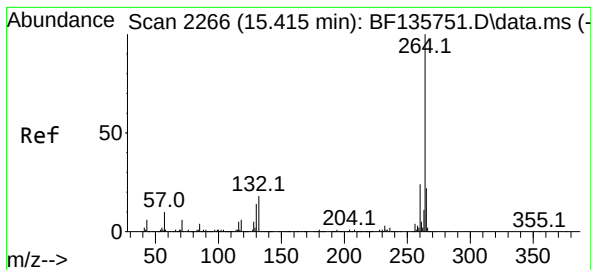
Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

122 10.3 9.0 13.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135849.D

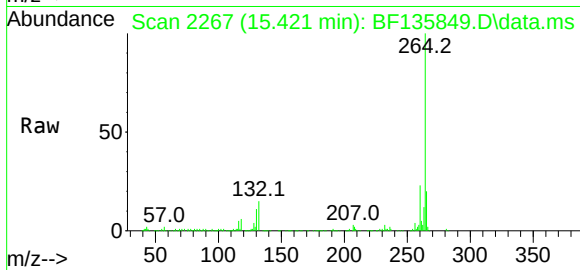
Acq: 18 Oct 2023 16:07

Instrument :

BNA_F

ClientSampleId :

EB-1



Tgt Ion:264 Resp: 168263

Ion Ratio Lower Upper

264 100

260 22.6 19.2 28.8

265 20.4 17.4 26.2

