

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
 Data File : BF135734.D
 Acq On : 12 Oct 2023 14:53
 Operator : CG\JU
 Sample : 04685-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PP-20230928-B6A-7.5-15

Quant Time: Oct 13 00:55:38 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 11 02:43:17 2023
 Response via : Initial Calibration

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

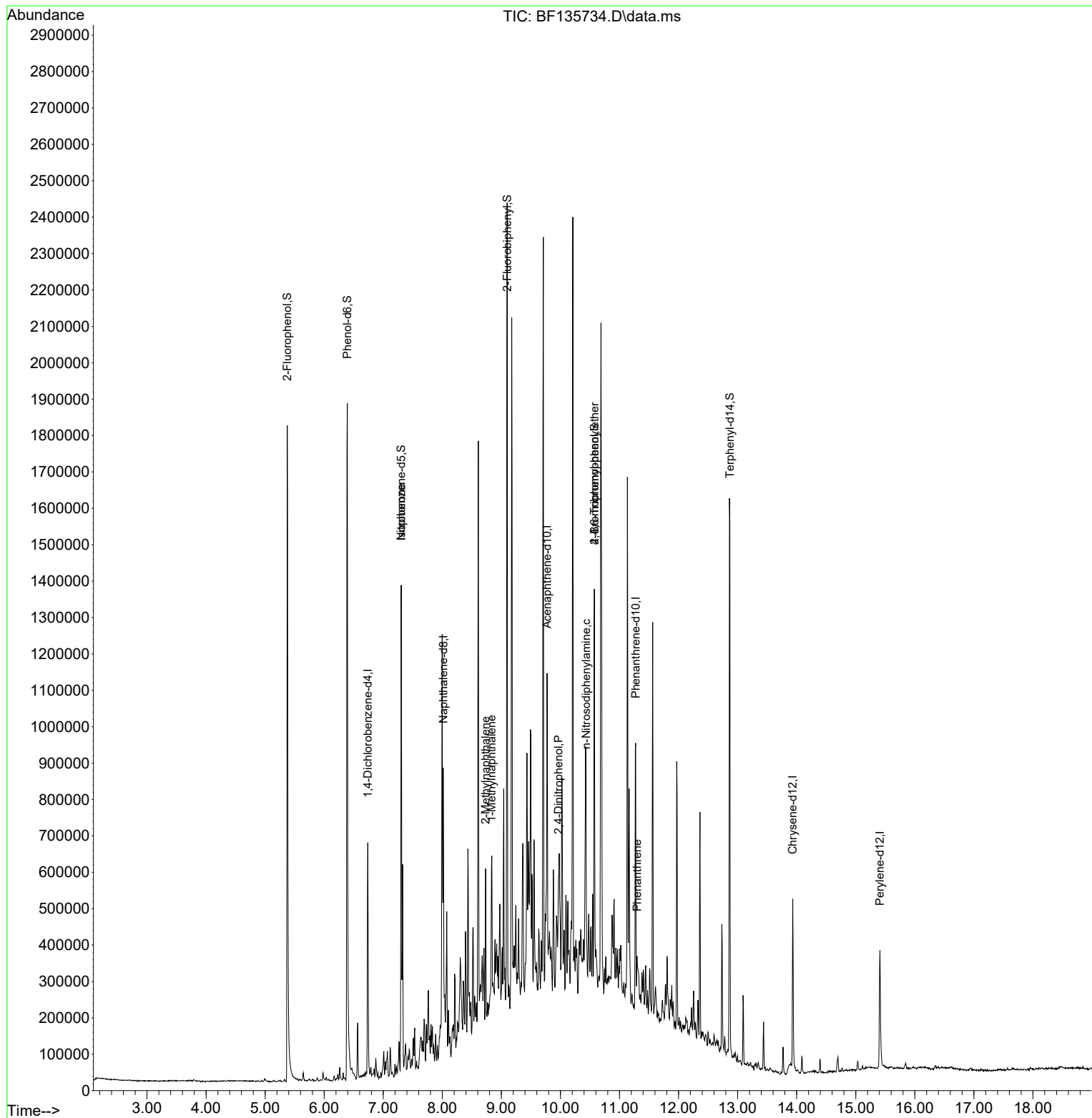
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	94328	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	320043	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	160897	20.000	ng	0.00
64) Phenanthrene-d10	11.275	188	270384	20.000	ng	0.00
76) Chrysene-d12	13.933	240	166068	20.000	ng	0.00
86) Perylene-d12	15.410	264	166334	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	536624	92.527	ng	0.00
7) Phenol-d6	6.393	99	694887	94.227	ng	0.00
23) Nitrobenzene-d5	7.304	82	383362	65.078	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	132340	82.768	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	654344	61.357	ng	0.00
79) Terphenyl-d14	12.869	244	561767	52.439	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.304	82	383362	35.441	ng	# 65
37) 2-Methylnaphthalene	8.734	142	106350	10.174	ng	100
38) 1-Methylnaphthalene	8.834	142	65274	6.670	ng	99
54) 2,4-Dinitrophenol	9.969	184	91	6.310	ng	# 1
66) n-Nitrosodiphenylamine	10.433	169	25745	3.145	ng	# 47
67) 4-Bromophenyl-phenylether	10.575	248	8087	3.007	ng	# 1
71) Phenanthrene	11.298	178	47397	3.706	ng	# 95

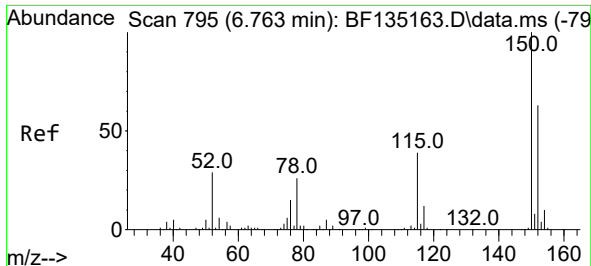
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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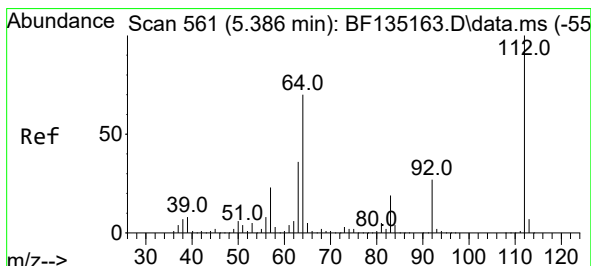
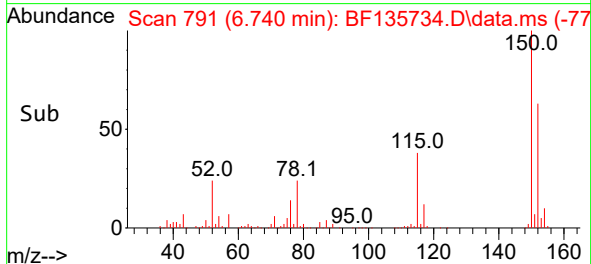
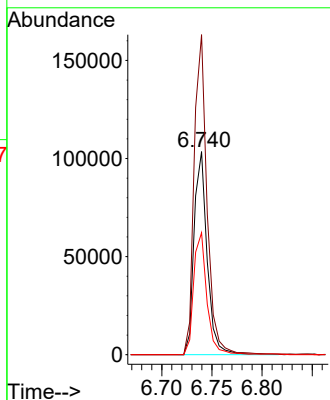
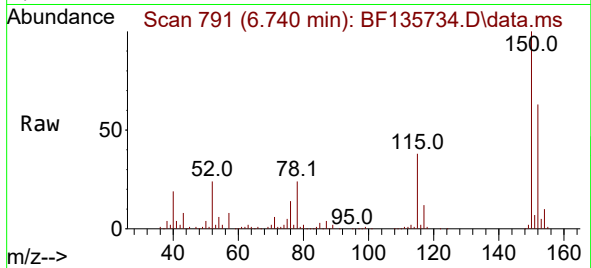




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135734.D
Acq: 12 Oct 2023 14:53

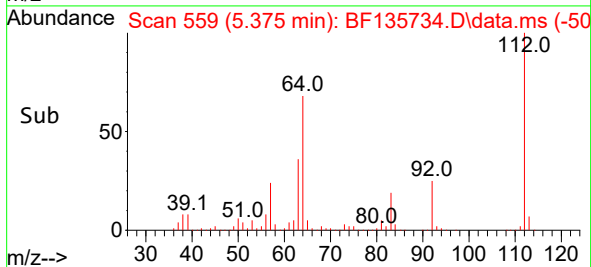
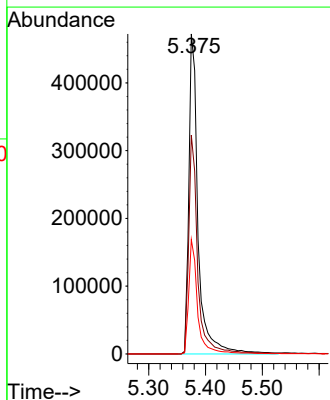
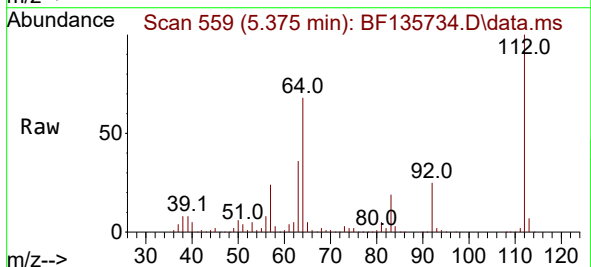
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B6A-7.5-15

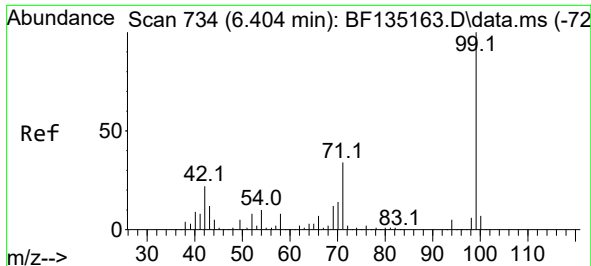
Tgt Ion:152 Resp: 94328
Ion Ratio Lower Upper
152 100
150 157.6 127.8 191.6
115 60.1 49.8 74.8



#5
2-Fluorophenol
Concen: 92.527 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135734.D
Acq: 12 Oct 2023 14:53

Tgt Ion:112 Resp: 536624
Ion Ratio Lower Upper
112 100
64 68.4 55.9 83.9
63 35.7 29.0 43.6

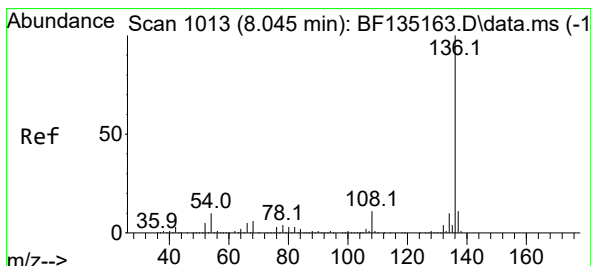
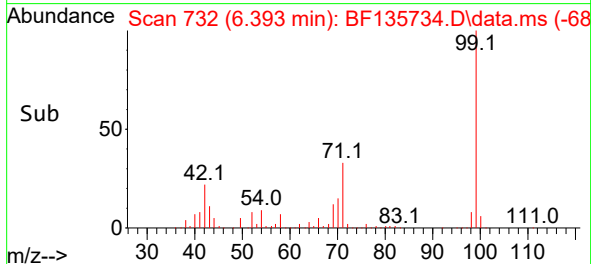
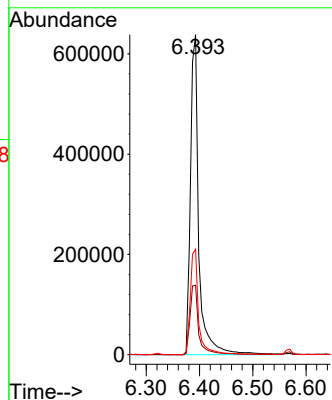
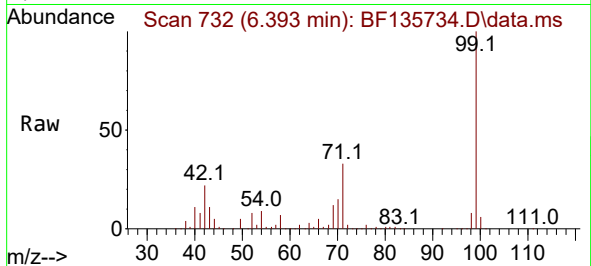




#7
Phenol-d6
Concen: 94.227 ng
RT: 6.393 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135734.D
Acq: 12 Oct 2023 14:53

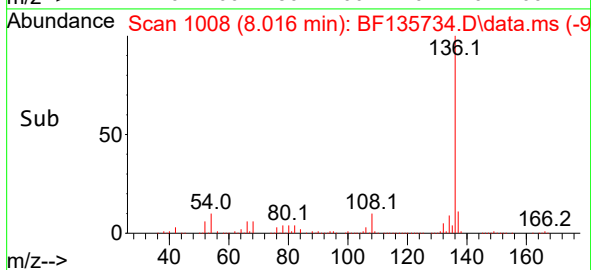
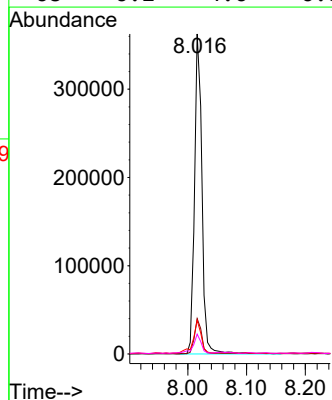
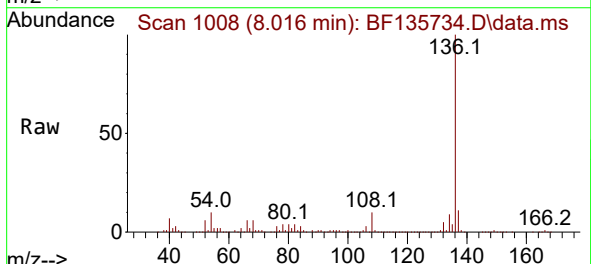
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B6A-7.5-15

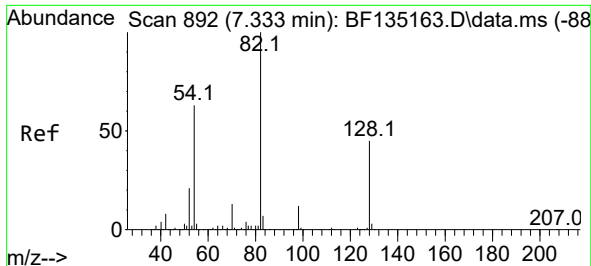
Tgt Ion: 99 Resp: 694887
Ion Ratio Lower Upper
99 100
42 21.7 17.9 26.9
71 33.0 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135734.D
Acq: 12 Oct 2023 14:53

Tgt Ion:136 Resp: 320043
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.5 7.7 11.5
68 6.2 4.6 6.8





#23

Nitrobenzene-d5

Concen: 65.078 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.006 min

Lab File: BF135734.D

Acq: 12 Oct 2023 14:53

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B6A-7.5-15

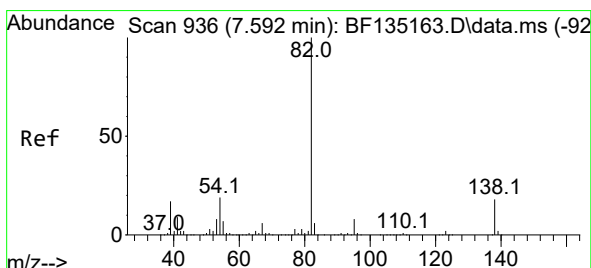
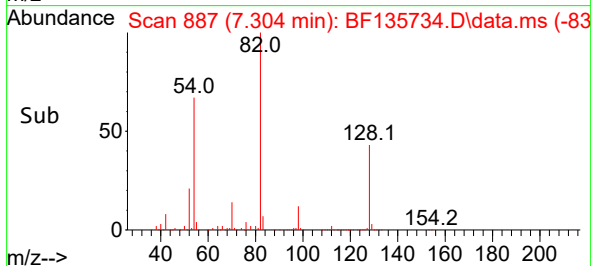
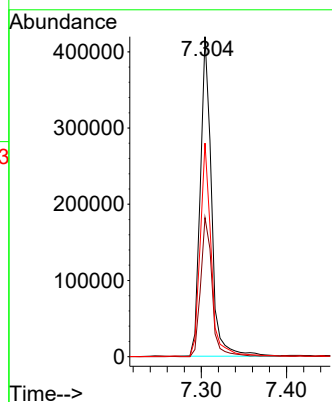
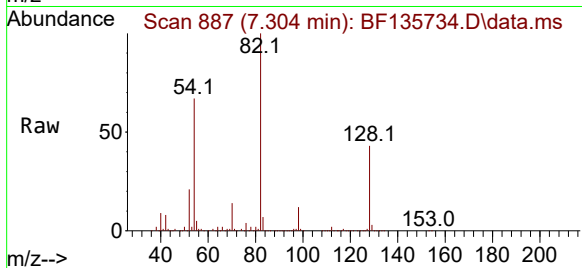
Tgt Ion: 82 Resp: 383362

Ion Ratio Lower Upper

82 100

128 43.5 35.8 53.6

54 66.7 50.6 76.0



#25

Isophorone

Concen: 35.441 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.259 min

Lab File: BF135734.D

Acq: 12 Oct 2023 14:53

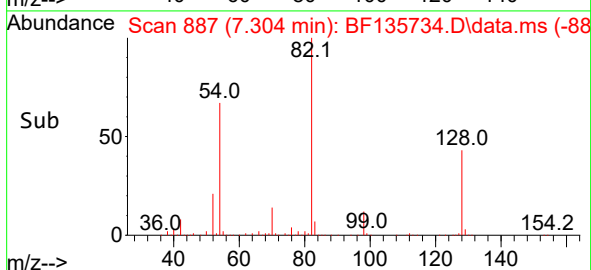
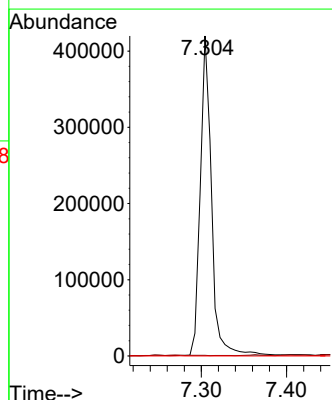
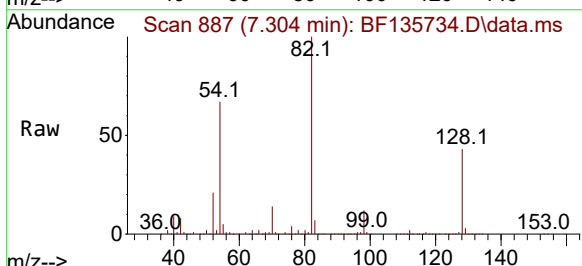
Tgt Ion: 82 Resp: 383362

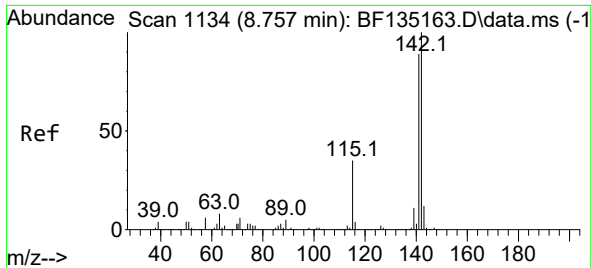
Ion Ratio Lower Upper

82 100

95 0.2 6.0 9.0#

138 0.0 14.5 21.7#

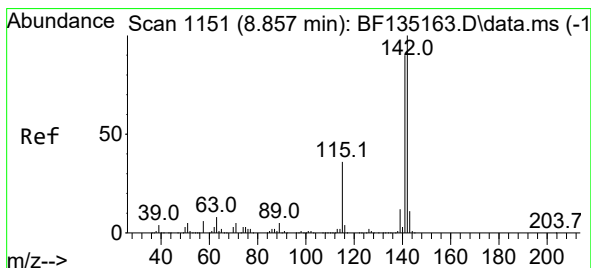
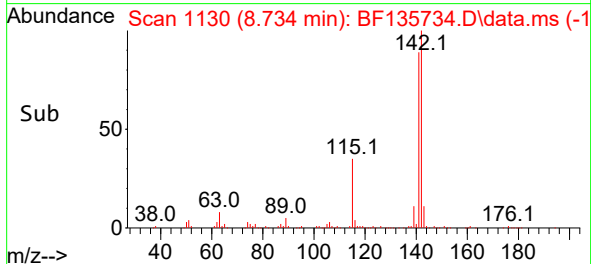
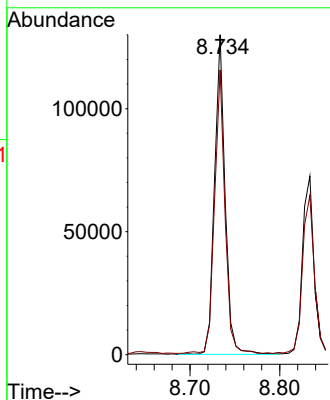
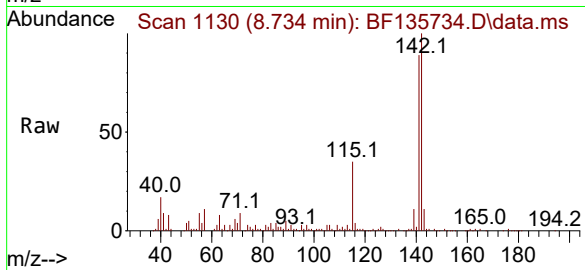




#37
2-Methylnaphthalene
Concen: 10.174 ng
RT: 8.734 min Scan# 1134
Delta R.T. 0.000 min
Lab File: BF135734.D
Acq: 12 Oct 2023 14:53

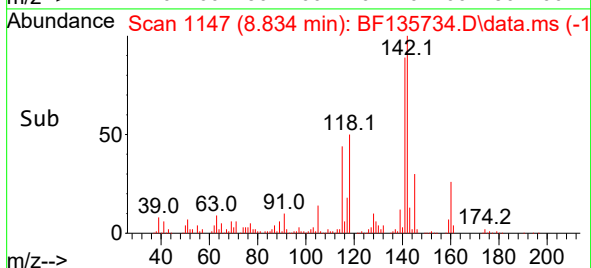
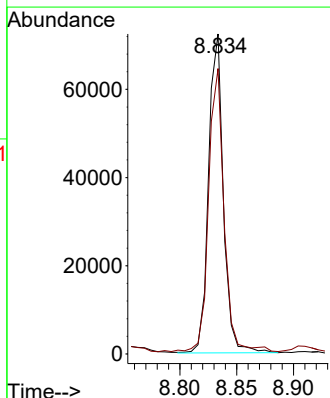
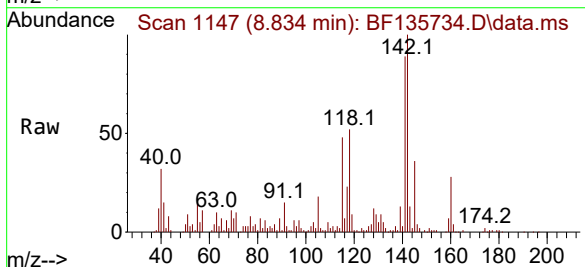
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B6A-7.5-15

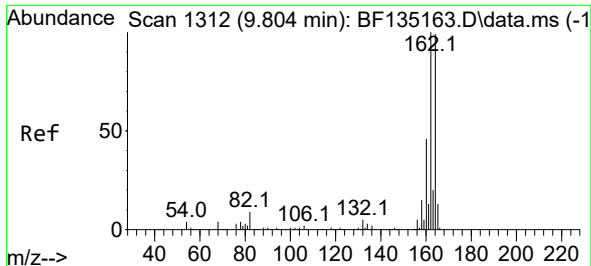
Tgt Ion:142 Resp: 106350
Ion Ratio Lower Upper
142 100
141 89.0 71.0 106.6



#38
1-Methylnaphthalene
Concen: 6.670 ng
RT: 8.834 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BF135734.D
Acq: 12 Oct 2023 14:53

Tgt Ion:142 Resp: 65274
Ion Ratio Lower Upper
142 100
141 89.2 72.4 108.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135734.D

Acq: 12 Oct 2023 14:53

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B6A-7.5-15

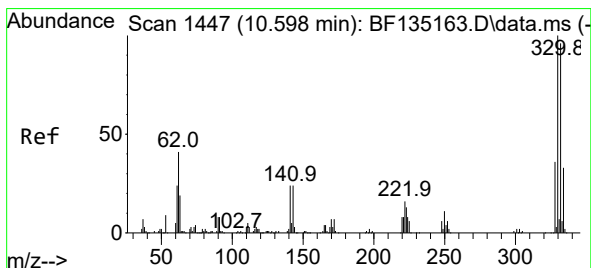
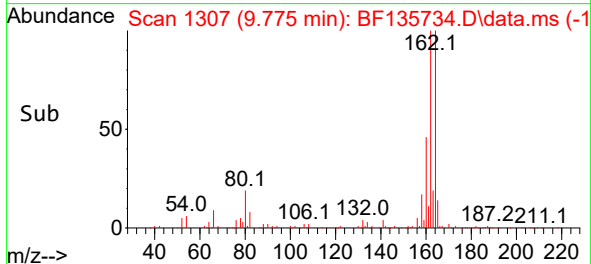
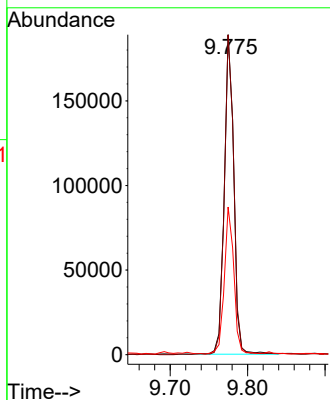
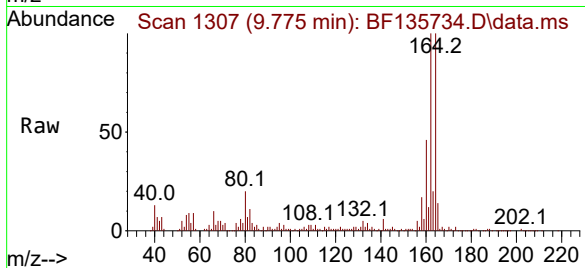
Tgt Ion:164 Resp: 160897

Ion Ratio Lower Upper

164 100

162 100.0 81.0 121.4

160 46.2 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 82.768 ng

RT: 10.575 min Scan# 1443

Delta R.T. 0.000 min

Lab File: BF135734.D

Acq: 12 Oct 2023 14:53

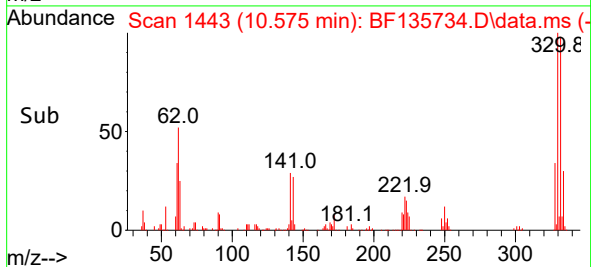
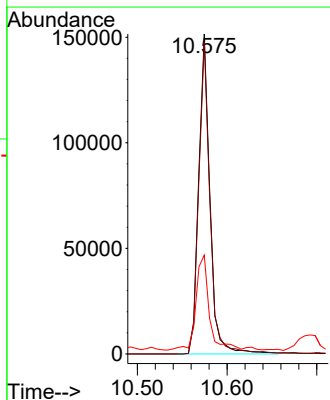
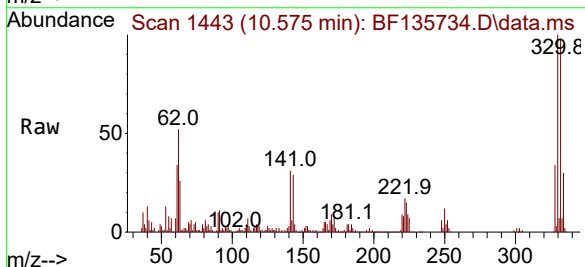
Tgt Ion:330 Resp: 132340

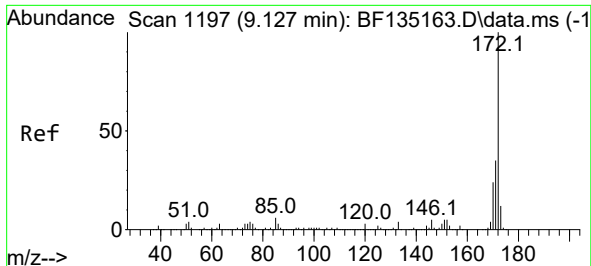
Ion Ratio Lower Upper

330 100

332 97.6 77.3 115.9

141 34.4 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 61.357 ng

RT: 9.098 min Scan# 1197

Delta R.T. 0.000 min

Lab File: BF135734.D

Acq: 12 Oct 2023 14:53

Instrument :

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ClientSampleId :

PP-20230928-B6A-7.5-15

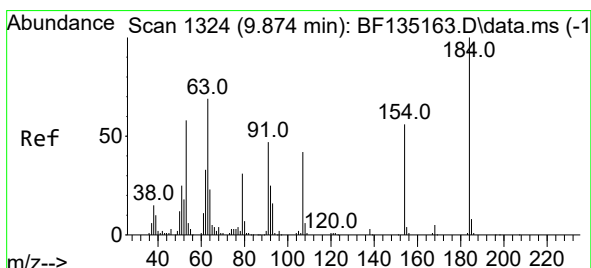
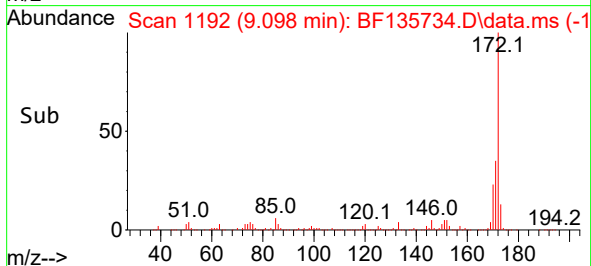
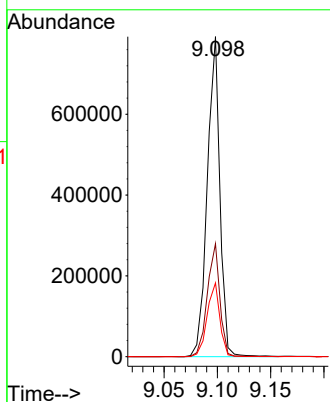
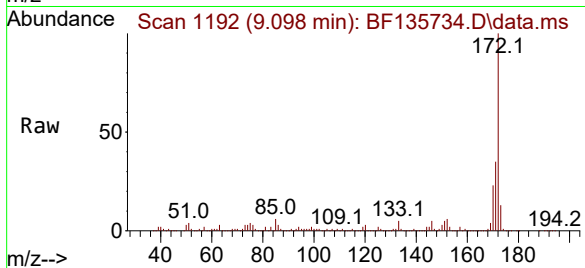
Tgt Ion:172 Resp: 654344

Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 23.1 19.0 28.4



#54

2,4-Dinitrophenol

Concen: 6.310 ng

RT: 9.969 min Scan# 1340

Delta R.T. 0.094 min

Lab File: BF135734.D

Acq: 12 Oct 2023 14:53

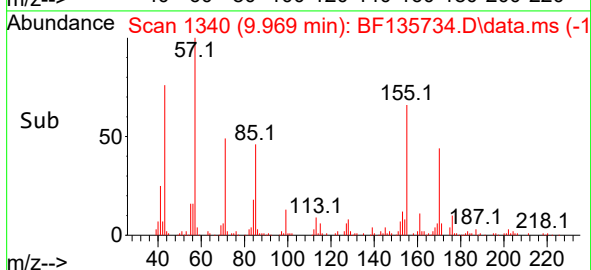
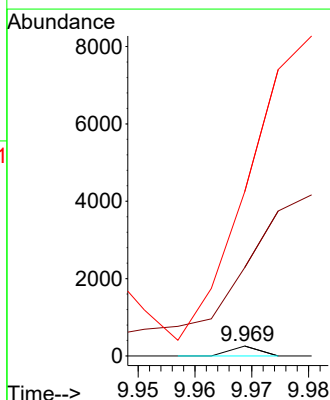
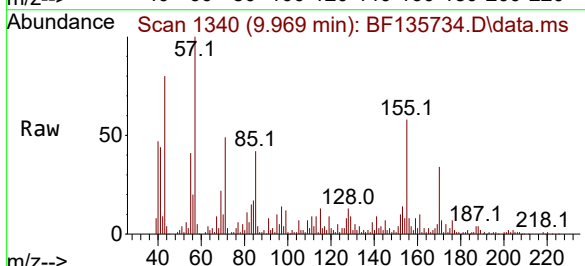
Tgt Ion:184 Resp: 91

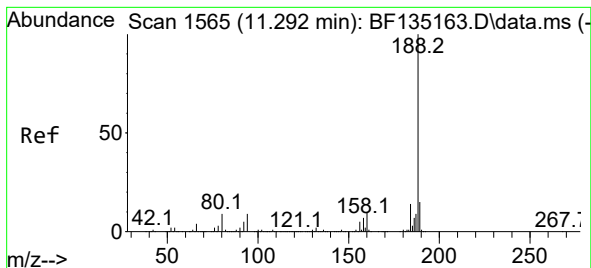
Ion Ratio Lower Upper

184 100

63 886.0 55.1 82.7#

154 1647.3 48.4 72.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.275 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135734.D

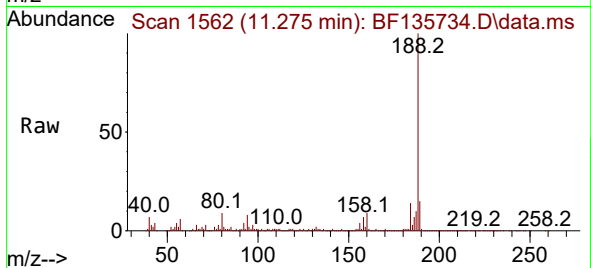
Acq: 12 Oct 2023 14:53

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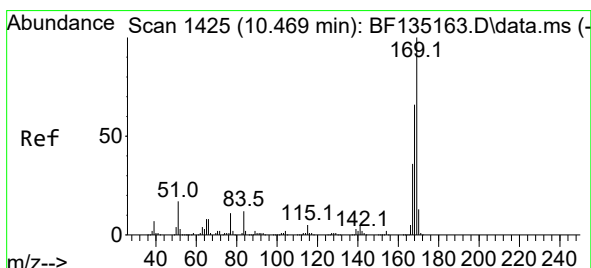
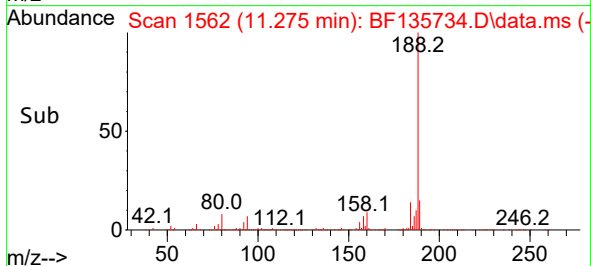
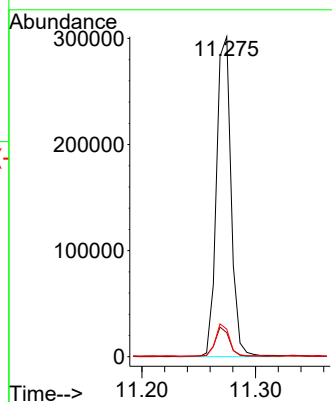
Tgt Ion:188 Resp: 270384

Ion Ratio Lower Upper

188 100

94 7.5 7.0 10.6

80 8.6 7.5 11.3



#66

n-Nitrosodiphenylamine

Concen: 3.145 ng

RT: 10.433 min Scan# 1419

Delta R.T. -0.012 min

Lab File: BF135734.D

Acq: 12 Oct 2023 14:53

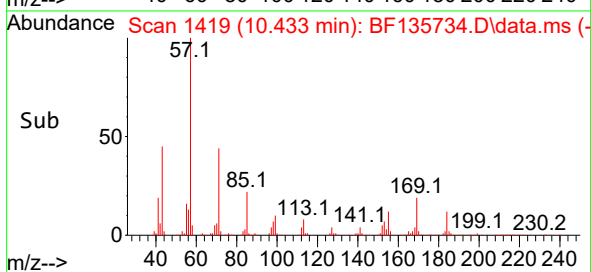
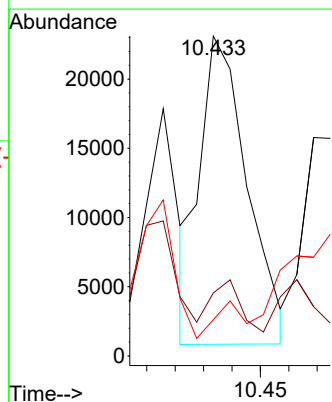
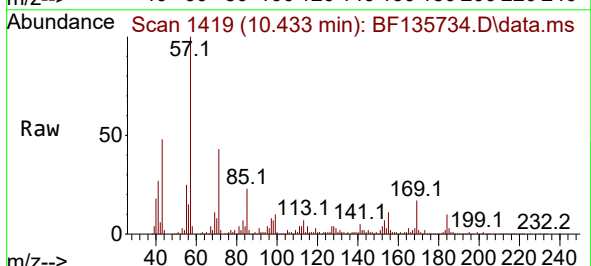
Tgt Ion:169 Resp: 25745

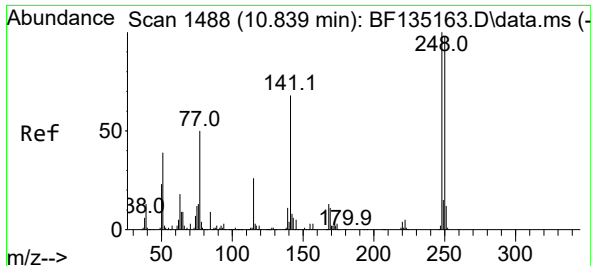
Ion Ratio Lower Upper

169 100

168 19.7 52.8 79.2#

167 11.3 29.0 43.6#

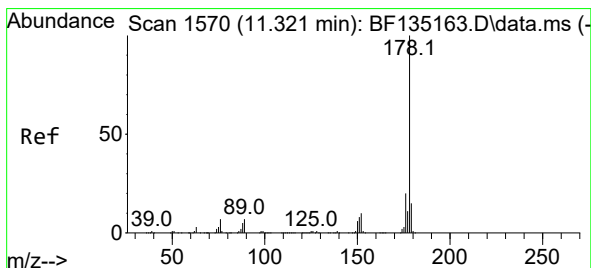
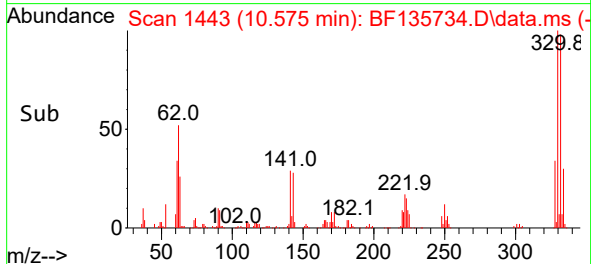
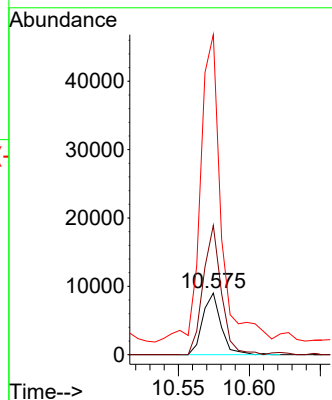
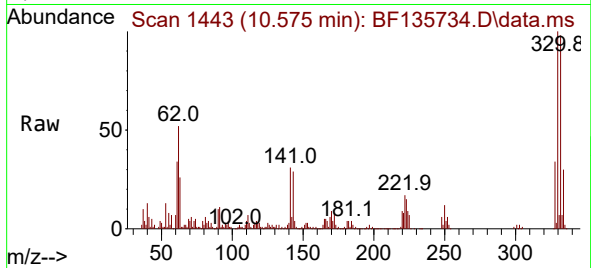




#67
4-Bromophenyl-phenylether
Concen: 3.007 ng
RT: 10.575 min Scan# 1488
Delta R.T. -0.241 min
Lab File: BF135734.D
Acq: 12 Oct 2023 14:53

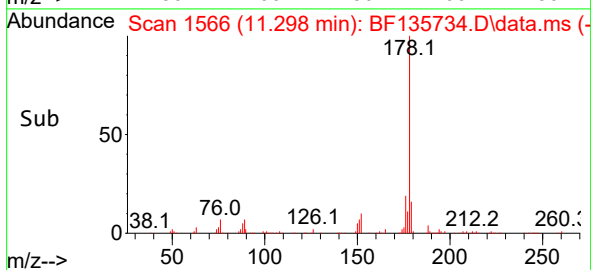
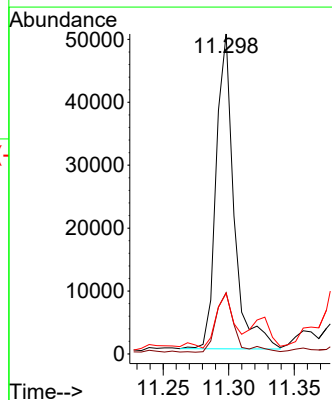
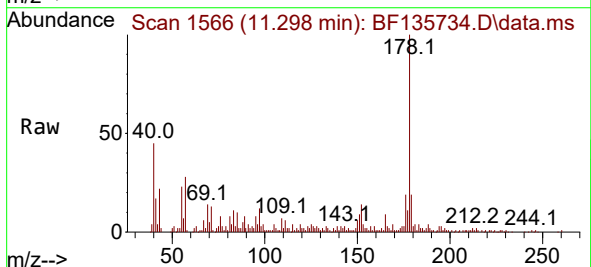
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B6A-7.5-15

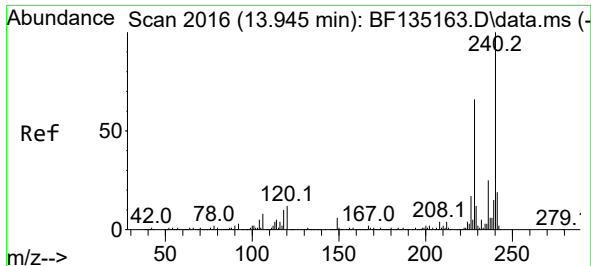
Tgt Ion:248 Resp: 8087
Ion Ratio Lower Upper
248 100
250 209.7 78.6 117.8#
141 519.1 54.2 81.2#



#71
Phenanthrene
Concen: 3.706 ng
RT: 11.298 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BF135734.D
Acq: 12 Oct 2023 14:53

Tgt Ion:178 Resp: 47397
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 19.0 12.0 18.0#

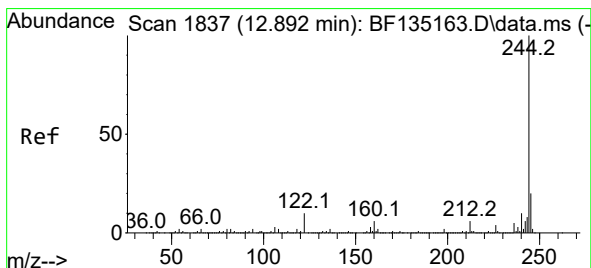
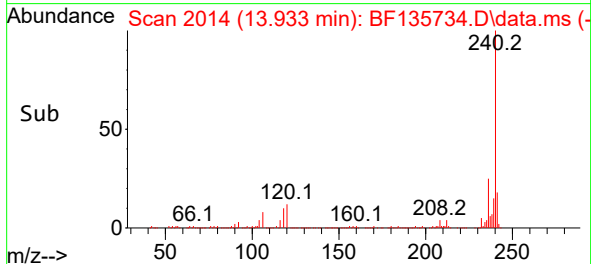
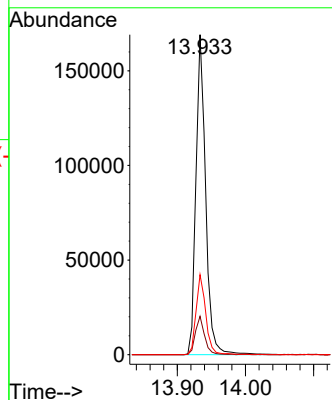
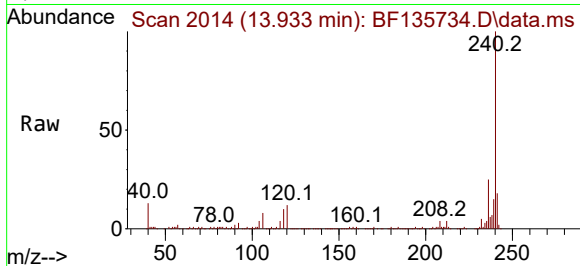




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF135734.D
Acq: 12 Oct 2023 14:53

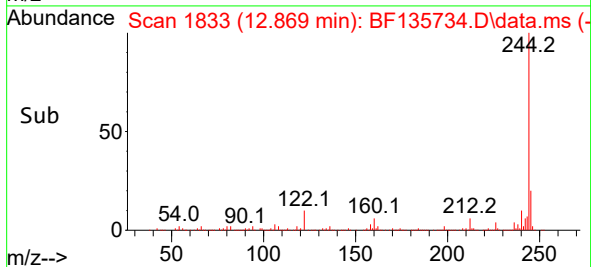
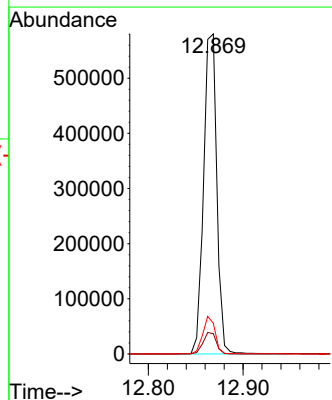
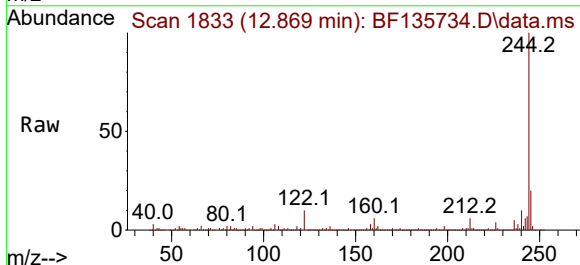
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B6A-7.5-15

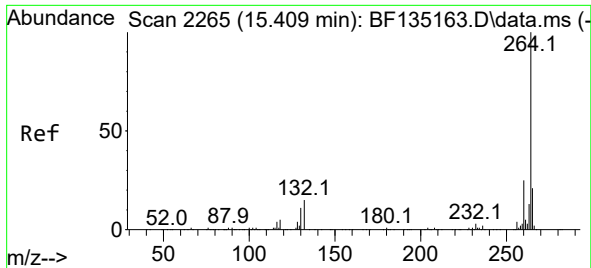
Tgt Ion:240 Resp: 166068
Ion Ratio Lower Upper
240 100
120 12.0 9.4 14.2
236 25.0 19.8 29.8



#79
Terphenyl-d14
Concen: 52.439 ng
RT: 12.869 min Scan# 1833
Delta R.T. 0.000 min
Lab File: BF135734.D
Acq: 12 Oct 2023 14:53

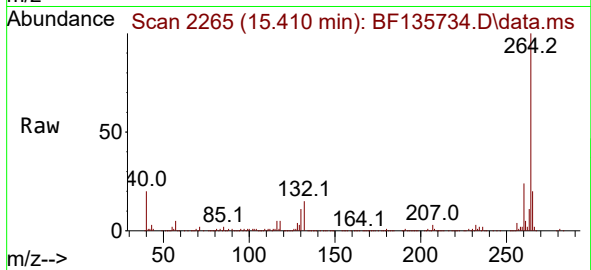
Tgt Ion:244 Resp: 561767
Ion Ratio Lower Upper
244 100
212 6.3 5.1 7.7
122 9.6 7.9 11.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.410 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF135734.D
 Acq: 12 Oct 2023 14:53

Instrument :
 BNA_F
 ClientSampleId :
 PP-20230928-B6A-7.5-15



Tgt Ion:264 Resp: 166334
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.8 29.6
 265 20.1 17.0 25.4

