

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
 Data File : BF134935.D
 Acq On : 24 Aug 2023 20:59
 Operator : CG\JU
 Sample : 04116-07 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Aug 25 01:23:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

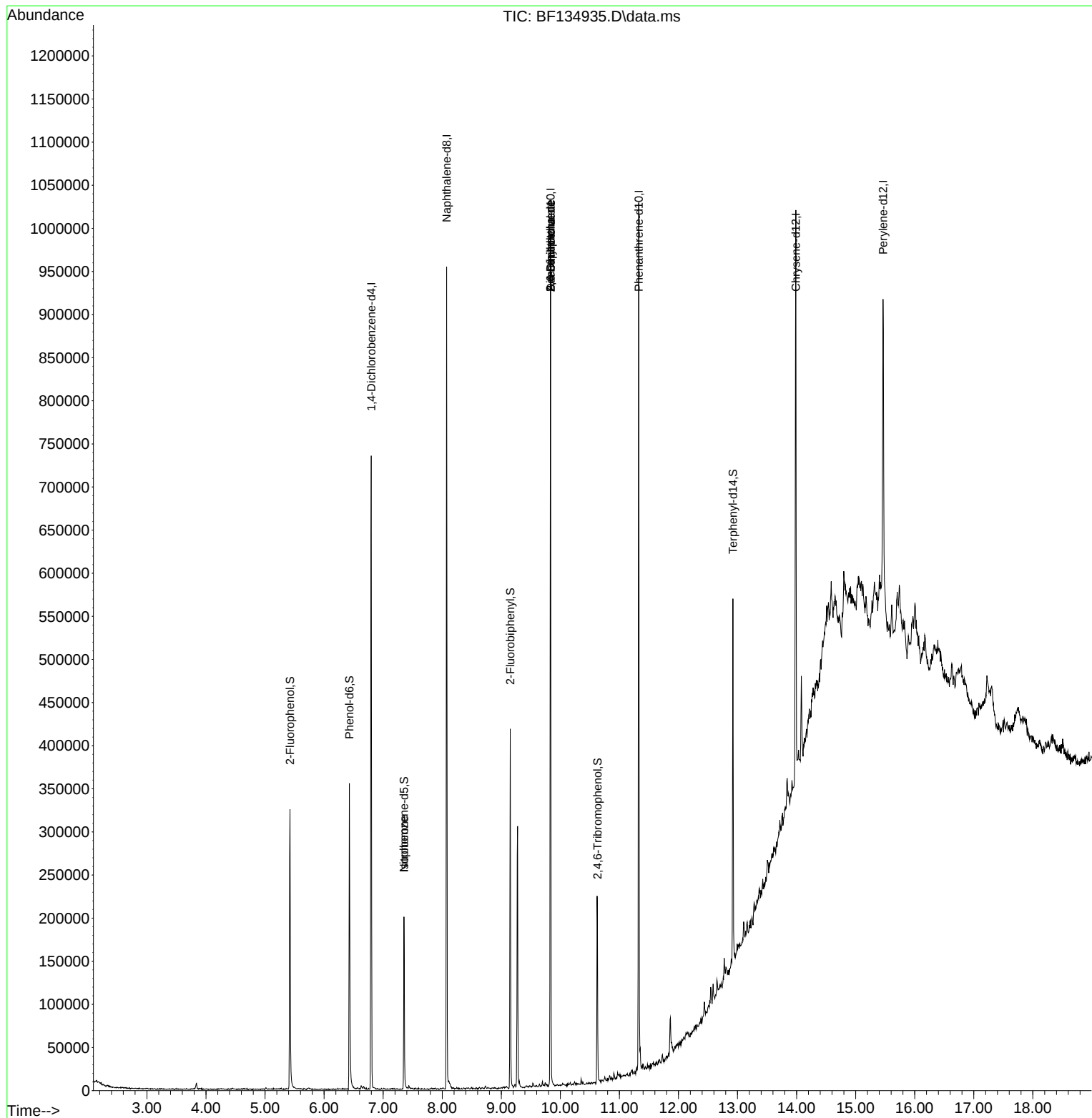
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	105430	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	373216	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	178838	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	339562	20.000	ng	0.00
76) Chrysene-d12	13.986	240	216171	20.000	ng	0.00
86) Perylene-d12	15.463	264	172187	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	93412	14.129	ng	0.00
7) Phenol-d6	6.428	99	112512	13.318	ng	-0.01
23) Nitrobenzene-d5	7.351	82	60258	8.897	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	25429	12.073	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	115220	9.960	ng	0.00
79) Terphenyl-d14	12.922	244	125971	8.015	ng	0.00
Target Compounds						
					Qvalue	
25) Isophorone	7.351	82	60258	4.765	ng	# 64
50) Dimethylphthalate	9.834	163	35851	2.816	ng	# 1
51) 2,6-Dinitrotoluene	9.834	165	23130	8.238	ng	# 28
57) 2,4-Dinitrotoluene	9.834	165	23130	6.661	ng	# 25

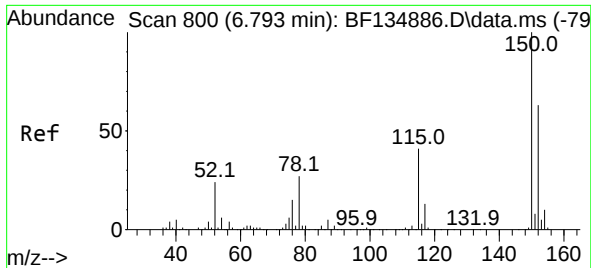
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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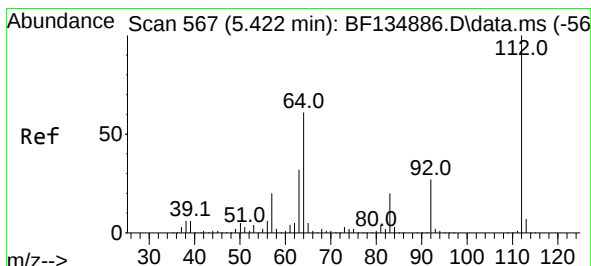
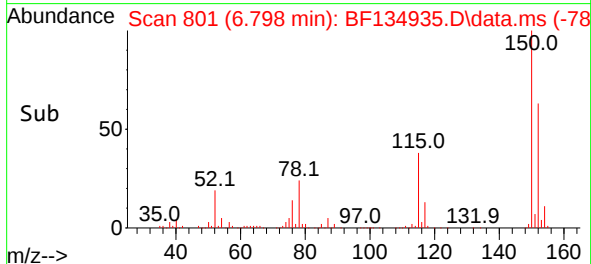
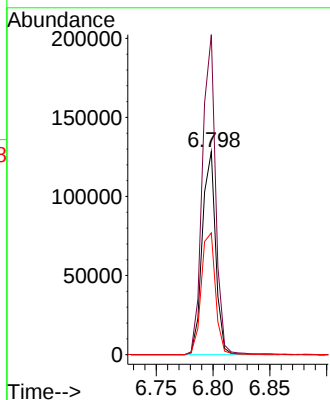
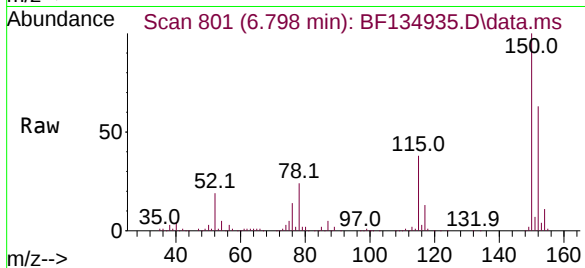




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. 0.005 min
 Lab File: BF134935.D
 Acq: 24 Aug 2023 20:59

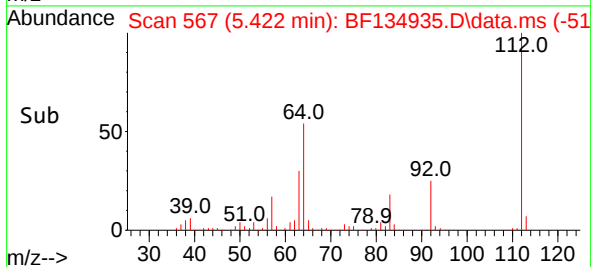
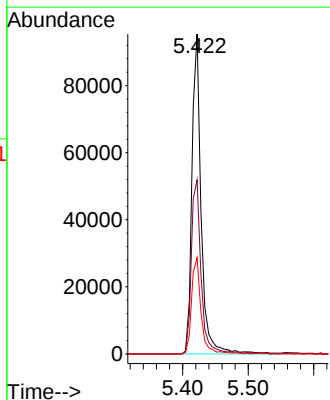
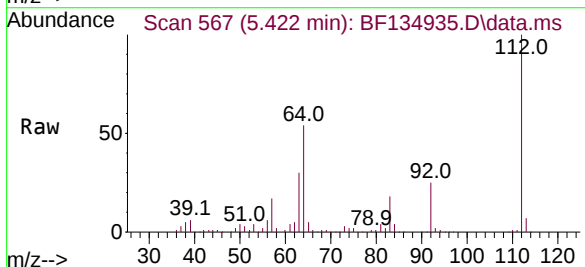
Instrument :
 BNA_F
 ClientSampleId :
 TP-4

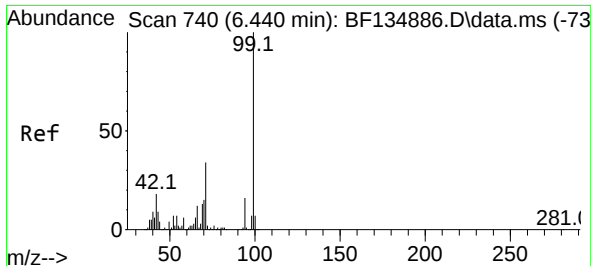
Tgt Ion:152 Resp: 105430
 Ion Ratio Lower Upper
 152 100
 150 157.6 126.1 189.1
 115 60.0 51.1 76.7



#5
 2-Fluorophenol
 Concen: 14.129 ng
 RT: 5.422 min Scan# 567
 Delta R.T. 0.000 min
 Lab File: BF134935.D
 Acq: 24 Aug 2023 20:59

Tgt Ion:112 Resp: 93412
 Ion Ratio Lower Upper
 112 100
 64 54.4 48.6 73.0
 63 30.1 25.7 38.5

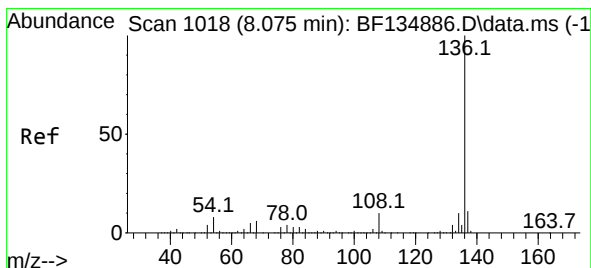
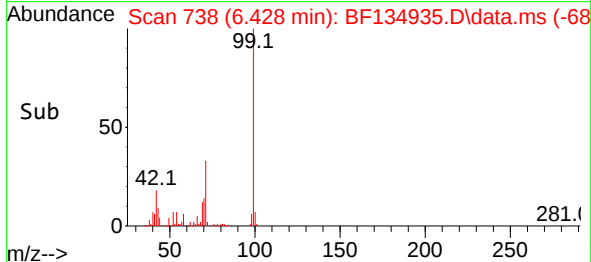
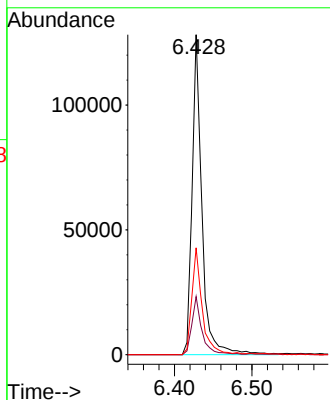
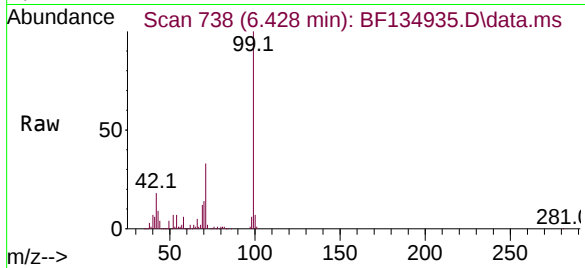




#7
Phenol-d6
Concen: 13.318 ng
RT: 6.428 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF134935.D
Acq: 24 Aug 2023 20:59

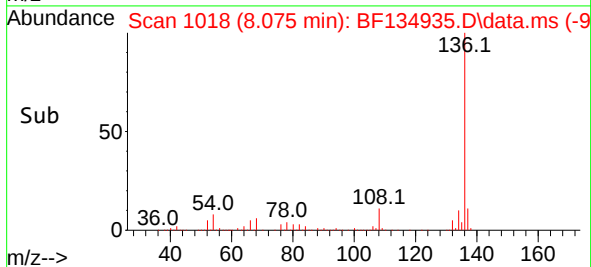
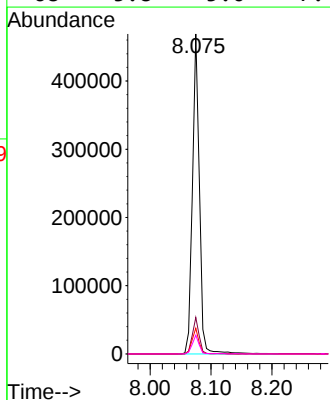
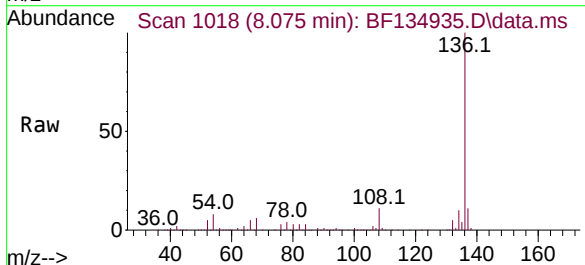
Instrument :
BNA_F
ClientSampleId :
TP-4

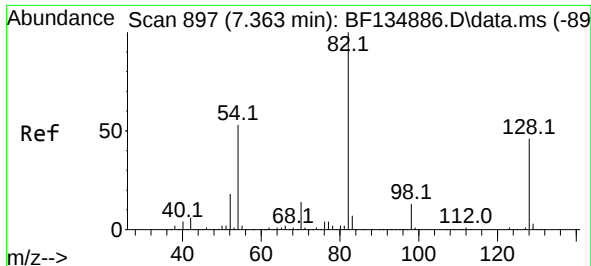
Tgt Ion: 99 Resp: 112512
Ion Ratio Lower Upper
99 100
42 18.1 14.6 22.0
71 33.4 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF134935.D
Acq: 24 Aug 2023 20:59

Tgt Ion: 136 Resp: 373216
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 8.0 6.6 9.8
68 5.8 5.0 7.4





#23

Nitrobenzene-d5

Concen: 8.897 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF134935.D

Acq: 24 Aug 2023 20:59

Instrument :

BNA_F

ClientSampleId :

TP-4

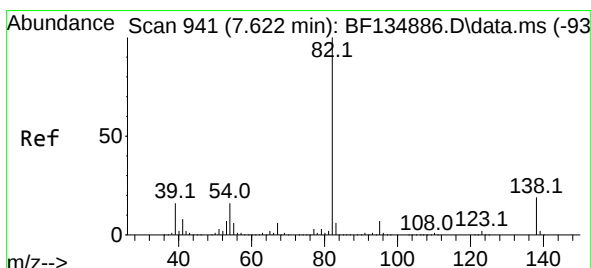
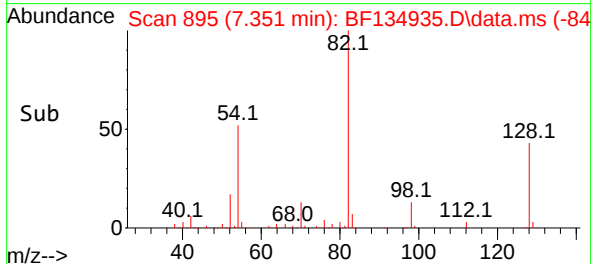
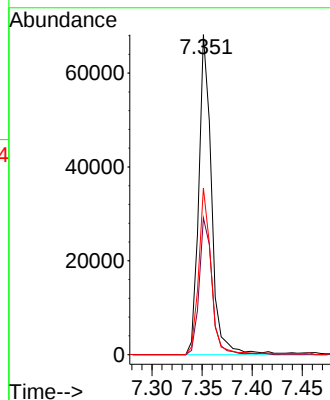
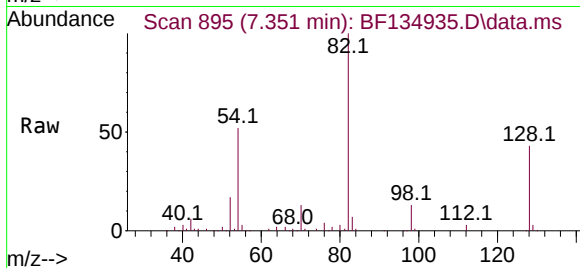
Tgt Ion: 82 Resp: 60258

Ion Ratio Lower Upper

82 100

128 42.7 36.6 54.8

54 52.1 42.6 63.8



#25

Isophorone

Concen: 4.765 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.271 min

Lab File: BF134935.D

Acq: 24 Aug 2023 20:59

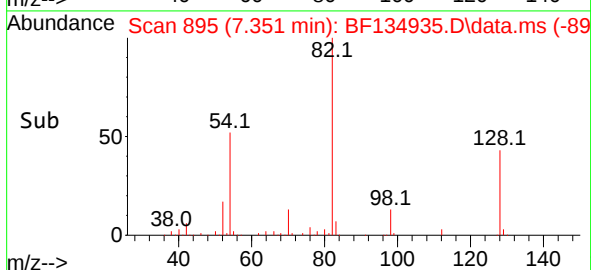
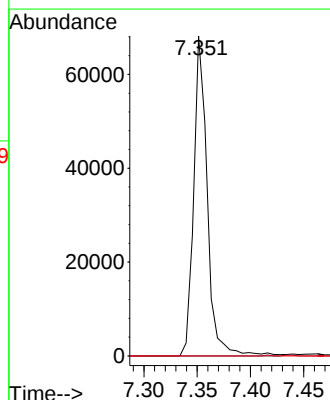
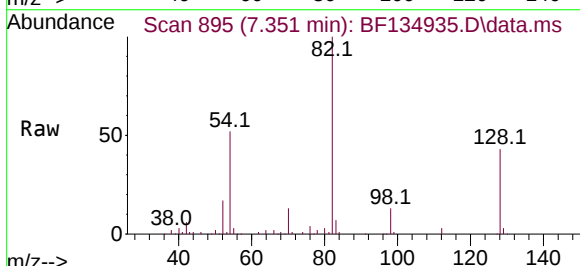
Tgt Ion: 82 Resp: 60258

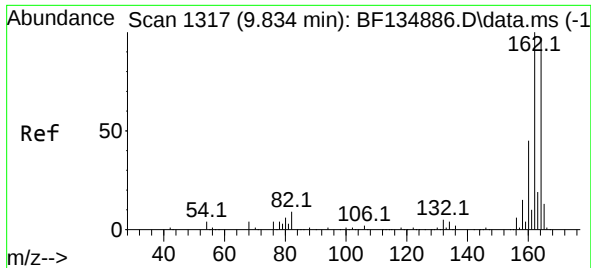
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 14.9 22.3#

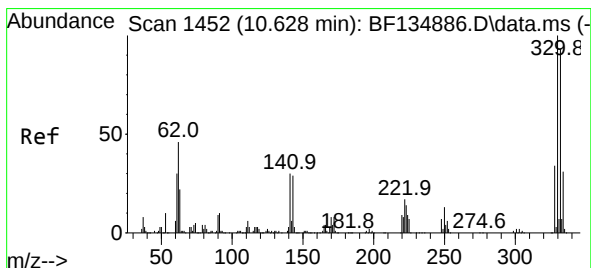
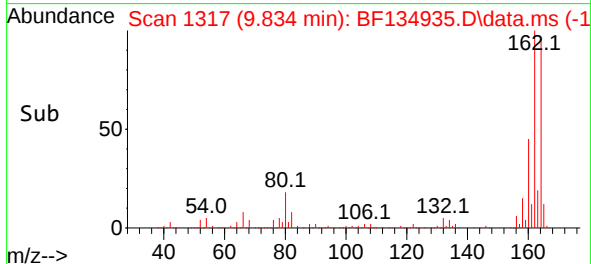
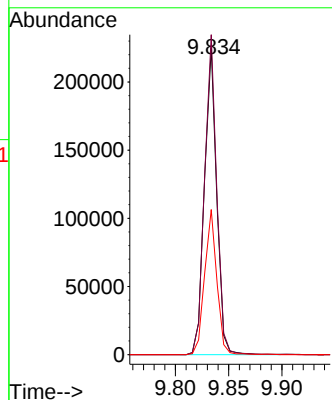
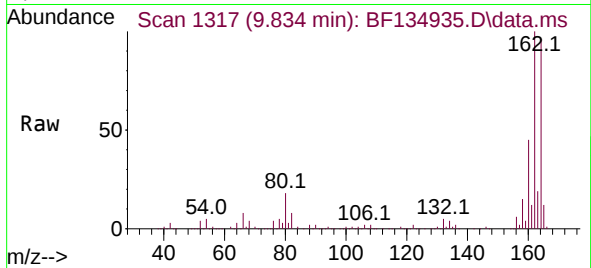




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF134935.D
Acq: 24 Aug 2023 20:59

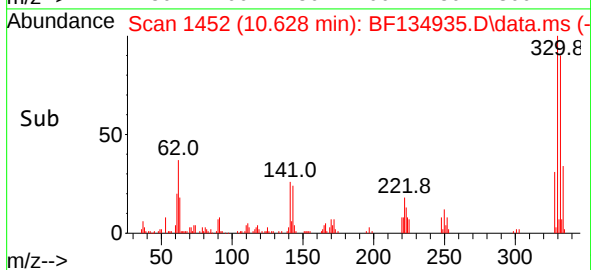
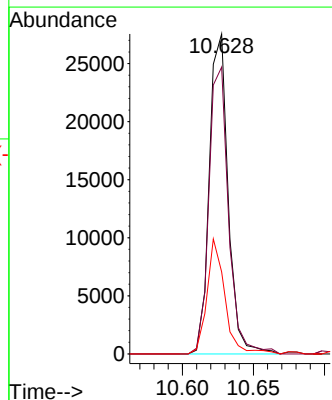
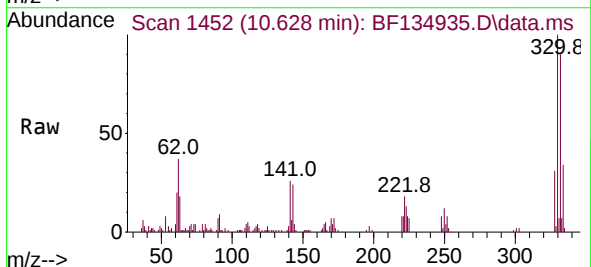
Instrument :
BNA_F
ClientSampleId :
TP-4

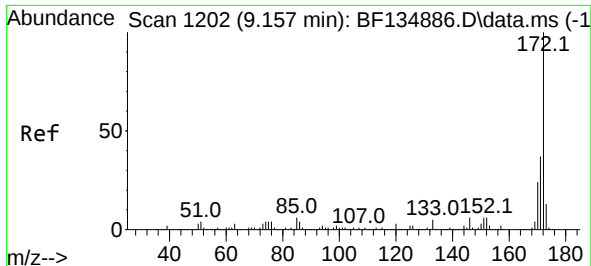
Tgt Ion:164	Resp: 178838		
Ion	Ratio	Lower	Upper
164	100		
162	104.3	82.6	123.8
160	47.2	37.0	55.4



#42
2,4,6-Tribromophenol
Concen: 12.073 ng
RT: 10.628 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF134935.D
Acq: 24 Aug 2023 20:59

Tgt Ion:330	Resp: 25429		
Ion	Ratio	Lower	Upper
330	100		
332	93.4	76.3	114.5
141	34.0	23.4	35.2





#45

2-Fluorobiphenyl

Concen: 9.960 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134935.D

Acq: 24 Aug 2023 20:59

Instrument :

BNA_F

ClientSampleId :

TP-4

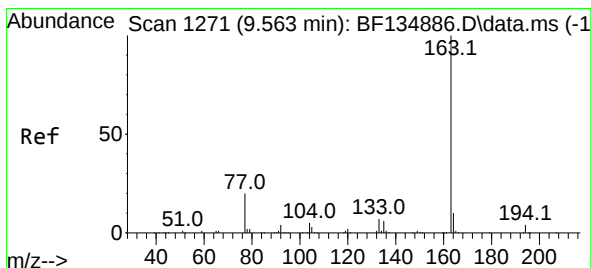
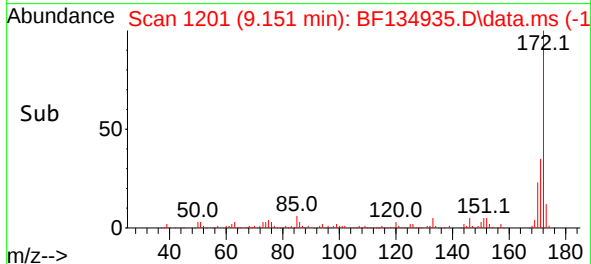
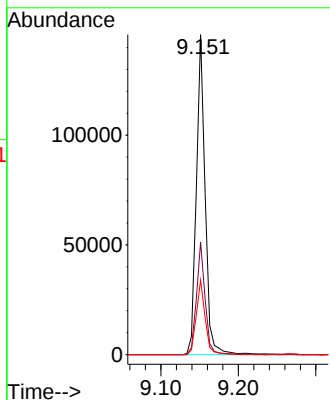
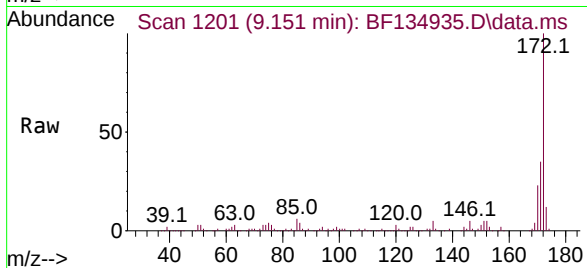
Tgt Ion:172 Resp: 115220

Ion Ratio Lower Upper

172 100

171 35.2 29.4 44.0

170 23.3 19.6 29.4



#50

Dimethylphthalate

Concen: 2.816 ng

RT: 9.834 min Scan# 1317

Delta R.T. 0.271 min

Lab File: BF134935.D

Acq: 24 Aug 2023 20:59

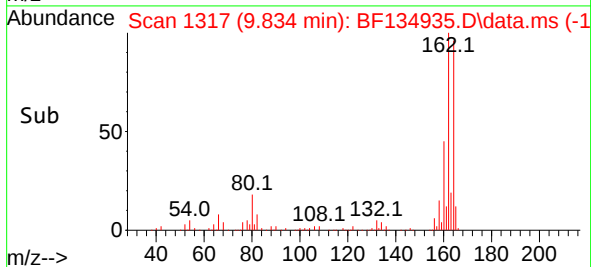
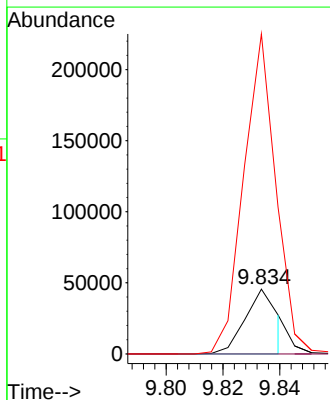
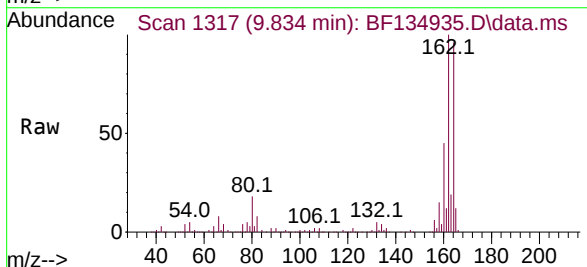
Tgt Ion:163 Resp: 35851

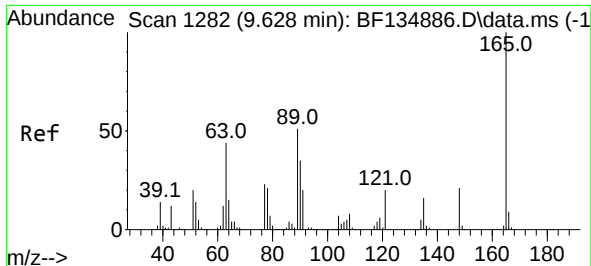
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 494.6 8.2 12.4#





#51

2,6-Dinitrotoluene

Concen: 8.238 ng

RT: 9.834 min Scan# 1317

Delta R.T. 0.206 min

Lab File: BF134935.D

Acq: 24 Aug 2023 20:59

Instrument :

BNA_F

ClientSampleId :

TP-4

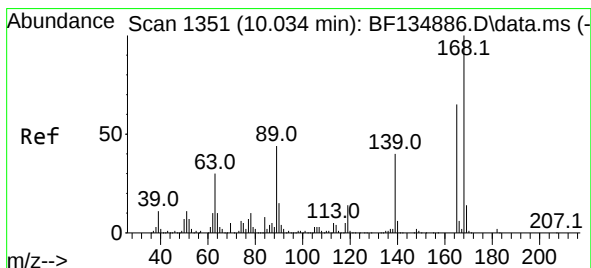
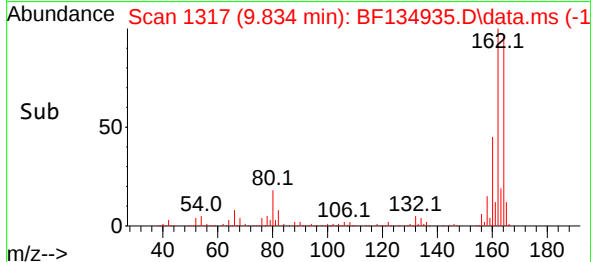
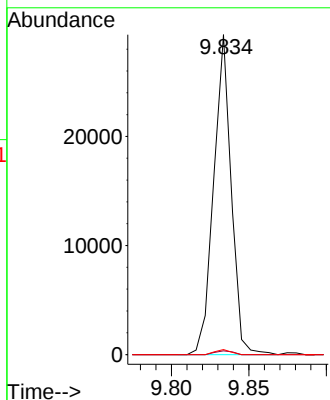
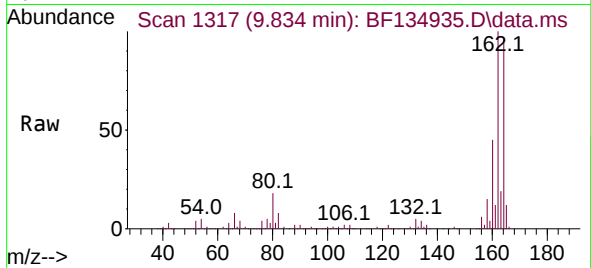
Tgt Ion:165 Resp: 23130

Ion Ratio Lower Upper

165 100

63 1.2 41.4 62.2#

89 1.6 40.9 61.3#



#57

2,4-Dinitrotoluene

Concen: 6.661 ng

RT: 9.834 min Scan# 1317

Delta R.T. -0.200 min

Lab File: BF134935.D

Acq: 24 Aug 2023 20:59

Tgt Ion:165 Resp: 23130

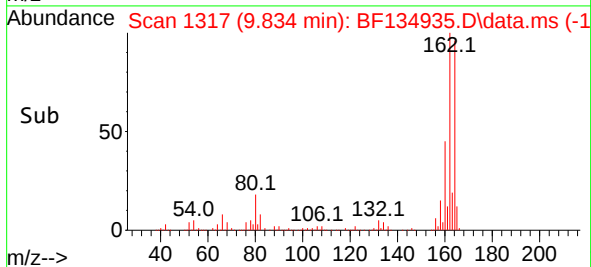
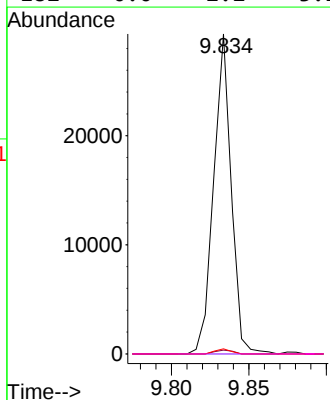
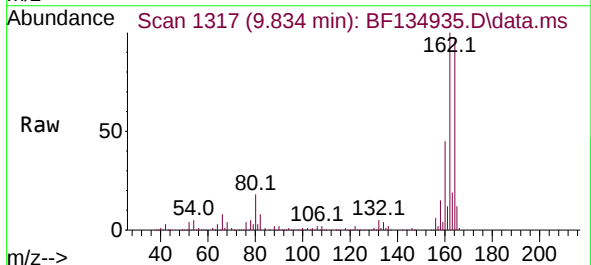
Ion Ratio Lower Upper

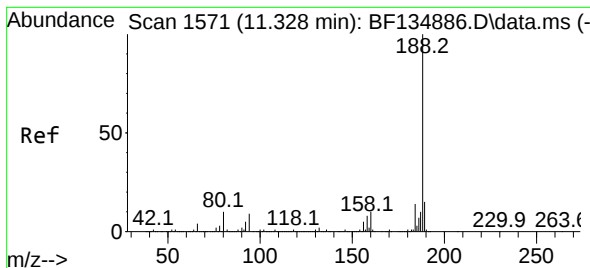
165 100

63 1.2 37.7 56.5#

89 1.6 54.2 81.4#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.328 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134935.D

Acq: 24 Aug 2023 20:59

Instrument :

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ClientSampleId :

TP-4

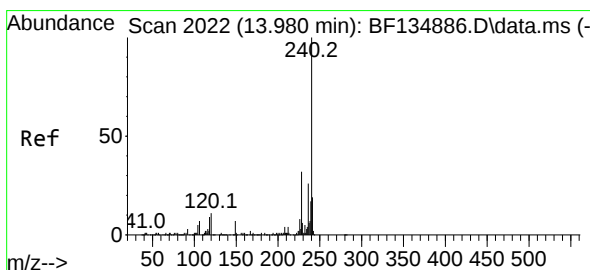
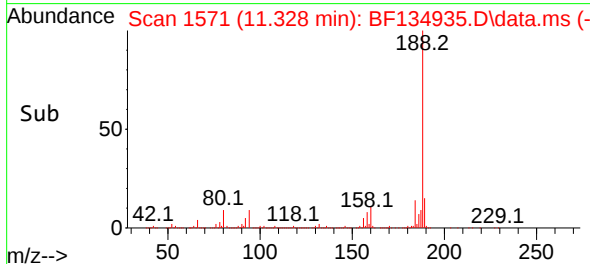
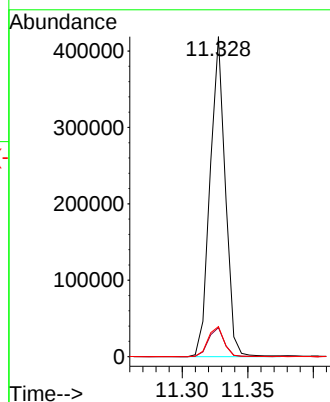
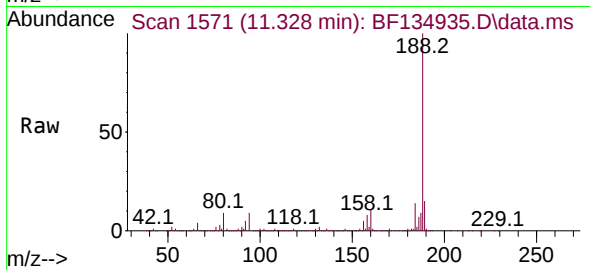
Tgt Ion:188 Resp: 339562

Ion Ratio Lower Upper

188 100

94 9.1 7.5 11.3

80 9.4 7.8 11.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2023

Delta R.T. 0.006 min

Lab File: BF134935.D

Acq: 24 Aug 2023 20:59

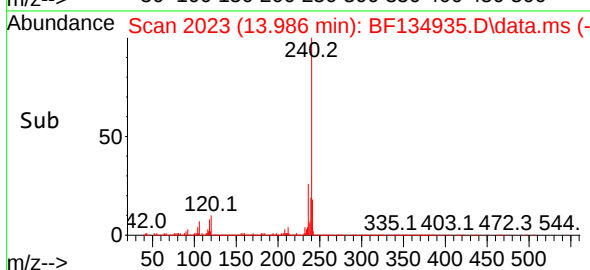
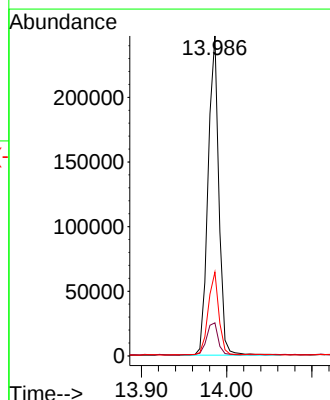
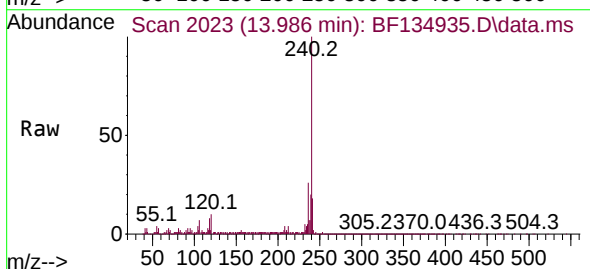
Tgt Ion:240 Resp: 216171

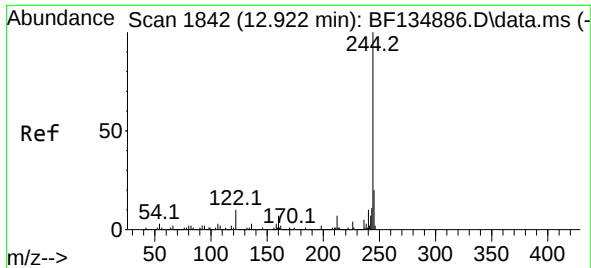
Ion Ratio Lower Upper

240 100

120 10.3 8.6 12.8

236 26.2 20.6 31.0





#79

Terphenyl-d14

Concen: 8.015 ng

RT: 12.922 min Scan# 1842

Delta R.T. -0.000 min

Lab File: BF134935.D

Acq: 24 Aug 2023 20:59

Instrument :

BNA_F

ClientSampleId :

TP-4

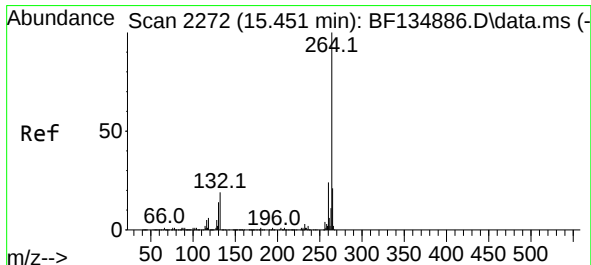
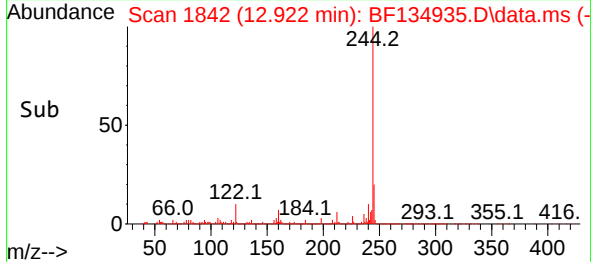
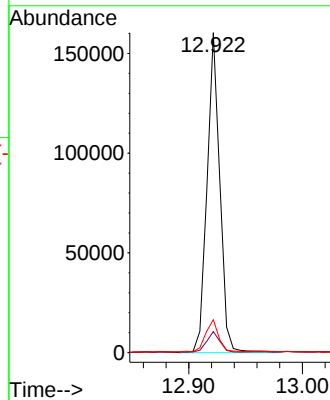
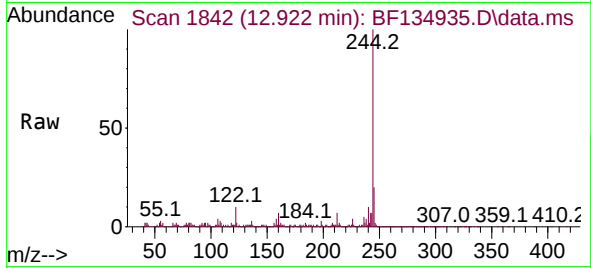
Tgt Ion:244 Resp: 125971

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.3 8.2 12.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2274

Delta R.T. 0.012 min

Lab File: BF134935.D

Acq: 24 Aug 2023 20:59

Tgt Ion:264 Resp: 172187

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.6

265 21.2 17.1 25.7

