

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072623\
 Data File : BF134486.D
 Acq On : 26 Jul 2023 17:24
 Operator : CG\JU
 Sample : 03717-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Jul 26 18:12:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:46:04 2023
 Response via : Initial Calibration

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

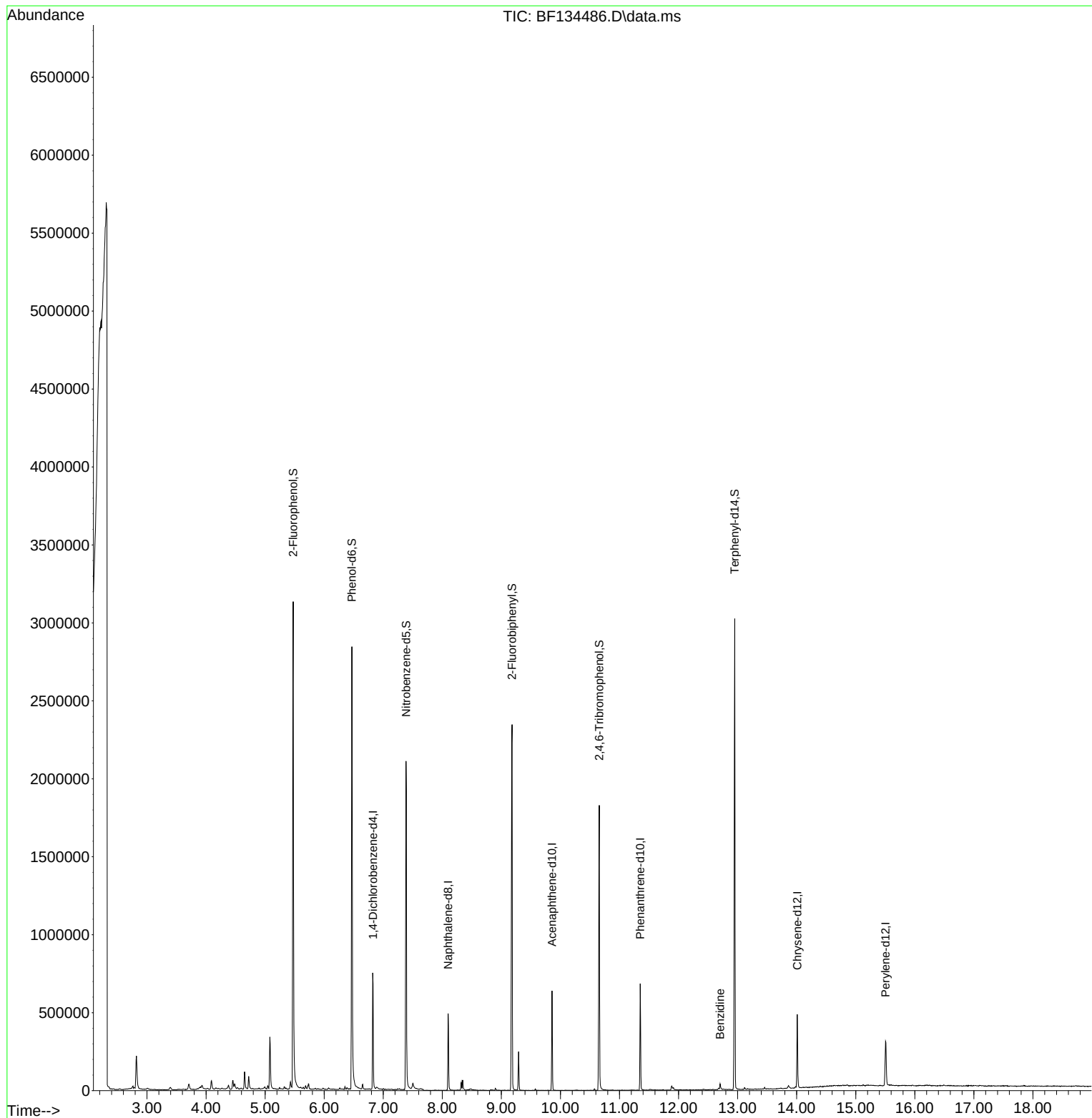
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	119362	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	216857	20.000	ng	#-0.02
39) Acenaphthene-d10	9.857	164	114726	20.000	ng	-0.02
64) Phenanthrene-d10	11.351	188	236748	20.000	ng	-0.02
76) Chrysene-d12	14.010	240	153869	20.000	ng	-0.02
86) Perylene-d12	15.504	264	144752	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	890606	123.276	ng	0.00
7) Phenol-d6	6.469	99	936444	105.796	ng	-0.01
23) Nitrobenzene-d5	7.387	82	713393	166.440	ng	-0.02
42) 2,4,6-Tribromophenol	10.657	330	228599	140.241	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	757656	86.697	ng	-0.01
79) Terphenyl-d14	12.951	244	1033402	117.241	ng	-0.01
Target Compounds						Qvalue
77) Benzidine	12.704	184	15982	4.865	ng	99

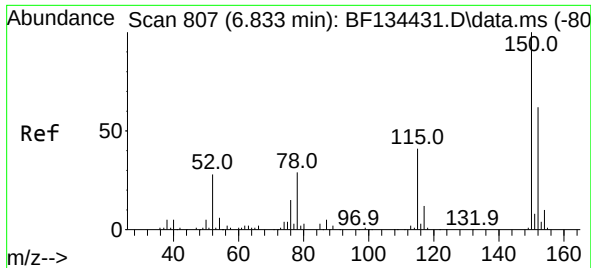
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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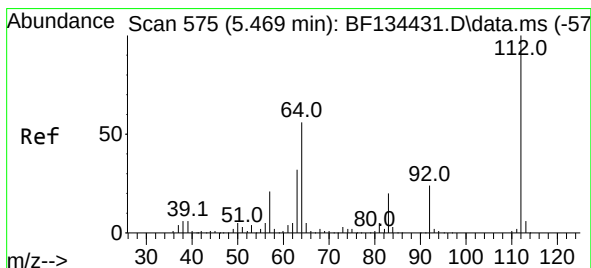
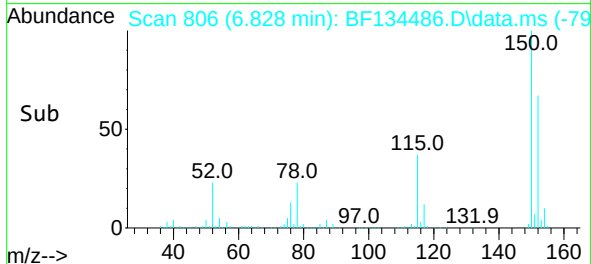
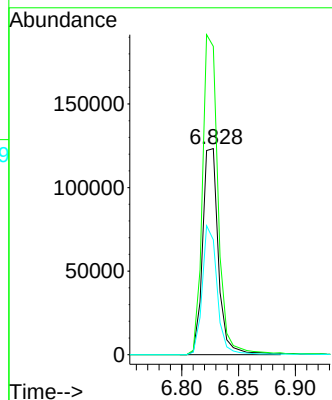
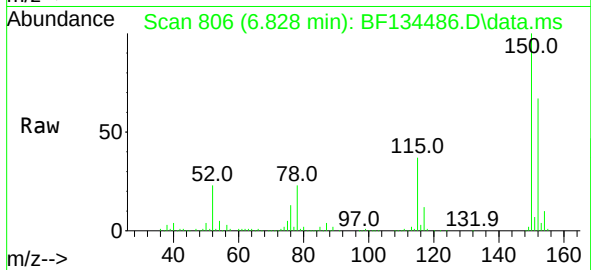




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 807
Delta R.T. -0.005 min
Lab File: BF134486.D
Acq: 26 Jul 2023 17:24

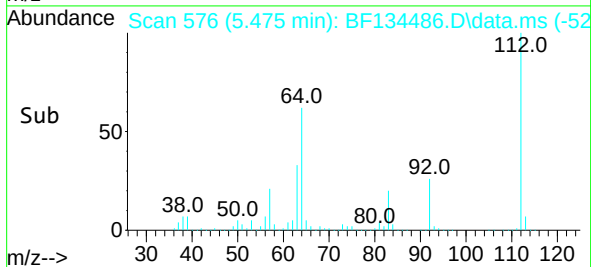
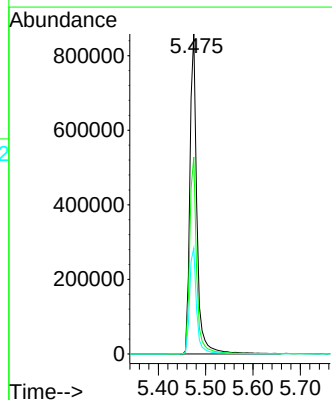
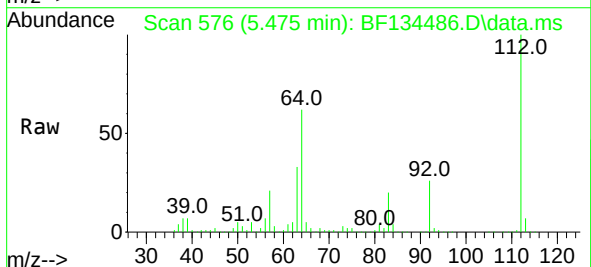
Instrument :
BNA_F
ClientSampleId :
TP-1

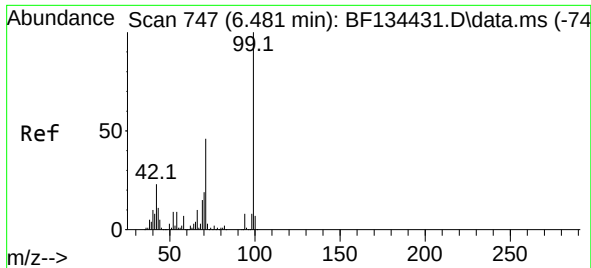
Tgt Ion:152 Resp: 119362
Ion Ratio Lower Upper
152 100
150 149.6 128.3 192.5
115 55.7 52.4 78.6



#5
2-Fluorophenol
Concen: 123.276 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134486.D
Acq: 26 Jul 2023 17:24

Tgt Ion:112 Resp: 890606
Ion Ratio Lower Upper
112 100
64 61.5 44.9 67.3
63 33.1 25.4 38.0

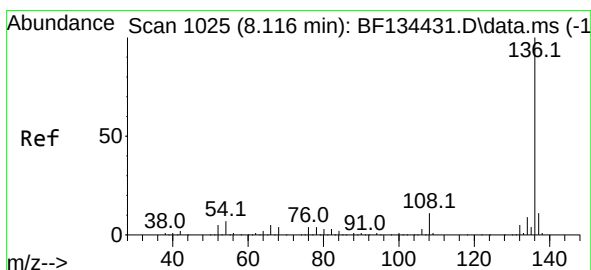
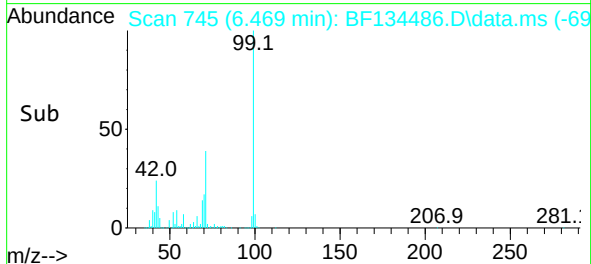
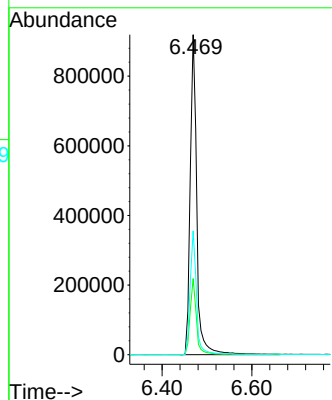
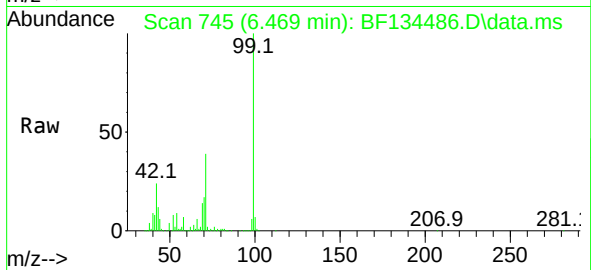




#7
Phenol-d6
Concen: 105.796 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134486.D
Acq: 26 Jul 2023 17:24

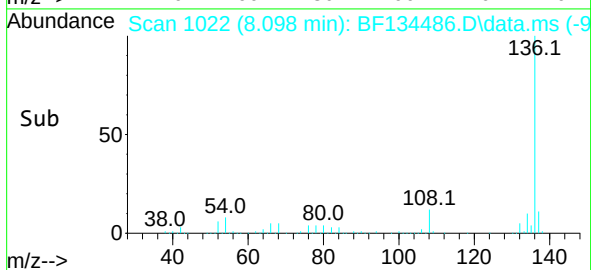
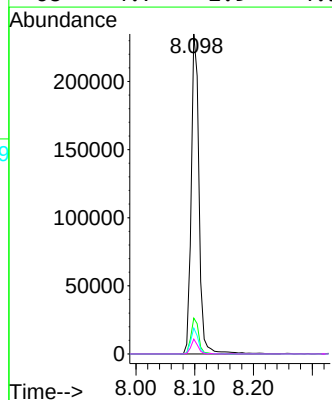
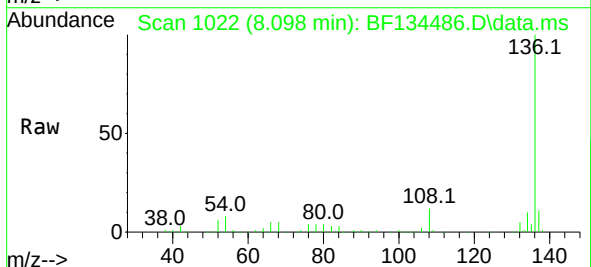
Instrument :
BNA_F
ClientSampleId :
TP-1

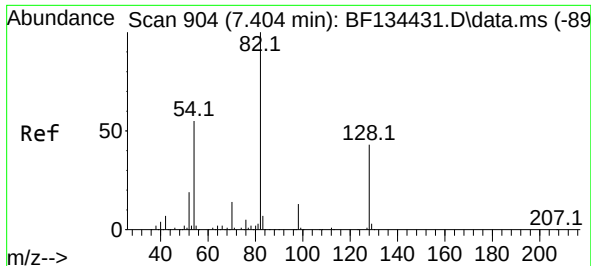
Tgt Ion: 99 Resp: 936444
Ion Ratio Lower Upper
99 100
42 23.8 18.7 28.1
71 38.7 36.4 54.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.017 min
Lab File: BF134486.D
Acq: 26 Jul 2023 17:24

Tgt Ion: 136 Resp: 216857
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 8.1 5.2 7.8#
68 4.7 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 166.440 ng

RT: 7.387 min Scan# 904

Delta R.T. -0.017 min

Lab File: BF134486.D

Acq: 26 Jul 2023 17:24

Instrument :

BNA_F

ClientSampleId :

TP-1

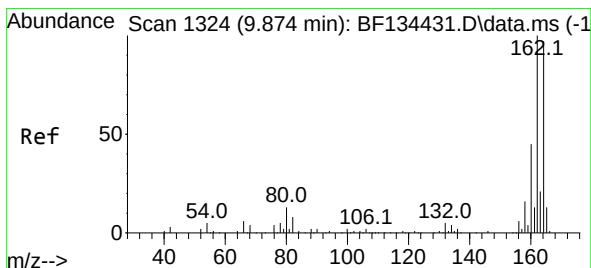
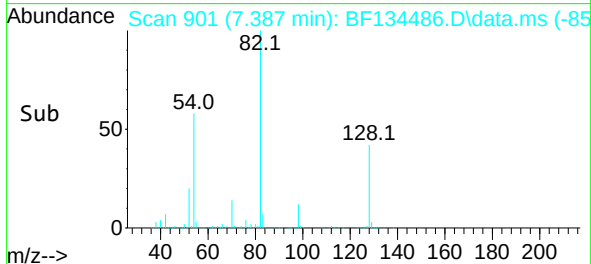
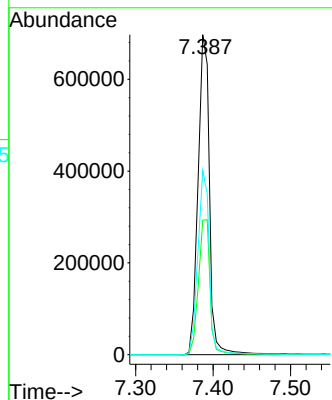
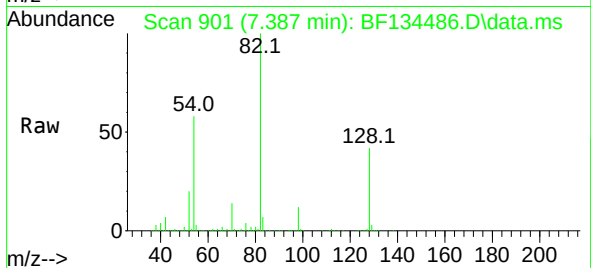
Tgt Ion: 82 Resp: 713393

Ion Ratio Lower Upper

82 100

128 42.1 34.3 51.5

54 57.6 43.8 65.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.017 min

Lab File: BF134486.D

Acq: 26 Jul 2023 17:24

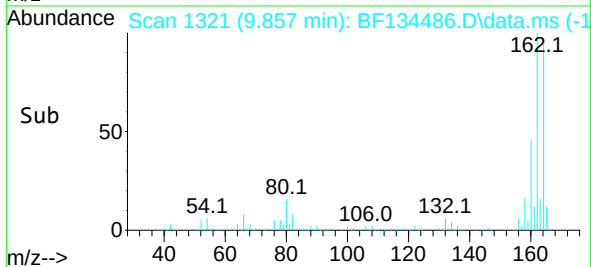
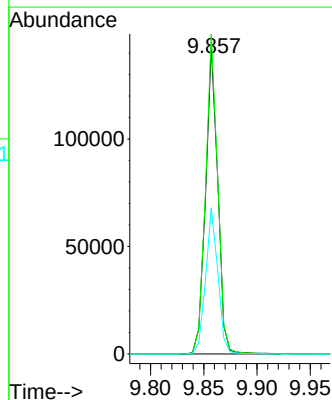
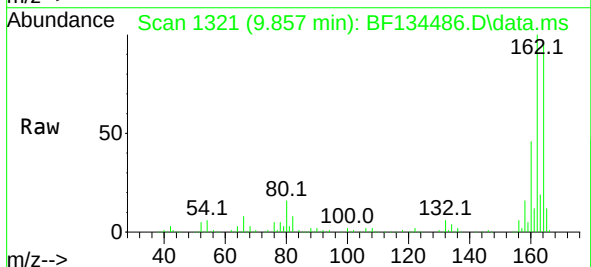
Tgt Ion:164 Resp: 114726

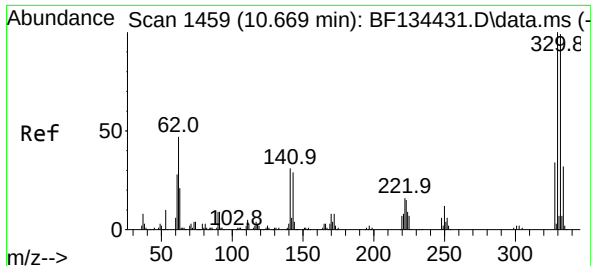
Ion Ratio Lower Upper

164 100

162 104.1 82.6 123.8

160 47.6 37.2 55.8

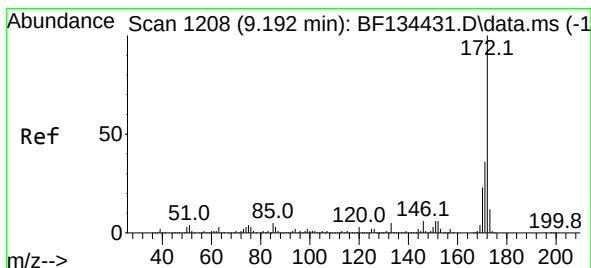
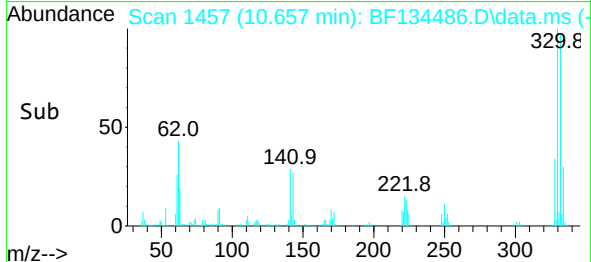
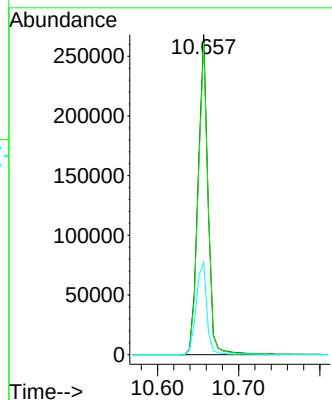
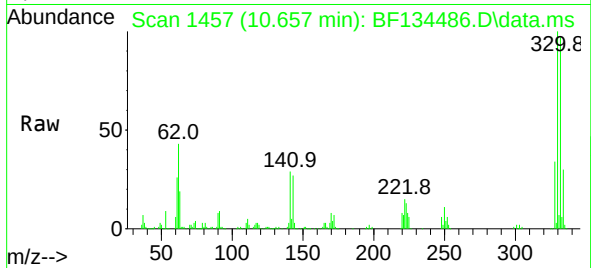




#42
2,4,6-Tribromophenol
Concen: 140.241 ng
RT: 10.657 min Scan# 1459
Delta R.T. -0.012 min
Lab File: BF134486.D
Acq: 26 Jul 2023 17:24

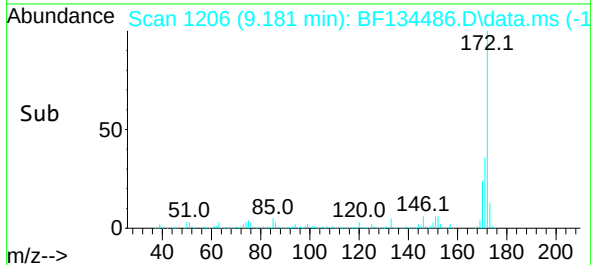
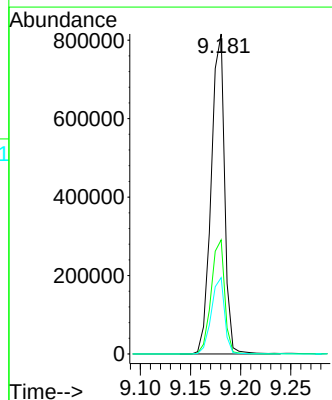
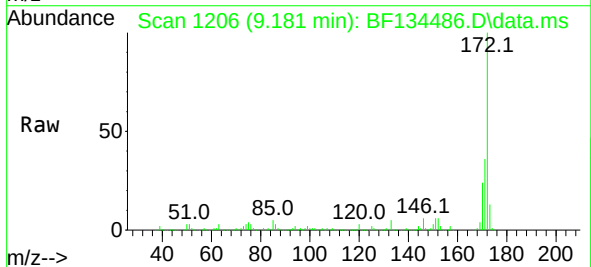
Instrument :
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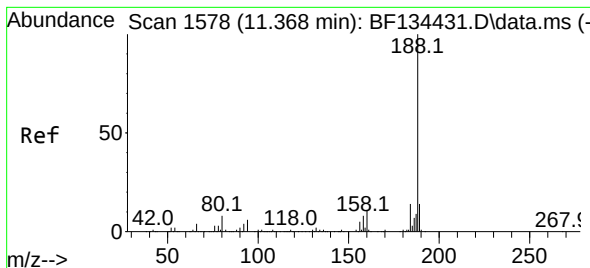
Tgt Ion:330 Resp: 228599
Ion Ratio Lower Upper
330 100
332 97.6 78.8 118.2
141 30.9 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 86.697 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.012 min
Lab File: BF134486.D
Acq: 26 Jul 2023 17:24

Tgt Ion:172 Resp: 757656
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.9 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF134486.D

Acq: 26 Jul 2023 17:24

Instrument :

BNA_F

ClientSampleId :

TP-1

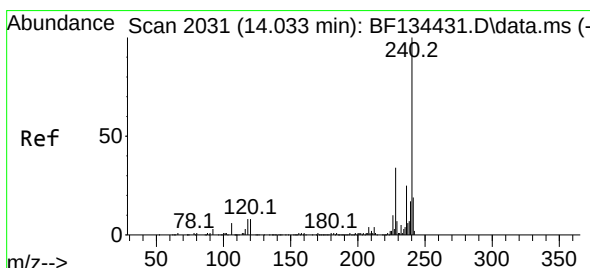
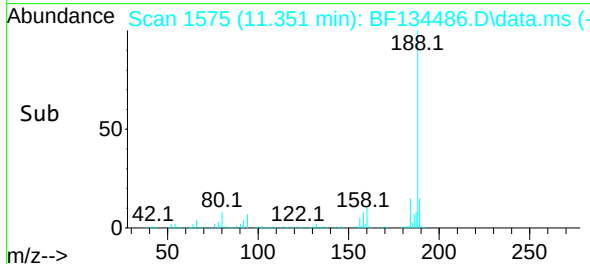
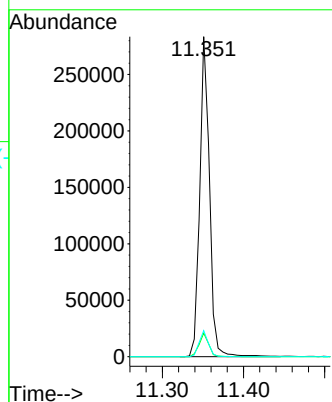
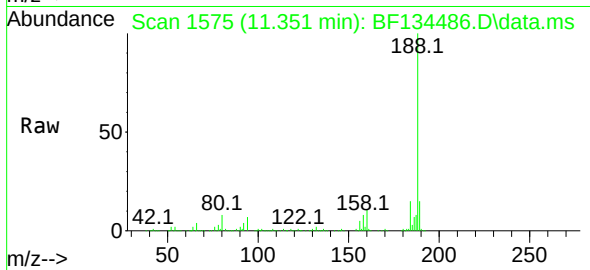
Tgt Ion:188 Resp: 236748

Ion Ratio Lower Upper

188 100

94 7.3 5.1 7.7

80 8.1 6.6 9.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.023 min

Lab File: BF134486.D

Acq: 26 Jul 2023 17:24

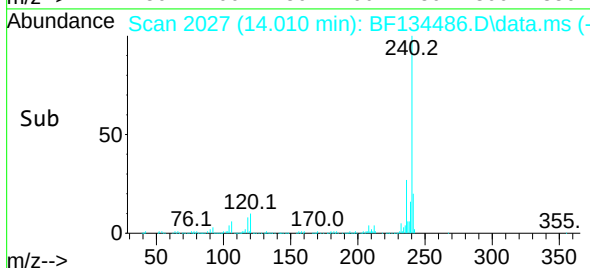
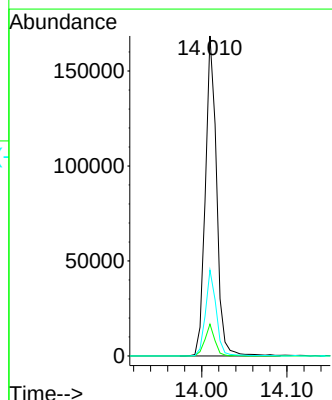
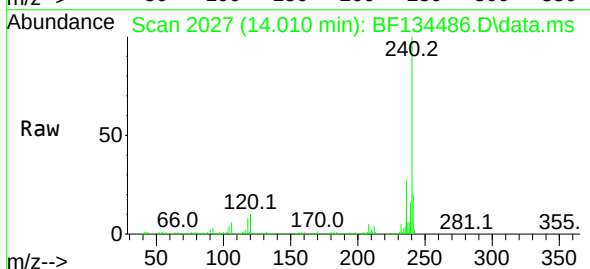
Tgt Ion:240 Resp: 153869

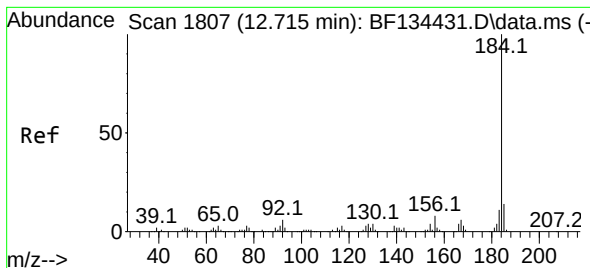
Ion Ratio Lower Upper

240 100

120 9.9 6.6 10.0

236 26.8 20.2 30.2





#77

Benzidine

Concen: 4.865 ng

RT: 12.704 min Scan# 1805

Delta R.T. -0.011 min

Lab File: BF134486.D

Acq: 26 Jul 2023 17:24

Instrument :

BNA_F

ClientSampleId :

TP-1

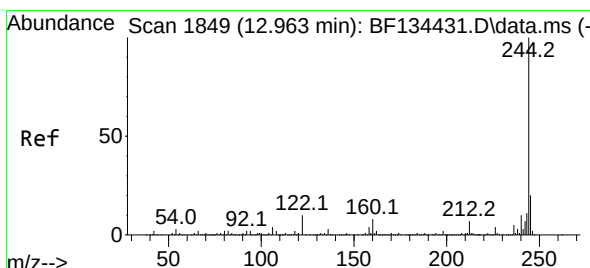
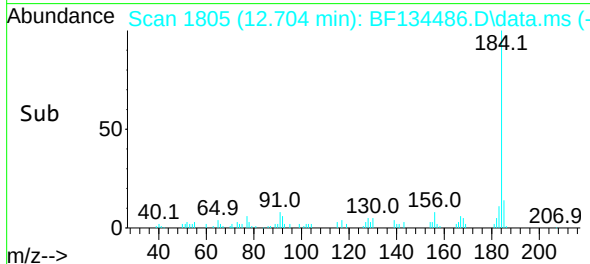
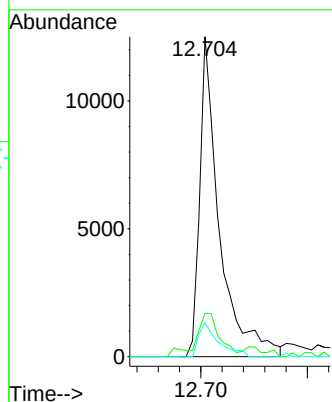
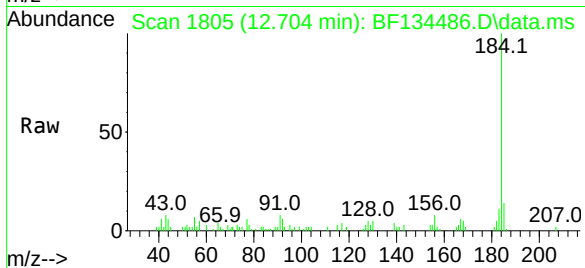
Tgt Ion:184 Resp: 15982

Ion Ratio Lower Upper

184 100

185 13.6 11.2 16.8

183 10.6 8.6 13.0



#79

Terphenyl-d14

Concen: 117.241 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.012 min

Lab File: BF134486.D

Acq: 26 Jul 2023 17:24

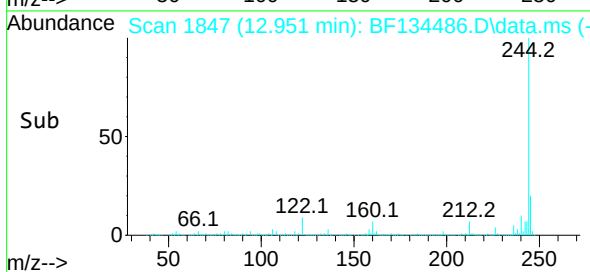
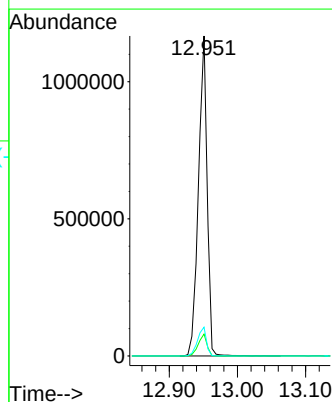
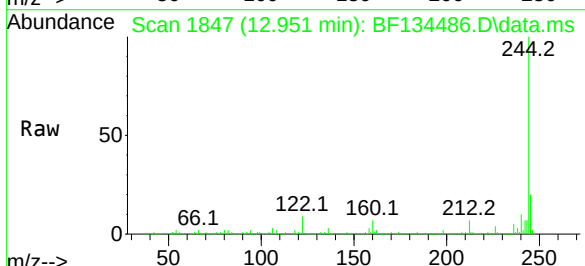
Tgt Ion:244 Resp: 1033402

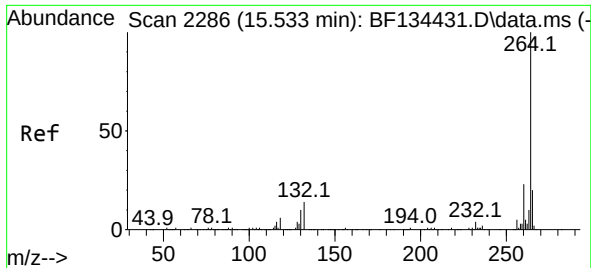
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

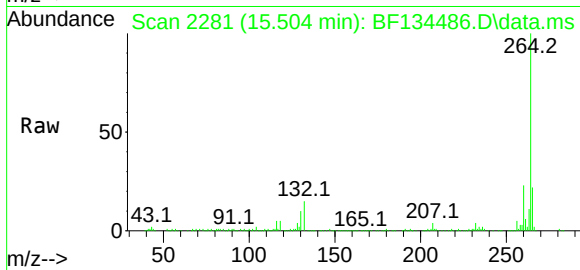
122 9.0 8.0 12.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF134486.D
Acq: 26 Jul 2023 17:24

Instrument :
BNA_F
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TP-1



Tgt Ion:264 Resp: 144752
Ion Ratio Lower Upper
264 100
260 23.3 18.4 27.6
265 21.8 15.8 23.8

