

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071423\
 Data File : BF134295.D
 Acq On : 14 Jul 2023 17:49
 Operator : CG\JU
 Sample : 03608-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 156610

Quant Time: Jul 14 18:39:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 17:58:58 2023
 Response via : Initial Calibration

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

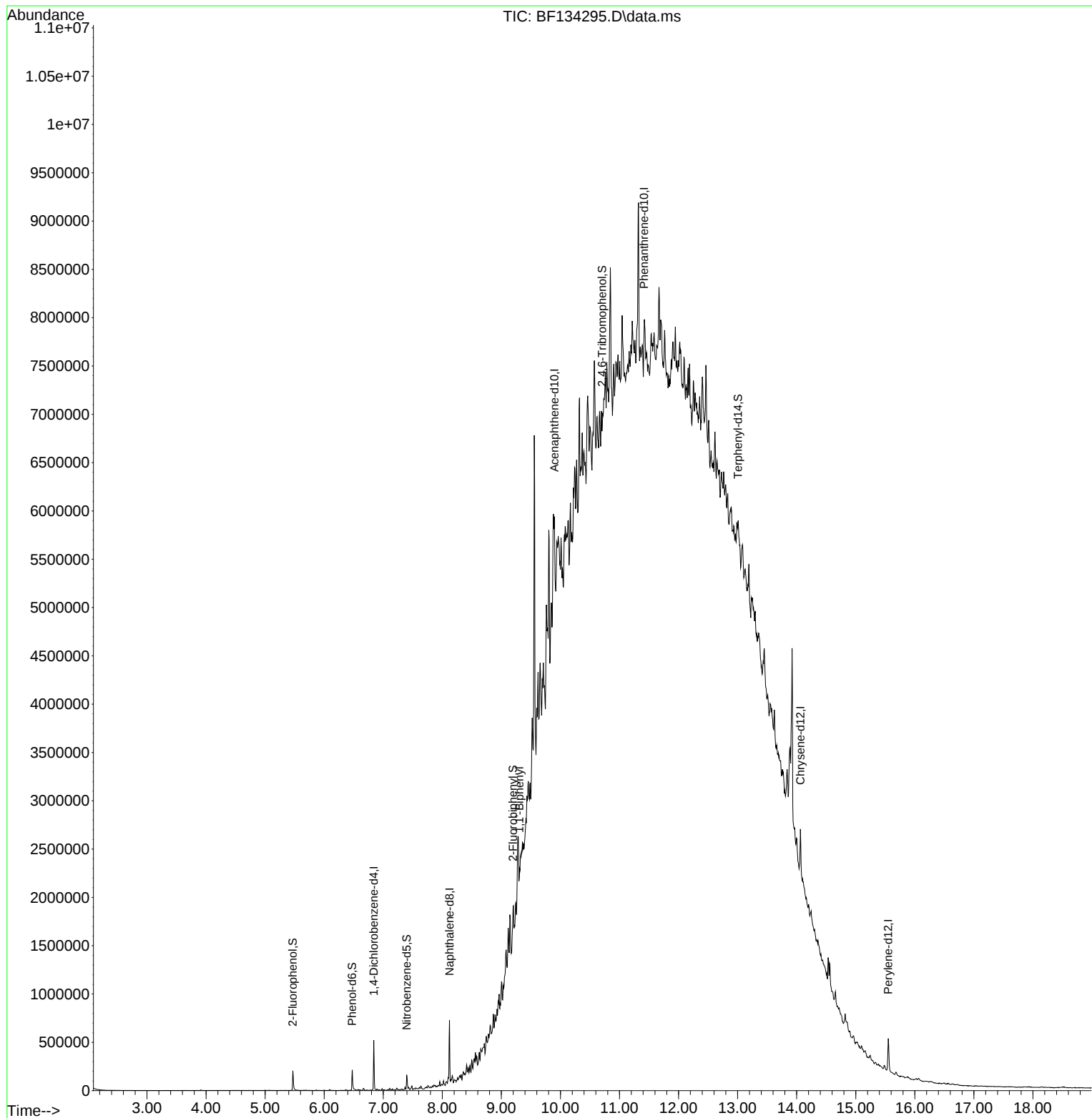
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	68951	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	252438	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	103600	20.000	ng	0.02
64) Phenanthrene-d10	11.416	188	152622	20.000	ng	# 0.04
76) Chrysene-d12	14.063	240	142832	20.000	ng	# 0.02
86) Perylene-d12	15.551	264	162033	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	59081	14.333	ng	0.00
7) Phenol-d6	6.475	99	70532	13.914	ng	-0.01
23) Nitrobenzene-d5	7.398	82	44814	9.570	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	19256	14.824	ng	0.02
45) 2-Fluorobiphenyl	9.198	172	85847	12.048	ng	0.00
79) Terphenyl-d14	13.004	244	77927	8.781	ng	0.03
Target Compounds						
46) 1,1'-Biphenyl	9.304	154	18011	2.167	ng	Qvalue 81

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

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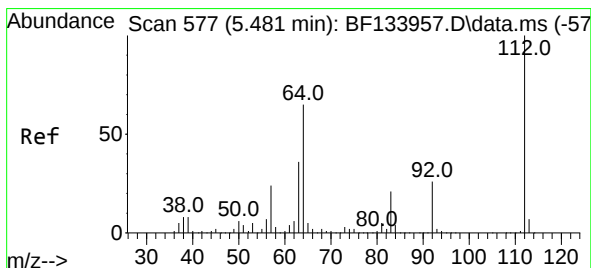
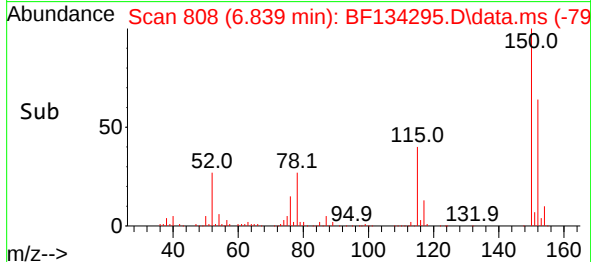
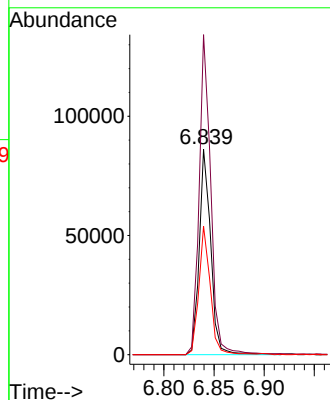
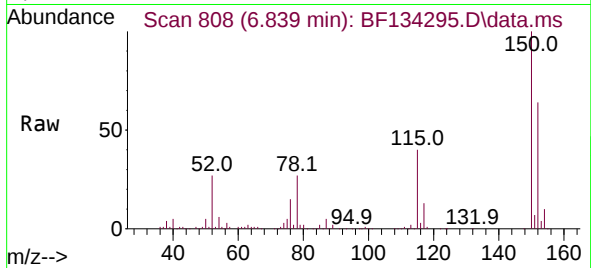




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134295.D
Acq: 14 Jul 2023 17:49

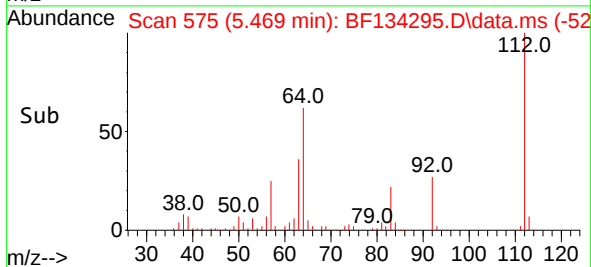
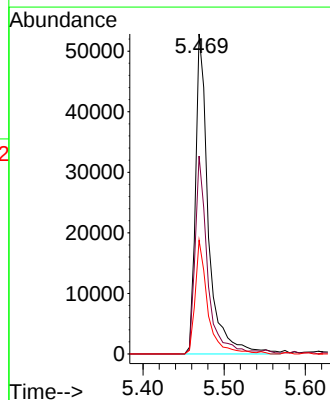
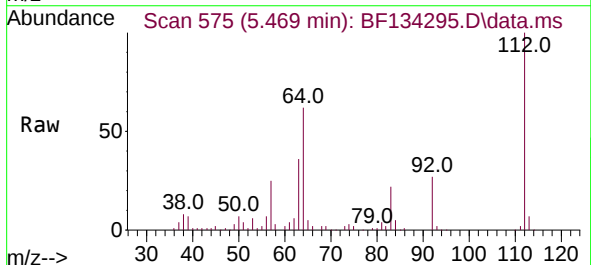
Instrument :
BNA_F
ClientSampleId :
156610

Tgt Ion:152 Resp: 68951
Ion Ratio Lower Upper
152 100
150 155.8 124.5 186.7
115 62.5 50.2 75.2



#5
2-Fluorophenol
Concen: 14.333 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134295.D
Acq: 14 Jul 2023 17:49

Tgt Ion:112 Resp: 59081
Ion Ratio Lower Upper
112 100
64 61.8 52.1 78.1
63 35.5 28.6 42.8

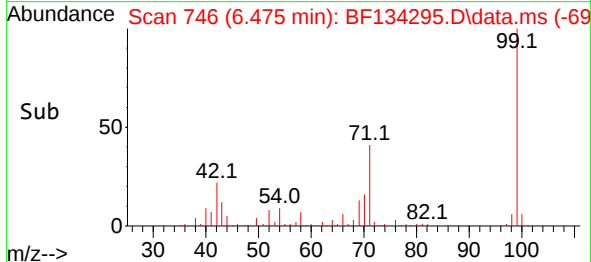
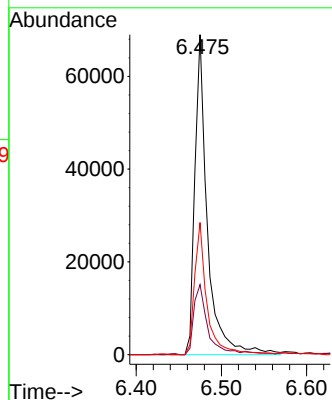
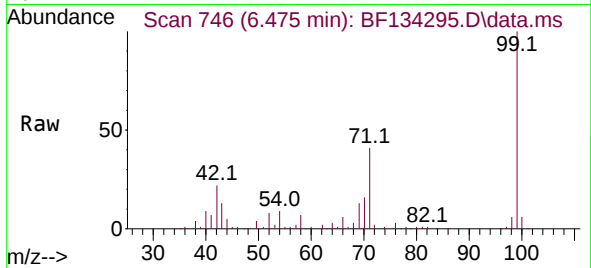




#7
Phenol-d6
Concen: 13.914 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134295.D
Acq: 14 Jul 2023 17:49

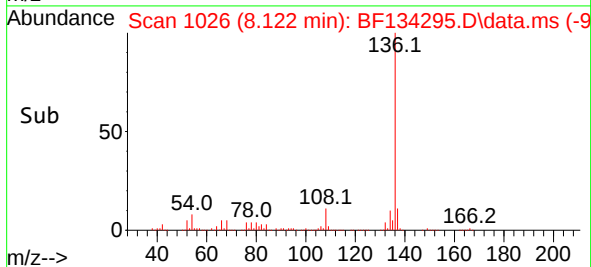
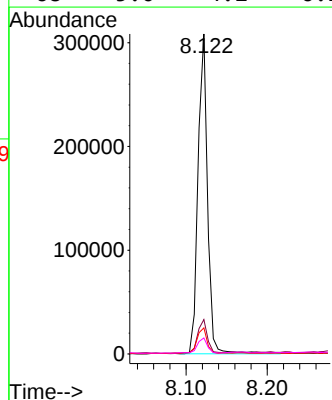
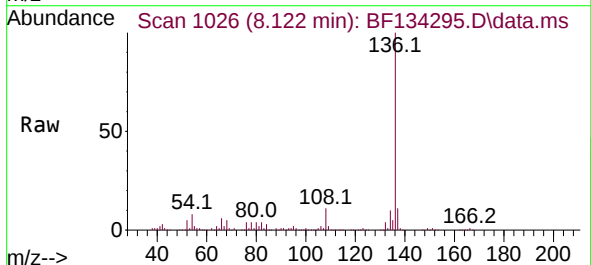
Instrument :
BNA_F
ClientSampleId :
156610

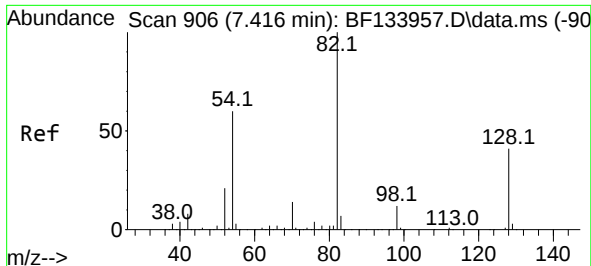
Tgt Ion: 99 Resp: 70532
Ion Ratio Lower Upper
99 100
42 21.9 19.8 29.6
71 41.3 31.9 47.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF134295.D
Acq: 14 Jul 2023 17:49

Tgt Ion: 136 Resp: 252438
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 8.1 6.5 9.7
68 5.0 4.2 6.2





#23

Nitrobenzene-d5

Concen: 9.570 ng

RT: 7.398 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF134295.D

Acq: 14 Jul 2023 17:49

Instrument :

BNA_F

ClientSampleId :

156610

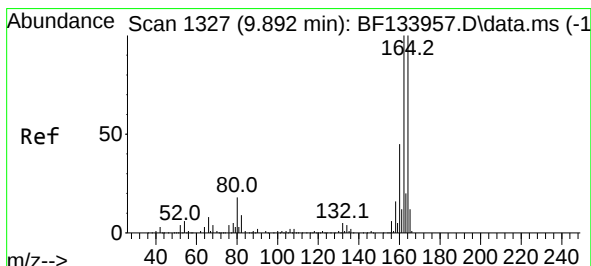
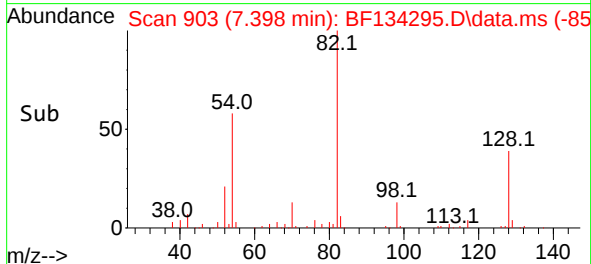
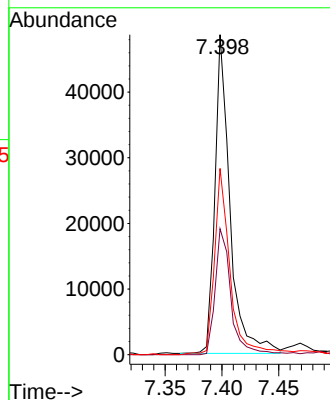
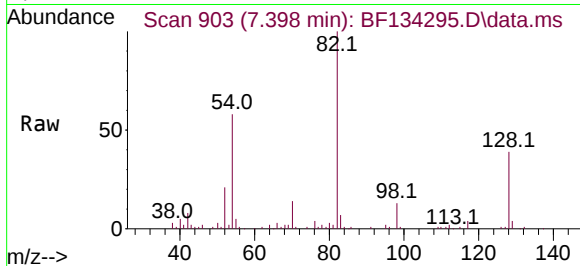
Tgt Ion: 82 Resp: 44814

Ion Ratio Lower Upper

82 100

128 39.4 32.5 48.7

54 58.2 48.2 72.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.018 min

Lab File: BF134295.D

Acq: 14 Jul 2023 17:49

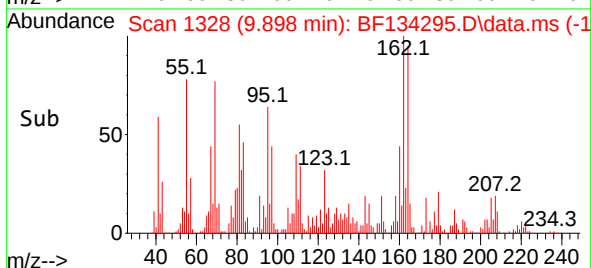
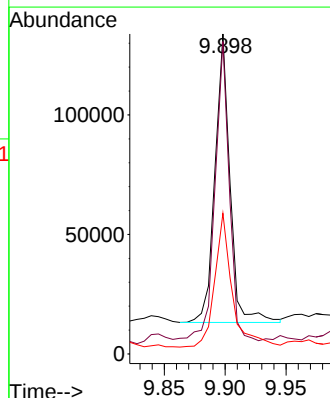
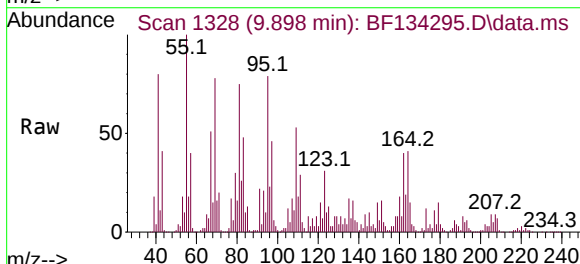
Tgt Ion:164 Resp: 103600

Ion Ratio Lower Upper

164 100

162 97.6 80.0 120.0

160 43.9 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 14.824 ng

RT: 10.704 min Scan# 1465

Delta R.T. 0.024 min

Lab File: BF134295.D

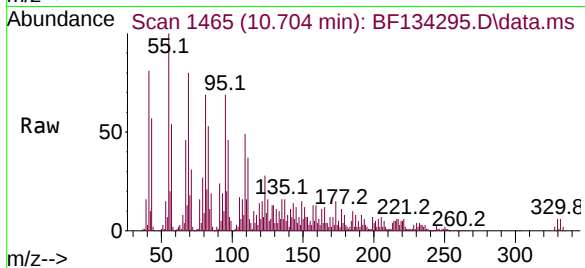
Acq: 14 Jul 2023 17:49

Instrument :

BNA_F

ClientSampleId :

156610



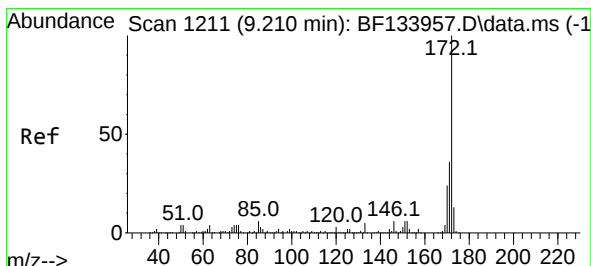
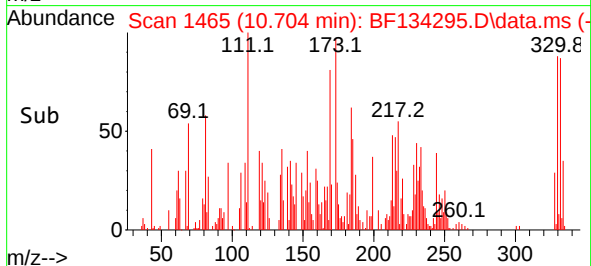
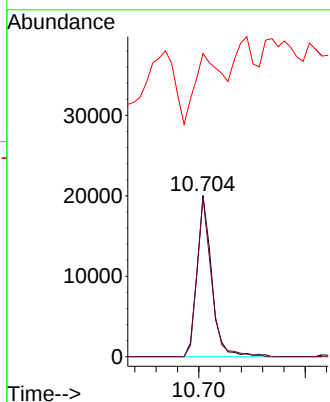
Tgt Ion:330 Resp: 19256

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

141 81.0 26.3 39.5#



#45

2-Fluorobiphenyl

Concen: 12.048 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF134295.D

Acq: 14 Jul 2023 17:49

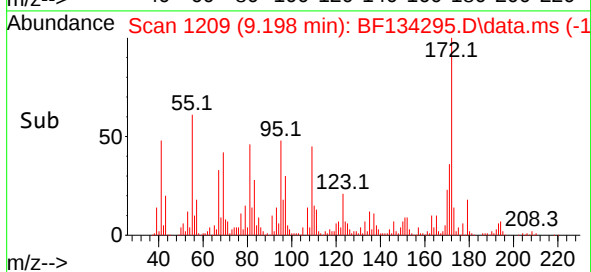
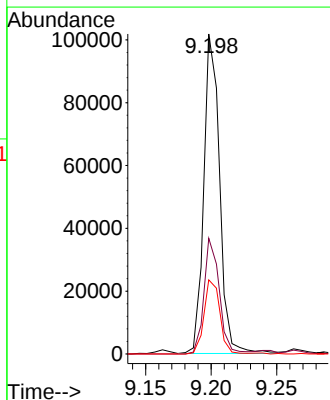
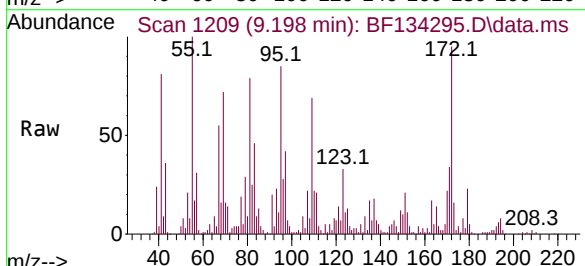
Tgt Ion:172 Resp: 85847

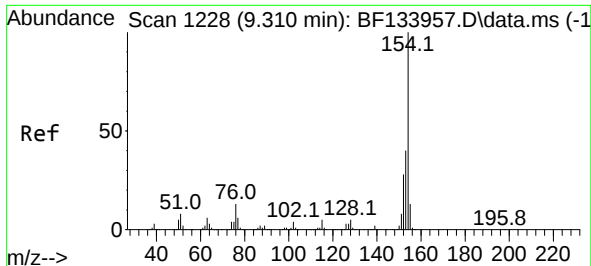
Ion Ratio Lower Upper

172 100

171 36.2 28.6 43.0

170 23.2 19.4 29.0





#46

1,1'-Biphenyl

Concen: 2.167 ng

RT: 9.304 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134295.D

Acq: 14 Jul 2023 17:49

Instrument :

BNA_F

ClientSampleId :

156610

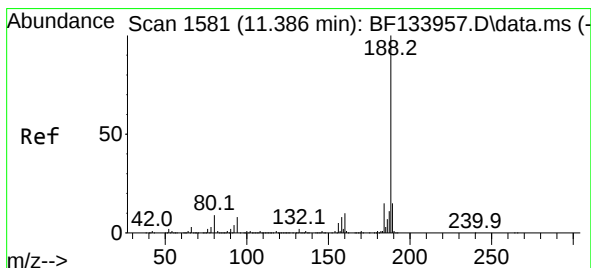
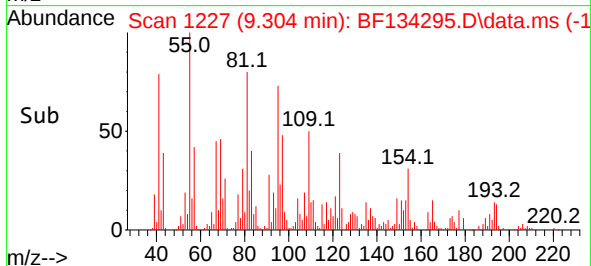
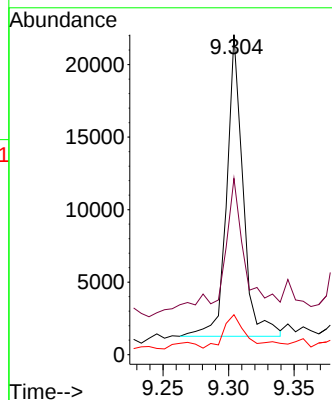
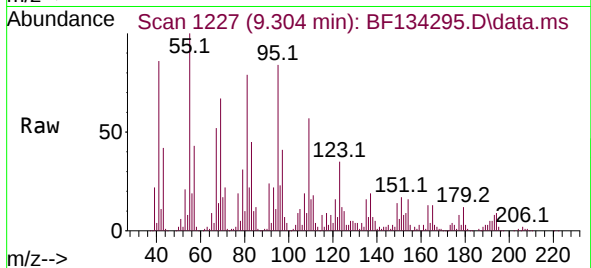
Tgt Ion:154 Resp: 18011

Ion Ratio Lower Upper

154 100

153 55.1 19.8 59.8

76 12.5 0.0 32.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1586

Delta R.T. 0.041 min

Lab File: BF134295.D

Acq: 14 Jul 2023 17:49

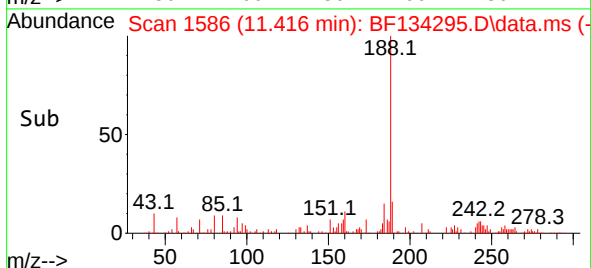
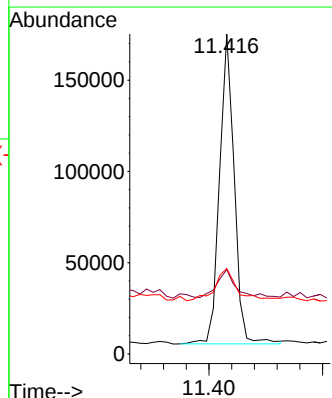
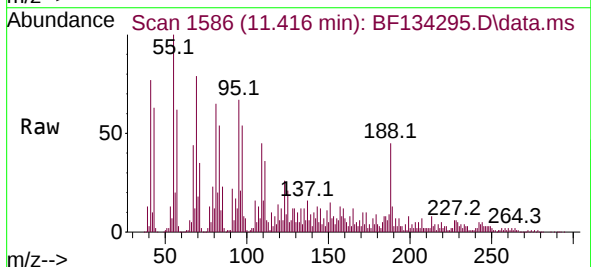
Tgt Ion:188 Resp: 152622

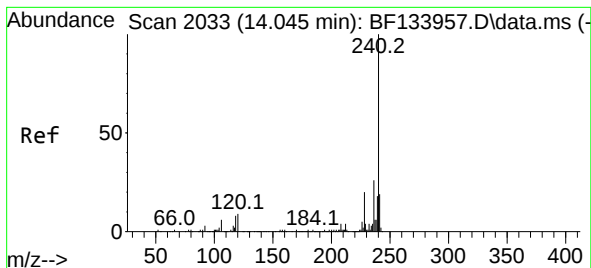
Ion Ratio Lower Upper

188 100

94 26.4 6.4 9.6#

80 26.7 7.3 10.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2033

Delta R.T. 0.024 min

Lab File: BF134295.D

Acq: 14 Jul 2023 17:49

Instrument :

BNA_F

ClientSampleId :

156610

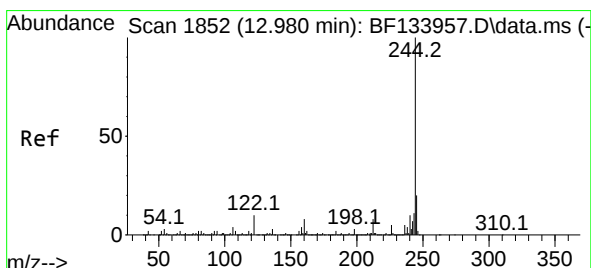
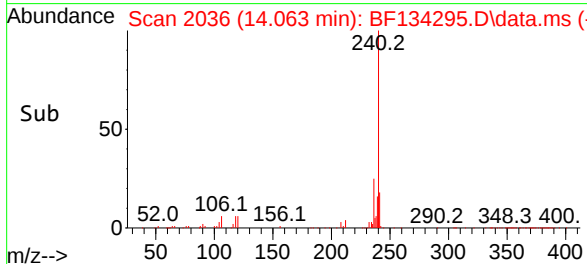
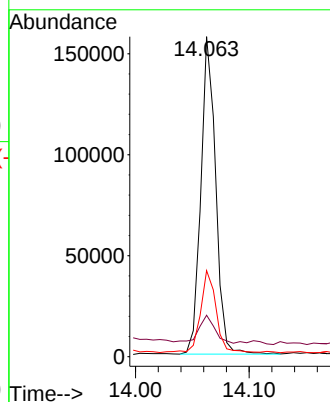
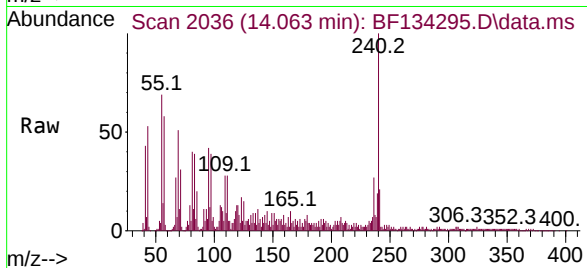
Tgt Ion:240 Resp: 142832

Ion Ratio Lower Upper

240 100

120 12.9 7.4 11.0#

236 26.9 21.0 31.6



#79

Terphenyl-d14

Concen: 8.781 ng

RT: 13.004 min Scan# 1856

Delta R.T. 0.029 min

Lab File: BF134295.D

Acq: 14 Jul 2023 17:49

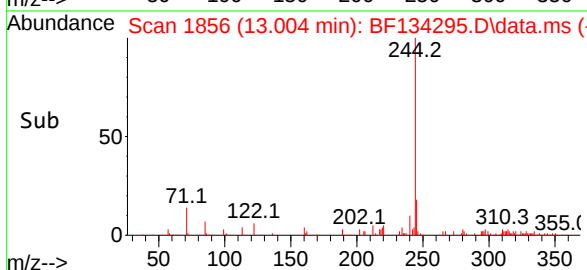
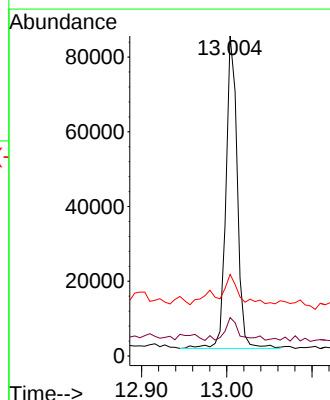
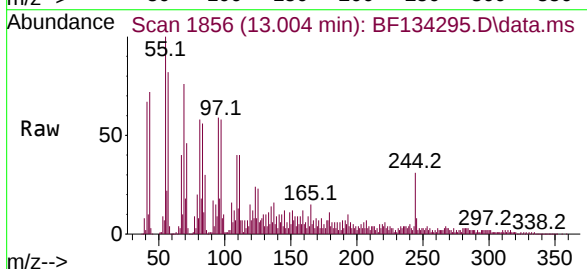
Tgt Ion:244 Resp: 77927

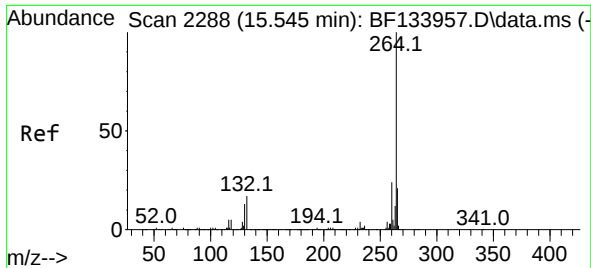
Ion Ratio Lower Upper

244 100

212 12.0 6.0 9.0#

122 25.5 8.3 12.5#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF134295.D
 Acq: 14 Jul 2023 17:49

Instrument :
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Tgt Ion:264 Resp: 162033
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.5 29.3
 265 21.7 16.6 25.0

