

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144228.D
 Acq On : 12 Nov 2025 03:52
 Operator : RC/JU
 Sample : Q3593-06 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-LAW-25-0167-0175-COMP

Quant Time: Nov 12 04:55:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

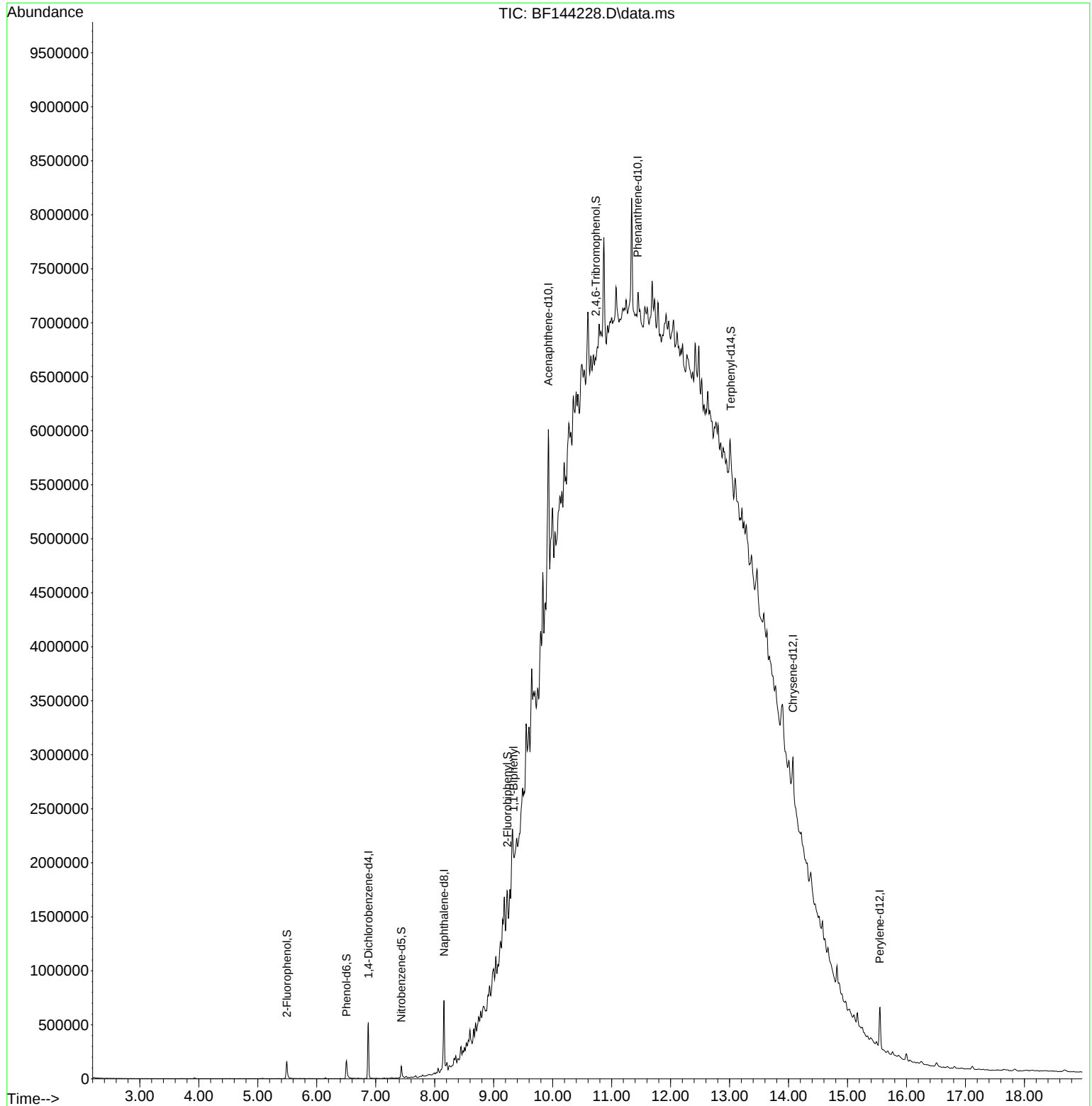
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	112037	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	396457	20.000	ng	# 0.00
39) Acenaphthene-d10	9.928	164	92724	20.000	ng	0.01
64) Phenanthrene-d10	11.439	188	129345	20.000	ng	# 0.04
76) Chrysene-d12	14.074	240	207376	20.000	ng	# 0.02
86) Perylene-d12	15.545	264	217094	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	79610	11.120	ng	0.00
7) Phenol-d6	6.504	99	97514	12.021	ng	0.00
23) Nitrobenzene-d5	7.434	82	52800	7.692	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	16875	14.503	ng	0.03
45) 2-Fluorobiphenyl	9.233	172	102520	16.330	ng	0.00
79) Terphenyl-d14	13.021	244	72172	5.528	ng	0.03
Target Compounds						
46) 1,1'-Biphenyl	9.339	154	44608	6.892	ng	Qvalue 90

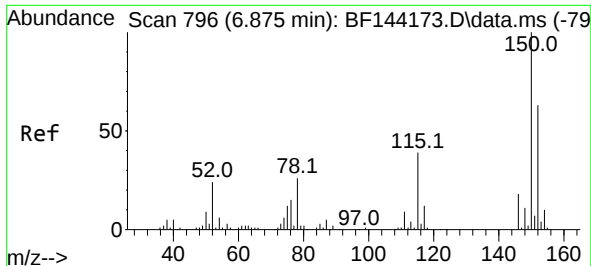
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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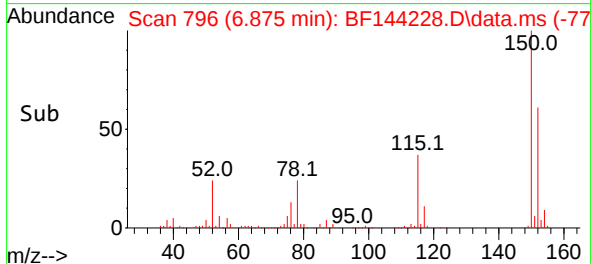
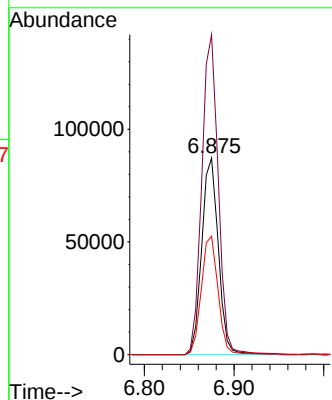
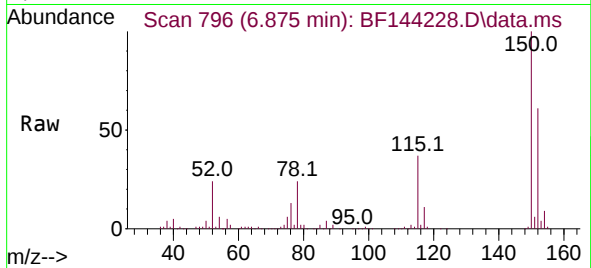




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

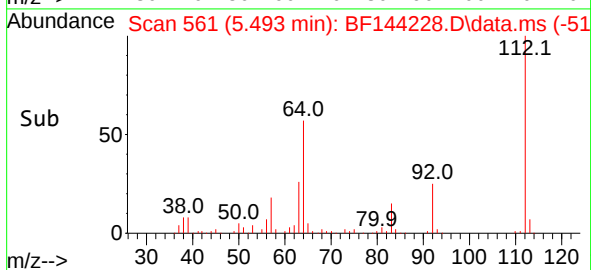
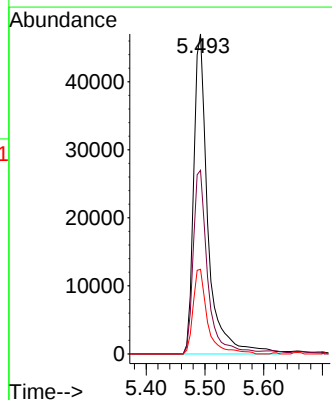
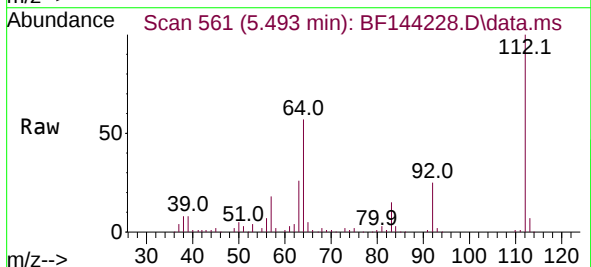
Instrument :
BNA_F
ClientSampleId :
B-LAW-25-0167-0175-COMP

Tgt Ion:152 Resp: 112037
Ion Ratio Lower Upper
152 100
150 162.8 127.4 191.0
115 60.3 49.5 74.3



#5
2-Fluorophenol
Concen: 11.120 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

Tgt Ion:112 Resp: 79610
Ion Ratio Lower Upper
112 100
64 57.4 47.2 70.8
63 26.4 24.4 36.6





#7

Phenol-d6

Concen: 12.021 ng

RT: 6.504 min Scan# 733

Delta R.T. 0.006 min

Lab File: BF144228.D

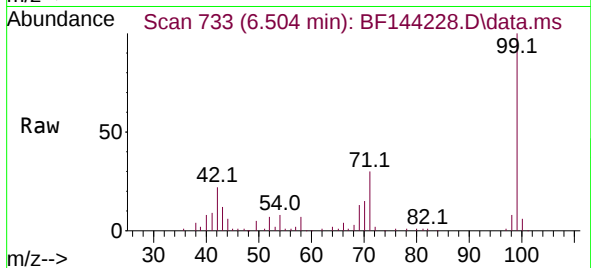
Acq: 12 Nov 2025 03:52

Instrument :

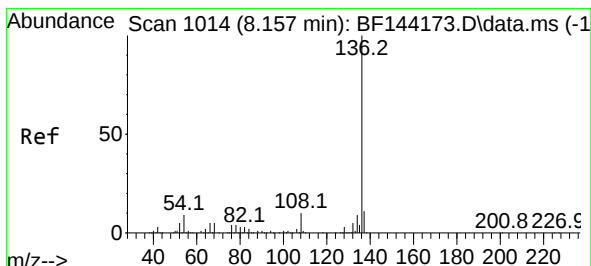
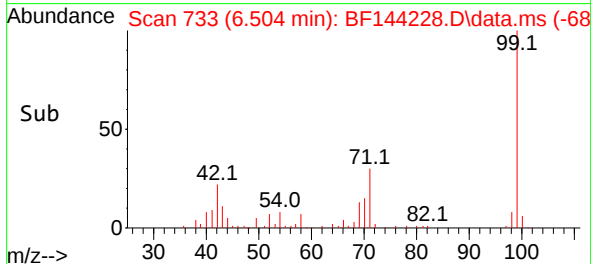
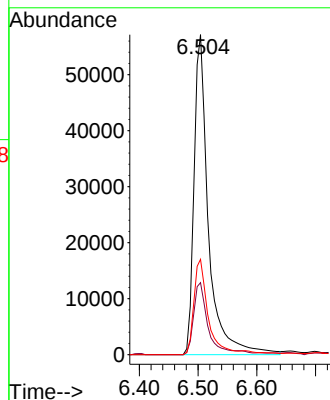
BNA_F

ClientSampleId :

B-LAW-25-0167-0175-COMP



Tgt Ion:	99	Resp:	97514
Ion Ratio	100	Lower	Upper
99	100		
42	22.5	20.9	31.3
71	29.8	31.4	47.2#



#21

Naphthalene-d8

Concen: 20.000 ng

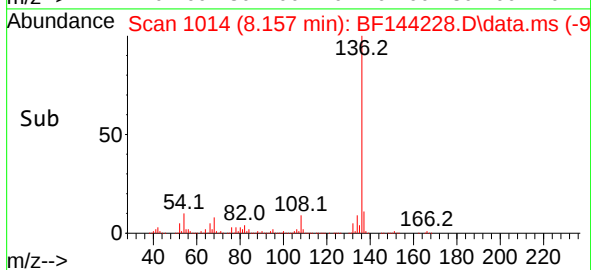
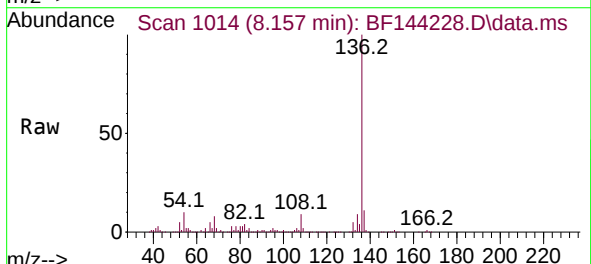
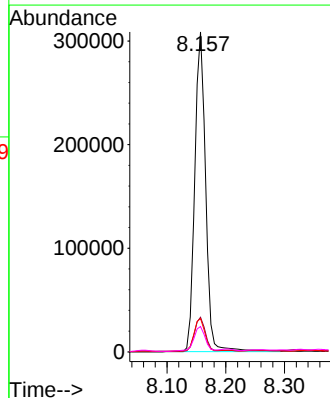
RT: 8.157 min Scan# 1014

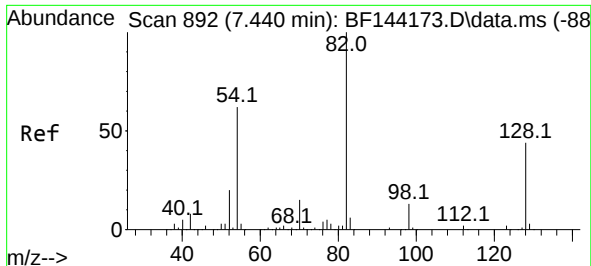
Delta R.T. -0.000 min

Lab File: BF144228.D

Acq: 12 Nov 2025 03:52

Tgt Ion:	136	Resp:	396457
Ion Ratio	100	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.4	7.0	10.6
68	8.0	4.3	6.5#





#23

Nitrobenzene-d5

Concen: 7.692 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.000 min

Lab File: BF144228.D

Acq: 12 Nov 2025 03:52

Instrument :

BNA_F

ClientSampleId :

B-LAW-25-0167-0175-COMP

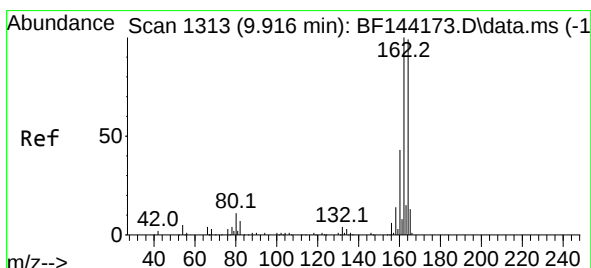
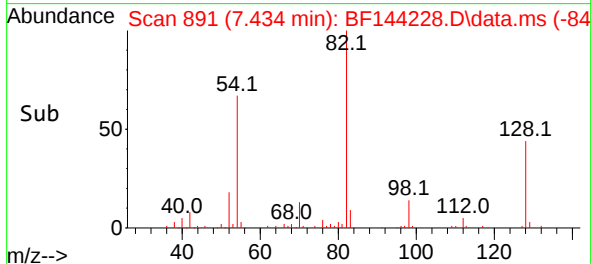
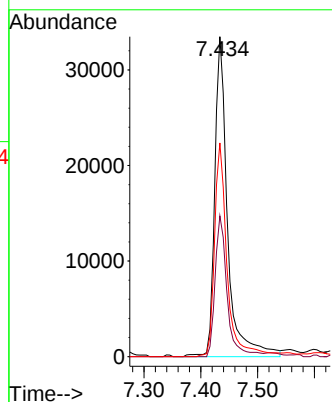
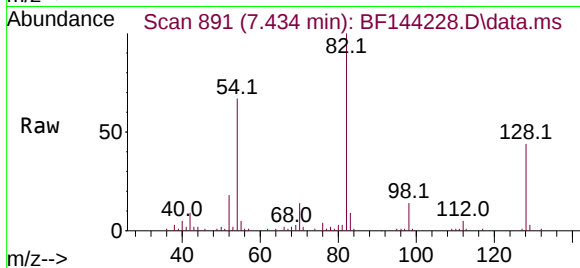
Tgt Ion: 82 Resp: 52800

Ion Ratio Lower Upper

82 100

128 44.0 34.7 52.1

54 66.8 49.5 74.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1315

Delta R.T. 0.012 min

Lab File: BF144228.D

Acq: 12 Nov 2025 03:52

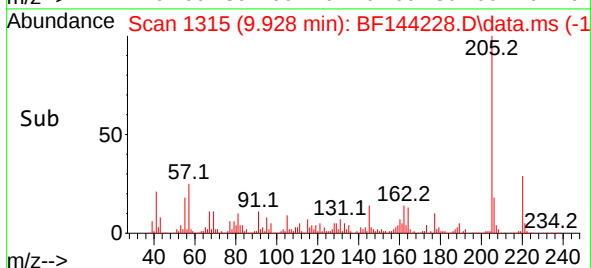
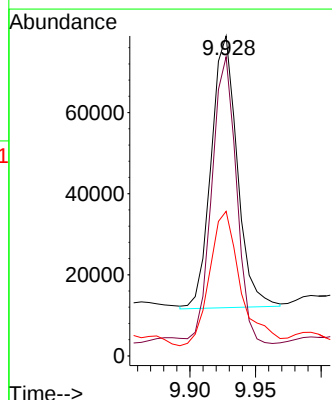
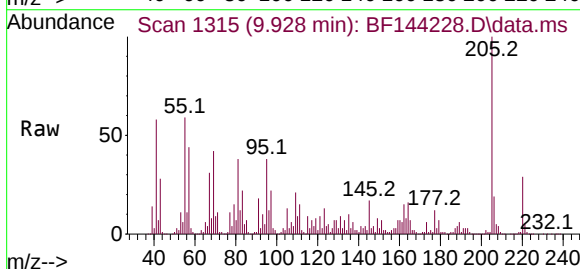
Tgt Ion:164 Resp: 92724

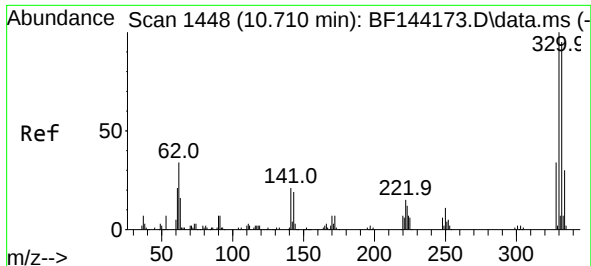
Ion Ratio Lower Upper

164 100

162 93.5 81.1 121.7

160 45.2 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 14.503 ng

RT: 10.733 min Scan# 1448

Delta R.T. 0.029 min

Lab File: BF144228.D

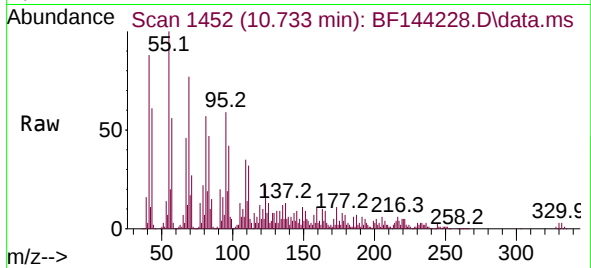
Acq: 12 Nov 2025 03:52

Instrument :

BNA_F

ClientSampleId :

B-LAW-25-0167-0175-COMP



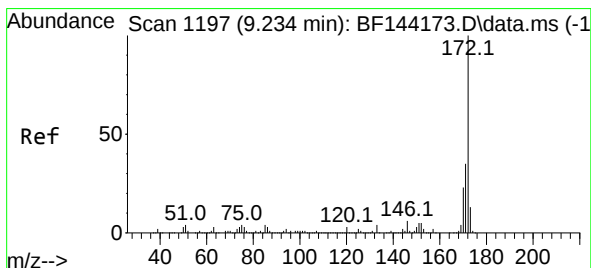
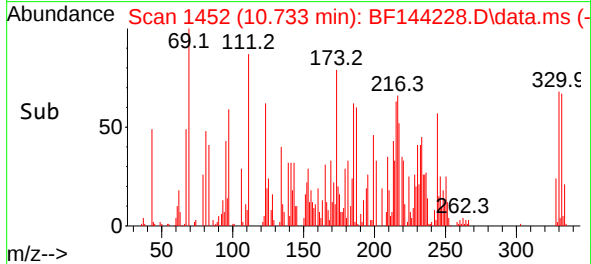
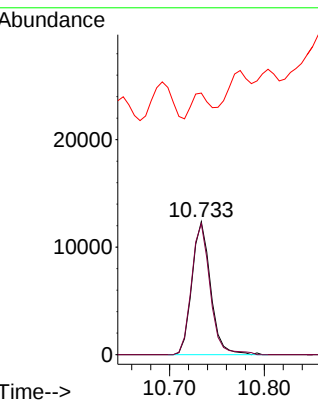
Tgt Ion: 330 Resp: 16875

Ion Ratio Lower Upper

330 100

332 98.5 76.7 115.1

141 17.6 17.8 26.8#



#45

2-Fluorobiphenyl

Concen: 16.330 ng

RT: 9.233 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BF144228.D

Acq: 12 Nov 2025 03:52

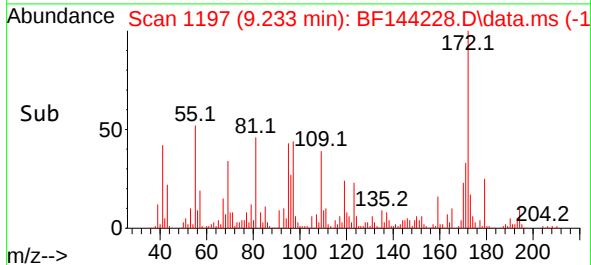
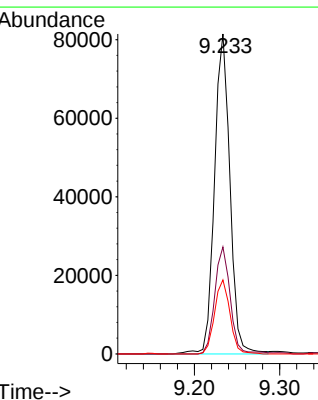
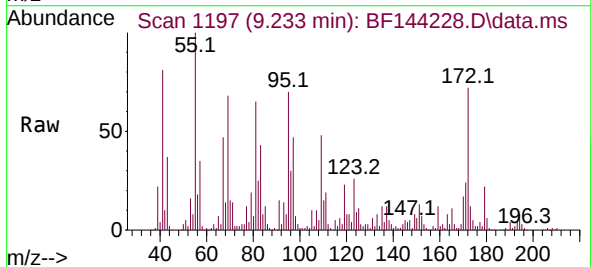
Tgt Ion: 172 Resp: 102520

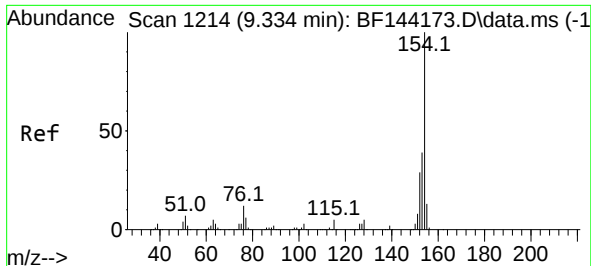
Ion Ratio Lower Upper

172 100

171 33.4 28.1 42.1

170 23.1 18.6 28.0





#46

1,1'-Biphenyl

Concen: 6.892 ng

RT: 9.339 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF144228.D

Acq: 12 Nov 2025 03:52

Instrument :

BNA_F

ClientSampleId :

B-LAW-25-0167-0175-COMP

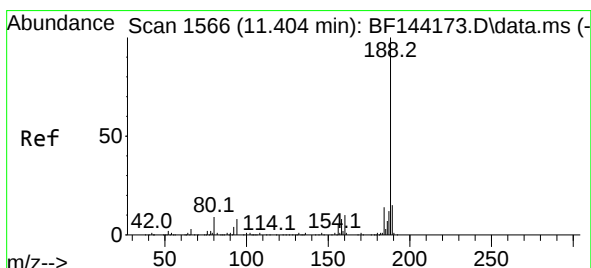
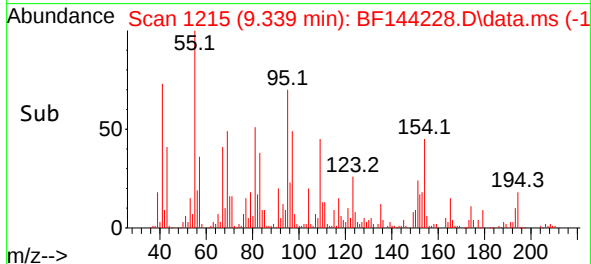
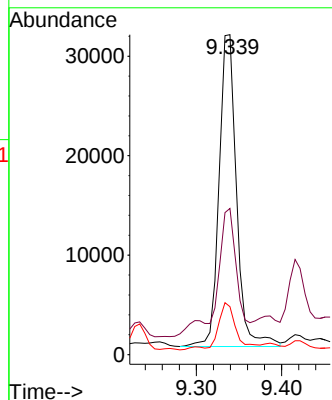
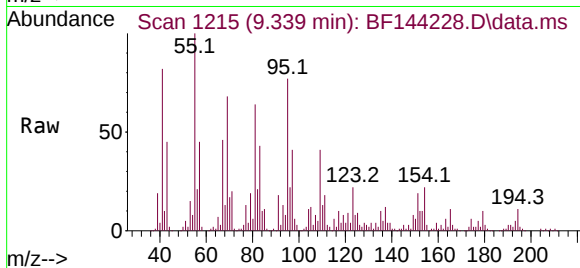
Tgt Ion:154 Resp: 44608

Ion Ratio Lower Upper

154 100

153 45.7 19.2 59.2

76 15.0 0.0 31.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.439 min Scan# 1572

Delta R.T. 0.035 min

Lab File: BF144228.D

Acq: 12 Nov 2025 03:52

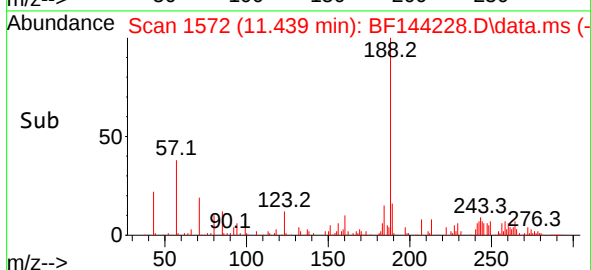
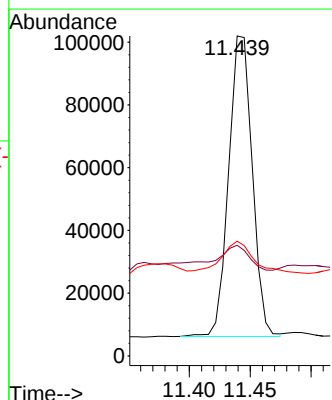
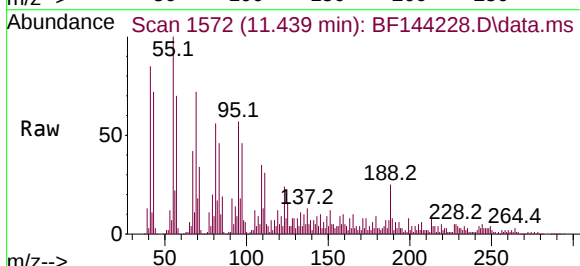
Tgt Ion:188 Resp: 129345

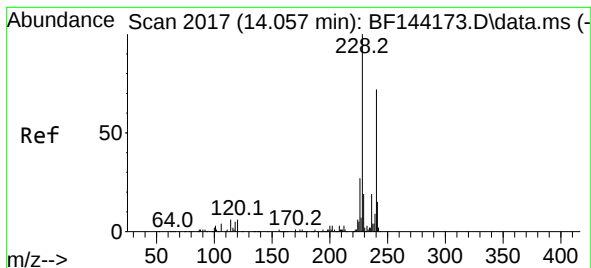
Ion Ratio Lower Upper

188 100

94 34.6 6.2 9.2#

80 35.8 6.9 10.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 20

Delta R.T. 0.023 min

Lab File: BF144228.D

Acq: 12 Nov 2025 03:52

Instrument :

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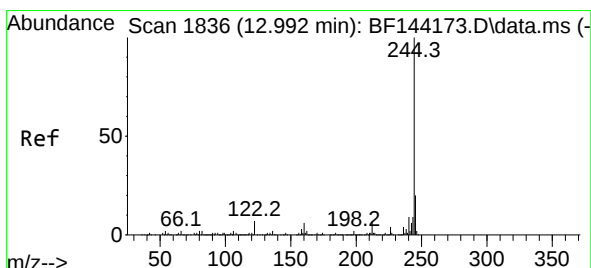
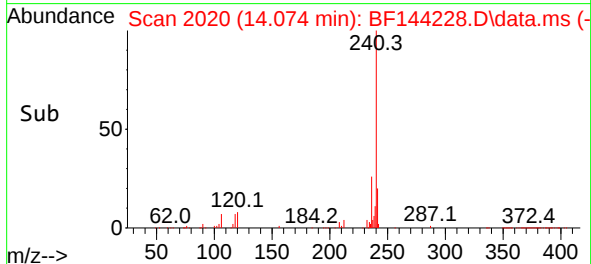
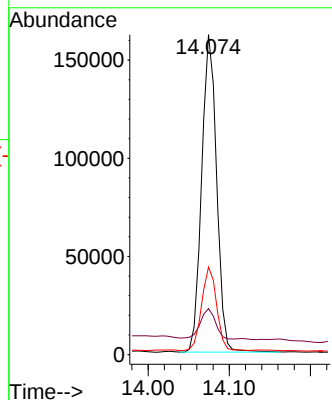
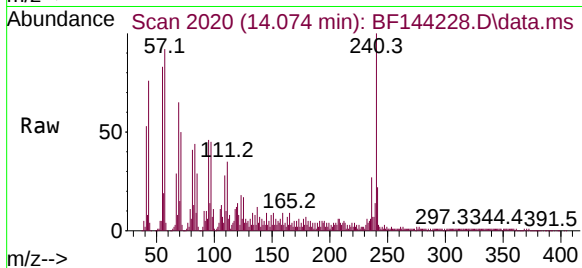
Tgt Ion:240 Resp: 207376

Ion Ratio Lower Upper

240 100

120 14.4 6.6 10.0#

236 27.4 21.4 32.2



#79

Terphenyl-d14

Concen: 5.528 ng

RT: 13.021 min Scan# 1841

Delta R.T. 0.029 min

Lab File: BF144228.D

Acq: 12 Nov 2025 03:52

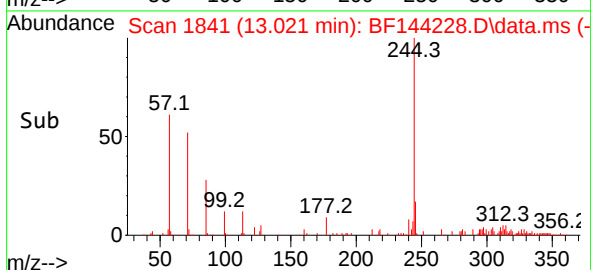
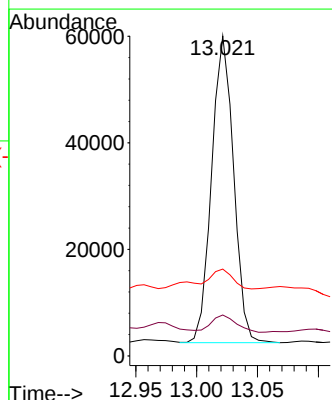
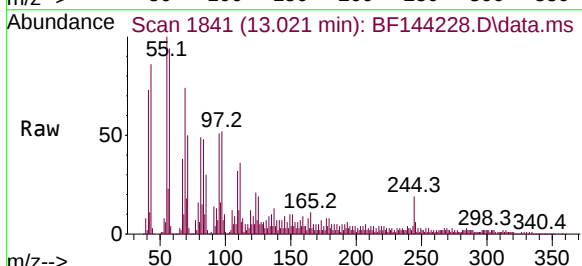
Tgt Ion:244 Resp: 72172

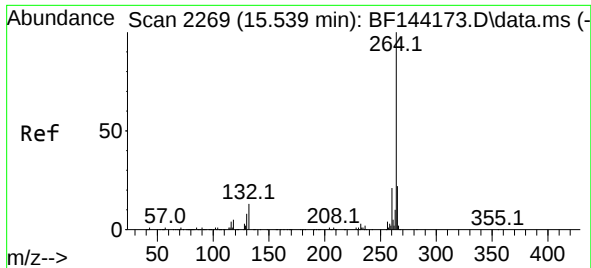
Ion Ratio Lower Upper

244 100

212 12.8 5.3 7.9#

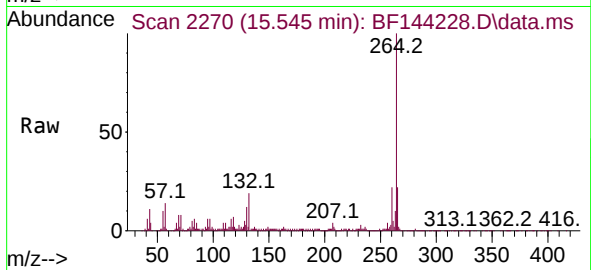
122 27.1 5.6 8.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF144228.D
Acq: 12 Nov 2025 03:52

Instrument :
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Tgt Ion:264 Resp: 217094
Ion Ratio Lower Upper
264 100
260 21.6 17.1 25.7
265 22.2 17.4 26.0

