

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
 Data File : BF141732.D
 Acq On : 21 Feb 2025 21:12
 Operator : RC/JU
 Sample : Q1395-01 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BEL-25-0005

Quant Time: Feb 21 21:52:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

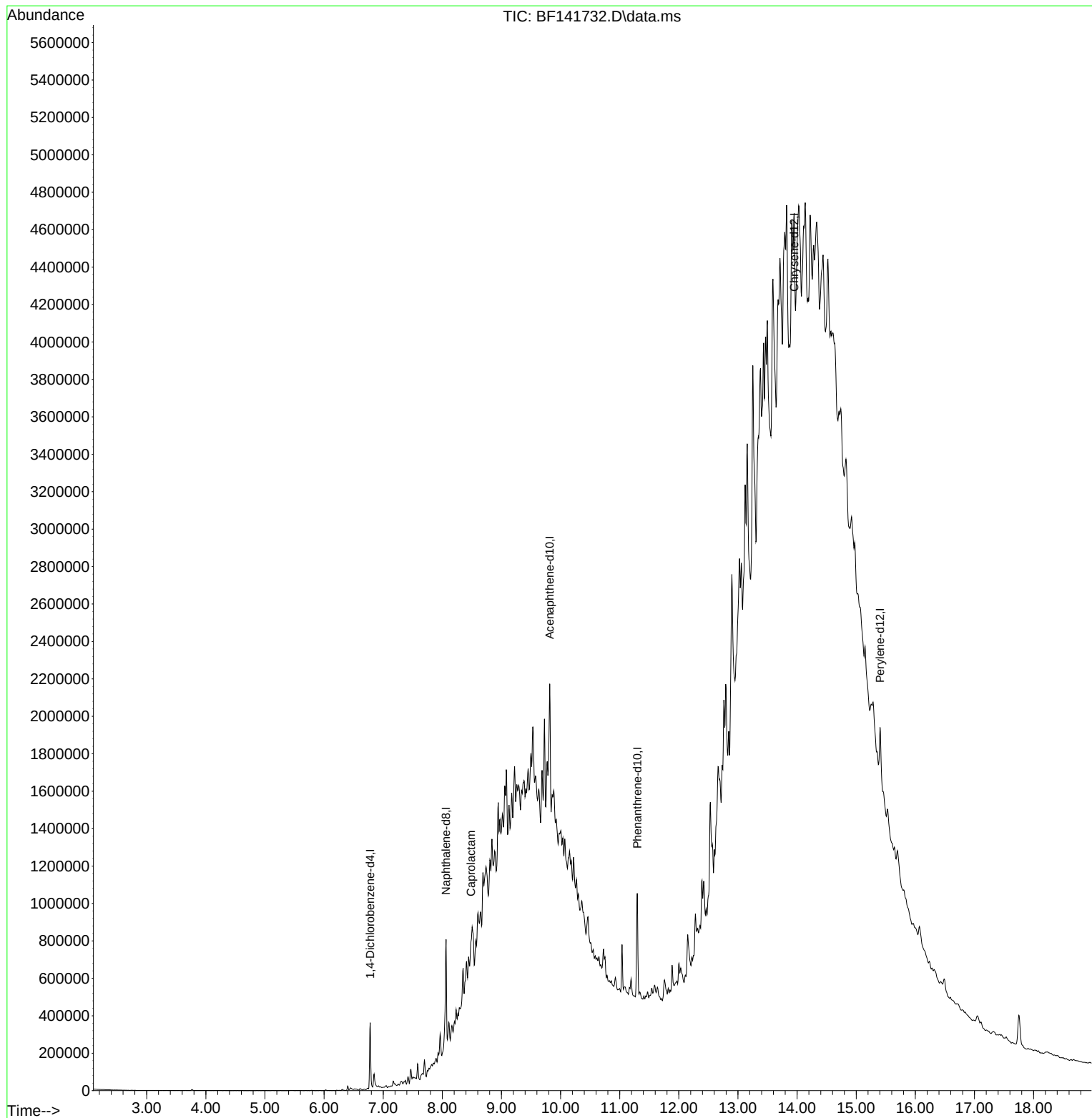
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	82339	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	332621	20.000	ng	#-0.01
39) Acenaphthene-d10	9.816	164	162636	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	252591	20.000	ng	-0.02
76) Chrysene-d12	13.951	240	150059	20.000	ng	#-0.01
86) Perylene-d12	15.404	264	130438	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1599	0.304	ng	0.02
7) Phenol-d6	6.445	99	6700	1.009	ng	0.00
23) Nitrobenzene-d5	7.351	82	3669	0.575	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	1659	1.015	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	17733	1.680	ng	-0.01
79) Terphenyl-d14	12.886	244	16232	1.826	ng	-0.02
Target Compounds						
35) Caprolactam	8.486	113	4524	3.043	ng	Qvalue # 1

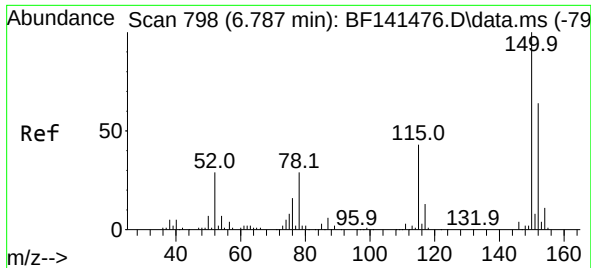
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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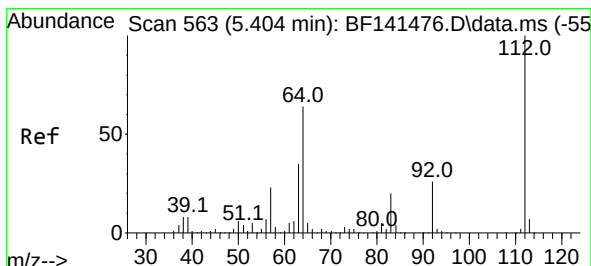
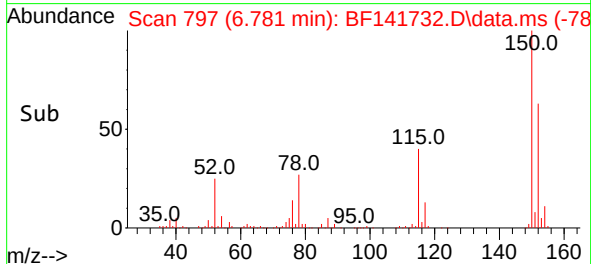
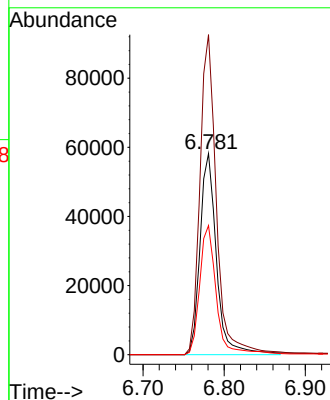
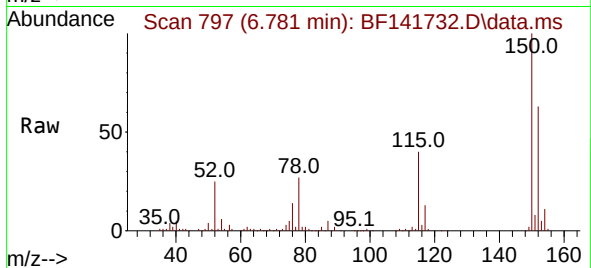




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141732.D
 Acq: 21 Feb 2025 21:12

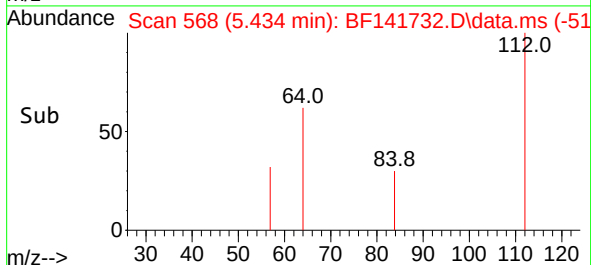
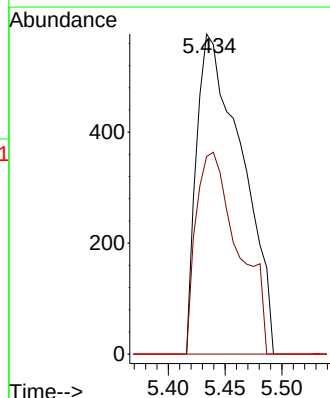
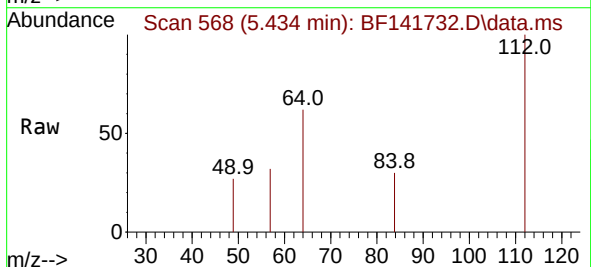
Instrument :
 BNA_F
 ClientSampleId :
 BEL-25-0005

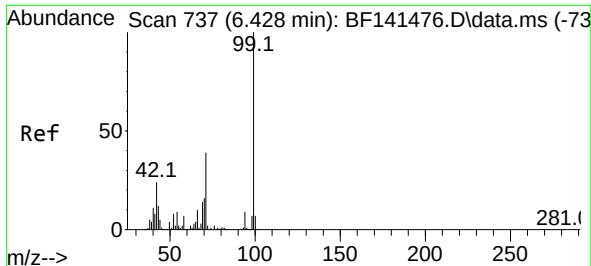
Tgt Ion:152 Resp: 82339
 Ion Ratio Lower Upper
 152 100
 150 159.2 125.0 187.4
 115 64.2 53.6 80.4



#5
 2-Fluorophenol
 Concen: 0.304 ng
 RT: 5.434 min Scan# 568
 Delta R.T. 0.024 min
 Lab File: BF141732.D
 Acq: 21 Feb 2025 21:12

Tgt Ion:112 Resp: 1599
 Ion Ratio Lower Upper
 112 100
 64 61.7 51.1 76.7
 63 0.0 28.4 42.6#

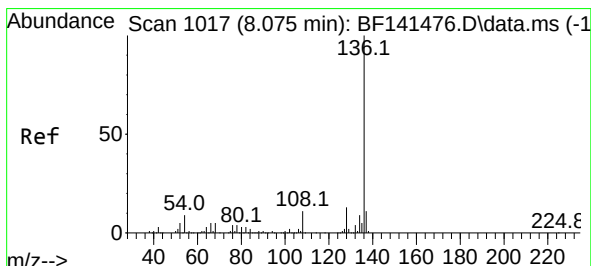
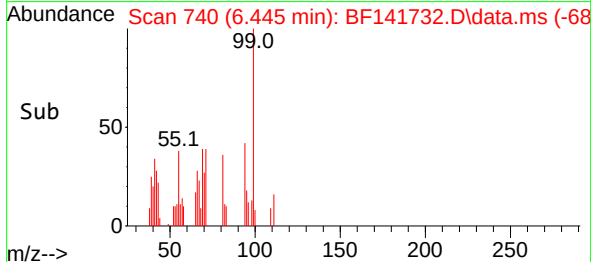
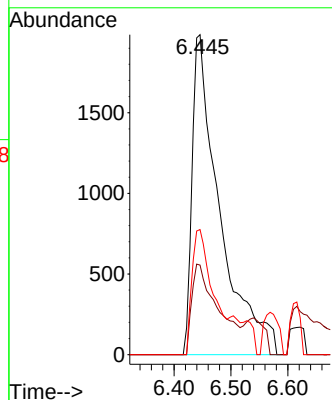
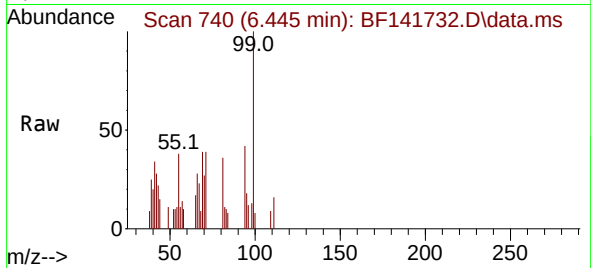




#7
Phenol-d6
Concen: 1.009 ng
RT: 6.445 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF141732.D
Acq: 21 Feb 2025 21:12

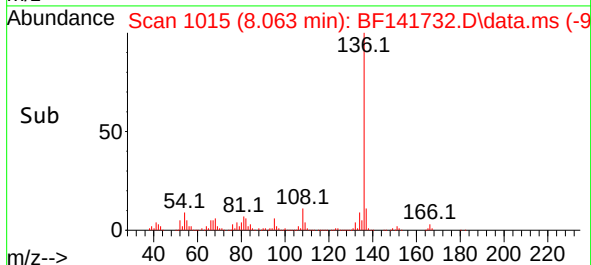
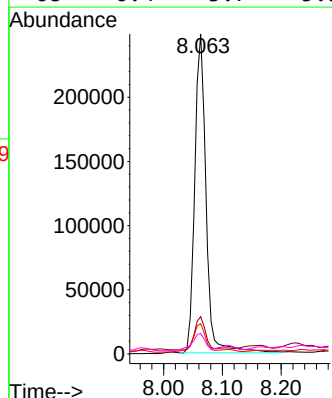
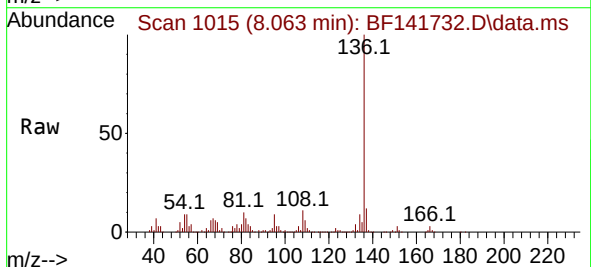
Instrument :
BNA_F
ClientSampleId :
BEL-25-0005

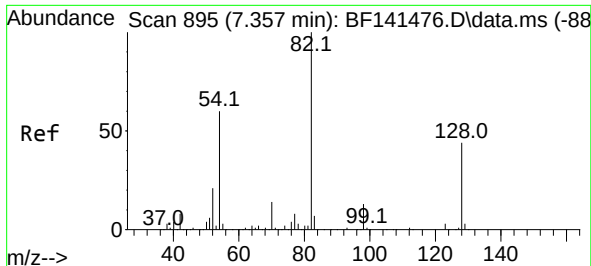
Tgt Ion: 99 Resp: 6700
Ion Ratio Lower Upper
99 100
42 28.0 19.1 28.7
71 39.1 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141732.D
Acq: 21 Feb 2025 21:12

Tgt Ion: 136 Resp: 332621
Ion Ratio Lower Upper
136 100
137 11.7 8.6 13.0
54 9.4 7.2 10.8
68 6.4 3.7 5.5#





#23

Nitrobenzene-d5

Concen: 0.575 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141732.D

Acq: 21 Feb 2025 21:12

Instrument :

BNA_F

ClientSampleId :

BEL-25-0005

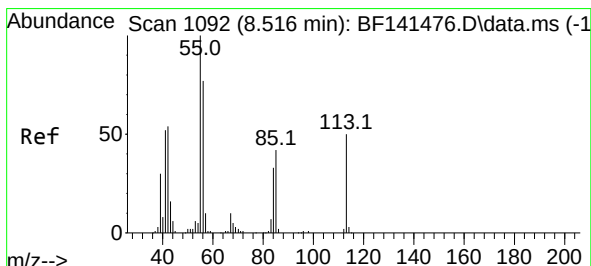
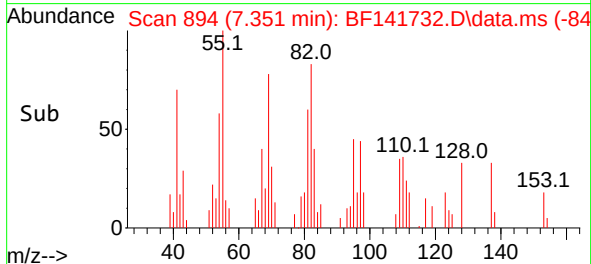
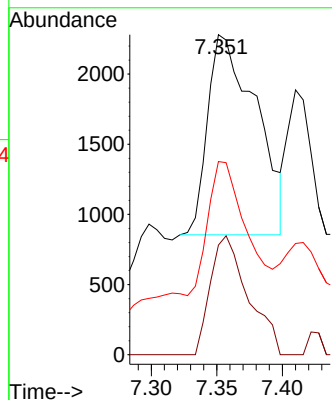
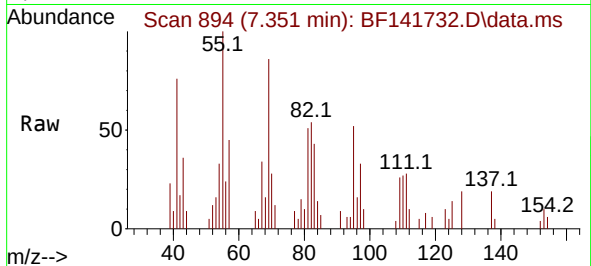
Tgt Ion: 82 Resp: 3669

Ion Ratio Lower Upper

82 100

128 34.2 34.8 52.2#

54 60.4 48.2 72.4



#35

Caprolactam

Concen: 3.043 ng

RT: 8.486 min Scan# 1087

Delta R.T. -0.059 min

Lab File: BF141732.D

Acq: 21 Feb 2025 21:12

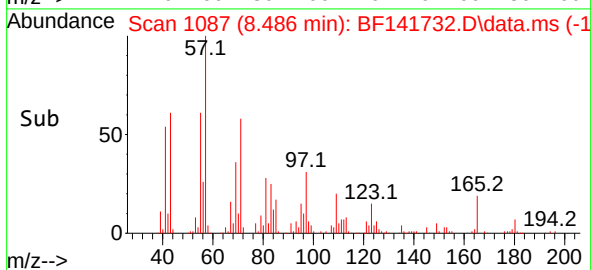
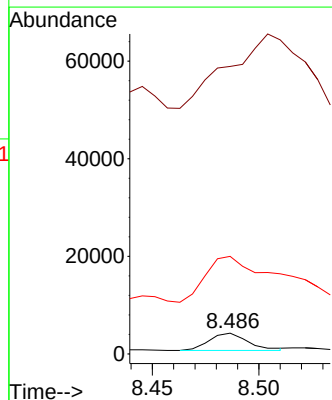
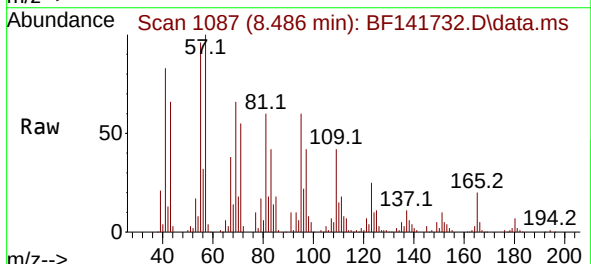
Tgt Ion: 113 Resp: 4524

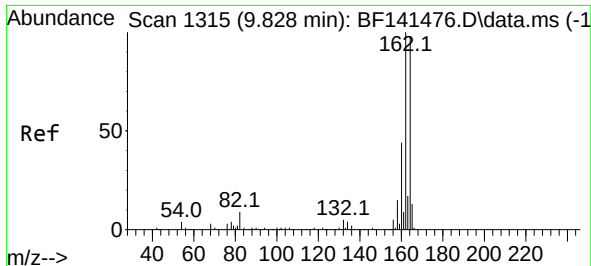
Ion Ratio Lower Upper

113 100

55 1376.6 180.8 220.8#

56 467.5 133.6 173.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141732.D

Acq: 21 Feb 2025 21:12

Instrument :

BNA_F

ClientSampleId :

BEL-25-0005

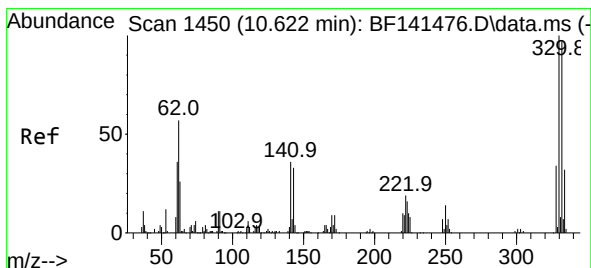
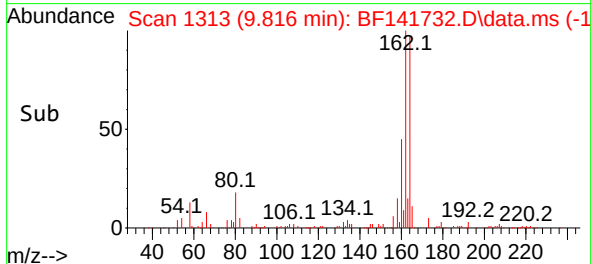
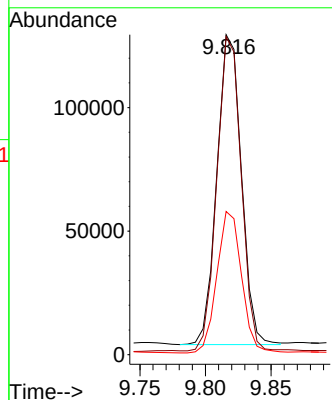
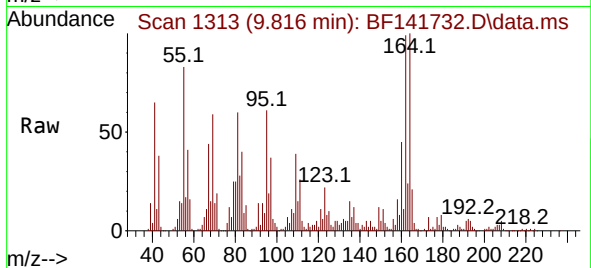
Tgt Ion:164 Resp: 162636

Ion Ratio Lower Upper

164 100

162 99.4 81.3 121.9

160 44.7 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 1.015 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.018 min

Lab File: BF141732.D

Acq: 21 Feb 2025 21:12

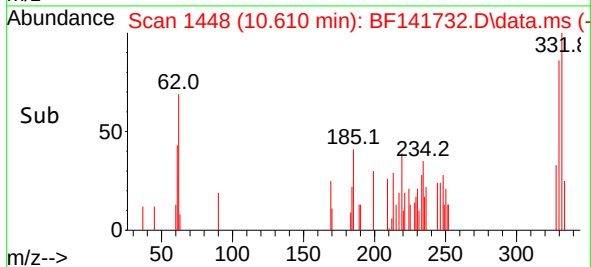
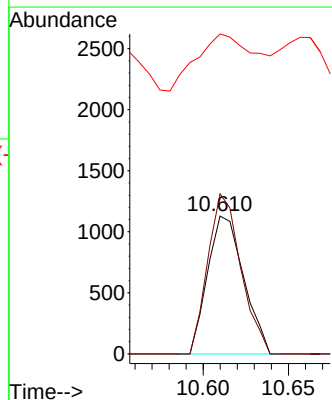
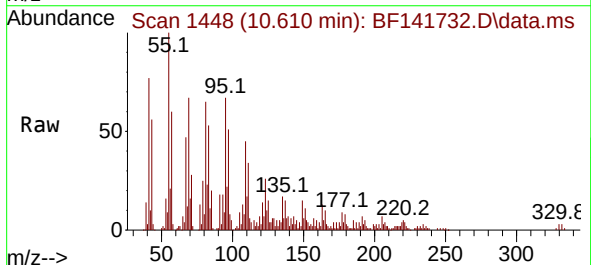
Tgt Ion:330 Resp: 1659

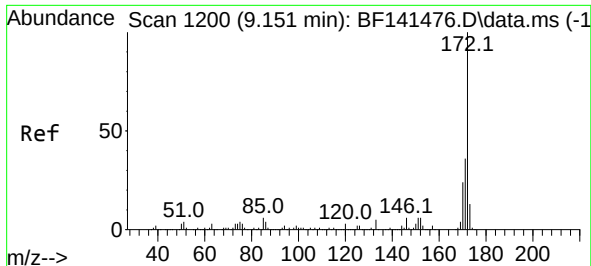
Ion Ratio Lower Upper

330 100

332 106.5 78.5 117.7

141 68.6 31.0 46.4#

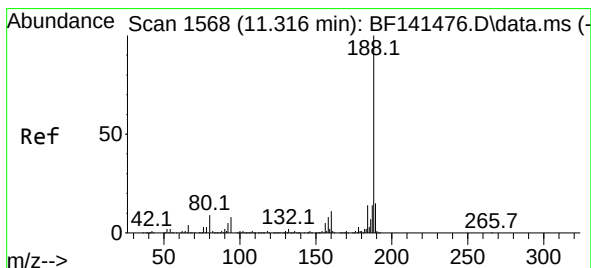
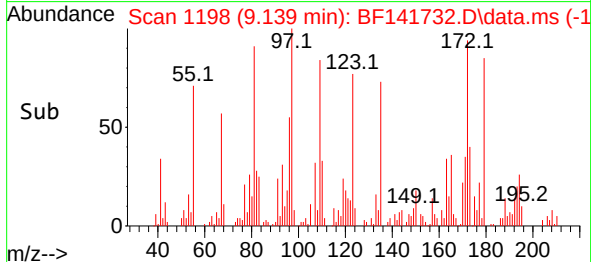
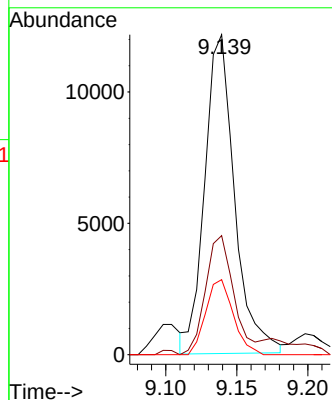
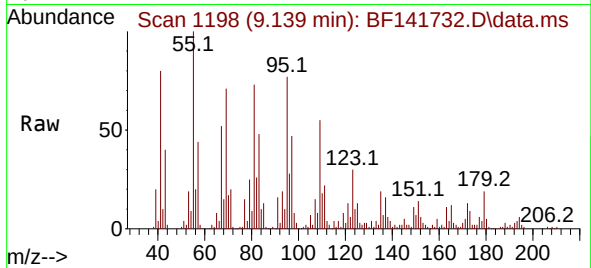




#45
2-Fluorobiphenyl
Concen: 1.680 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141732.D
Acq: 21 Feb 2025 21:12

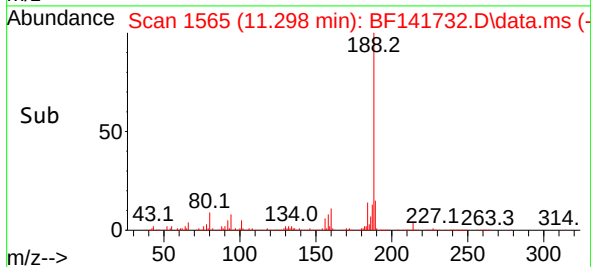
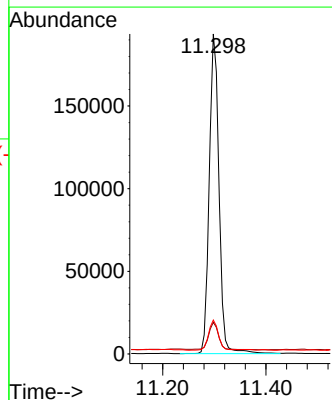
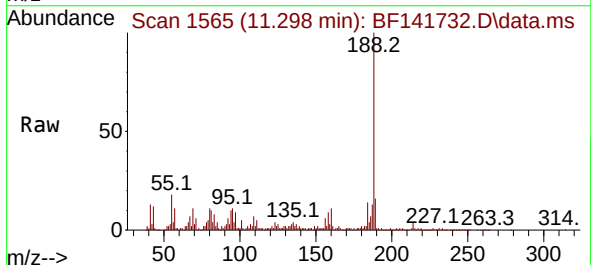
Instrument :
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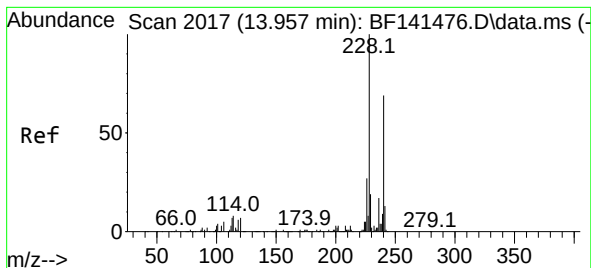
Tgt Ion:172 Resp: 17733
Ion Ratio Lower Upper
172 100
171 37.2 28.7 43.1
170 23.5 18.9 28.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.018 min
Lab File: BF141732.D
Acq: 21 Feb 2025 21:12

Tgt Ion:188 Resp: 252591
Ion Ratio Lower Upper
188 100
94 9.9 6.6 10.0
80 10.6 7.3 10.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141732.D

Acq: 21 Feb 2025 21:12

Instrument :

BNA_F

ClientSampleId :

BEL-25-0005

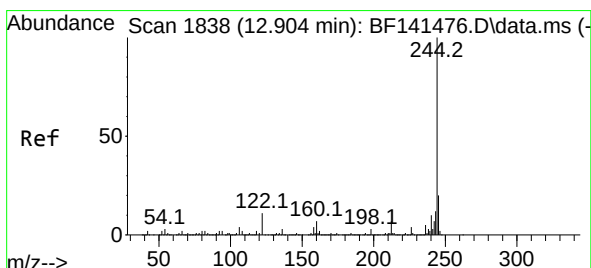
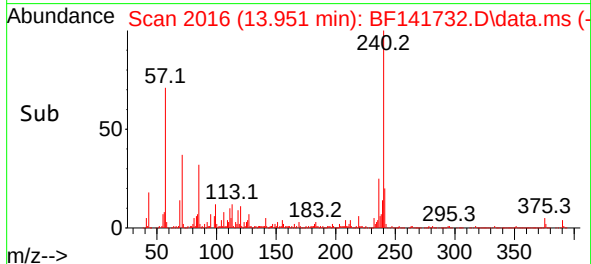
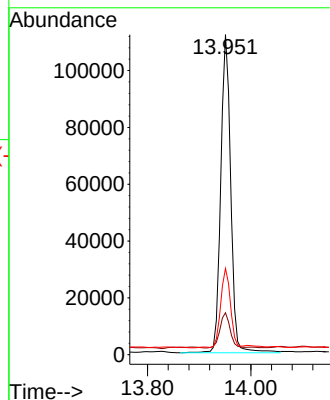
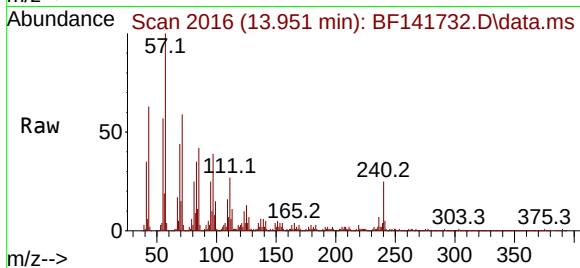
Tgt Ion:240 Resp: 150059

Ion Ratio Lower Upper

240 100

120 13.1 8.0 12.0#

236 27.0 19.8 29.8



#79

Terphenyl-d14

Concen: 1.826 ng

RT: 12.886 min Scan# 1835

Delta R.T. -0.018 min

Lab File: BF141732.D

Acq: 21 Feb 2025 21:12

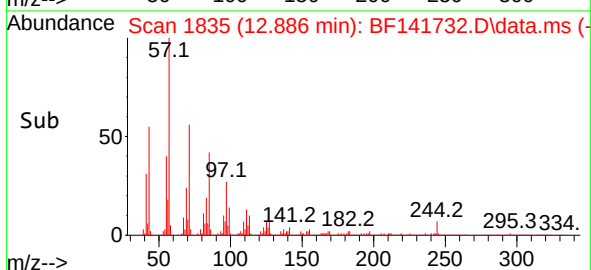
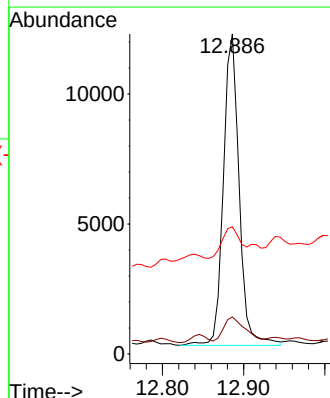
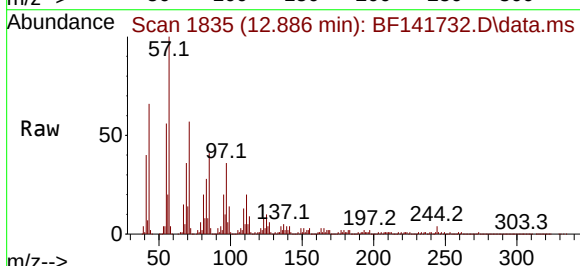
Tgt Ion:244 Resp: 16232

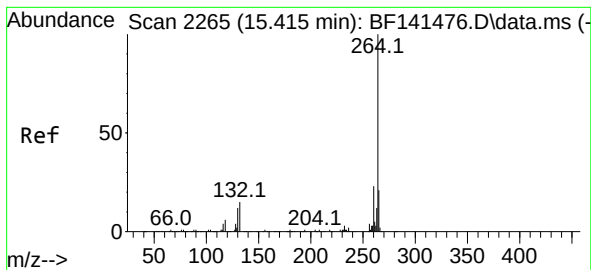
Ion Ratio Lower Upper

244 100

212 11.5 5.6 8.4#

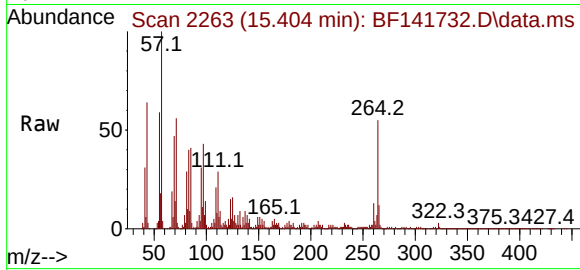
122 39.7 8.4 12.6#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.404 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF141732.D
 Acq: 21 Feb 2025 21:12

Instrument :
 BNA_F
 ClientSampleId :
 BEL-25-0005



Tgt Ion:264 Resp: 130438
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 22.6 17.0 25.4

