

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102824\
 Data File : BF140095.D
 Acq On : 28 Oct 2024 18:59
 Operator : RC/JU
 Sample : P4574-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-2

Quant Time: Oct 29 00:55:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

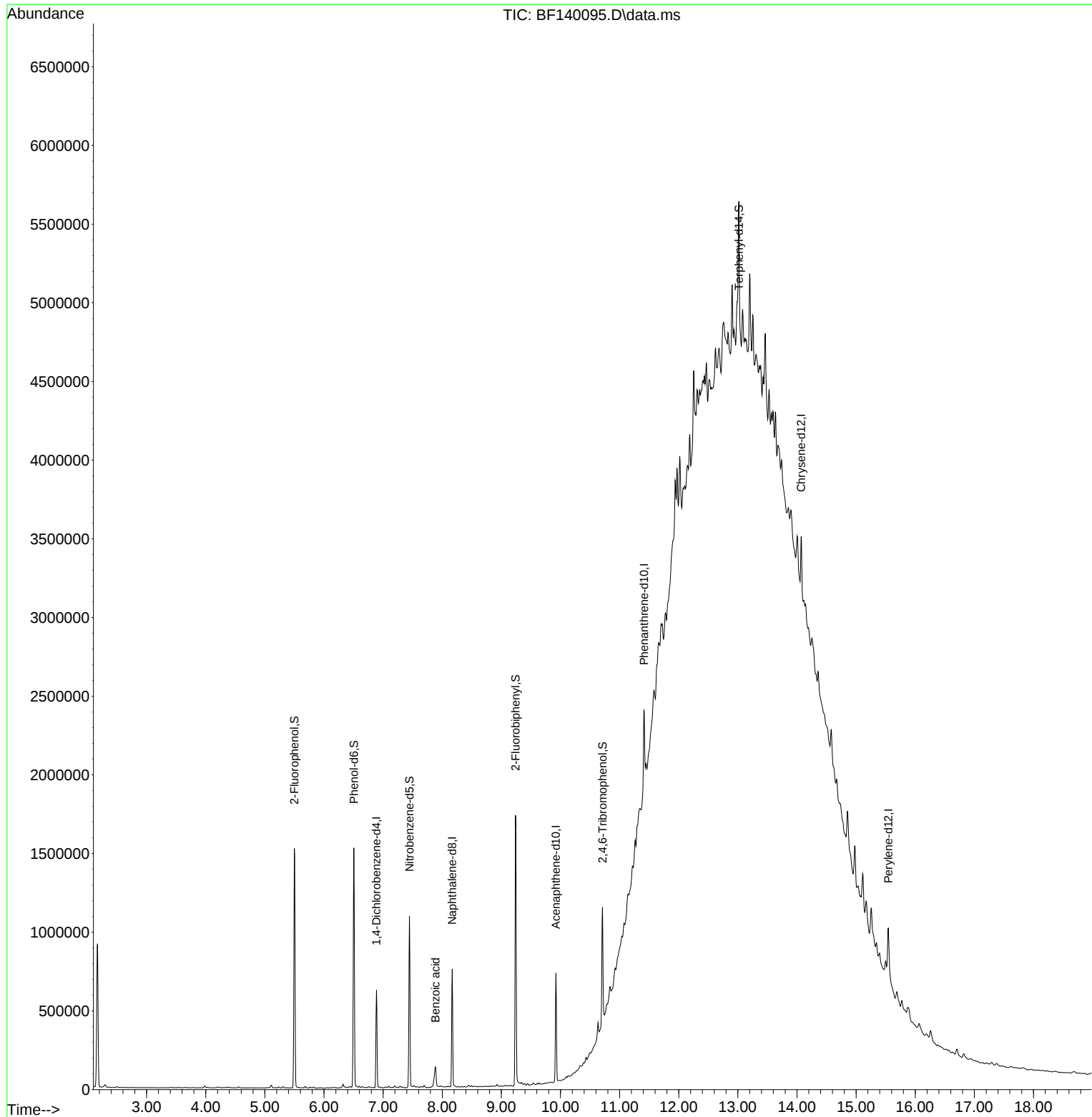
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	121315	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	437968	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	202704	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	274935	20.000	ng	# 0.00
76) Chrysene-d12	14.069	240	211748	20.000	ng	# 0.02
86) Perylene-d12	15.545	264	189769	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	563357	72.697	ng	0.00
7) Phenol-d6	6.504	99	701839	69.928	ng	0.00
23) Nitrobenzene-d5	7.445	82	464997	58.844	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	136178	71.823	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	797003	64.982	ng	-0.01
79) Terphenyl-d14	13.016	244	579416	44.588	ng	0.02
Target Compounds						
32) Benzoic acid	7.887	122	58444	12.295	ng	Qvalue 97

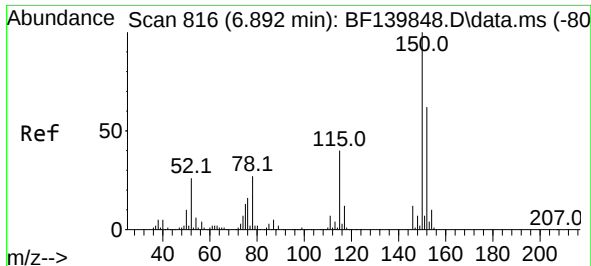
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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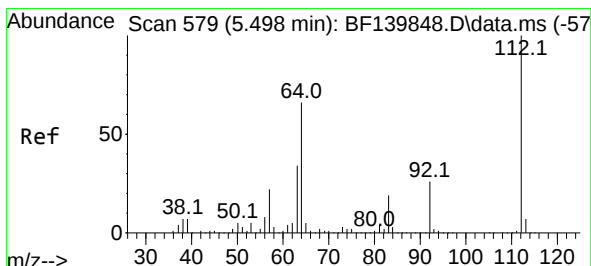
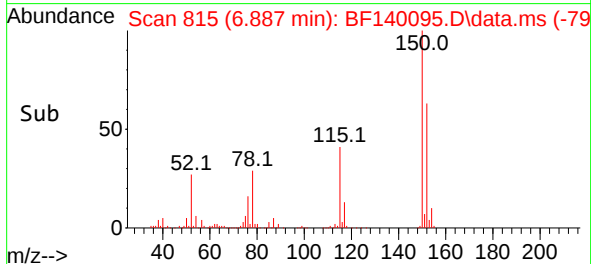
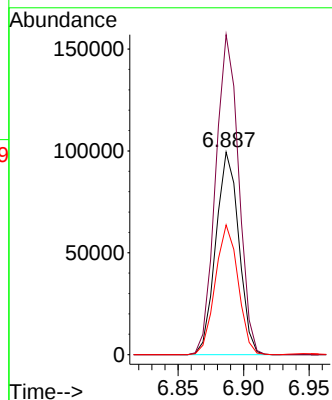
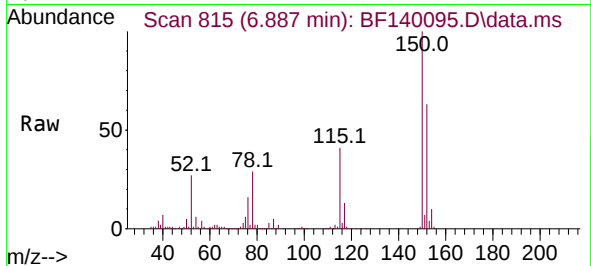




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140095.D
Acq: 28 Oct 2024 18:59

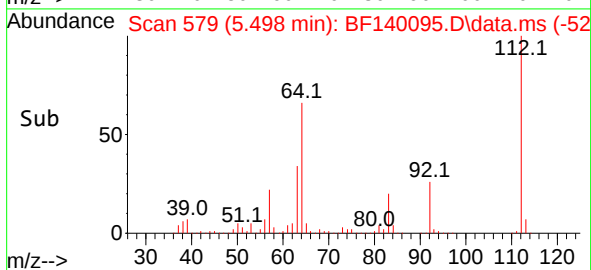
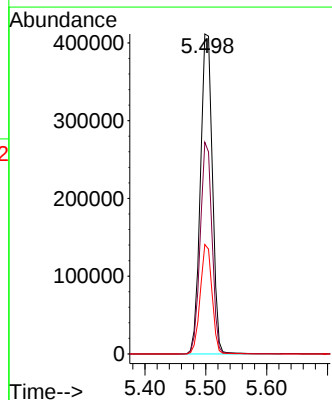
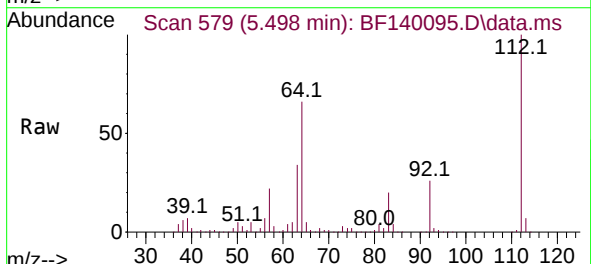
Instrument :
BNA_F
ClientSampleId :
GRAVEL-2

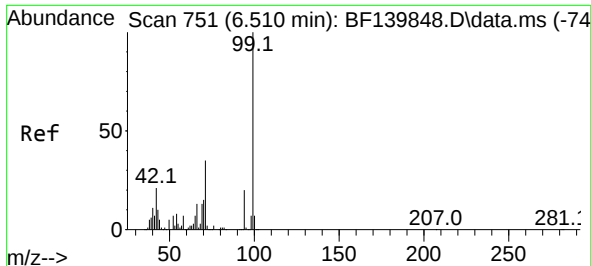
Tgt Ion:152 Resp: 121315
Ion Ratio Lower Upper
152 100
150 158.0 130.2 195.2
115 64.1 51.4 77.2



#5
2-Fluorophenol
Concen: 72.697 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140095.D
Acq: 28 Oct 2024 18:59

Tgt Ion:112 Resp: 563357
Ion Ratio Lower Upper
112 100
64 66.1 53.0 79.6
63 34.2 27.0 40.4





#7

Phenol-d6

Concen: 69.928 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140095.D

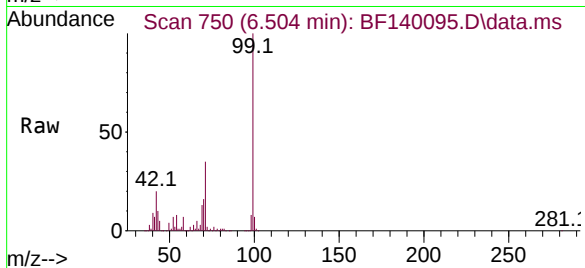
Acq: 28 Oct 2024 18:59

Instrument :

BNA_F

ClientSampleId :

GRAVEL-2



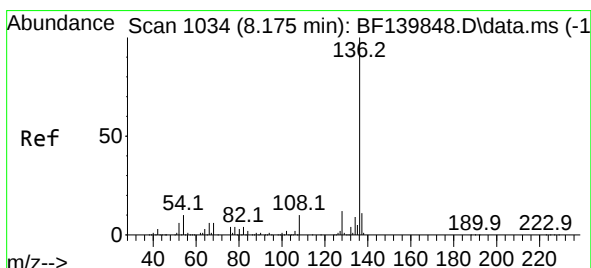
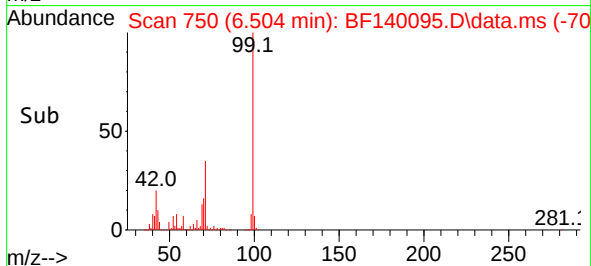
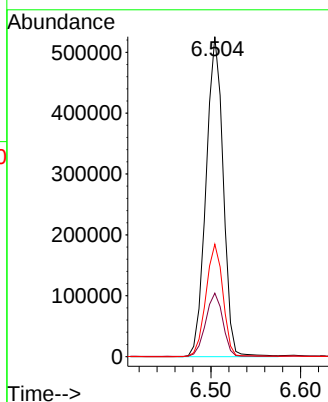
Tgt Ion: 99 Resp: 701839

Ion Ratio Lower Upper

99 100

42 19.8 16.7 25.1

71 35.1 27.7 41.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF140095.D

Acq: 28 Oct 2024 18:59

Tgt Ion:136 Resp: 437968

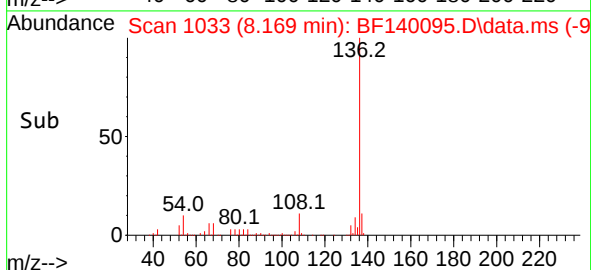
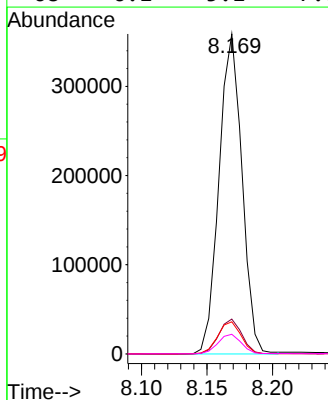
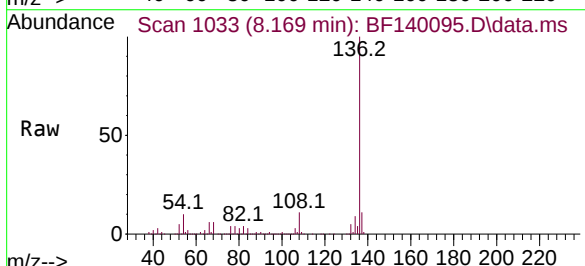
Ion Ratio Lower Upper

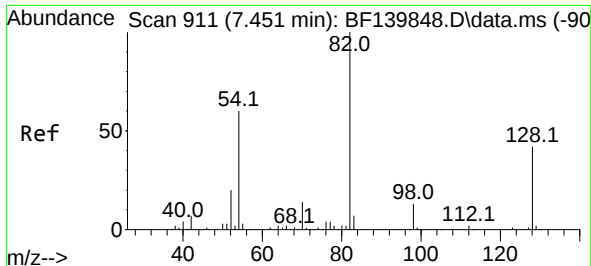
136 100

137 10.9 8.6 12.8

54 10.0 8.4 12.6

68 6.1 5.1 7.7

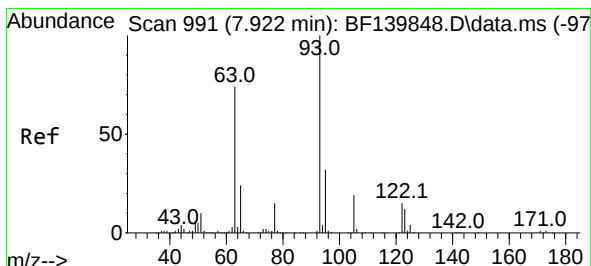
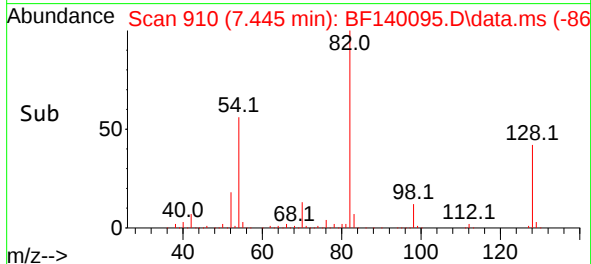
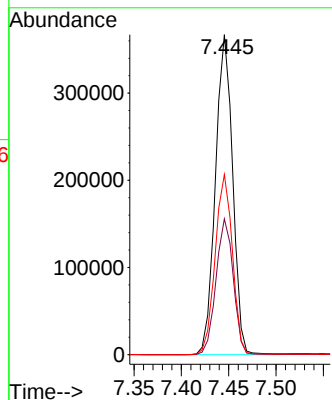
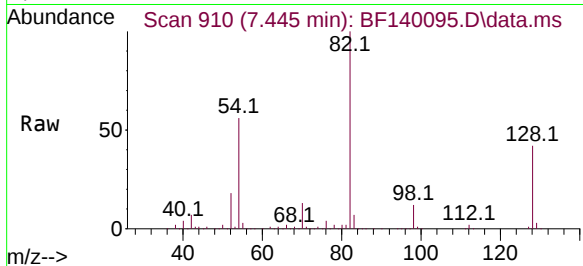




#23
Nitrobenzene-d5
Concen: 58.844 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF140095.D
Acq: 28 Oct 2024 18:59

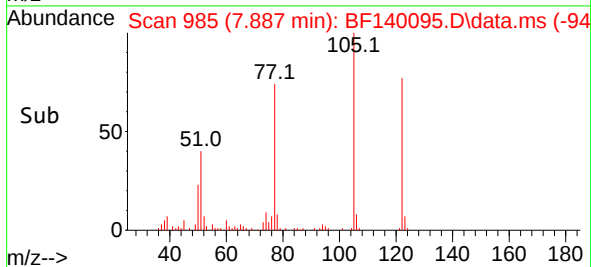
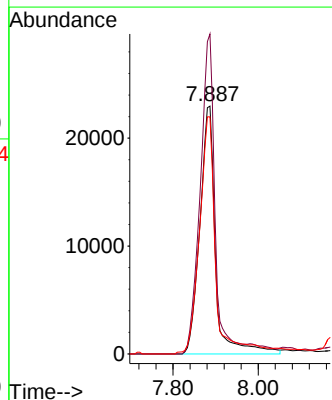
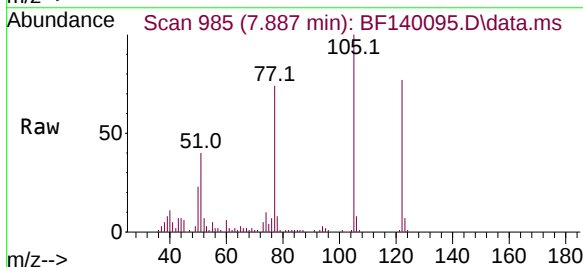
Instrument :
BNA_F
ClientSampleId :
GRAVEL-2

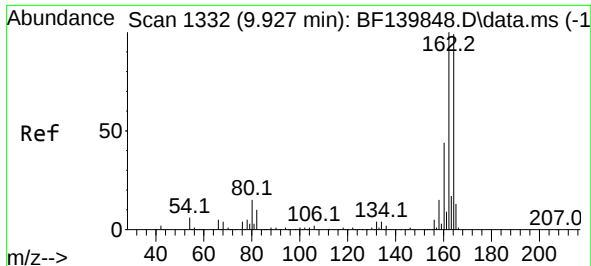
Tgt Ion: 82 Resp: 464997
Ion Ratio Lower Upper
82 100
128 42.4 33.4 50.0
54 56.3 47.8 71.8



#32
Benzoic acid
Concen: 12.295 ng
RT: 7.887 min Scan# 985
Delta R.T. -0.035 min
Lab File: BF140095.D
Acq: 28 Oct 2024 18:59

Tgt Ion:122 Resp: 58444
Ion Ratio Lower Upper
122 100
105 129.1 107.6 147.6
77 95.7 80.2 120.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1332

Delta R.T. -0.005 min

Lab File: BF140095.D

Acq: 28 Oct 2024 18:59

Instrument :

BNA_F

ClientSampleId :

GRAVEL-2

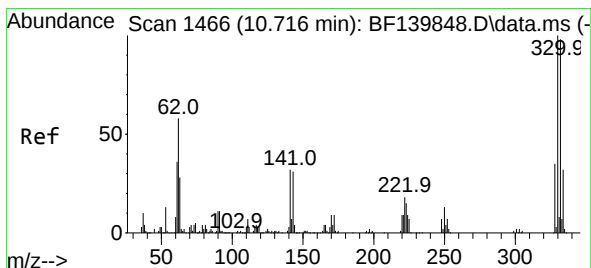
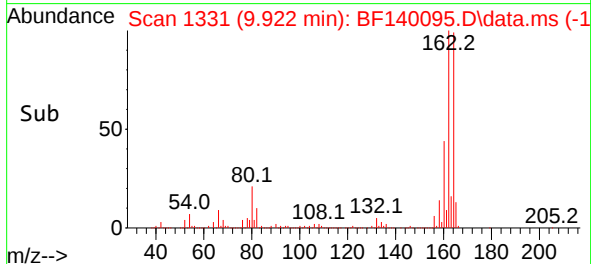
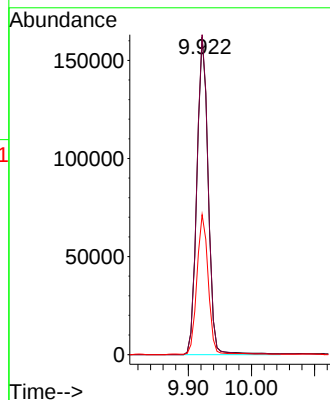
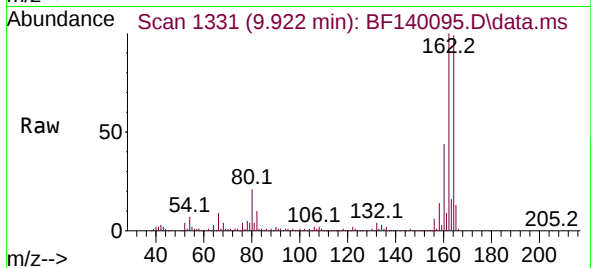
Tgt Ion:164 Resp: 202704

Ion Ratio Lower Upper

164 100

162 100.8 81.0 121.4

160 44.1 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 71.823 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF140095.D

Acq: 28 Oct 2024 18:59

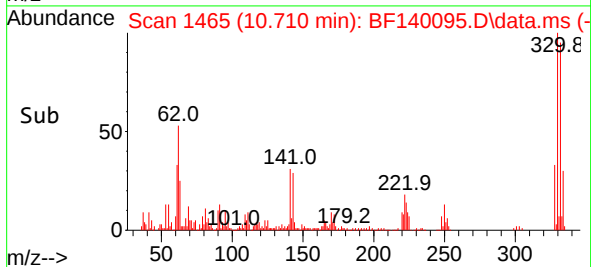
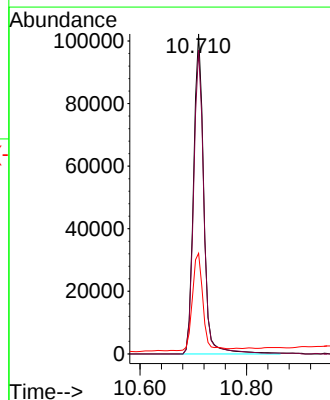
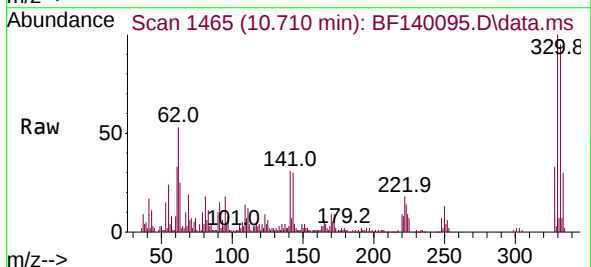
Tgt Ion:330 Resp: 136178

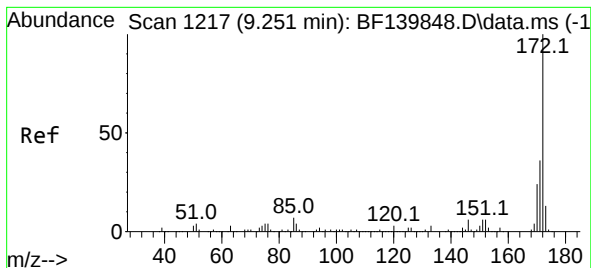
Ion Ratio Lower Upper

330 100

332 95.2 78.1 117.1

141 31.4 26.6 39.8





#45

2-Fluorobiphenyl

Concen: 64.982 ng

RT: 9.239 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140095.D

Acq: 28 Oct 2024 18:59

Instrument :

BNA_F

ClientSampleId :

GRAVEL-2

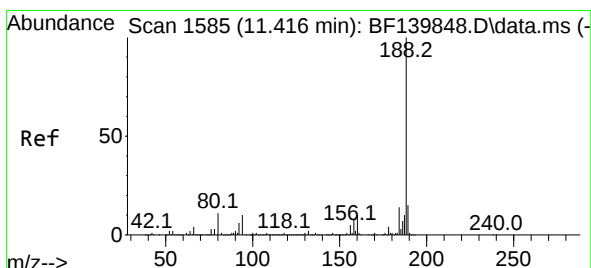
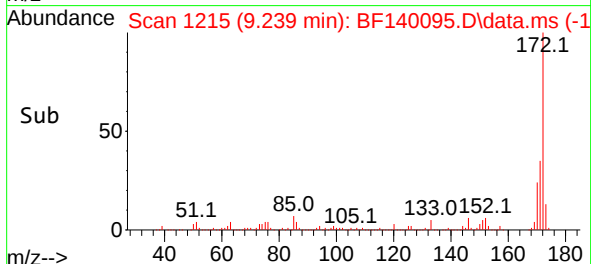
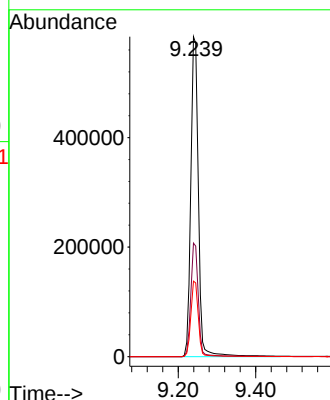
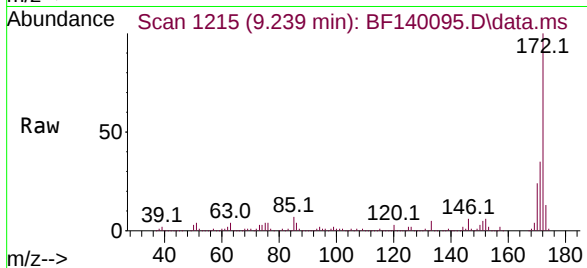
Tgt Ion:172 Resp: 797003

Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 23.6 19.1 28.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF140095.D

Acq: 28 Oct 2024 18:59

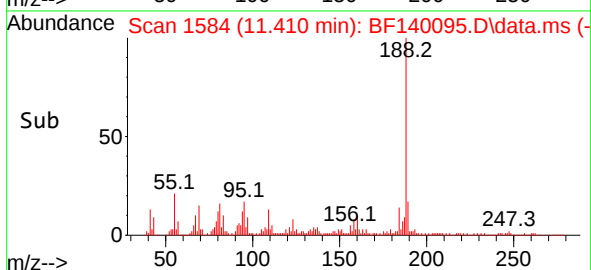
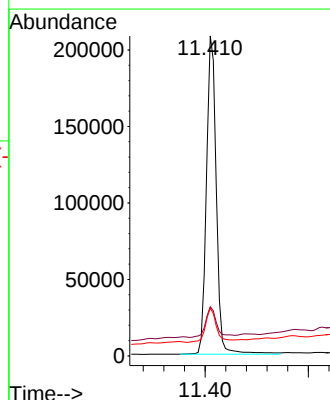
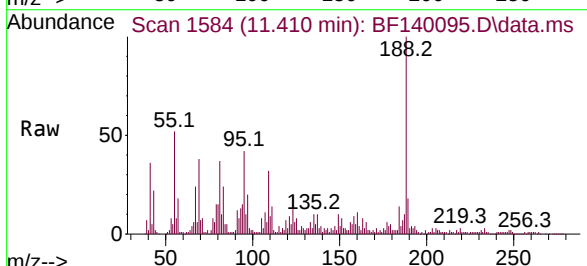
Tgt Ion:188 Resp: 274935

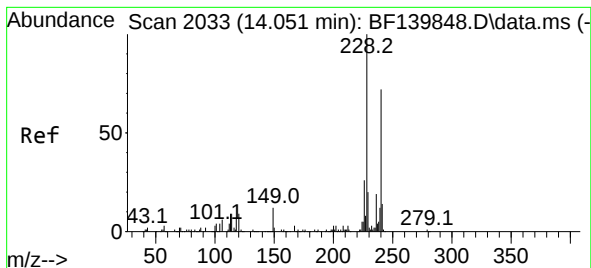
Ion Ratio Lower Upper

188 100

94 15.4 7.9 11.9#

80 14.9 9.0 13.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 2033

Delta R.T. 0.018 min

Lab File: BF140095.D

Acq: 28 Oct 2024 18:59

Instrument :

BNA_F

ClientSampleId :

GRAVEL-2

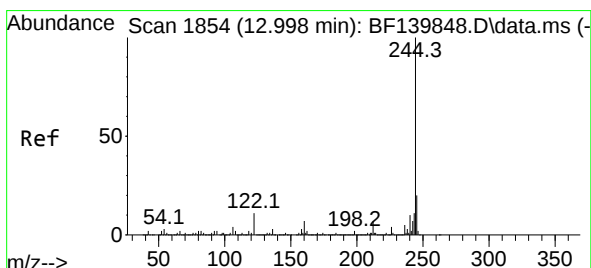
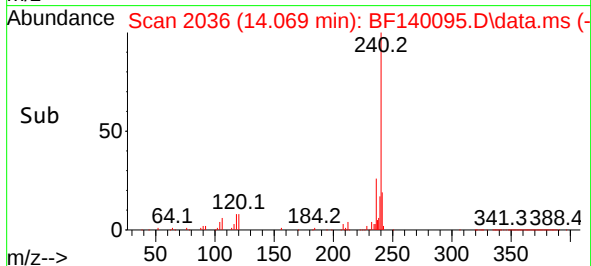
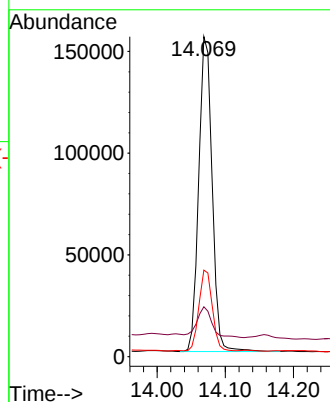
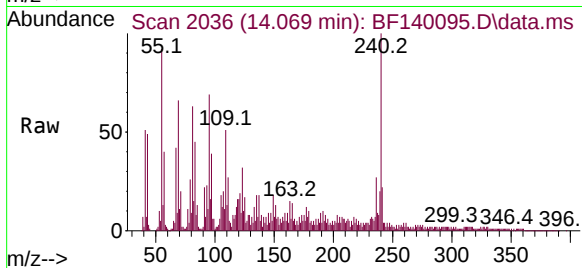
Tgt Ion:240 Resp: 211748

Ion Ratio Lower Upper

240 100

120 15.6 9.4 14.2#

236 27.0 20.9 31.3



#79

Terphenyl-d14

Concen: 44.588 ng

RT: 13.016 min Scan# 1857

Delta R.T. 0.018 min

Lab File: BF140095.D

Acq: 28 Oct 2024 18:59

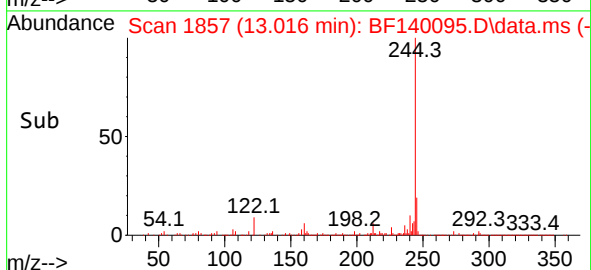
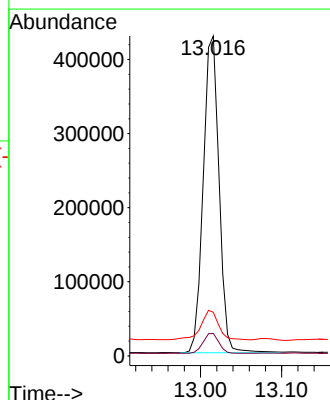
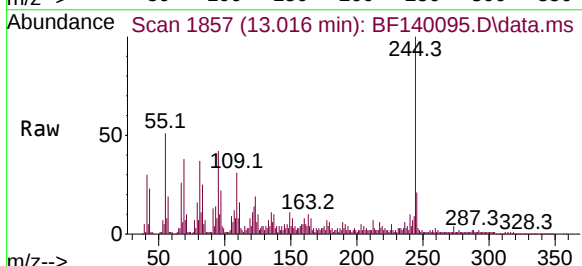
Tgt Ion:244 Resp: 579416

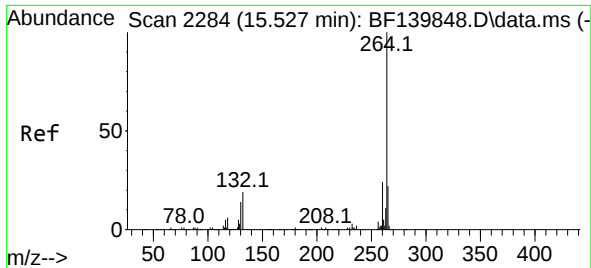
Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 13.6 8.6 13.0#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF140095.D
 Acq: 28 Oct 2024 18:59

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:264 Resp: 189769
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.4 29.2
 265 22.0 17.4 26.0

