

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
 Data File : BF140016.D
 Acq On : 24 Oct 2024 22:29
 Operator : RC/JU
 Sample : P4485-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D20241001-01-04

Quant Time: Oct 25 01:10:11 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)

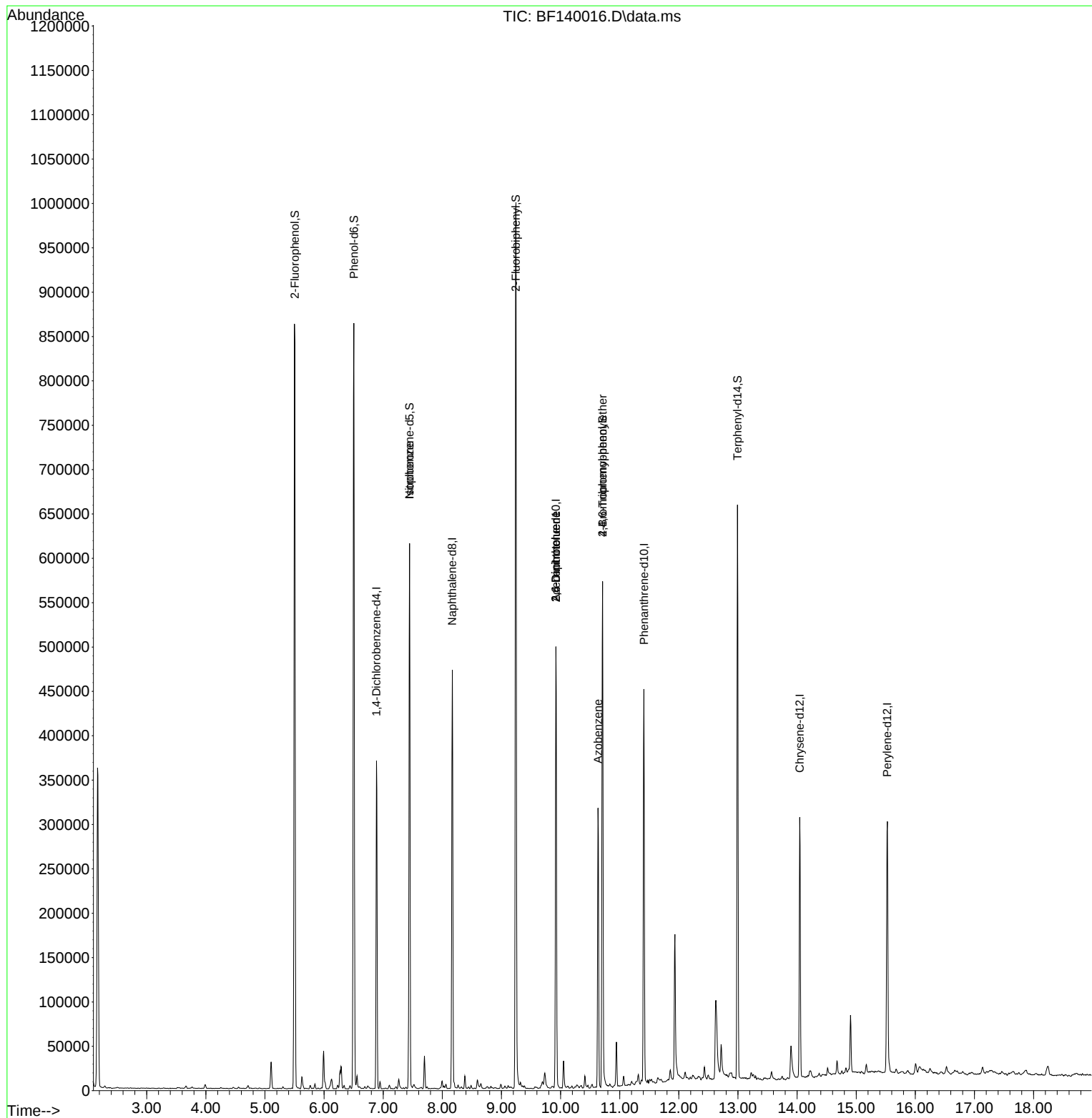
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	74021	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	276546	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	146029	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	230393	20.000	ng	0.00
76) Chrysene-d12	14.045	240	137568	20.000	ng	0.00
86) Perylene-d12	15.527	264	171344	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	308138	65.169	ng	0.00
7) Phenol-d6	6.504	99	378997	61.888	ng	0.00
23) Nitrobenzene-d5	7.445	82	252970	50.699	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	91061	66.667	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	459865	52.046	ng	0.00
79) Terphenyl-d14	12.992	244	306936	36.356	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.445	82	251054	26.509	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	18730	9.510	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	18730	7.734	ng	# 21
63) Azobenzene	10.633	77	78896	8.333	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	6076	2.560	ng	# 1

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

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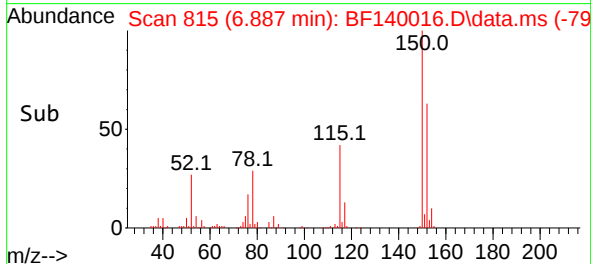
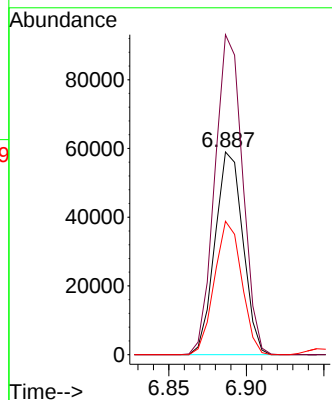
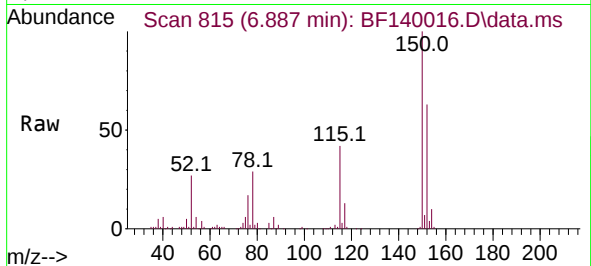




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140016.D
Acq: 24 Oct 2024 22:29

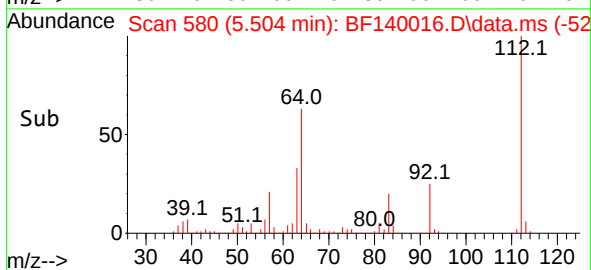
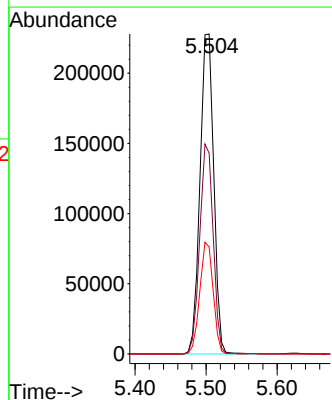
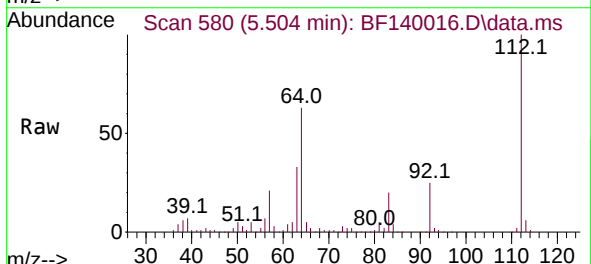
Instrument :
BNA_F
ClientSampleId :
D20241001-01-04

Tgt Ion:152 Resp: 74021
Ion Ratio Lower Upper
152 100
150 157.9 130.2 195.2
115 65.8 51.4 77.2



#5
2-Fluorophenol
Concen: 65.169 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140016.D
Acq: 24 Oct 2024 22:29

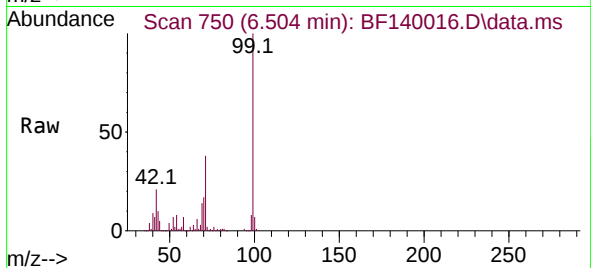
Tgt Ion:112 Resp: 308138
Ion Ratio Lower Upper
112 100
64 62.7 53.0 79.6
63 33.4 27.0 40.4



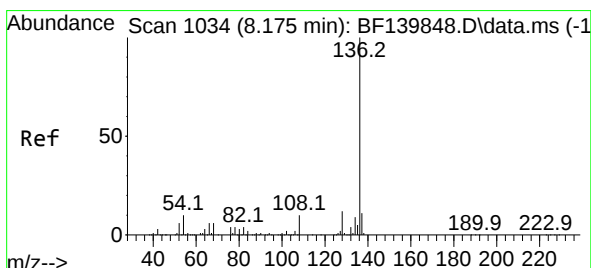
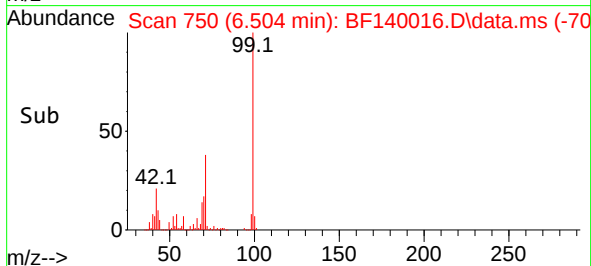
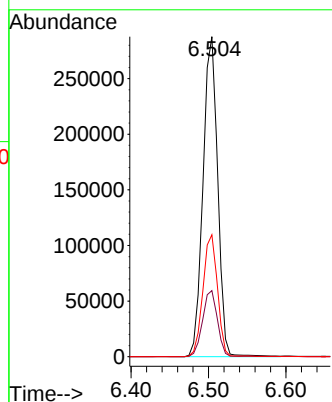


#7
Phenol-d6
Concen: 61.888 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140016.D
Acq: 24 Oct 2024 22:29

Instrument :
BNA_F
ClientSampleId :
D20241001-01-04

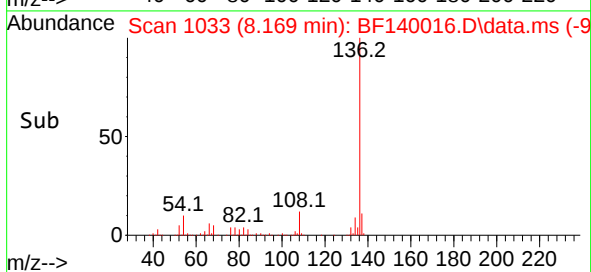
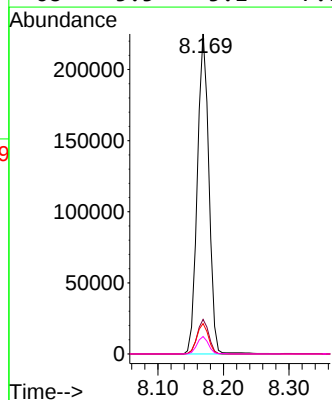
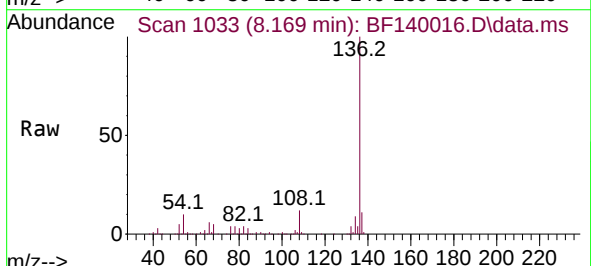


Tgt Ion: 99 Resp: 378997
Ion Ratio Lower Upper
99 100
42 20.6 16.7 25.1
71 38.1 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140016.D
Acq: 24 Oct 2024 22:29

Tgt Ion: 136 Resp: 276546
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.5 8.4 12.6
68 5.5 5.1 7.7





#23

Nitrobenzene-d5

Concen: 50.699 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF140016.D

Acq: 24 Oct 2024 22:29

Instrument :

BNA_F

ClientSampleId :

D20241001-01-04

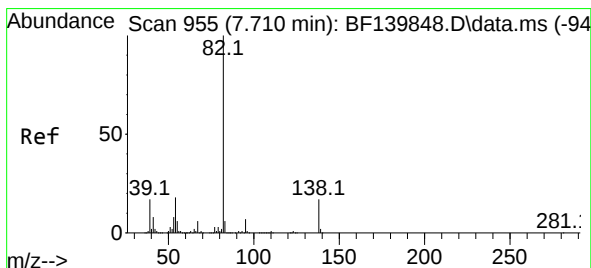
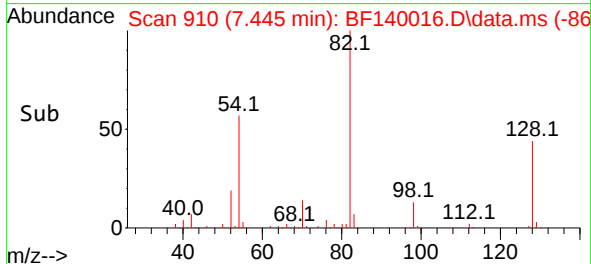
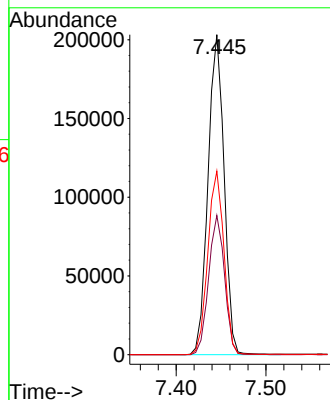
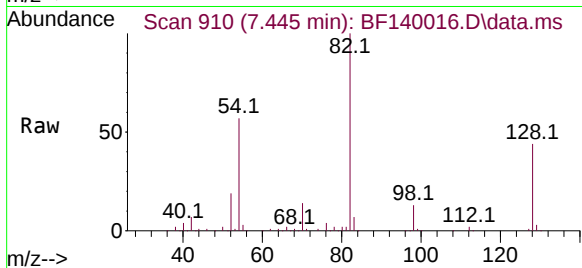
Tgt Ion: 82 Resp: 252970

Ion Ratio Lower Upper

82 100

128 43.5 33.4 50.0

54 57.4 47.8 71.8



#25

Isophorone

Concen: 26.509 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.265 min

Lab File: BF140016.D

Acq: 24 Oct 2024 22:29

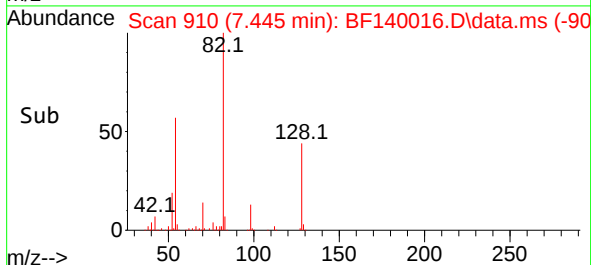
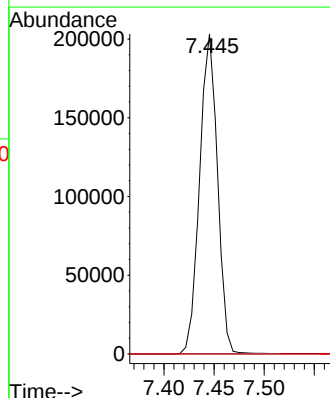
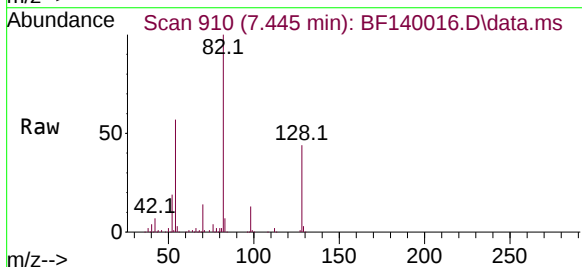
Tgt Ion: 82 Resp: 251054

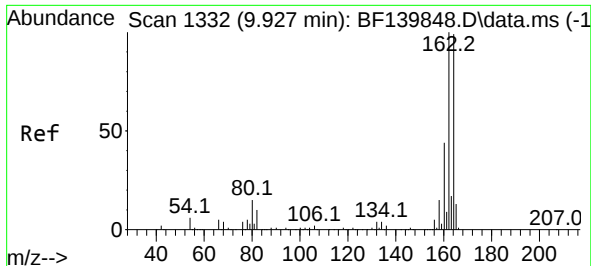
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.2 19.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 11

Delta R.T. -0.005 min

Lab File: BF140016.D

Acq: 24 Oct 2024 22:29

Instrument :

BNA_F

ClientSampleId :

D20241001-01-04

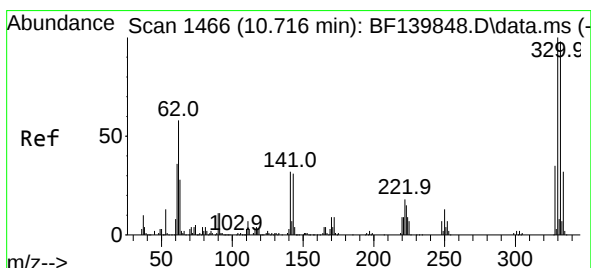
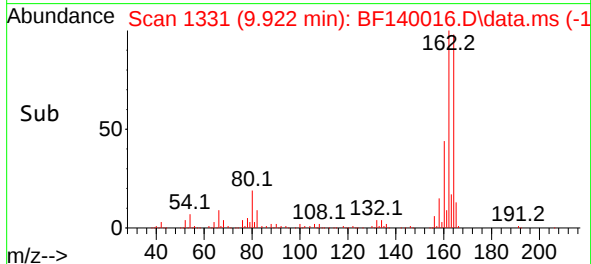
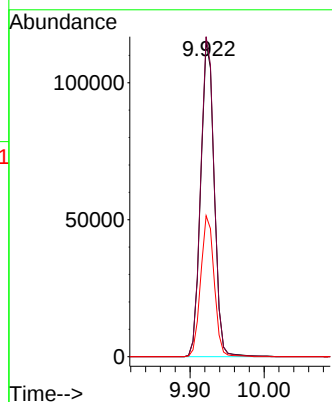
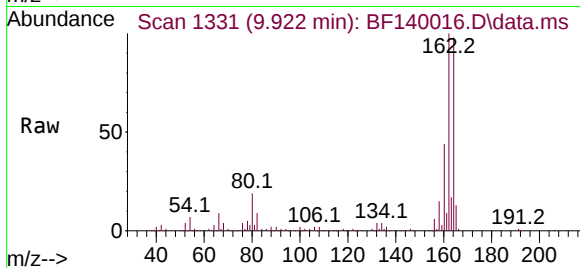
Tgt Ion:164 Resp: 146029

Ion Ratio Lower Upper

164 100

162 101.6 81.0 121.4

160 44.7 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 66.667 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF140016.D

Acq: 24 Oct 2024 22:29

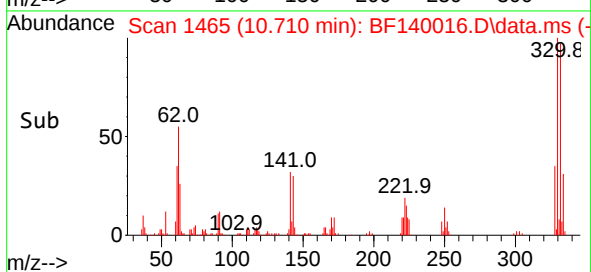
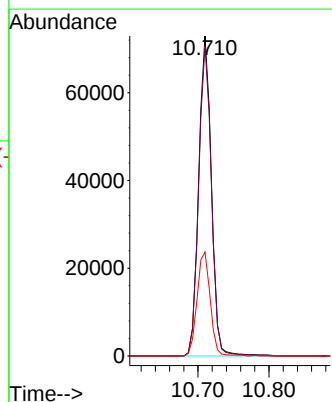
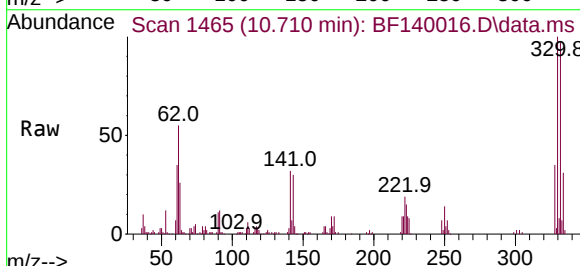
Tgt Ion:330 Resp: 91061

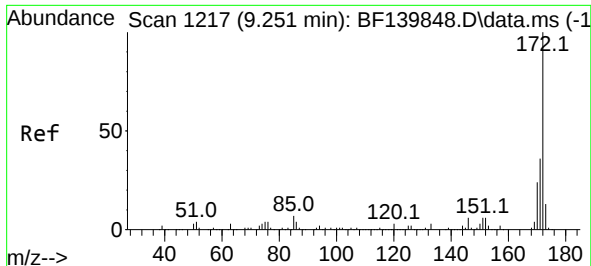
Ion Ratio Lower Upper

330 100

332 96.8 78.1 117.1

141 33.6 26.6 39.8





#45

2-Fluorobiphenyl

Concen: 52.046 ng

RT: 9.245 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140016.D

Acq: 24 Oct 2024 22:29

Instrument :

BNA_F

ClientSampleId :

D20241001-01-04

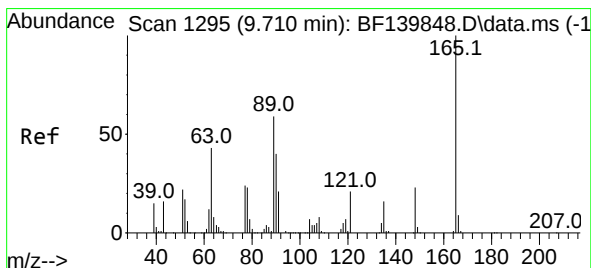
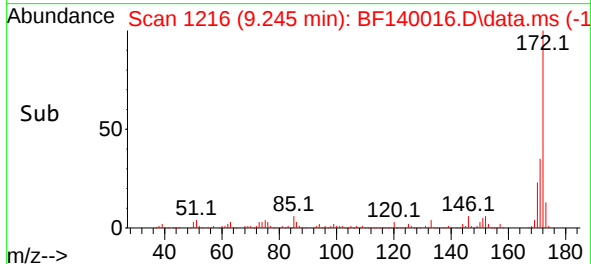
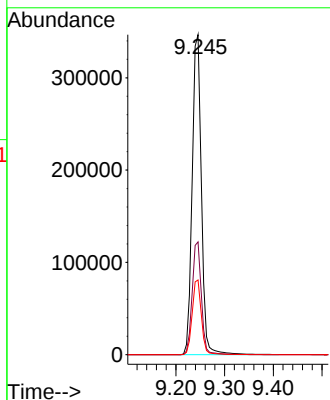
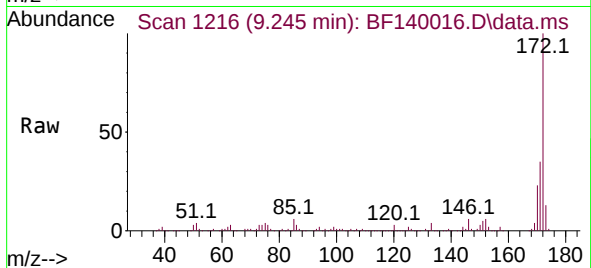
Tgt Ion:172 Resp: 459865

Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

170 23.4 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 9.510 ng

RT: 9.922 min Scan# 1331

Delta R.T. 0.212 min

Lab File: BF140016.D

Acq: 24 Oct 2024 22:29

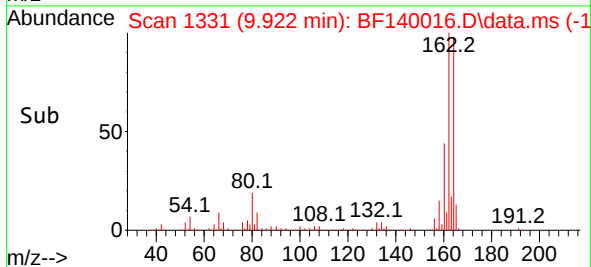
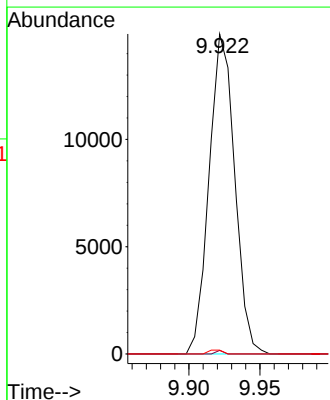
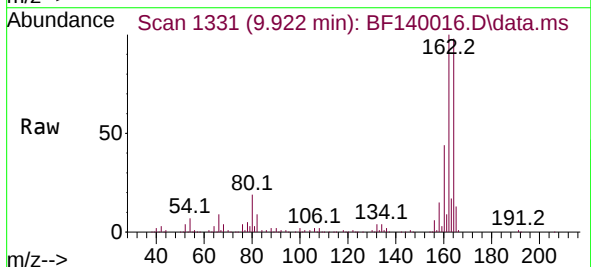
Tgt Ion:165 Resp: 18730

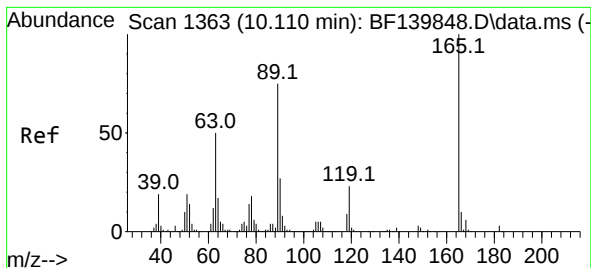
Ion Ratio Lower Upper

165 100

63 1.1 50.6 75.8#

89 1.2 47.5 71.3#





#57

2,4-Dinitrotoluene

Concen: 7.734 ng

RT: 9.922 min Scan# 11

Delta R.T. -0.188 min

Lab File: BF140016.D

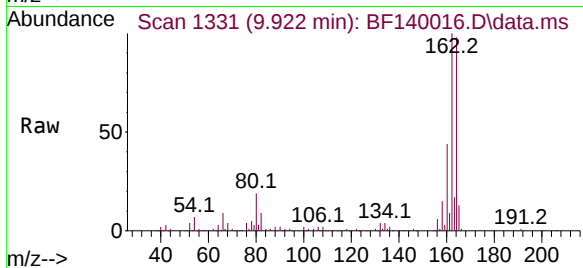
Acq: 24 Oct 2024 22:29

Instrument :

BNA_F

ClientSampleId :

D20241001-01-04



Tgt Ion:165 Resp: 18730

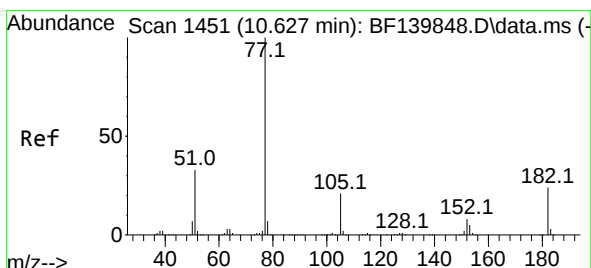
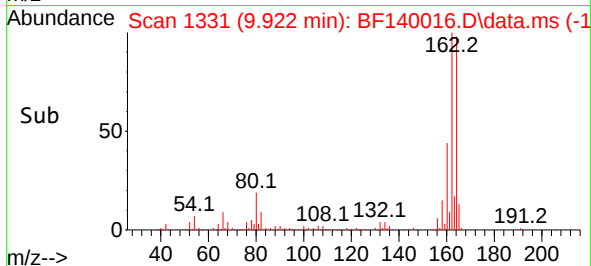
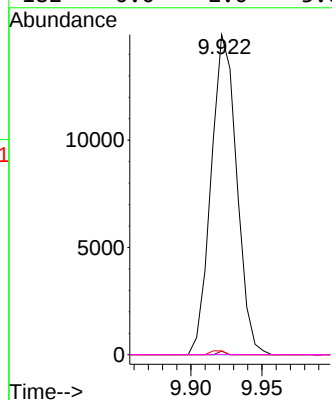
Ion Ratio Lower Upper

165 100

63 1.1 40.1 60.1#

89 1.2 60.4 90.6#

182 0.0 2.0 3.0#



#63

Azobenzene

Concen: 8.333 ng

RT: 10.633 min Scan# 1452

Delta R.T. 0.006 min

Lab File: BF140016.D

Acq: 24 Oct 2024 22:29

Tgt Ion: 77 Resp: 78896

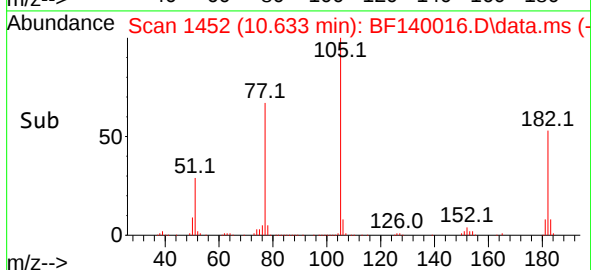
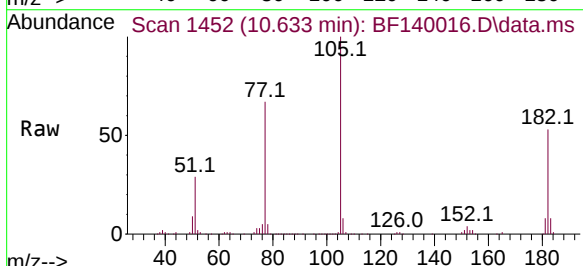
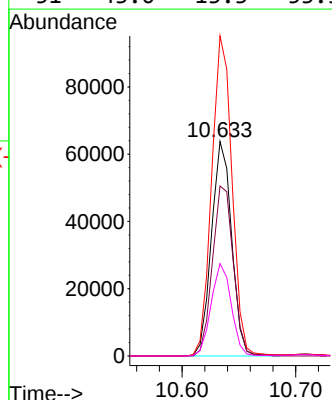
Ion Ratio Lower Upper

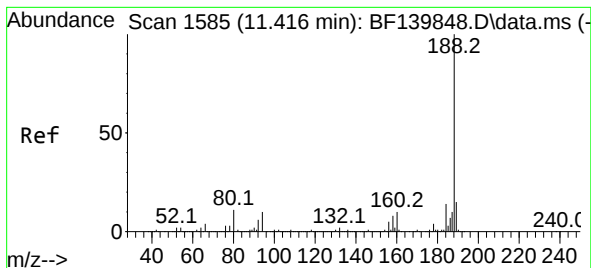
77 100

182 79.2 3.3 43.3#

105 149.3 1.2 41.2#

51 43.0 13.3 53.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140016.D

Acq: 24 Oct 2024 22:29

Instrument :

BNA_F

ClientSampleId :

D20241001-01-04

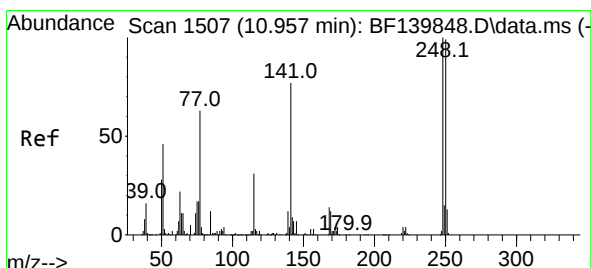
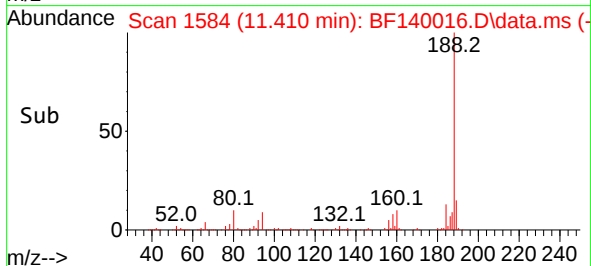
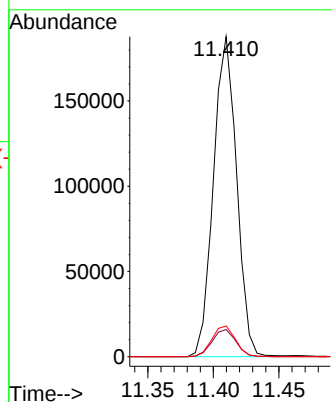
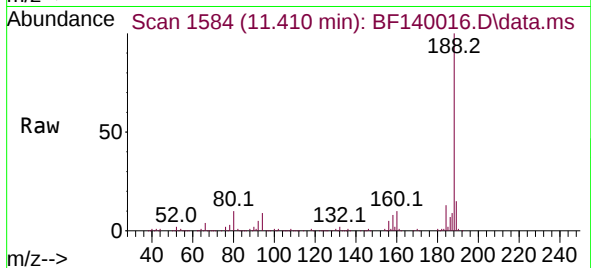
Tgt Ion:188 Resp: 230393

Ion Ratio Lower Upper

188 100

94 8.5 7.9 11.9

80 9.6 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 2.560 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.247 min

Lab File: BF140016.D

Acq: 24 Oct 2024 22:29

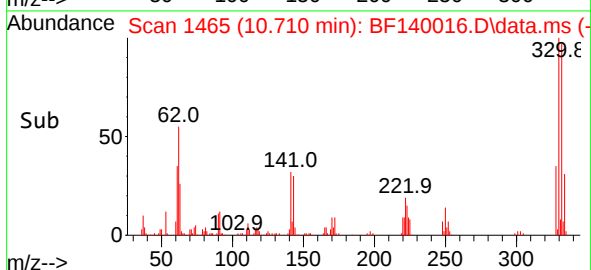
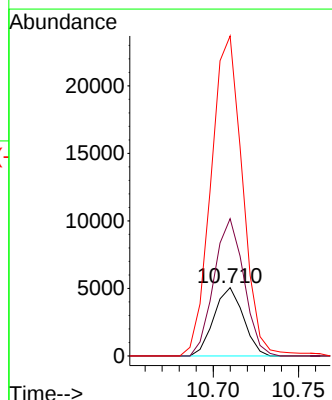
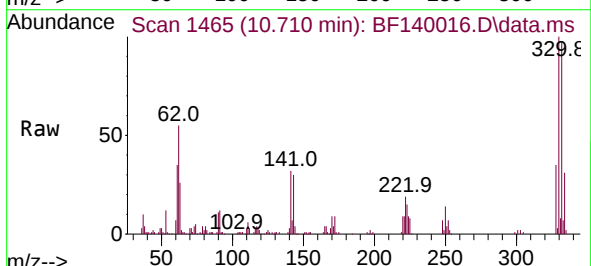
Tgt Ion:248 Resp: 6076

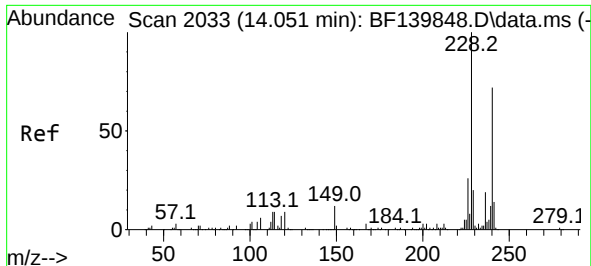
Ion Ratio Lower Upper

248 100

250 201.0 79.0 118.6#

141 468.9 61.7 92.5#

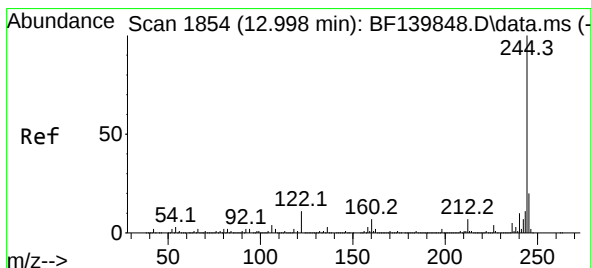
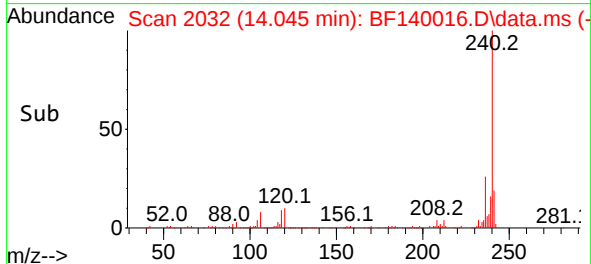
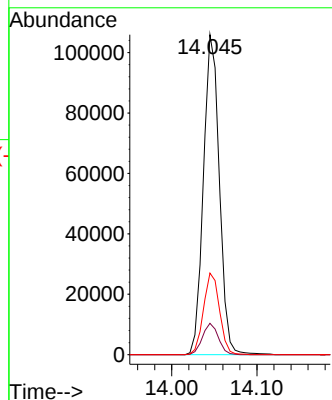
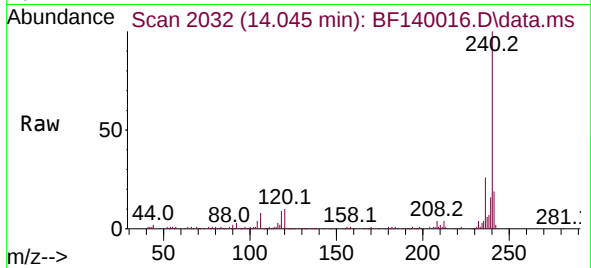




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140016.D
Acq: 24 Oct 2024 22:29

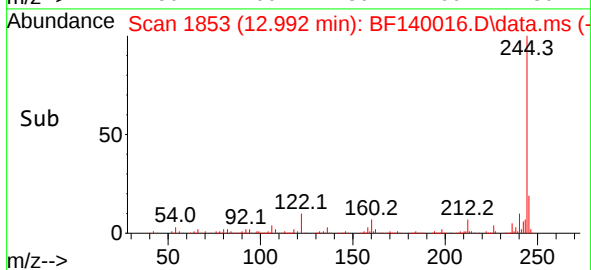
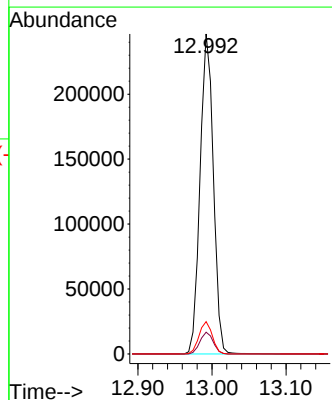
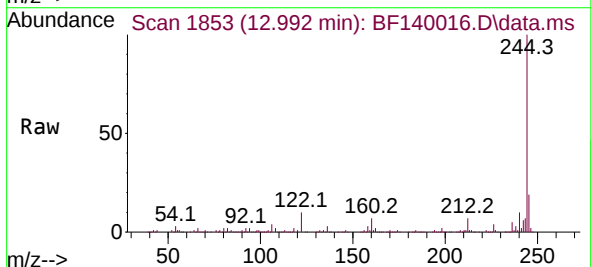
Instrument :
BNA_F
ClientSampleId :
D20241001-01-04

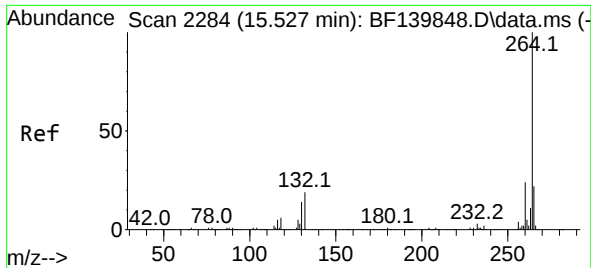
Tgt Ion:240 Resp: 137568
Ion Ratio Lower Upper
240 100
120 9.8 9.4 14.2
236 25.5 20.9 31.3



#79
Terphenyl-d14
Concen: 36.356 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF140016.D
Acq: 24 Oct 2024 22:29

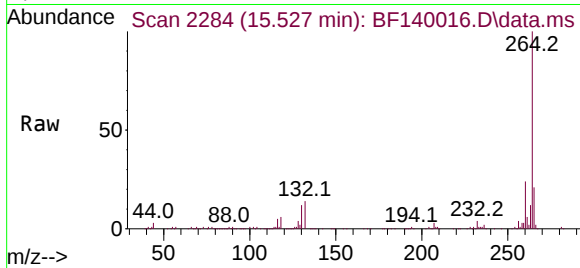
Tgt Ion:244 Resp: 306936
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 10.1 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF140016.D
 Acq: 24 Oct 2024 22:29

Instrument :
 BNA_F
 ClientSampleId :
 D20241001-01-04



Tgt Ion:264 Resp: 171344
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.4 29.2
 265 21.0 17.4 26.0

