

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093024\
 Data File : BF139576.D
 Acq On : 30 Sep 2024 14:03
 Operator : RC/JU
 Sample : P4192-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222

Quant Time: Sep 30 14:25:55 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

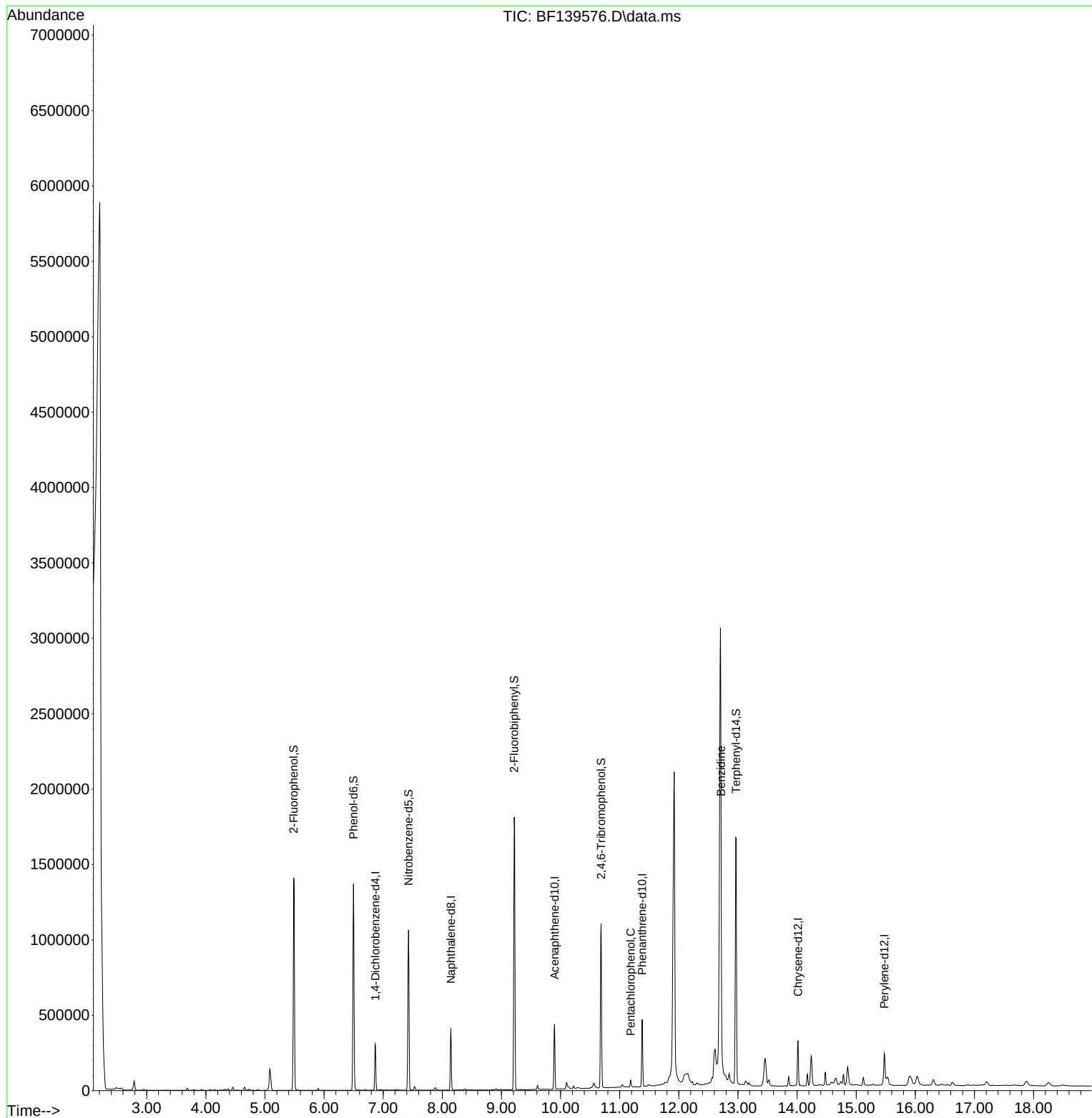
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	62731	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	231002	20.000	ng	#-0.02
39) Acenaphthene-d10	9.898	164	125058	20.000	ng	-0.02
64) Phenanthrene-d10	11.380	188	224316	20.000	ng	-0.02
76) Chrysene-d12	14.015	240	137273	20.000	ng	#-0.02
86) Perylene-d12	15.474	264	116260	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	481375	125.184	ng	0.00
7) Phenol-d6	6.498	99	585132	115.930	ng	0.00
23) Nitrobenzene-d5	7.428	82	445020	90.566	ng	-0.02
42) 2,4,6-Tribromophenol	10.686	330	161872	121.581	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	775209	86.939	ng	-0.02
79) Terphenyl-d14	12.968	244	809643	96.810	ng	-0.01
Target Compounds						
70) Pentachlorophenol	11.186	266	6691	4.274	ng	Qvalue 98
77) Benzidine	12.716	184	85202	43.322	ng	# 37

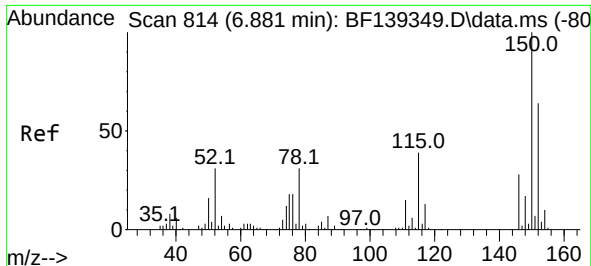
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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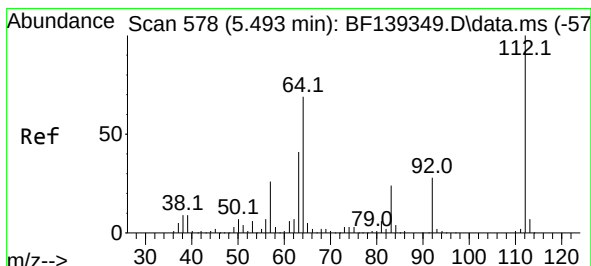
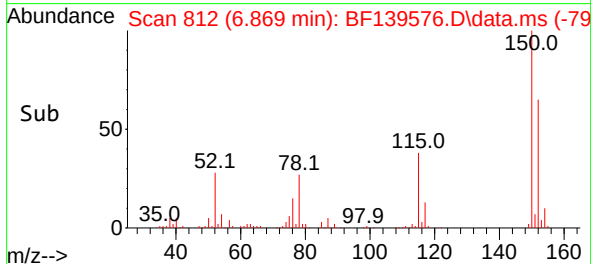
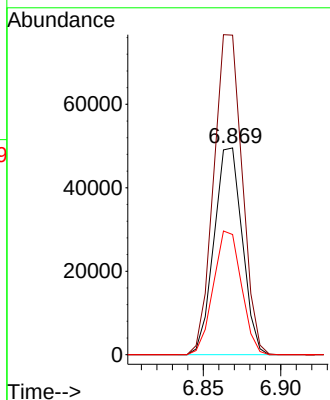
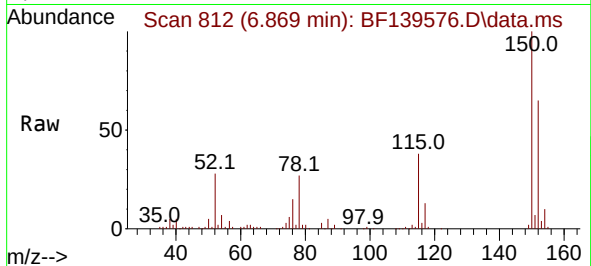




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF139576.D
Acq: 30 Sep 2024 14:03

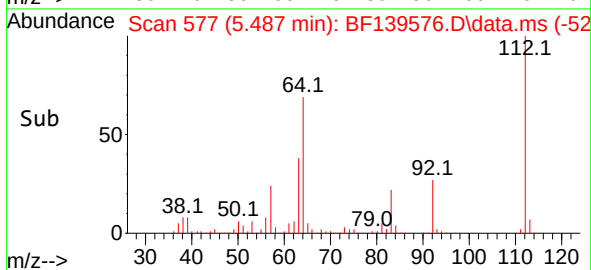
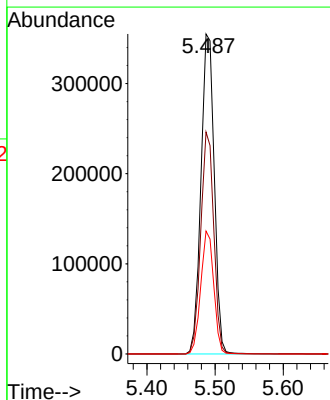
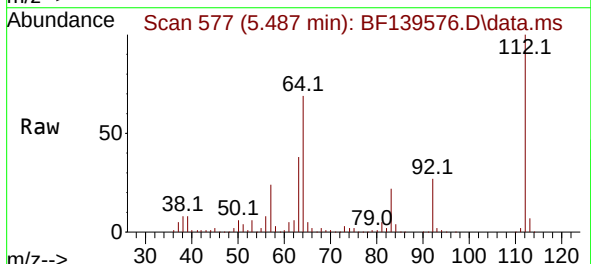
Instrument :
BNA_F
ClientSampleId :
VNJ-222

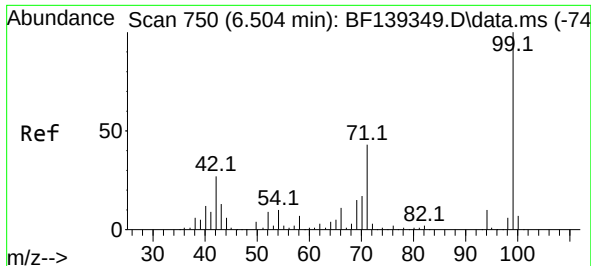
Tgt Ion:152 Resp: 62731
Ion Ratio Lower Upper
152 100
150 154.6 124.1 186.1
115 58.1 48.1 72.1



#5
2-Fluorophenol
Concen: 125.184 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF139576.D
Acq: 30 Sep 2024 14:03

Tgt Ion:112 Resp: 481375
Ion Ratio Lower Upper
112 100
64 69.4 54.8 82.2
63 38.4 33.0 49.4

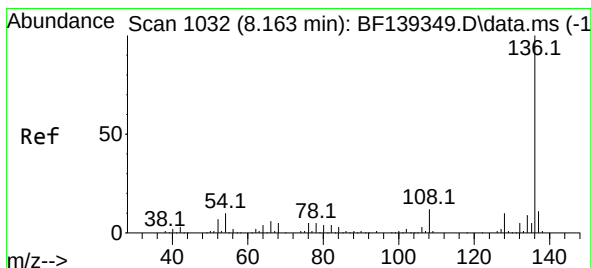
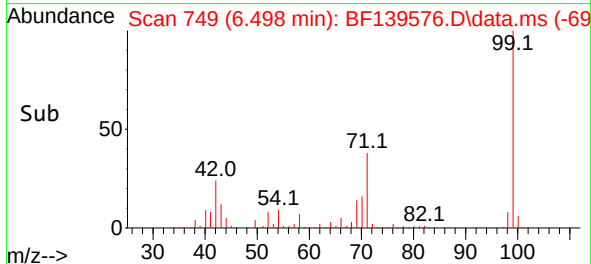
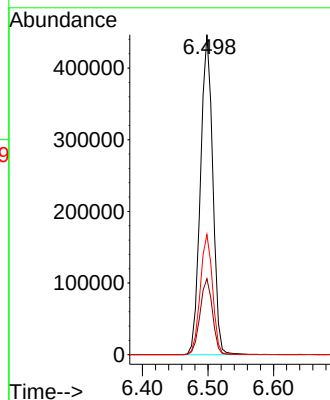
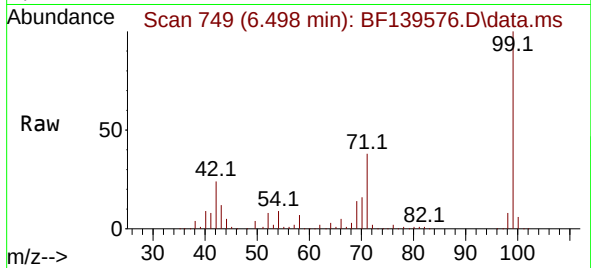




#7
Phenol-d6
Concen: 115.930 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139576.D
Acq: 30 Sep 2024 14:03

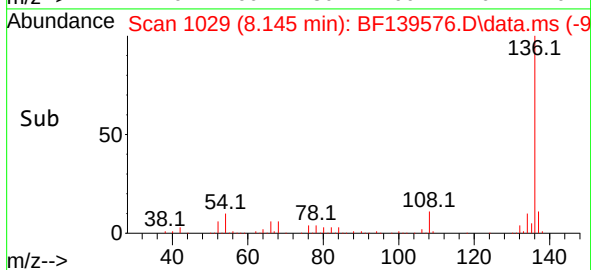
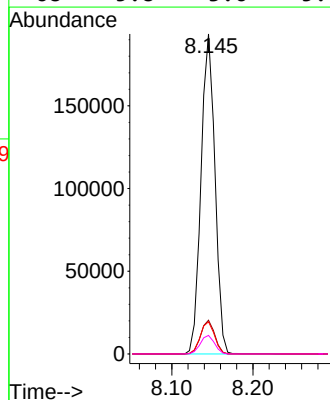
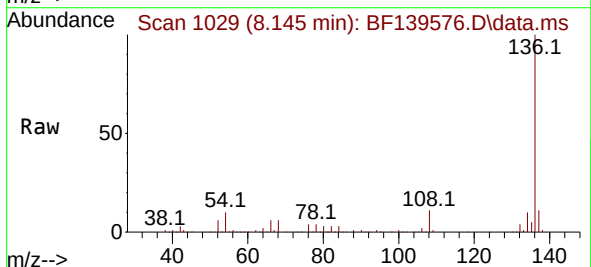
Instrument :
BNA_F
ClientSampleId :
VNJ-222

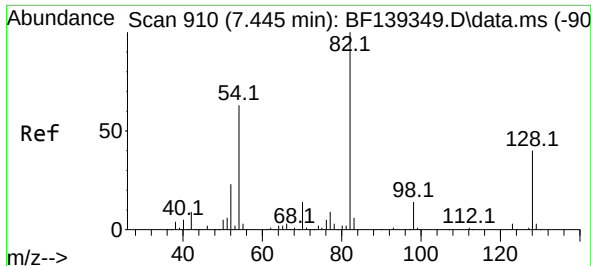
Tgt Ion: 99 Resp: 585132
Ion Ratio Lower Upper
99 100
42 23.7 21.9 32.9
71 37.6 34.6 52.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF139576.D
Acq: 30 Sep 2024 14:03

Tgt Ion: 136 Resp: 231002
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 10.1 7.8 11.8
68 5.8 3.6 5.4





#23

Nitrobenzene-d5

Concen: 90.566 ng

RT: 7.428 min Scan# 90

Delta R.T. -0.018 min

Lab File: BF139576.D

Acq: 30 Sep 2024 14:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222

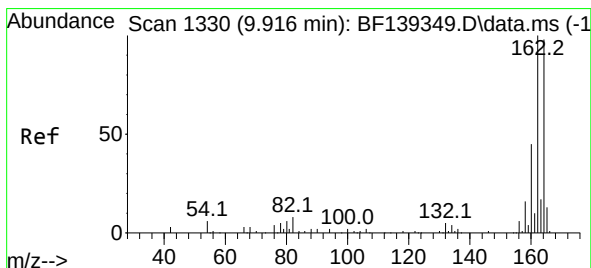
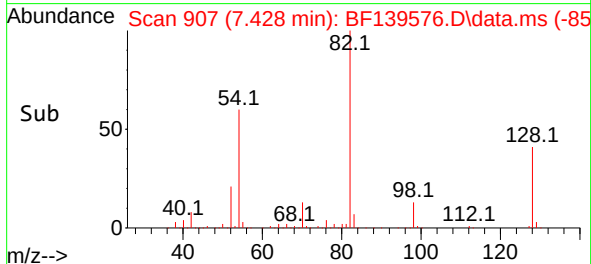
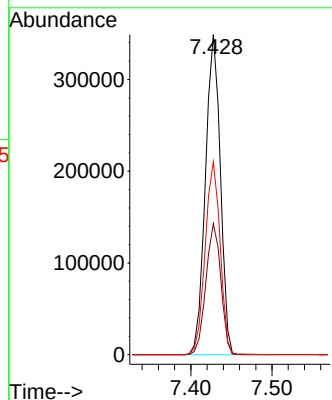
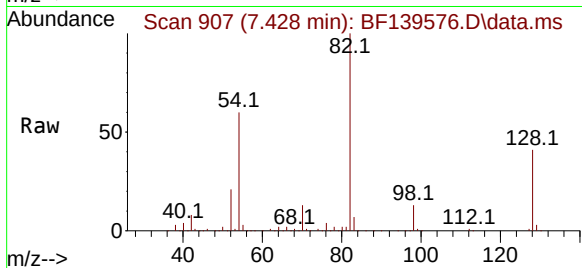
Tgt Ion: 82 Resp: 445020

Ion Ratio Lower Upper

82 100

128 40.9 31.8 47.6

54 60.3 50.6 75.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.018 min

Lab File: BF139576.D

Acq: 30 Sep 2024 14:03

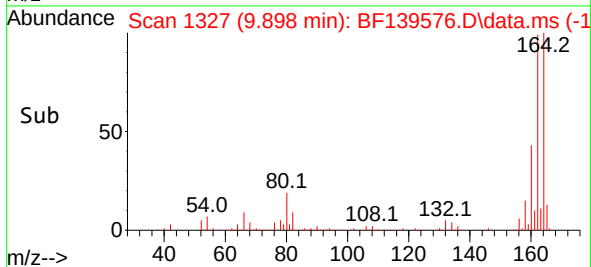
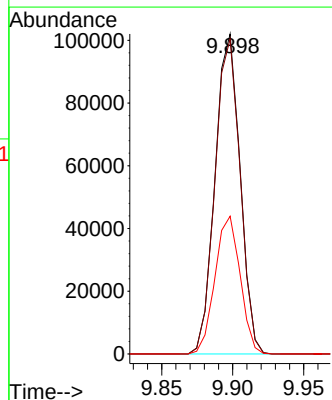
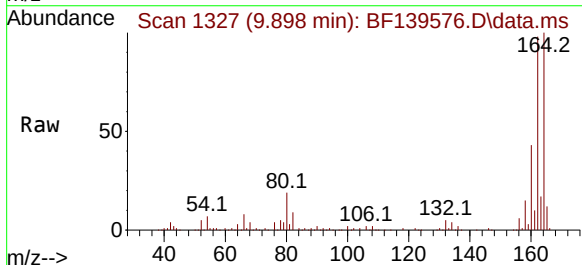
Tgt Ion:164 Resp: 125058

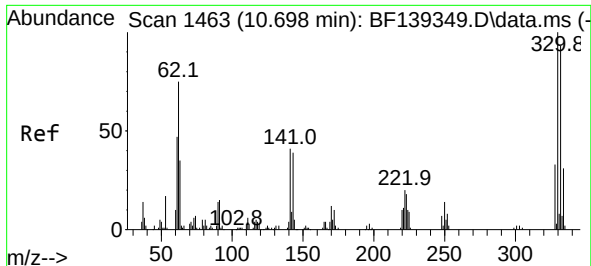
Ion Ratio Lower Upper

164 100

162 98.5 81.3 121.9

160 43.1 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 121.581 ng

RT: 10.686 min Scan# 1461

Delta R.T. -0.012 min

Lab File: BF139576.D

Acq: 30 Sep 2024 14:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222

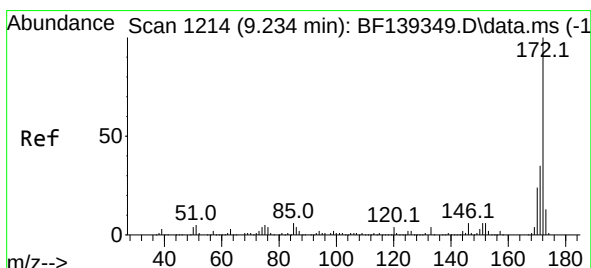
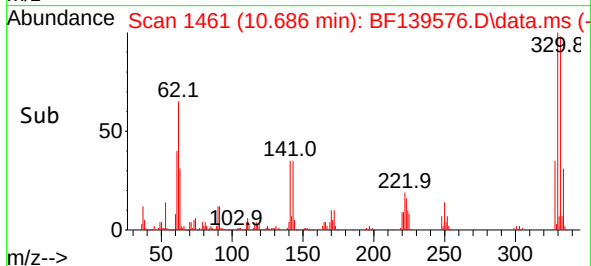
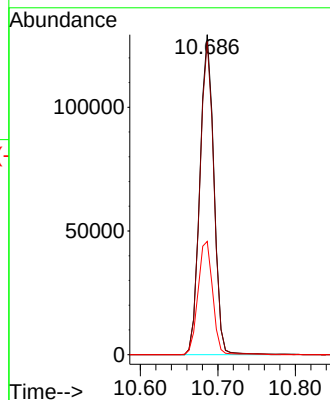
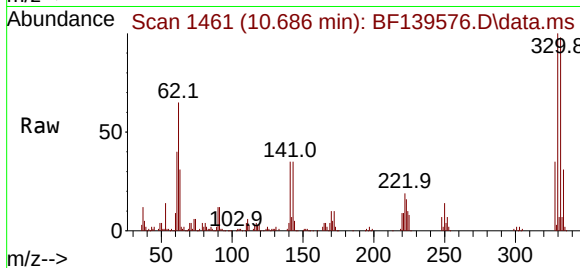
Tgt Ion:330 Resp: 161872

Ion Ratio Lower Upper

330 100

332 98.3 75.2 112.8

141 37.2 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 86.939 ng

RT: 9.216 min Scan# 1211

Delta R.T. -0.018 min

Lab File: BF139576.D

Acq: 30 Sep 2024 14:03

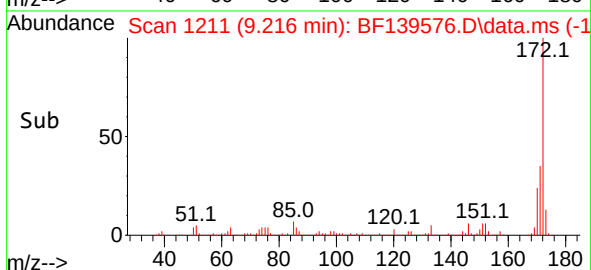
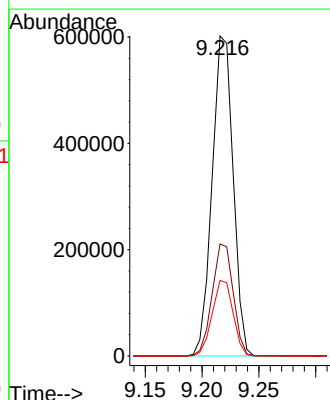
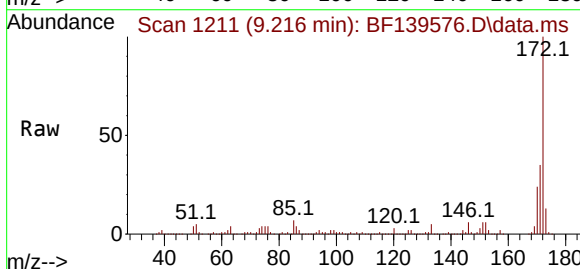
Tgt Ion:172 Resp: 775209

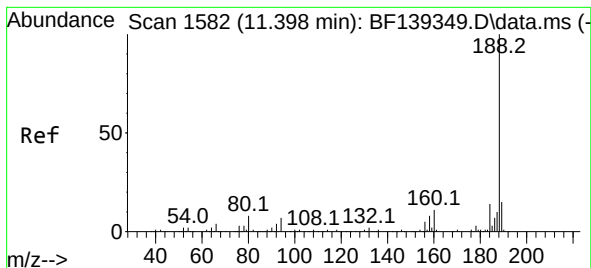
Ion Ratio Lower Upper

172 100

171 35.0 28.3 42.5

170 23.6 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF139576.D

Acq: 30 Sep 2024 14:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222

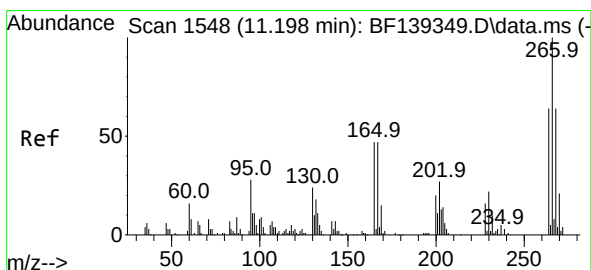
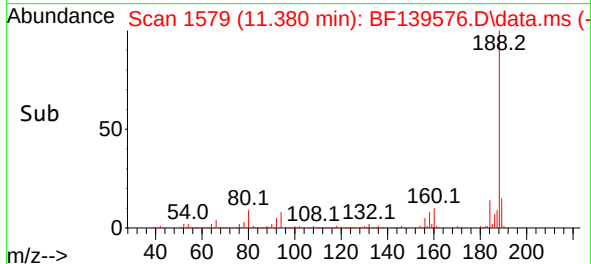
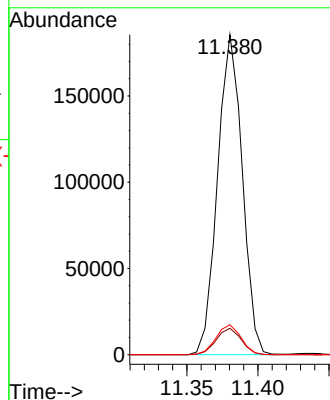
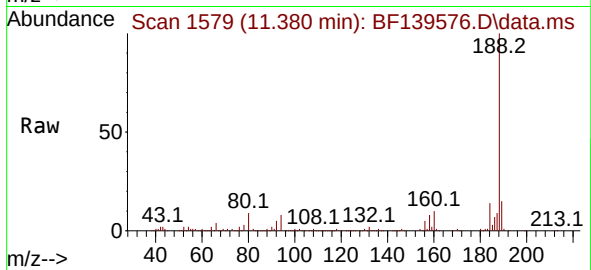
Tgt Ion:188 Resp: 224316

Ion Ratio Lower Upper

188 100

94 8.2 5.5 8.3

80 9.3 6.6 9.8



#70

Pentachlorophenol

Concen: 4.274 ng

RT: 11.186 min Scan# 1546

Delta R.T. -0.012 min

Lab File: BF139576.D

Acq: 30 Sep 2024 14:03

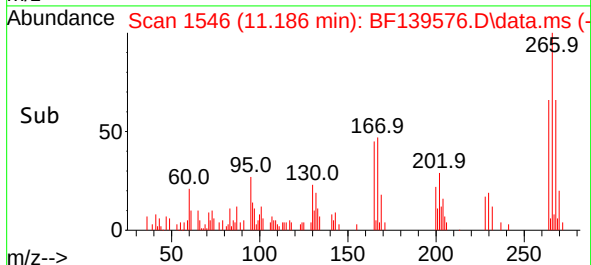
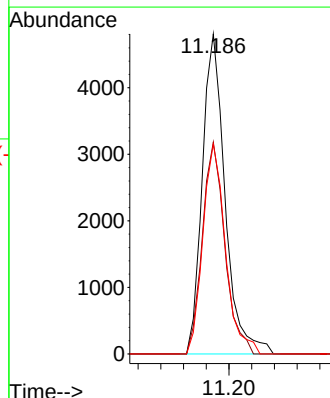
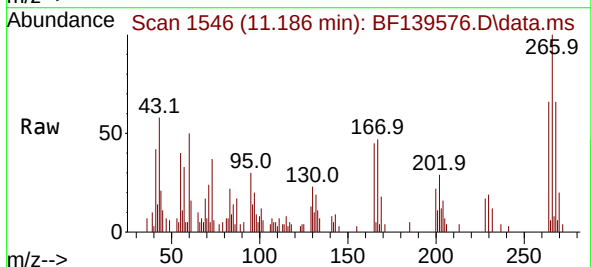
Tgt Ion:266 Resp: 6691

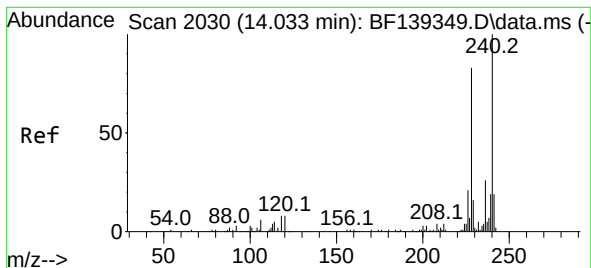
Ion Ratio Lower Upper

266 100

268 66.2 51.1 76.7

264 65.7 51.4 77.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2030

Delta R.T. -0.018 min

Lab File: BF139576.D

Acq: 30 Sep 2024 14:03

Instrument :

BNA_F

ClientSampleId :

VNJ-222

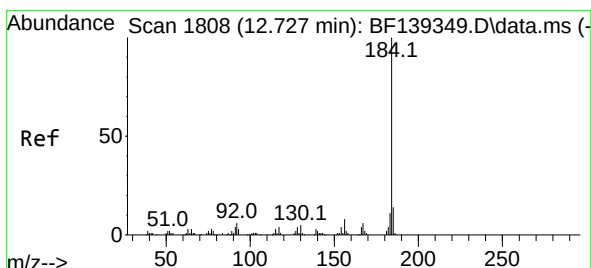
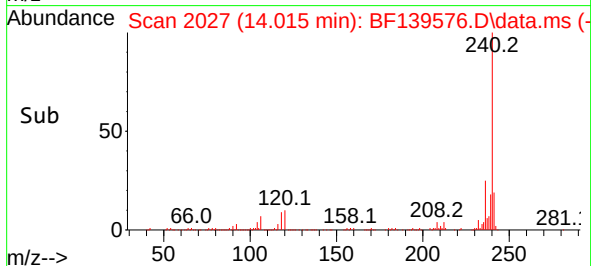
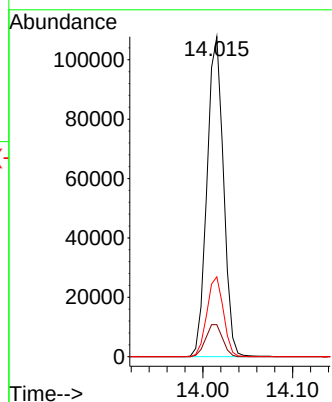
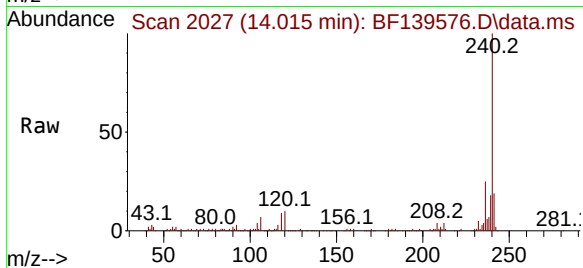
Tgt Ion:240 Resp: 137273

Ion Ratio Lower Upper

240 100

120 10.0 6.2 9.2#

236 25.0 20.9 31.3



#77

Benzidine

Concen: 43.322 ng

RT: 12.716 min Scan# 1806

Delta R.T. -0.012 min

Lab File: BF139576.D

Acq: 30 Sep 2024 14:03

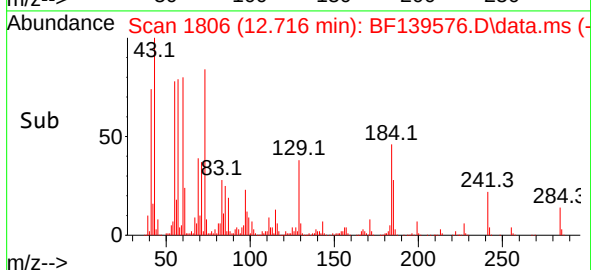
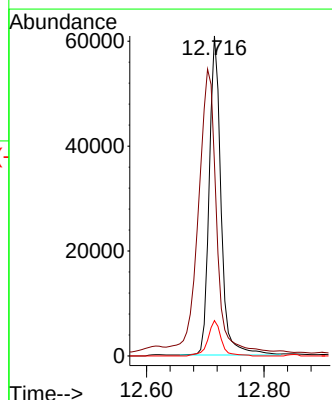
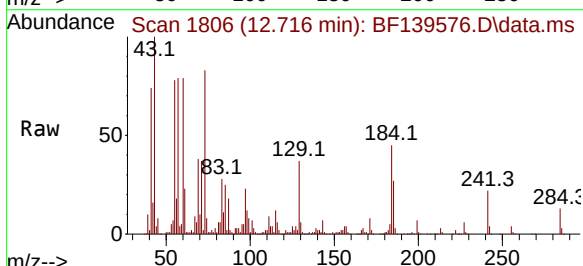
Tgt Ion:184 Resp: 85202

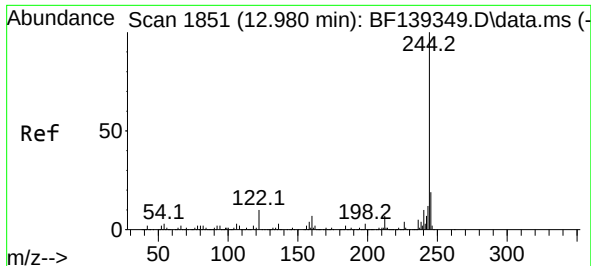
Ion Ratio Lower Upper

184 100

185 60.3 11.5 17.3#

183 11.0 8.9 13.3

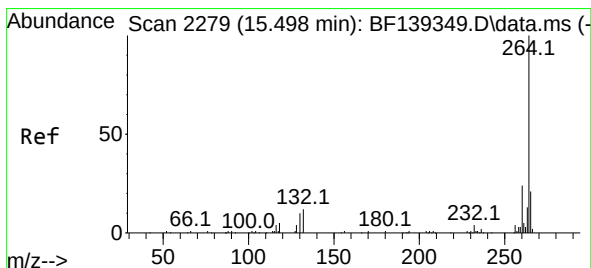
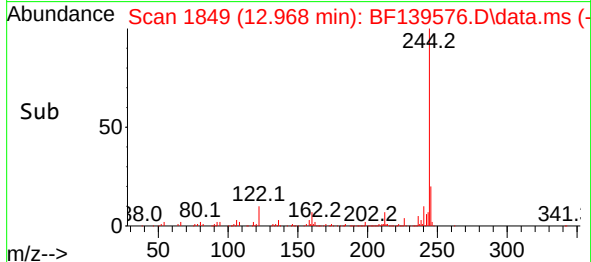
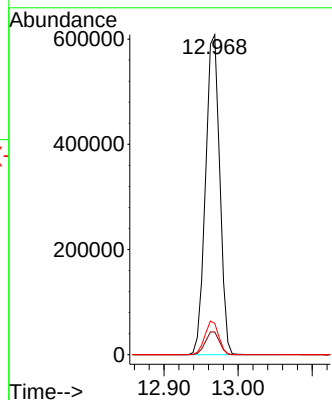
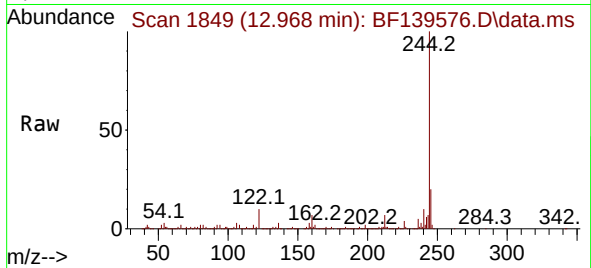




#79
 Terphenyl-d14
 Concen: 96.810 ng
 RT: 12.968 min Scan# 1849
 Delta R.T. -0.012 min
 Lab File: BF139576.D
 Acq: 30 Sep 2024 14:03

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222

Tgt Ion:244 Resp: 809643
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.8 7.6 11.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 2275
 Delta R.T. -0.024 min
 Lab File: BF139576.D
 Acq: 30 Sep 2024 14:03

Tgt Ion:264 Resp: 116260
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.5 29.3
 265 20.8 16.6 25.0

