

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141382.D
 Acq On : 03 Feb 2025 21:17
 Operator : RC/JU
 Sample : Q1232-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-42.1-012925

Quant Time: Feb 04 00:19:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

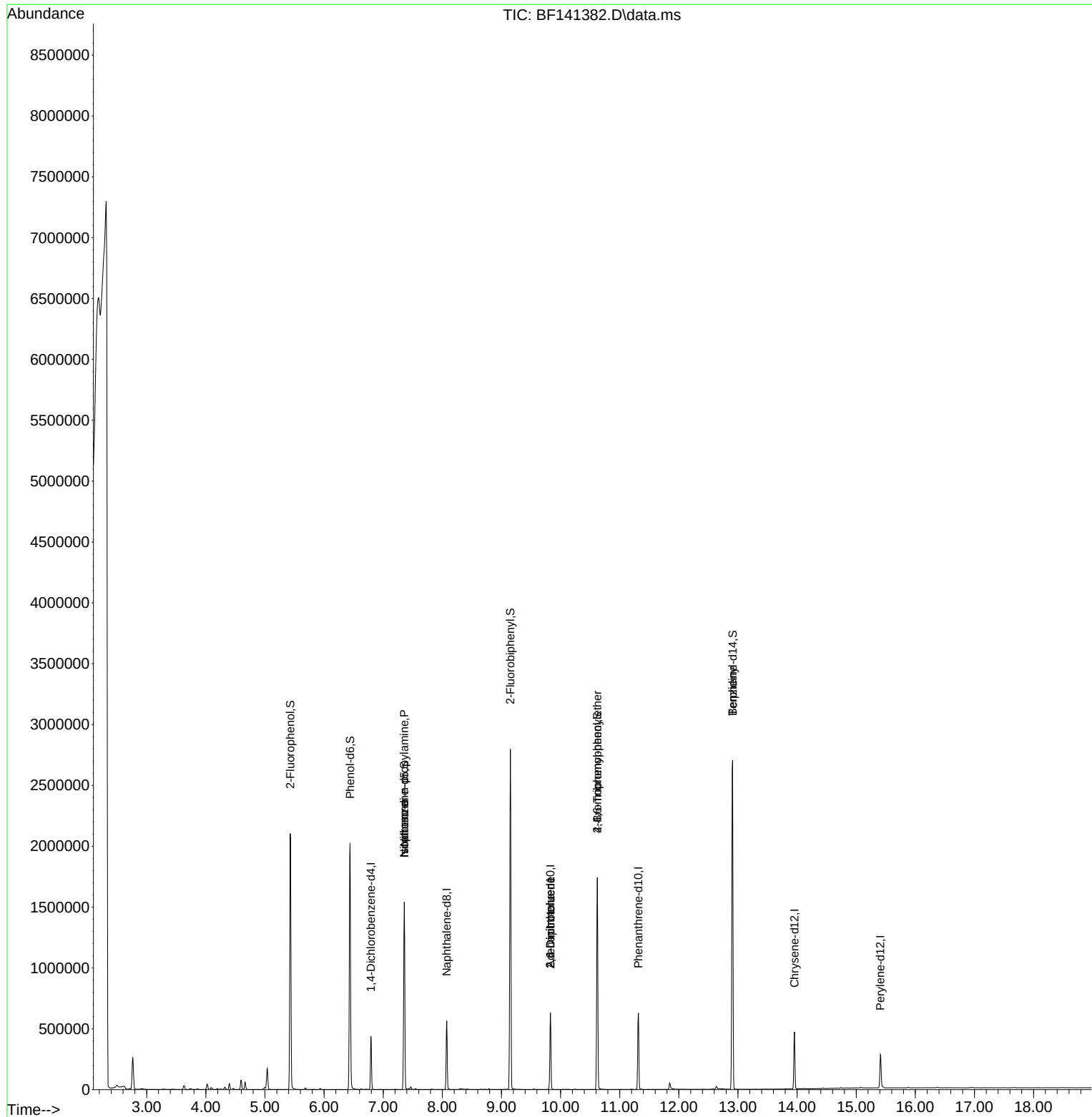
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	89109	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	351714	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	188139	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	319169	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	226990	20.000	ng	-0.02
86) Perylene-d12	15.409	264	160771	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	781568	134.651	ng	0.02
7) Phenol-d6	6.439	99	943996	127.845	ng	0.00
23) Nitrobenzene-d5	7.357	82	700084	104.932	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	280292	162.507	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1259480	103.040	ng	-0.01
79) Terphenyl-d14	12.910	244	1391951	94.570	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.357	70	95784	21.831	ng	# 75
25) Isophorone	7.357	82	694332	60.205	ng	# 64
51) 2,6-Dinitrotoluene	9.827	165	23697	8.032	ng	# 24
57) 2,4-Dinitrotoluene	9.827	165	23697	6.204	ng	# 23
67) 4-Bromophenyl-phenylether	10.622	248	18860	5.278	ng	# 1
77) Benzidine	12.910	184	18309	2.516	ng	# 93

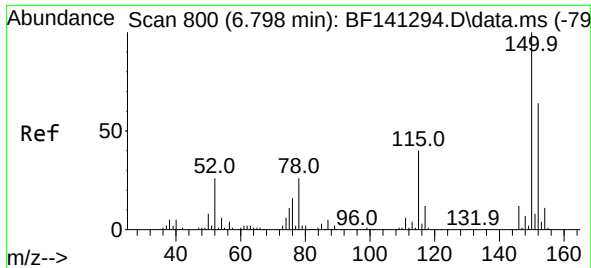
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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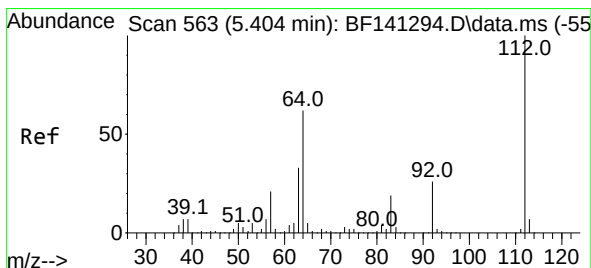
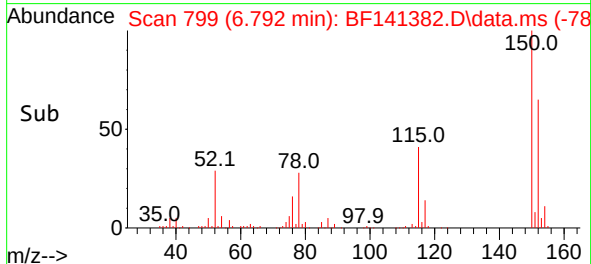
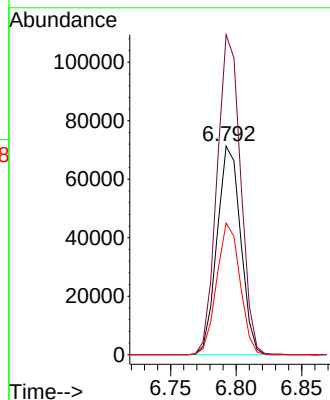
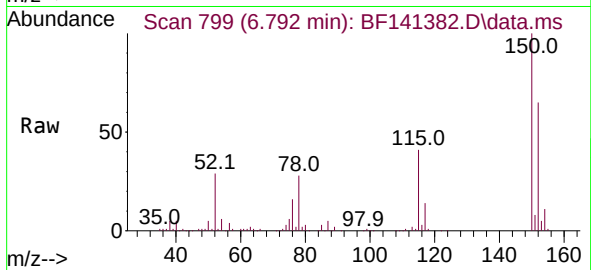




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 79
 Delta R.T. -0.012 min
 Lab File: BF141382.D
 Acq: 03 Feb 2025 21:17

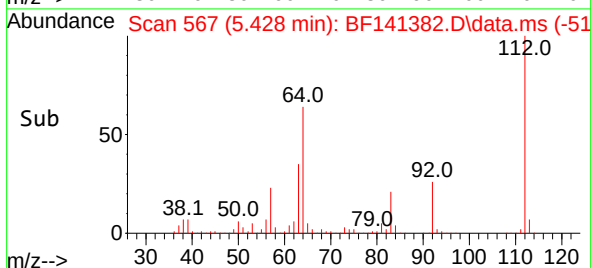
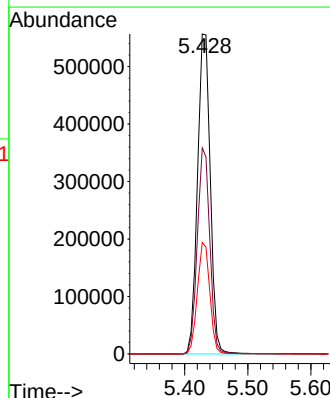
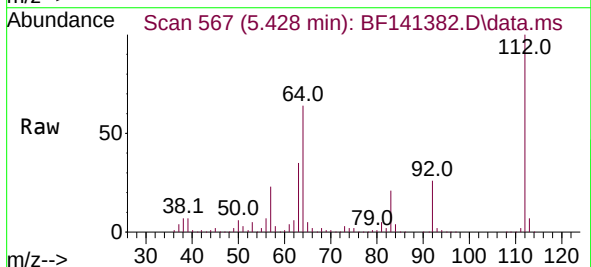
Instrument :
 BNA_F
 ClientSampleId :
 JPP-42.1-012925

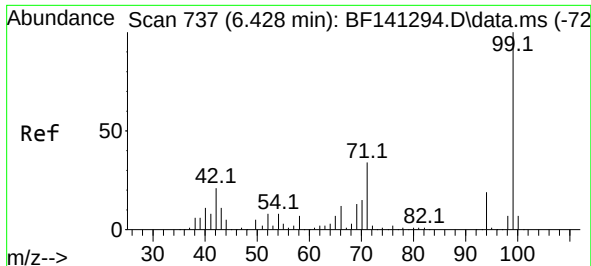
Tgt Ion:152 Resp: 89109
 Ion Ratio Lower Upper
 152 100
 150 153.5 125.9 188.9
 115 63.0 49.7 74.5



#5
 2-Fluorophenol
 Concen: 134.651 ng
 RT: 5.428 min Scan# 567
 Delta R.T. 0.017 min
 Lab File: BF141382.D
 Acq: 03 Feb 2025 21:17

Tgt Ion:112 Resp: 781568
 Ion Ratio Lower Upper
 112 100
 64 64.4 49.8 74.8
 63 34.9 26.1 39.1

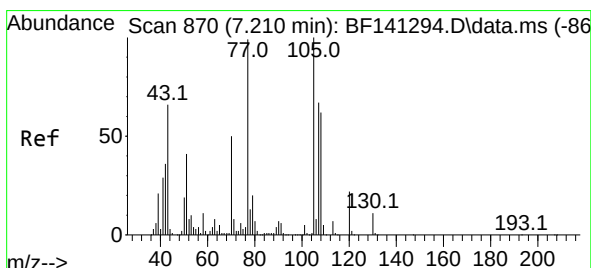
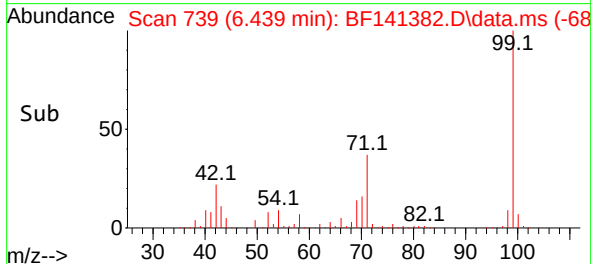
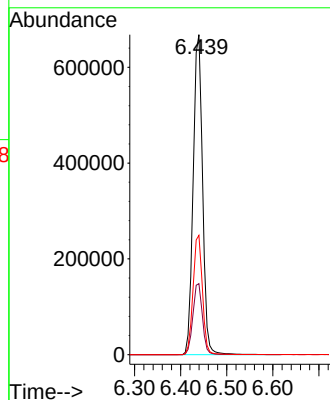
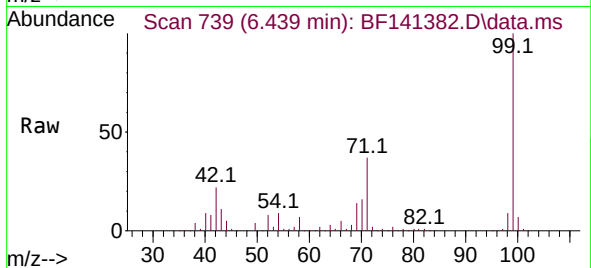




#7
Phenol-d6
Concen: 127.845 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141382.D
Acq: 03 Feb 2025 21:17

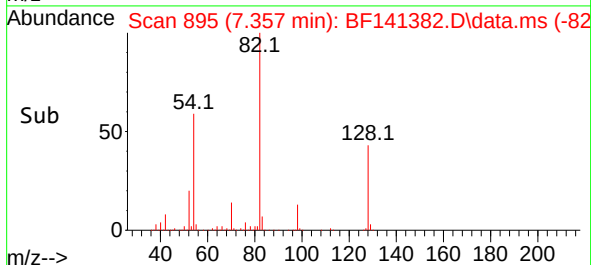
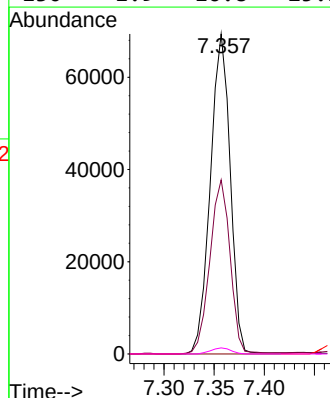
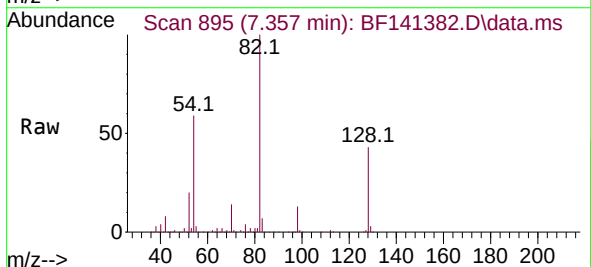
Instrument :
BNA_F
ClientSampleId :
JPP-42.1-012925

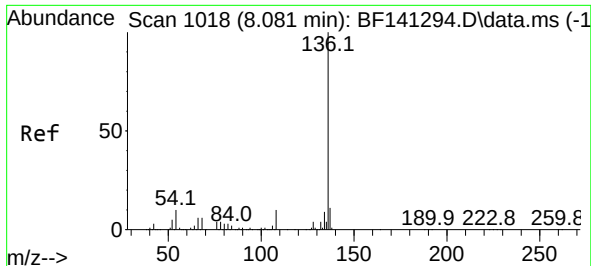
Tgt Ion: 99 Resp: 943996
Ion Ratio Lower Upper
99 100
42 22.2 17.1 25.7
71 37.3 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 21.831 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF141382.D
Acq: 03 Feb 2025 21:17

Tgt Ion: 70 Resp: 95784
Ion Ratio Lower Upper
70 100
42 54.4 56.8 85.2#
101 0.0 7.7 11.5#
130 1.9 16.8 25.2#

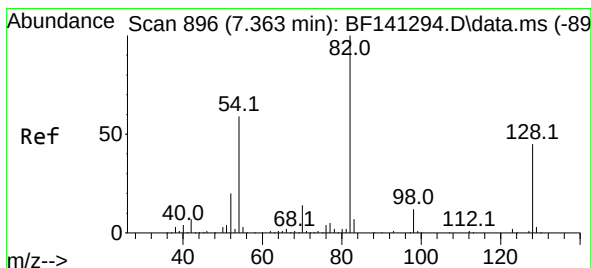
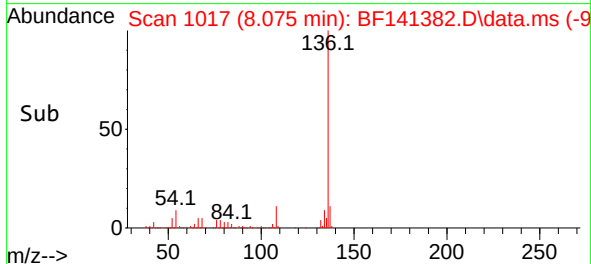
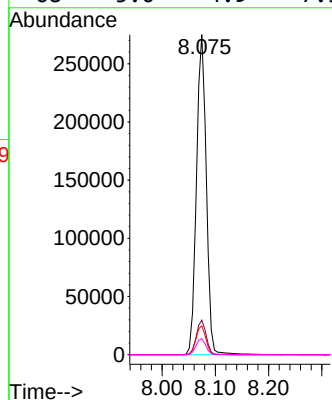
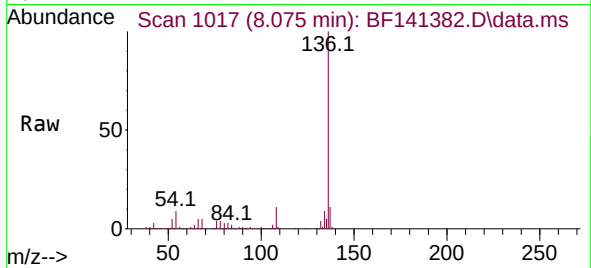




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF141382.D
Acq: 03 Feb 2025 21:17

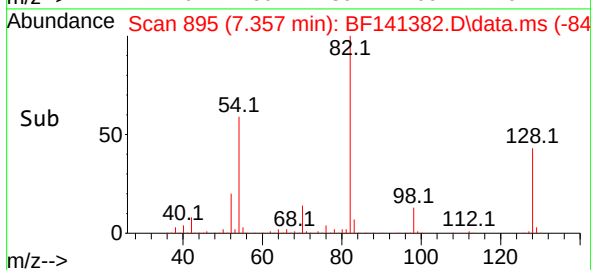
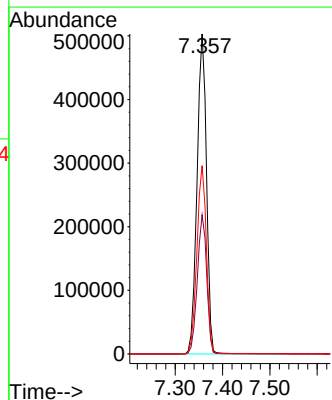
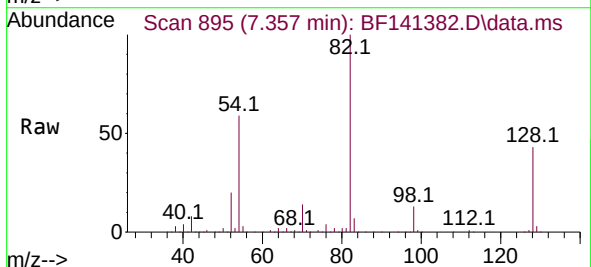
Instrument :
BNA_F
ClientSampleId :
JPP-42.1-012925

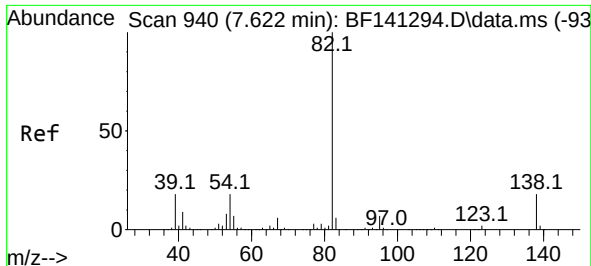
Tgt Ion:136	Resp: 351714
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 13.0
54 9.0	7.8 11.8
68 5.0	4.9 7.3



#23
Nitrobenzene-d5
Concen: 104.932 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF141382.D
Acq: 03 Feb 2025 21:17

Tgt Ion: 82	Resp: 700084
Ion Ratio	Lower Upper
82 100	
128 43.4	35.7 53.5
54 58.8	47.1 70.7

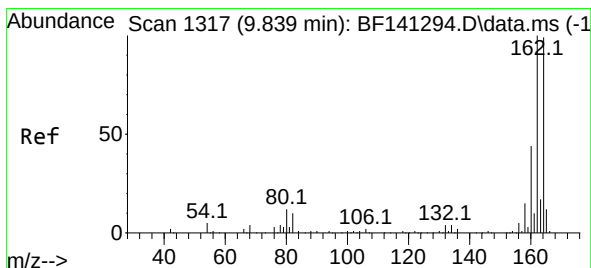
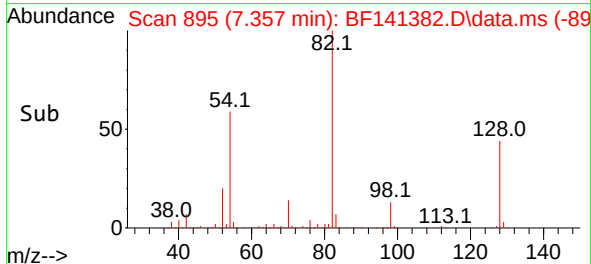
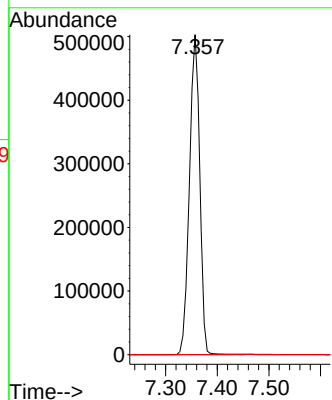
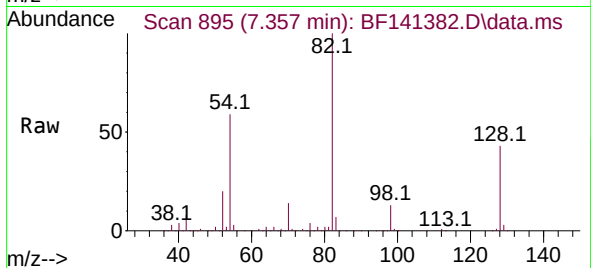




#25
Isophorone
Concen: 60.205 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF141382.D
Acq: 03 Feb 2025 21:17

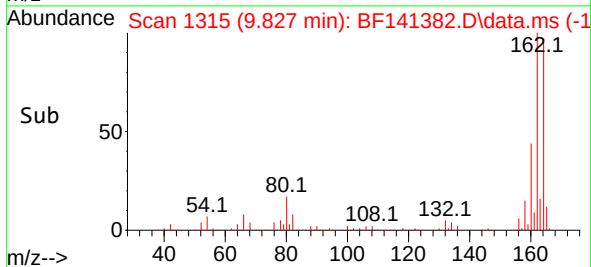
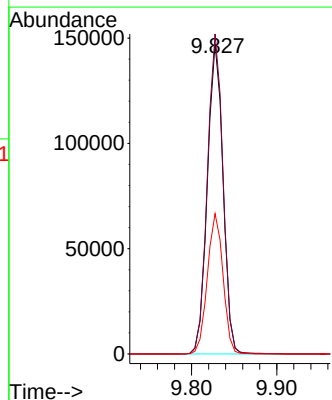
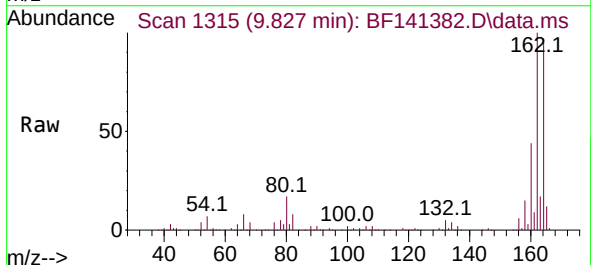
Instrument :
BNA_F
ClientSampleId :
JPP-42.1-012925

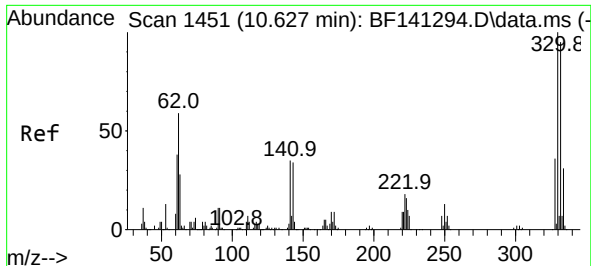
Tgt Ion: 82 Resp: 694332
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141382.D
Acq: 03 Feb 2025 21:17

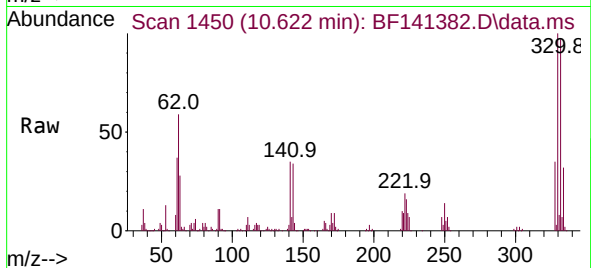
Tgt Ion:164 Resp: 188139
Ion Ratio Lower Upper
164 100
162 103.1 80.6 121.0
160 45.2 35.8 53.6



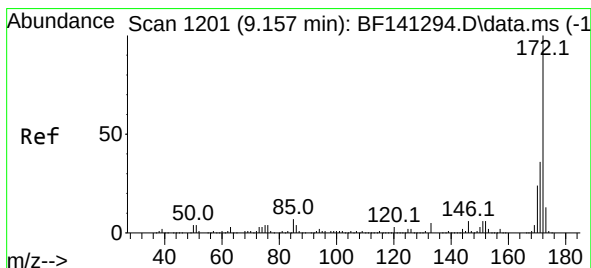
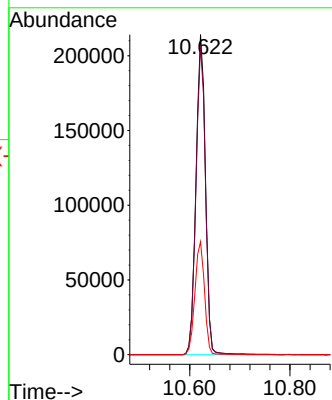
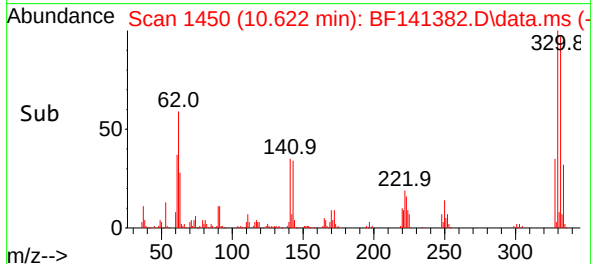


#42
2,4,6-Tribromophenol
Concen: 162.507 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF141382.D
Acq: 03 Feb 2025 21:17

Instrument :
BNA_F
ClientSampleId :
JPP-42.1-012925

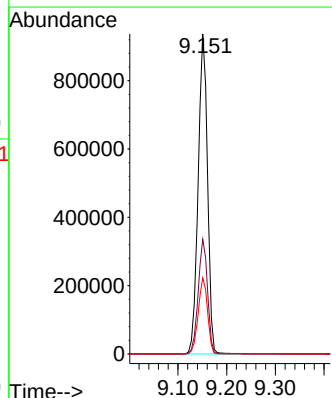
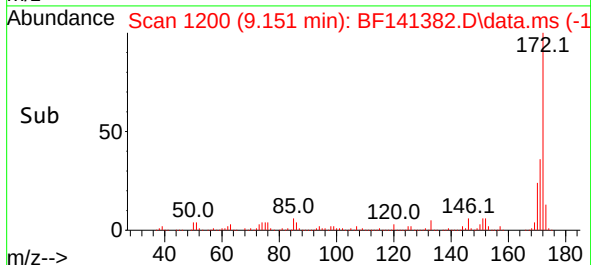
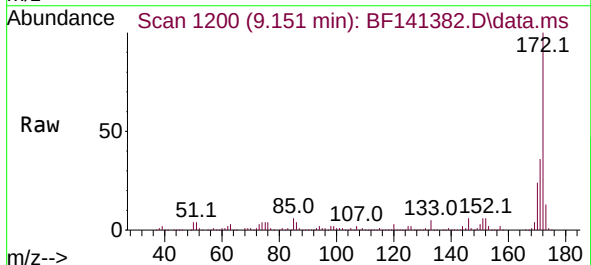


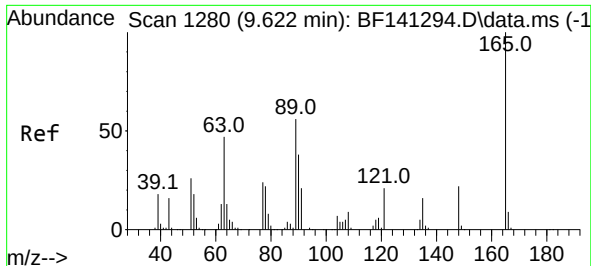
Tgt Ion:330 Resp: 280292
Ion Ratio Lower Upper
330 100
332 96.8 76.1 114.1
141 36.0 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 103.040 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141382.D
Acq: 03 Feb 2025 21:17

Tgt Ion:172 Resp: 1259480
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.8 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.032 ng

RT: 9.827 min Scan# 1315

Delta R.T. 0.200 min

Lab File: BF141382.D

Acq: 03 Feb 2025 21:17

Instrument :

BNA_F

ClientSampleId :

JPP-42.1-012925

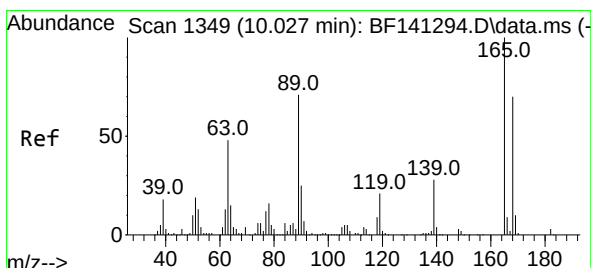
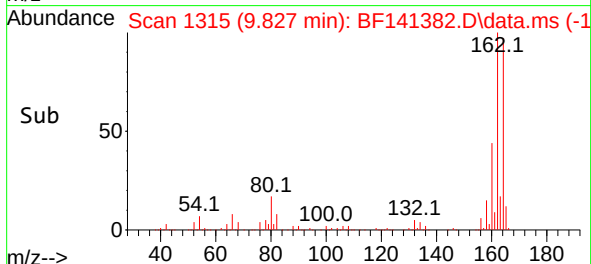
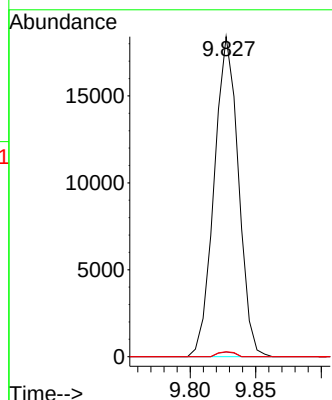
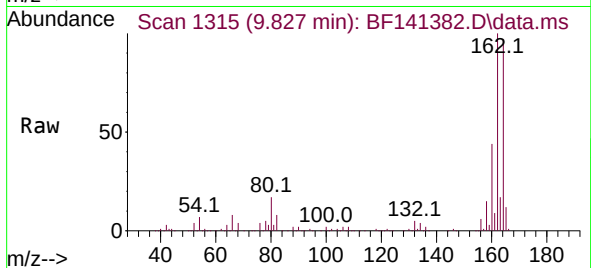
Tgt Ion:165 Resp: 23697

Ion Ratio Lower Upper

165 100

63 1.4 48.1 72.1#

89 1.6 44.9 67.3#



#57

2,4-Dinitrotoluene

Concen: 6.204 ng

RT: 9.827 min Scan# 1315

Delta R.T. -0.206 min

Lab File: BF141382.D

Acq: 03 Feb 2025 21:17

Tgt Ion:165 Resp: 23697

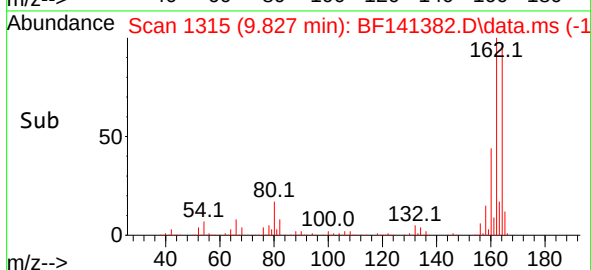
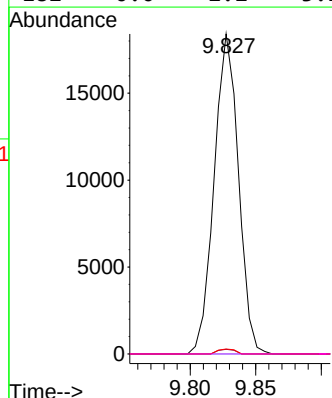
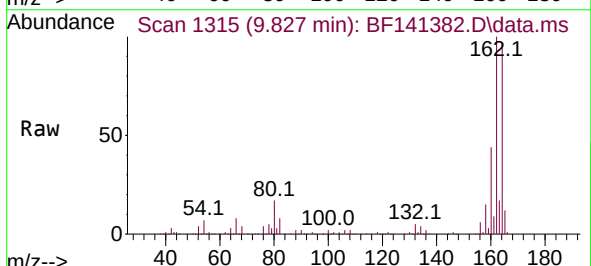
Ion Ratio Lower Upper

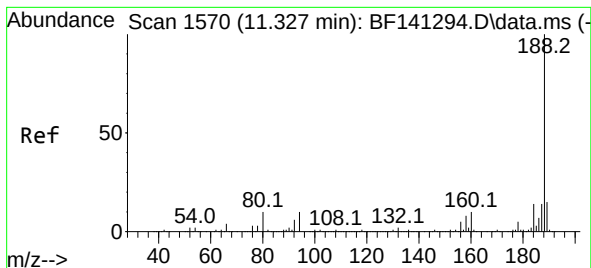
165 100

63 1.4 39.2 58.8#

89 1.6 56.9 85.3#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141382.D

Acq: 03 Feb 2025 21:17

Instrument :

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ClientSampleId :

JPP-42.1-012925

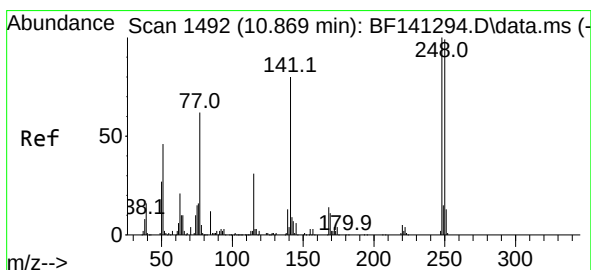
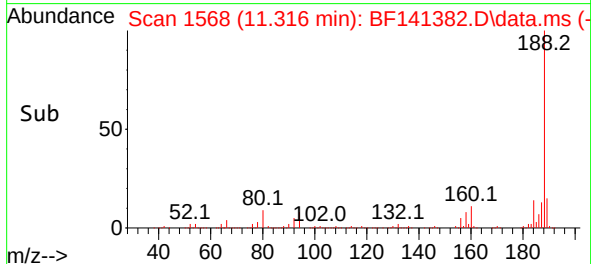
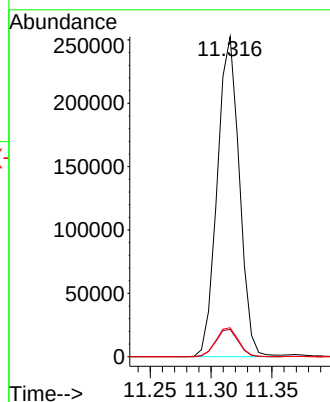
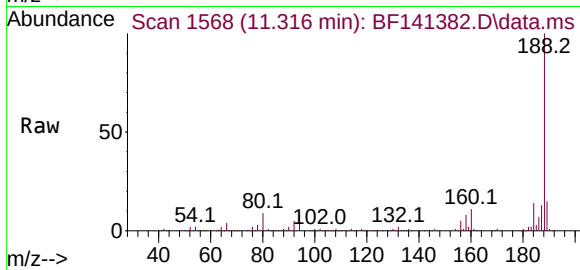
Tgt Ion:188 Resp: 319169

Ion Ratio Lower Upper

188 100

94 8.5 7.8 11.6

80 9.1 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 5.278 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF141382.D

Acq: 03 Feb 2025 21:17

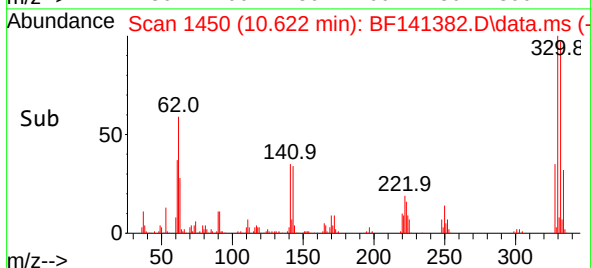
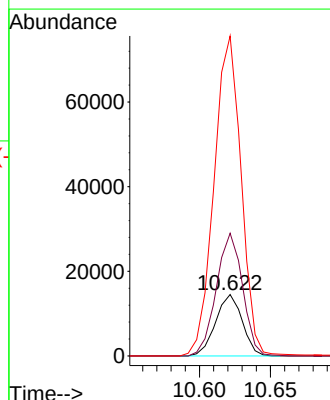
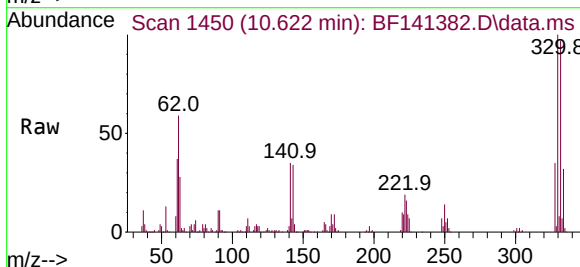
Tgt Ion:248 Resp: 18860

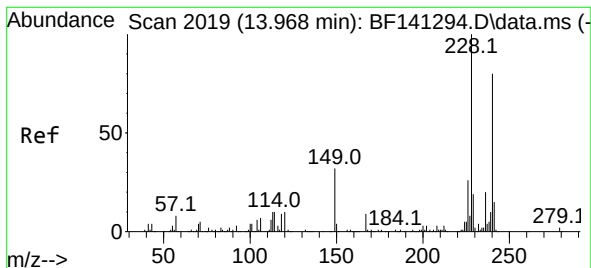
Ion Ratio Lower Upper

248 100

250 199.6 79.0 118.4#

141 520.7 63.7 95.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141382.D

Acq: 03 Feb 2025 21:17

Instrument :

BNA_F

ClientSampleId :

JPP-42.1-012925

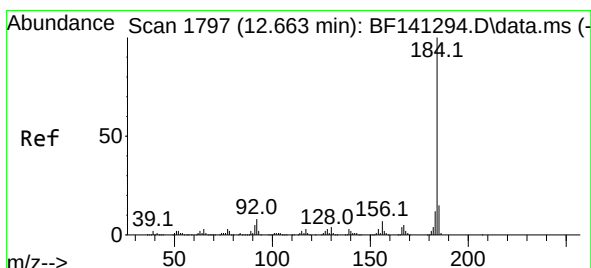
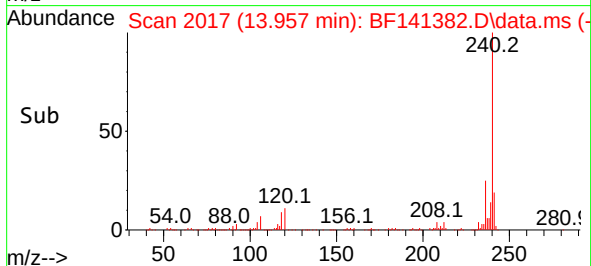
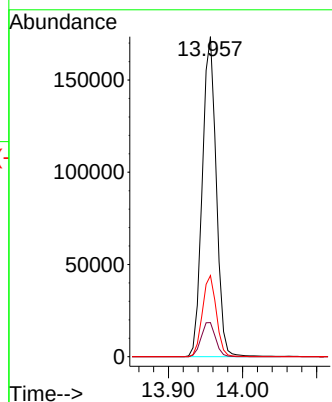
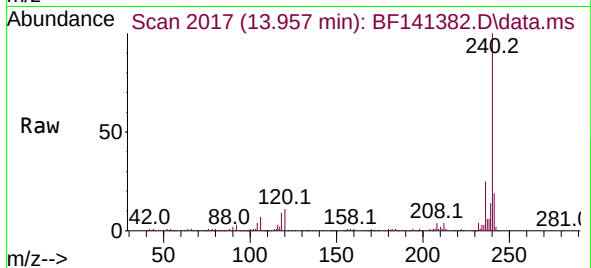
Tgt Ion:240 Resp: 226990

Ion Ratio Lower Upper

240 100

120 10.7 10.0 15.0

236 25.4 19.7 29.5



#77

Benzidine

Concen: 2.516 ng

RT: 12.910 min Scan# 1839

Delta R.T. 0.247 min

Lab File: BF141382.D

Acq: 03 Feb 2025 21:17

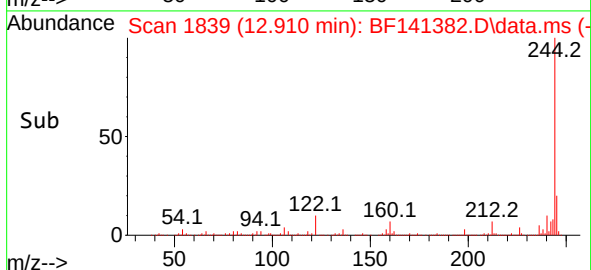
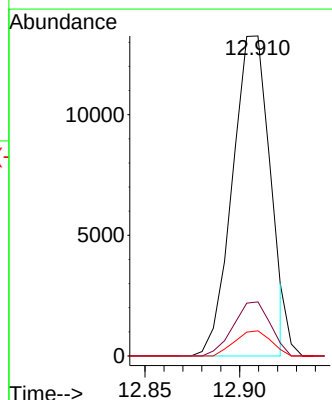
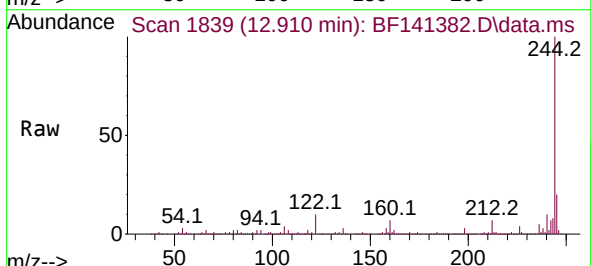
Tgt Ion:184 Resp: 18309

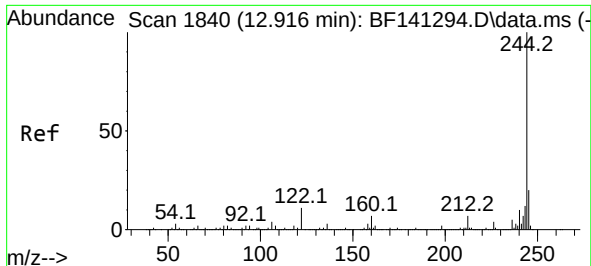
Ion Ratio Lower Upper

184 100

185 16.9 11.9 17.9

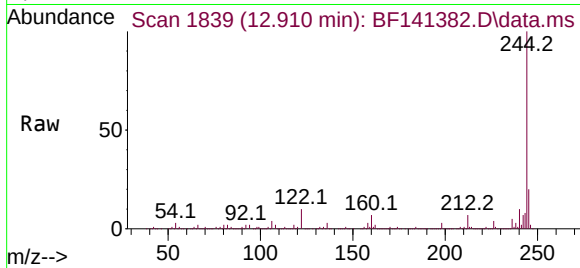
183 7.9 9.5 14.3#



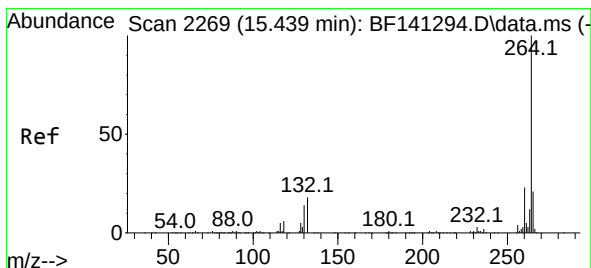
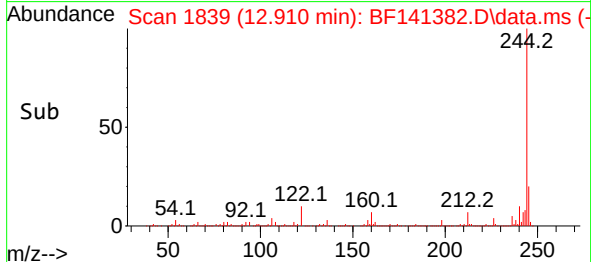
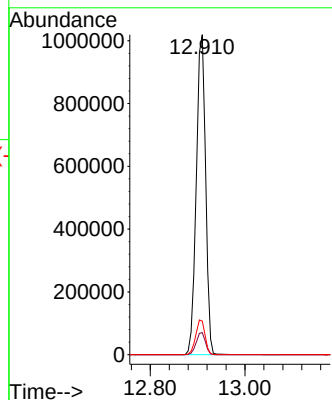


#79
 Terphenyl-d14
 Concen: 94.570 ng
 RT: 12.910 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF141382.D
 Acq: 03 Feb 2025 21:17

Instrument :
 BNA_F
 ClientSampleId :
 JPP-42.1-012925



Tgt Ion:244 Resp: 1391951
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.5 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.409 min Scan# 2264
 Delta R.T. -0.030 min
 Lab File: BF141382.D
 Acq: 03 Feb 2025 21:17

Tgt Ion:264 Resp: 160771
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.6 27.8
 265 21.1 16.7 25.1

