

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139894.D
 Acq On : 21 Oct 2024 10:58
 Operator : RC/JU
 Sample : P4430-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-209

Quant Time: Oct 21 11:19:19 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)

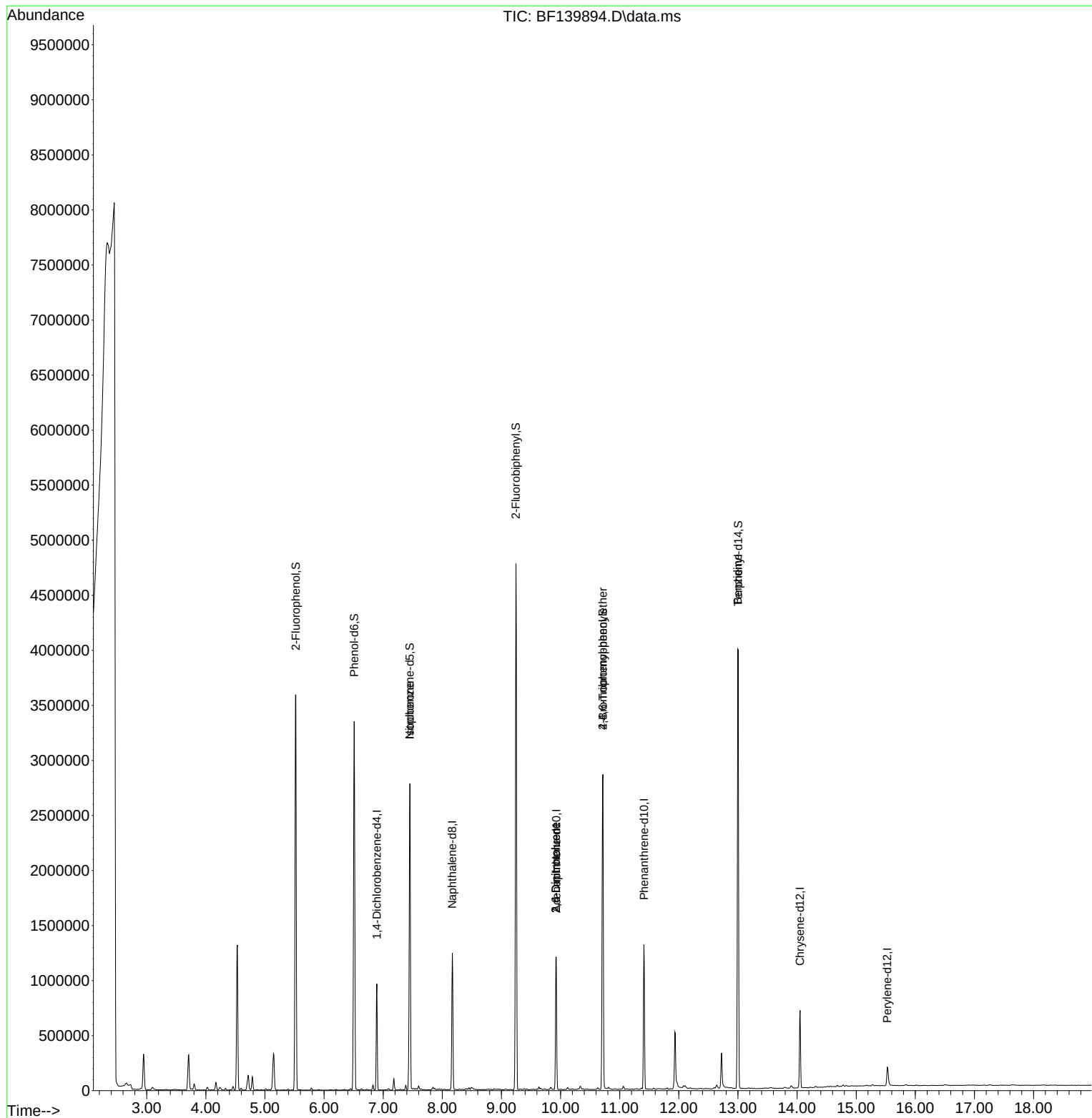
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	191379	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	735596	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	348508	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	674496	20.000	ng	0.00
76) Chrysene-d12	14.051	240	306144	20.000	ng	0.00
86) Perylene-d12	15.527	264	55434	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1436881	117.537	ng	0.02
7) Phenol-d6	6.510	99	1604068	101.310	ng	0.00
23) Nitrobenzene-d5	7.451	82	1276419	96.172	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	530094	162.614	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	2143238	101.637	ng	0.00
79) Terphenyl-d14	13.004	244	2103856	111.980	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.451	82	1274594	50.598	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	45073	9.590	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	45073	7.798	ng	# 21
67) 4-Bromophenyl-phenylether	10.716	248	34802	5.009	ng	# 1
77) Benzidine	12.998	184	26335	5.231	ng	# 92

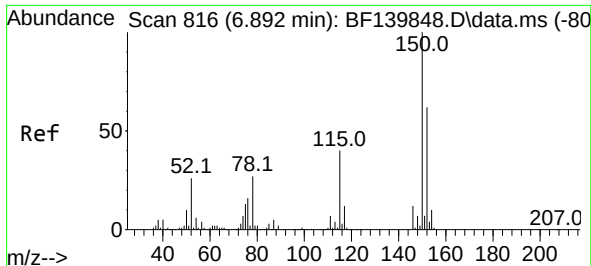
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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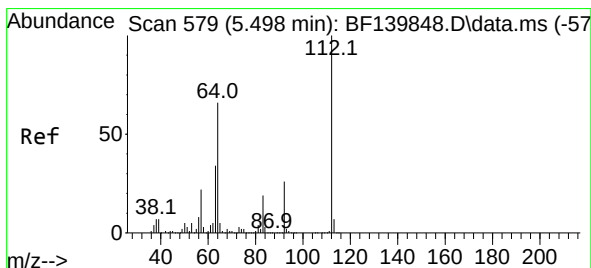
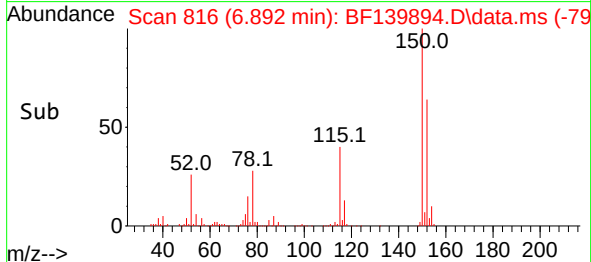
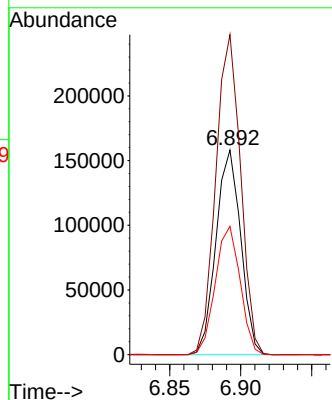
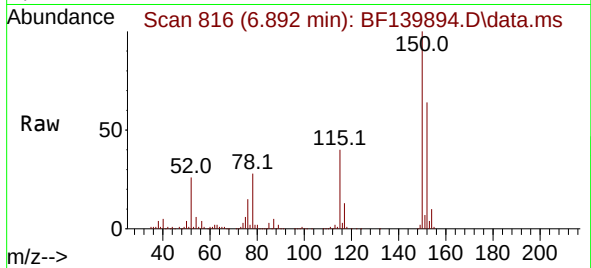




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 816
 Delta R.T. 0.000 min
 Lab File: BF139894.D
 Acq: 21 Oct 2024 10:58

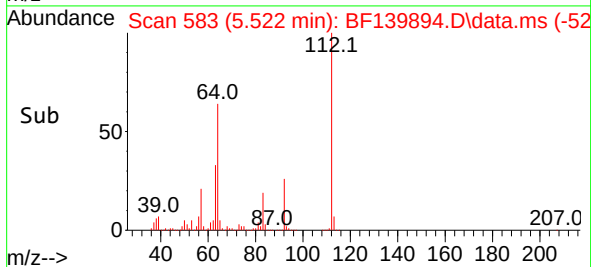
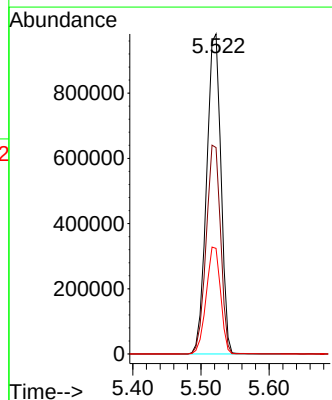
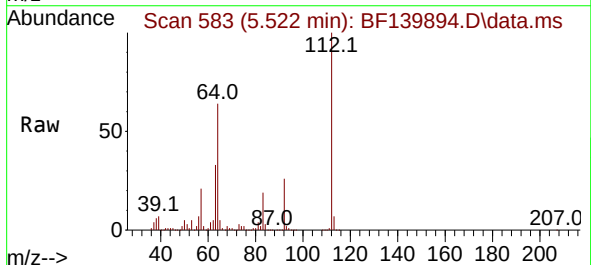
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-209

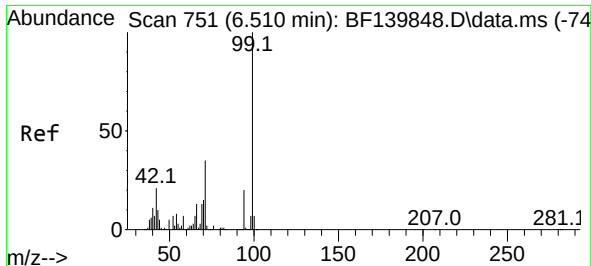
Tgt Ion:152 Resp: 191379
 Ion Ratio Lower Upper
 152 100
 150 156.3 130.2 195.2
 115 62.7 51.4 77.2



#5
 2-Fluorophenol
 Concen: 117.537 ng
 RT: 5.522 min Scan# 583
 Delta R.T. 0.024 min
 Lab File: BF139894.D
 Acq: 21 Oct 2024 10:58

Tgt Ion:112 Resp: 1436881
 Ion Ratio Lower Upper
 112 100
 64 64.5 53.0 79.6
 63 33.0 27.0 40.4

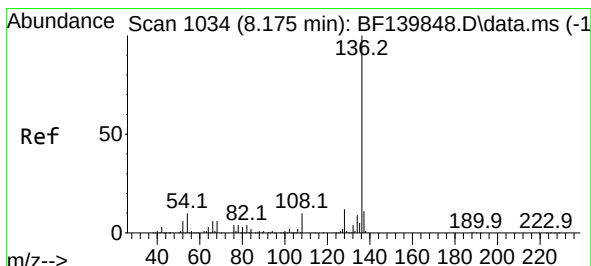
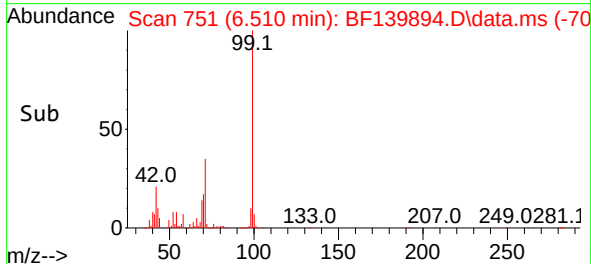
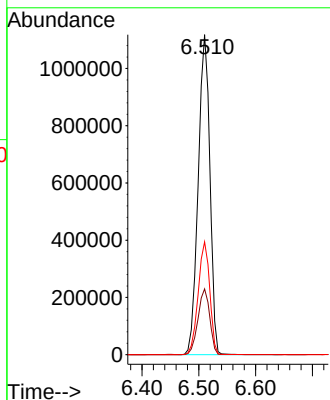
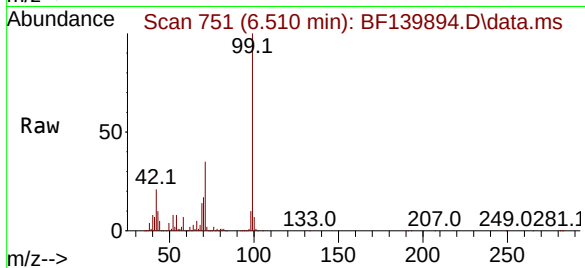




#7
Phenol-d6
Concen: 101.310 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF139894.D
Acq: 21 Oct 2024 10:58

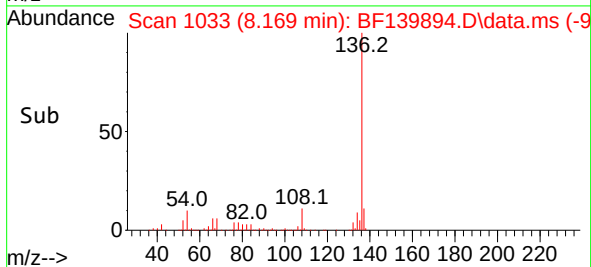
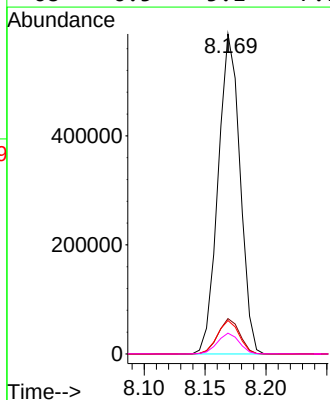
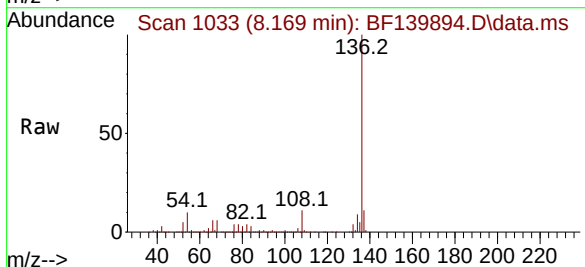
Instrument :
BNA_F
ClientSampleId :
VNJ-209

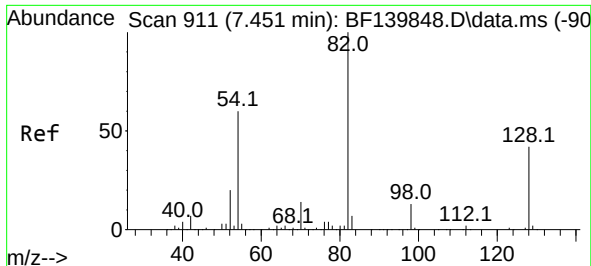
Tgt Ion: 99 Resp: 1604068
Ion Ratio Lower Upper
99 100
42 20.6 16.7 25.1
71 35.2 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139894.D
Acq: 21 Oct 2024 10:58

Tgt Ion: 136 Resp: 735596
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.4 8.4 12.6
68 6.5 5.1 7.7





#23

Nitrobenzene-d5

Concen: 96.172 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139894.D

Acq: 21 Oct 2024 10:58

Instrument :

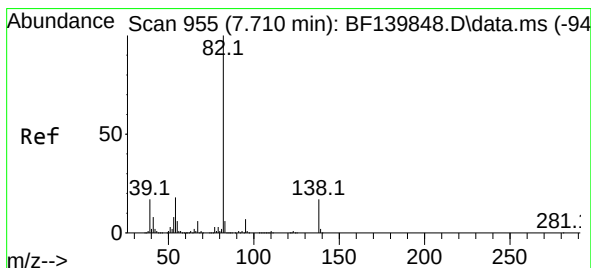
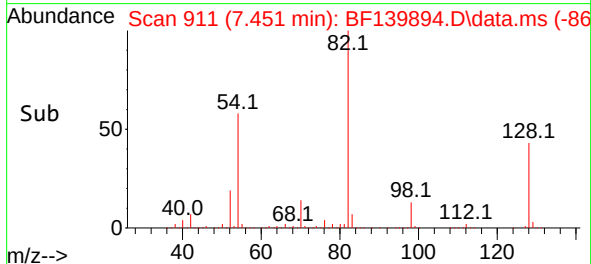
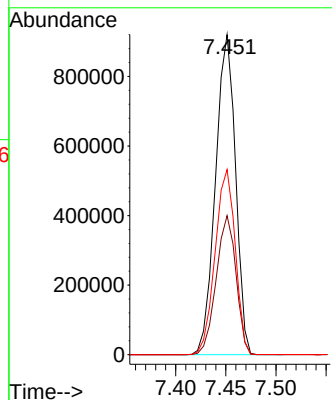
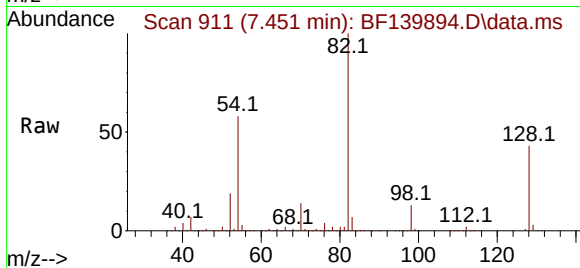
BNA_F

ClientSampleId :

VNJ-209

Tgt Ion: 82 Resp: 1276419

Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.4	50.0
54	57.8	47.8	71.8



#25

Isophorone

Concen: 50.598 ng

RT: 7.451 min Scan# 911

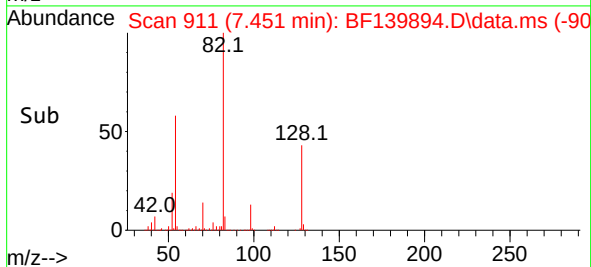
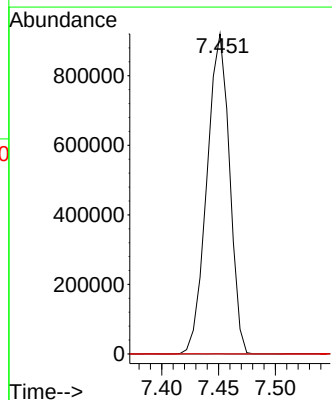
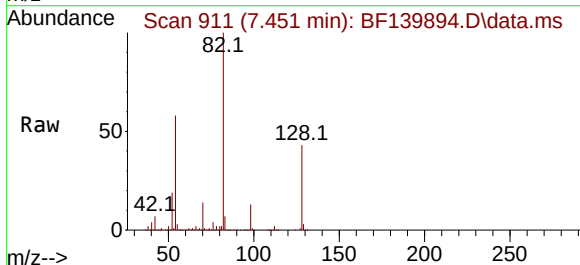
Delta R.T. -0.259 min

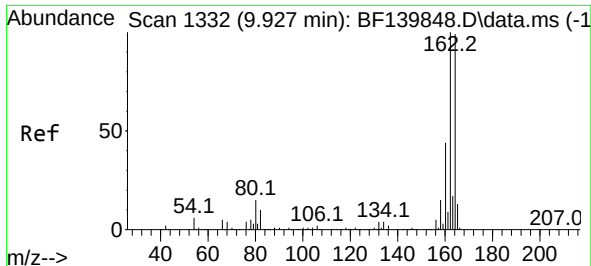
Lab File: BF139894.D

Acq: 21 Oct 2024 10:58

Tgt Ion: 82 Resp: 1274594

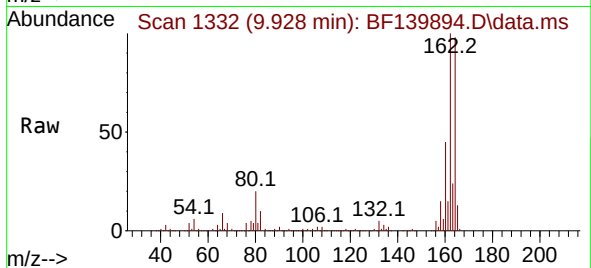
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.5	8.3#
138	0.0	13.2	19.8#



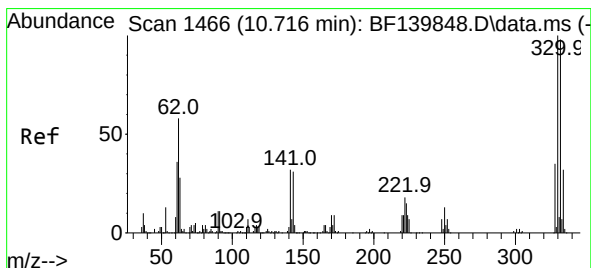
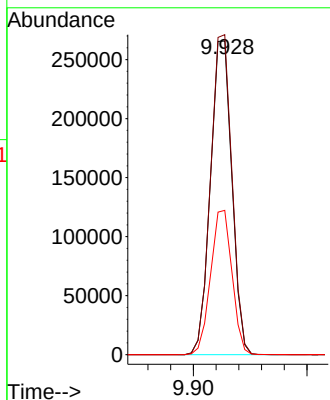
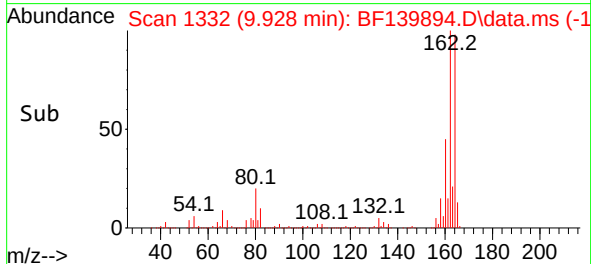


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF139894.D
Acq: 21 Oct 2024 10:58

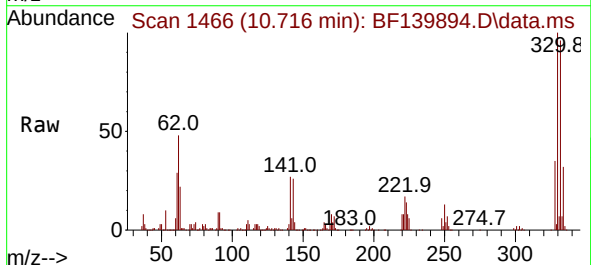
Instrument :
BNA_F
ClientSampleId :
VNJ-209



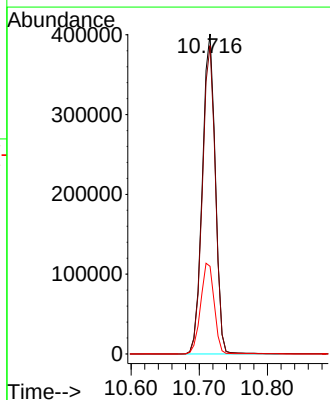
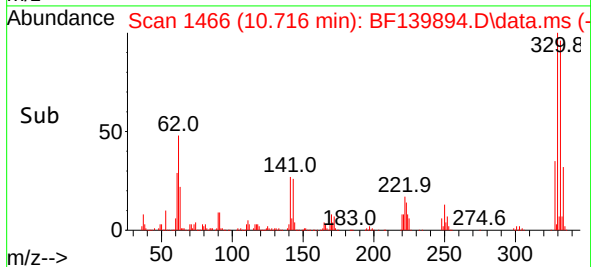
Tgt Ion:164 Resp: 348508
Ion Ratio Lower Upper
164 100
162 102.0 81.0 121.4
160 46.0 35.4 53.0

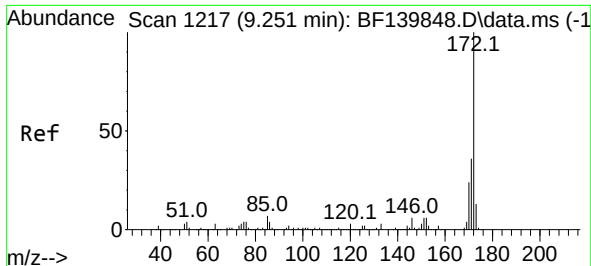


#42
2,4,6-Tribromophenol
Concen: 162.614 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139894.D
Acq: 21 Oct 2024 10:58



Tgt Ion:330 Resp: 530094
Ion Ratio Lower Upper
330 100
332 96.5 78.1 117.1
141 29.8 26.6 39.8





#45

2-Fluorobiphenyl

Concen: 101.637 ng

RT: 9.245 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139894.D

Acq: 21 Oct 2024 10:58

Instrument :

BNA_F

ClientSampleId :

VNJ-209

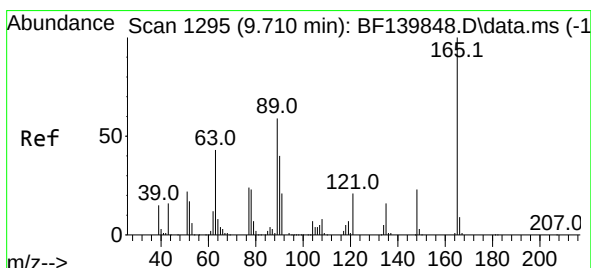
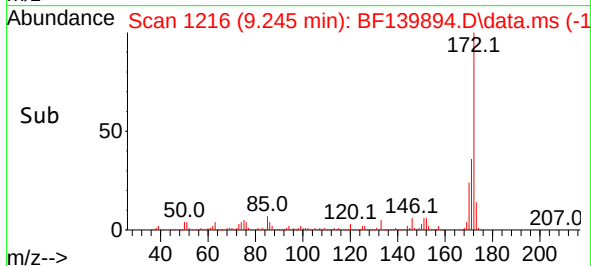
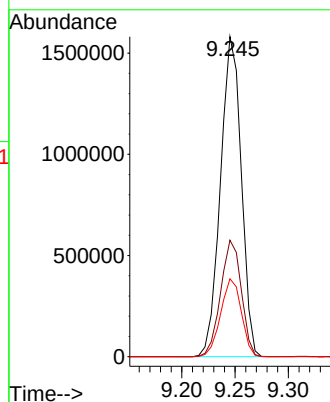
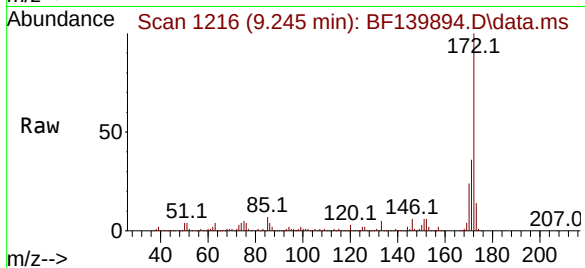
Tgt Ion:172 Resp: 2143238

Ion Ratio Lower Upper

172 100

171 36.4 28.6 43.0

170 24.3 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 9.590 ng

RT: 9.922 min Scan# 1331

Delta R.T. 0.212 min

Lab File: BF139894.D

Acq: 21 Oct 2024 10:58

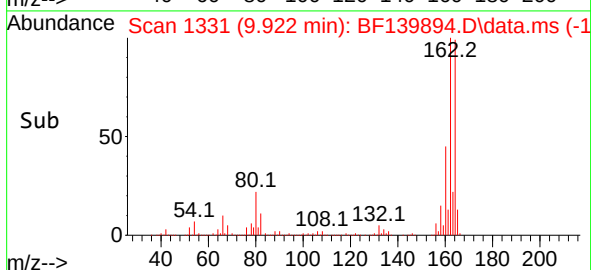
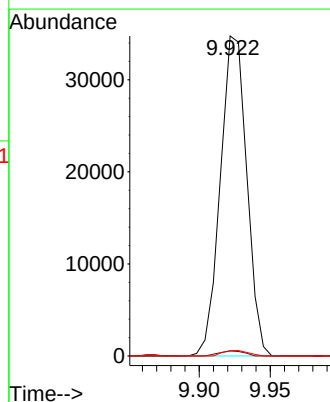
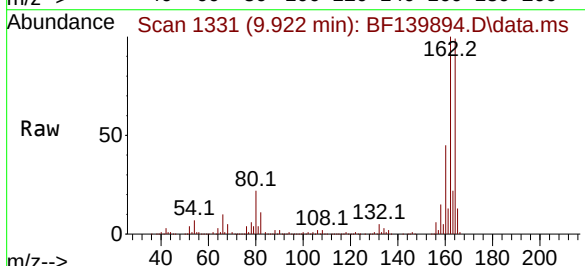
Tgt Ion:165 Resp: 45073

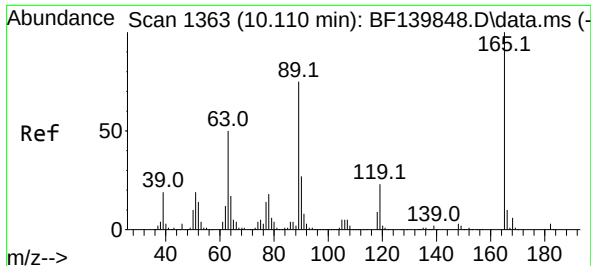
Ion Ratio Lower Upper

165 100

63 1.6 50.6 75.8#

89 1.7 47.5 71.3#

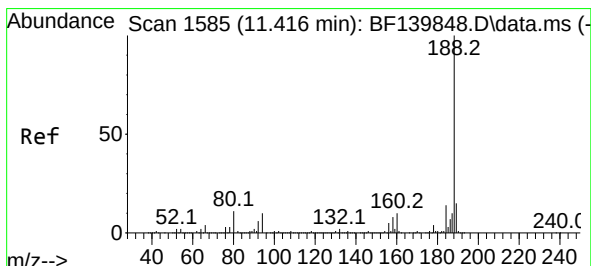
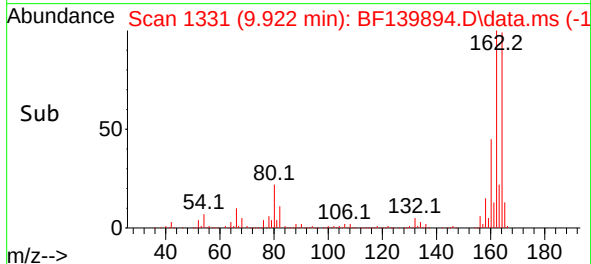
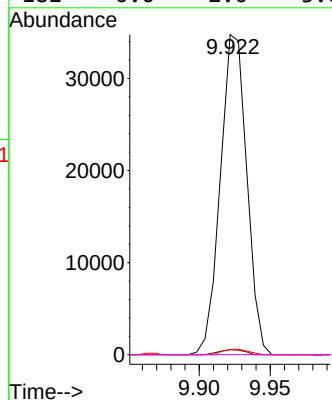
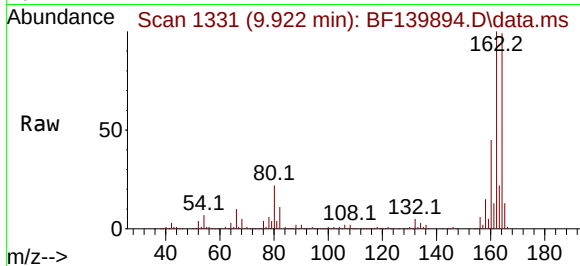




#57
2,4-Dinitrotoluene
Concen: 7.798 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF139894.D
Acq: 21 Oct 2024 10:58

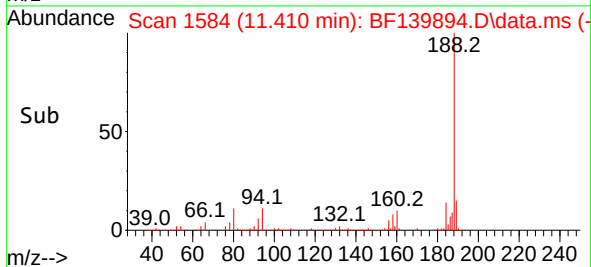
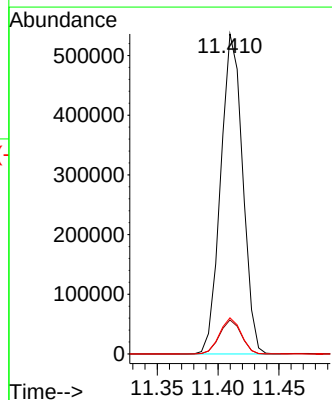
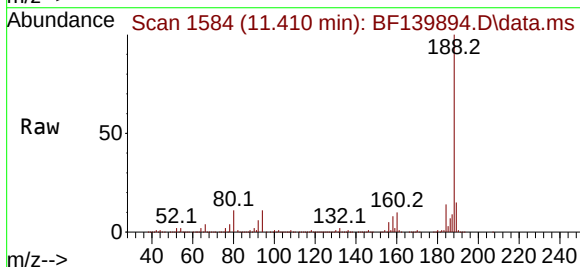
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VNJ-209

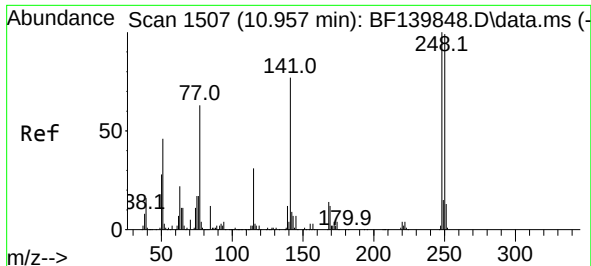
Tgt Ion:165 Resp: 45073
Ion Ratio Lower Upper
165 100
63 1.6 40.1 60.1#
89 1.7 60.4 90.6#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139894.D
Acq: 21 Oct 2024 10:58

Tgt Ion:188 Resp: 674496
Ion Ratio Lower Upper
188 100
94 10.7 7.9 11.9
80 11.3 9.0 13.4

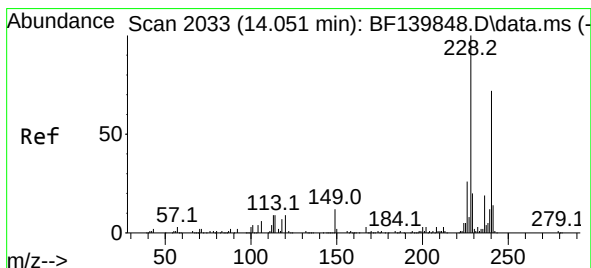
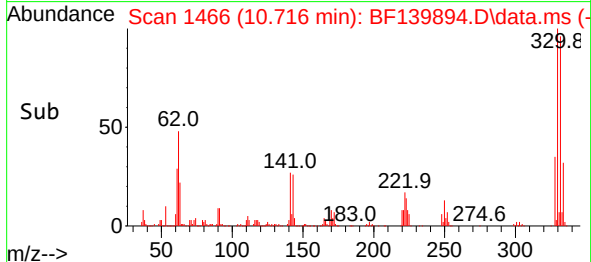
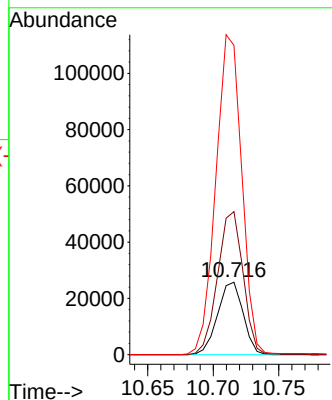
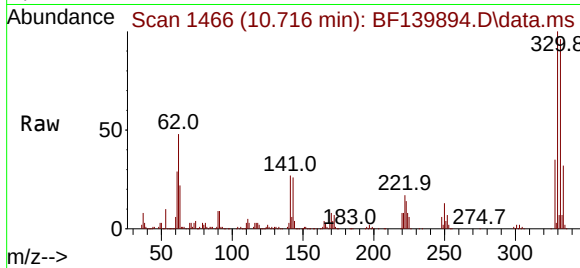




#67
4-Bromophenyl-phenylether
Concen: 5.009 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.241 min
Lab File: BF139894.D
Acq: 21 Oct 2024 10:58

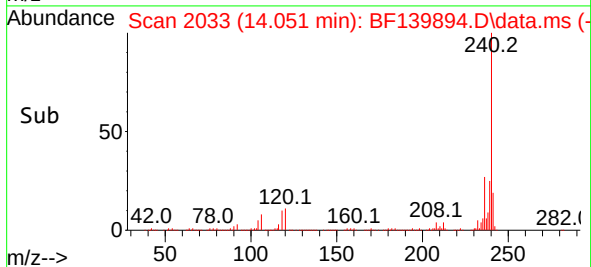
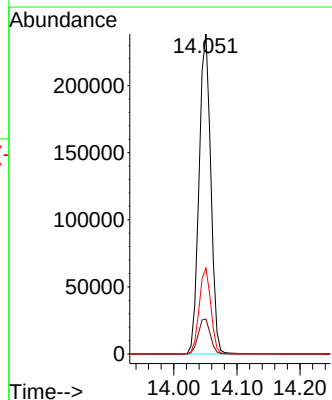
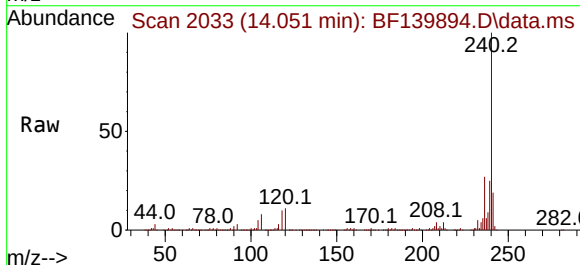
Instrument :
BNA_F
ClientSampleId :
VNJ-209

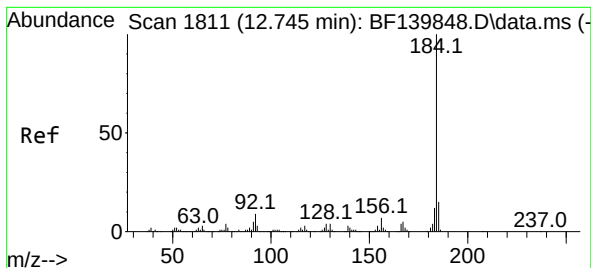
Tgt Ion:248 Resp: 34802
Ion Ratio Lower Upper
248 100
250 197.5 79.0 118.6#
141 427.2 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139894.D
Acq: 21 Oct 2024 10:58

Tgt Ion:240 Resp: 306144
Ion Ratio Lower Upper
240 100
120 10.9 9.4 14.2
236 26.8 20.9 31.3





#77

Benzidine

Concen: 5.231 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.253 min

Lab File: BF139894.D

Acq: 21 Oct 2024 10:58

Instrument :

BNA_F

ClientSampleId :

VNJ-209

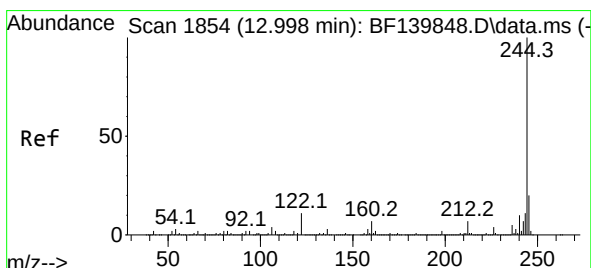
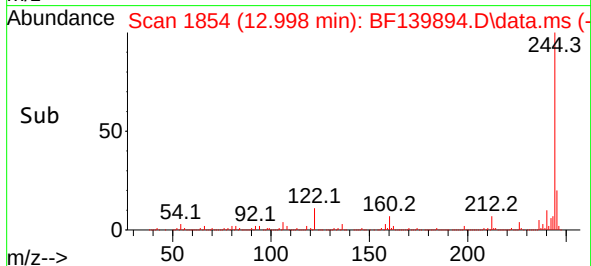
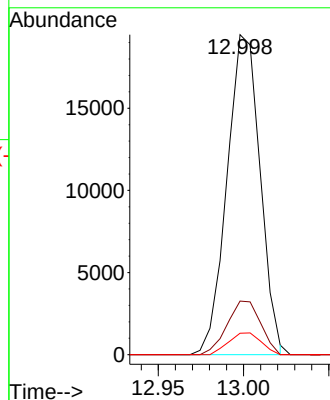
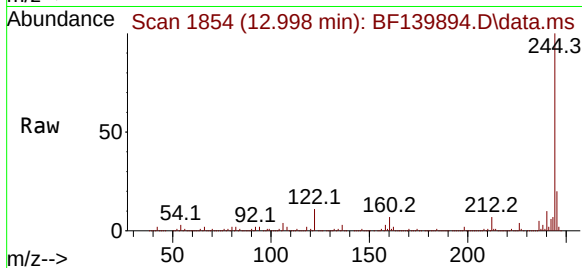
Tgt Ion:184 Resp: 26335

Ion Ratio Lower Upper

184 100

185 16.8 12.0 18.0

183 6.7 9.4 14.2#



#79

Terphenyl-d14

Concen: 111.980 ng

RT: 13.004 min Scan# 1855

Delta R.T. 0.006 min

Lab File: BF139894.D

Acq: 21 Oct 2024 10:58

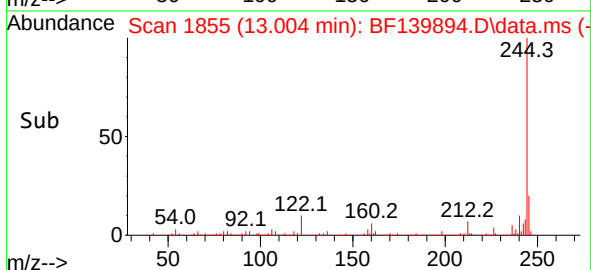
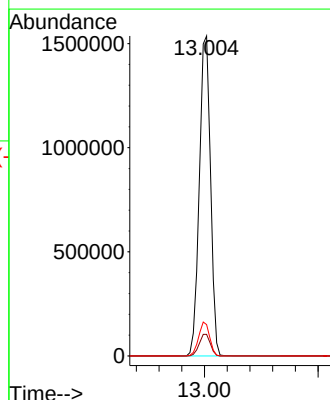
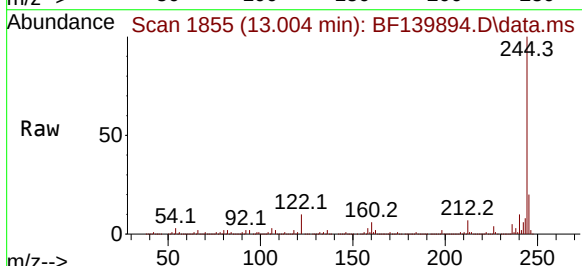
Tgt Ion:244 Resp: 2103856

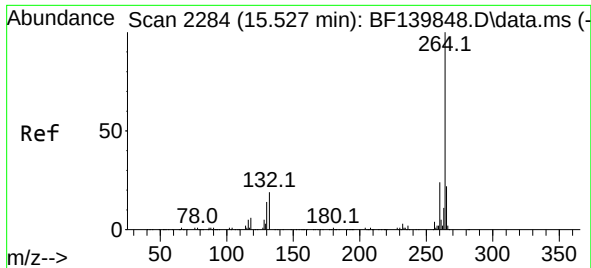
Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 9.8 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: BF139894.D
Acq: 21 Oct 2024 10:58

Instrument :
BNA_F
ClientSampleId :
VNJ-209

Tgt Ion:264 Resp: 55434
Ion Ratio Lower Upper
264 100
260 37.9 19.4 29.2#
265 20.7 17.4 26.0

