

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120823\
 Data File : BF136469.D
 Acq On : 08 Dec 2023 16:04
 Operator : CG\JU
 Sample : 05629-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-216

Quant Time: Dec 08 16:27:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

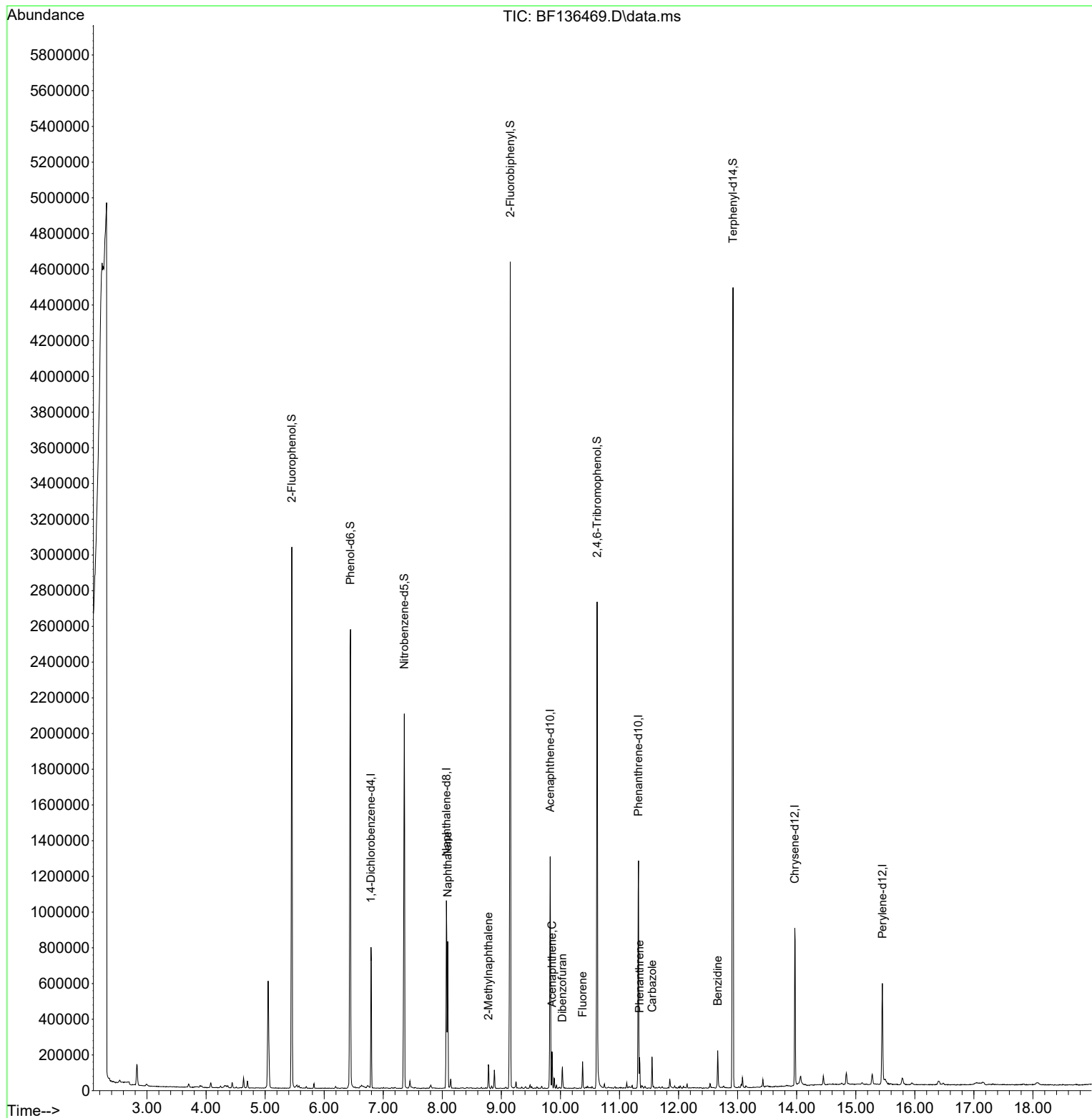
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	119423	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	485790	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	249652	20.000	ng	-0.01
64) Phenanthrene-d10	11.321	188	463735	20.000	ng	0.00
76) Chrysene-d12	13.968	240	305088	20.000	ng	#-0.01
86) Perylene-d12	15.451	264	250443	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	939805	116.220	ng	0.02
7) Phenol-d6	6.445	99	1091890	108.225	ng	0.00
23) Nitrobenzene-d5	7.357	82	791920	88.128	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	383715	124.654	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1569316	85.773	ng	-0.01
79) Terphenyl-d14	12.921	244	1688091	72.929	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.092	128	354808	13.244	ng	98
37) 2-Methylnaphthalene	8.780	142	37568	2.204	ng	87
52) Acenaphthene	9.857	154	42096	2.789	ng	100
55) Dibenzofuran	10.033	168	45723	2.074	ng	95
58) Fluorene	10.374	166	38528	2.177	ng	92
71) Phenanthrene	11.339	178	60027	2.355	ng	99
73) Carbazole	11.551	167	63987	2.816	ng	98
77) Benzidine	12.663	184	77934	17.177	ng	99

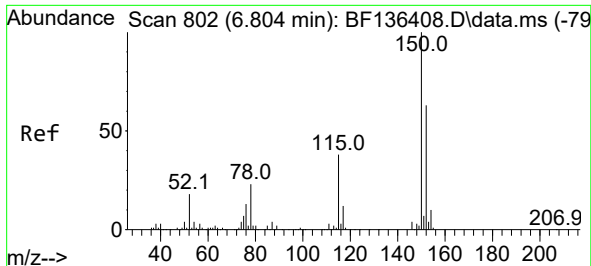
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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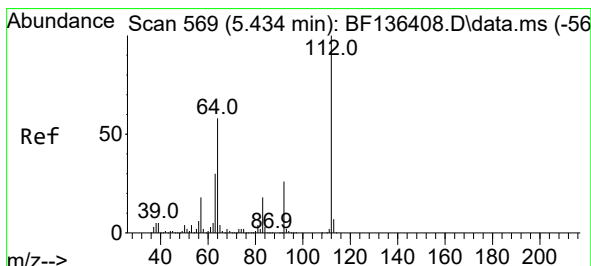
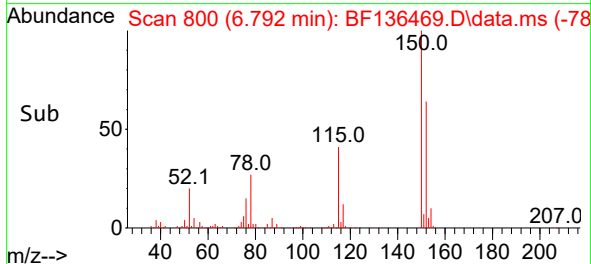
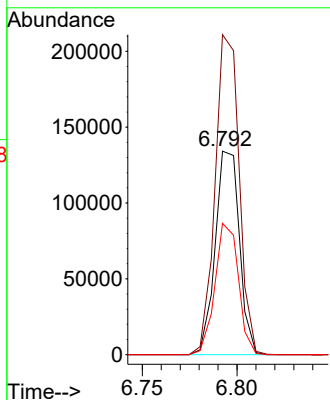
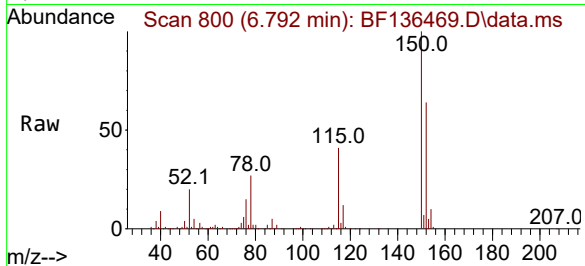




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 802
 Delta R.T. -0.012 min
 Lab File: BF136469.D
 Acq: 08 Dec 2023 16:04

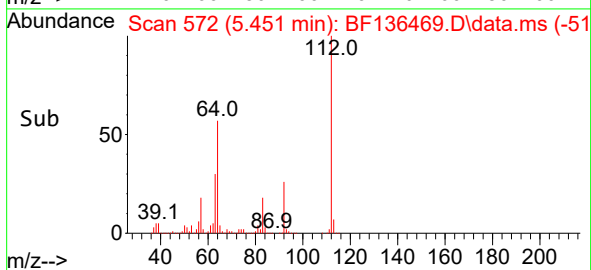
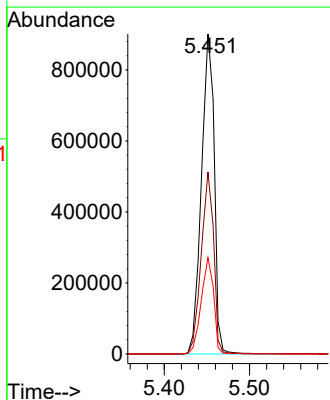
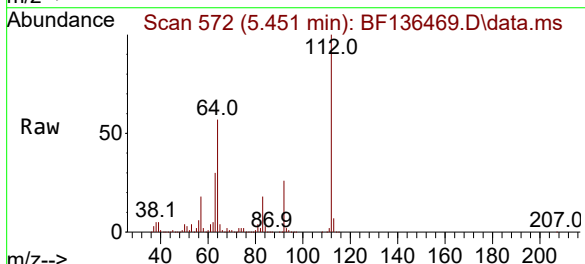
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-216

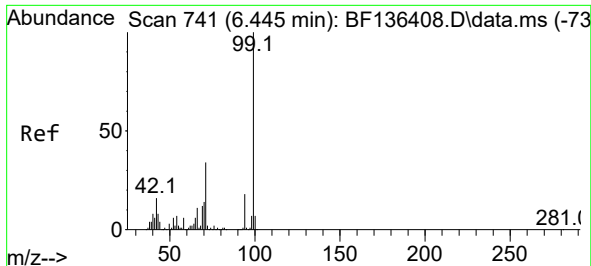
Tgt Ion:152 Resp: 119423
 Ion Ratio Lower Upper
 152 100
 150 157.2 126.4 189.6
 115 64.5 48.2 72.4



#5
 2-Fluorophenol
 Concen: 116.220 ng
 RT: 5.451 min Scan# 572
 Delta R.T. 0.018 min
 Lab File: BF136469.D
 Acq: 08 Dec 2023 16:04

Tgt Ion:112 Resp: 939805
 Ion Ratio Lower Upper
 112 100
 64 56.8 46.5 69.7
 63 30.1 23.9 35.9

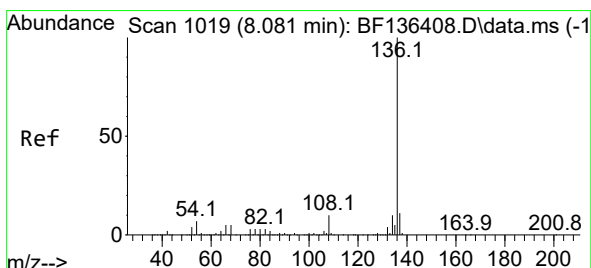
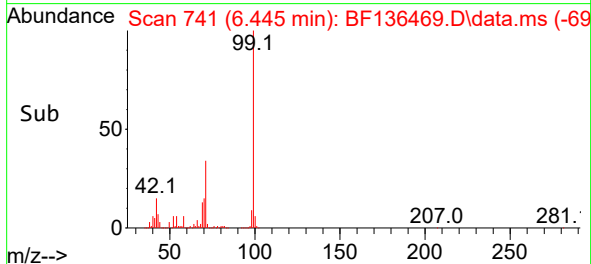
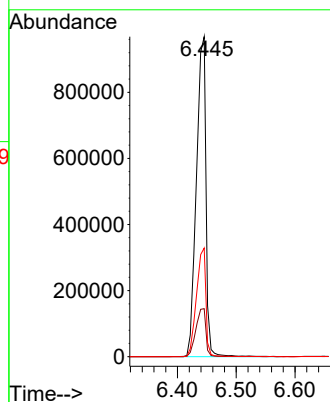
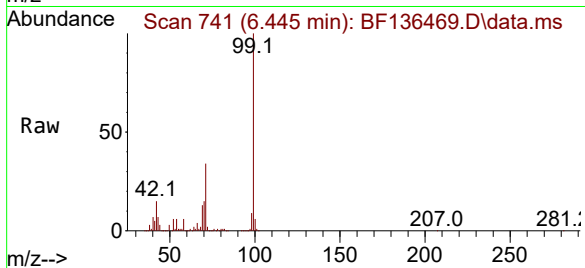




#7
Phenol-d6
Concen: 108.225 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

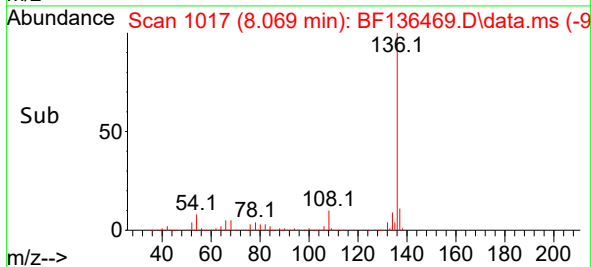
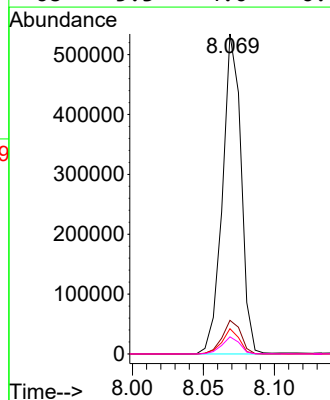
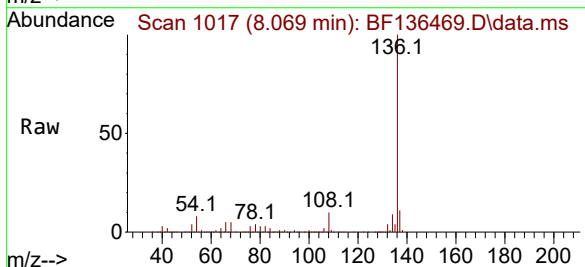
Instrument :
BNA_F
ClientSampleId :
VNJ-216

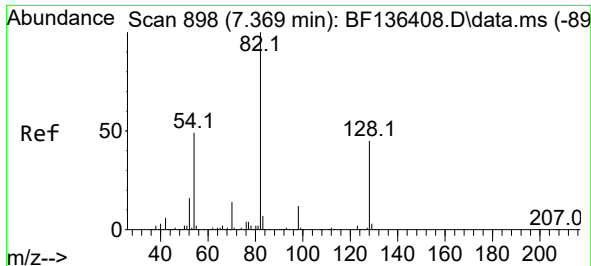
Tgt Ion: 99 Resp: 1091890
Ion Ratio Lower Upper
99 100
42 15.0 12.8 19.2
71 34.0 27.0 40.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

Tgt Ion:136 Resp: 485790
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 7.9 5.7 8.5
68 5.3 4.0 6.0





#23

Nitrobenzene-d5

Concen: 88.128 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136469.D

Acq: 08 Dec 2023 16:04

Instrument :

BNA_F

ClientSampleId :

VNJ-216

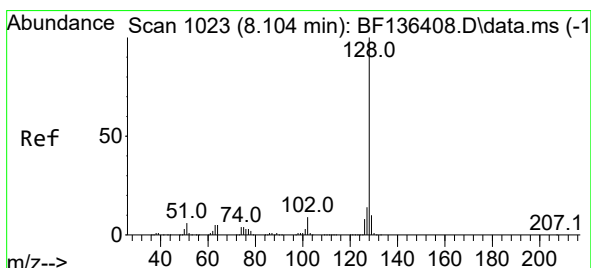
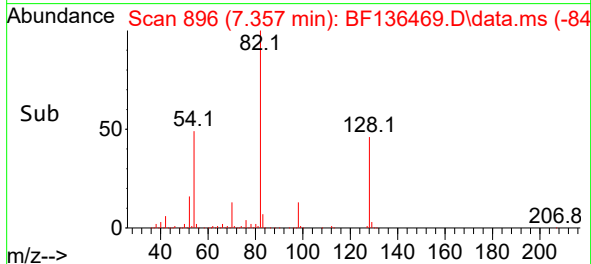
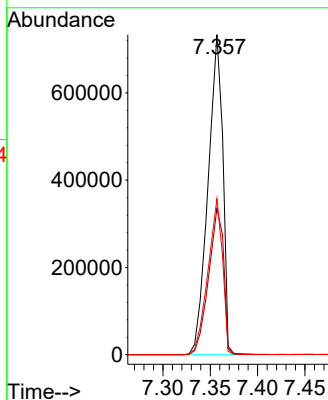
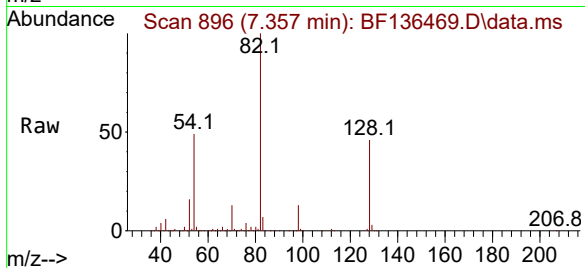
Tgt Ion: 82 Resp: 791920

Ion Ratio Lower Upper

82 100

128 45.7 36.3 54.5

54 48.7 39.0 58.6



#31

Naphthalene

Concen: 13.244 ng

RT: 8.092 min Scan# 1021

Delta R.T. -0.012 min

Lab File: BF136469.D

Acq: 08 Dec 2023 16:04

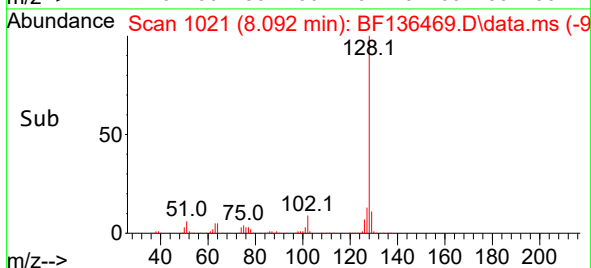
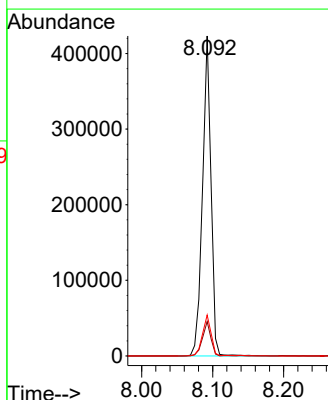
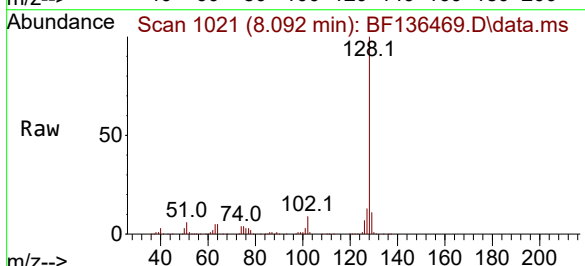
Tgt Ion: 128 Resp: 354808

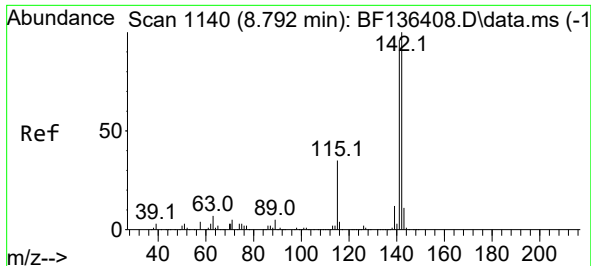
Ion Ratio Lower Upper

128 100

129 10.8 8.3 12.5

127 12.8 11.1 16.7

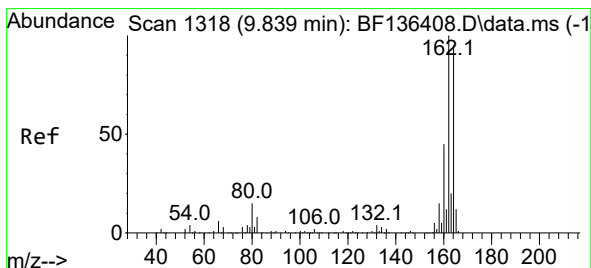
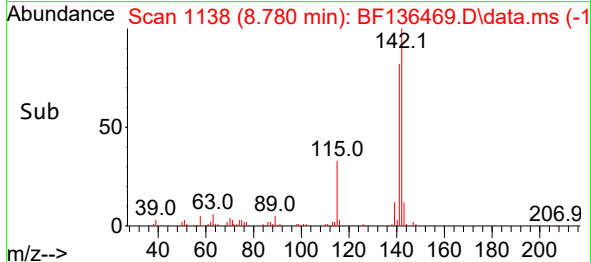
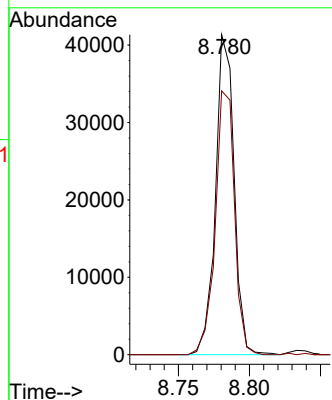
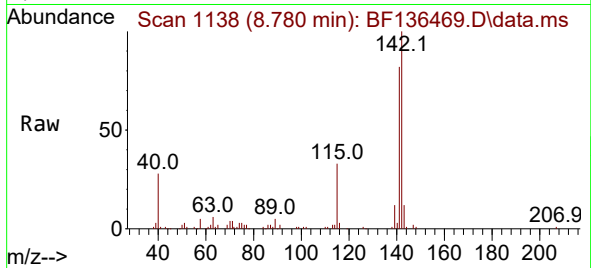




#37
2-Methylnaphthalene
Concen: 2.204 ng
RT: 8.780 min Scan# 1140
Delta R.T. -0.012 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

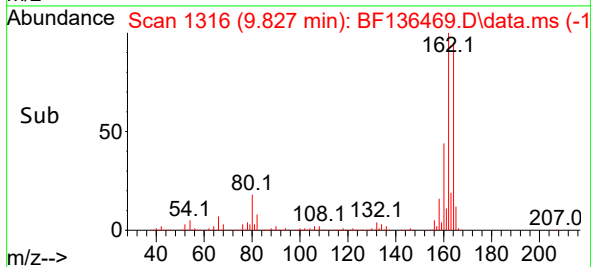
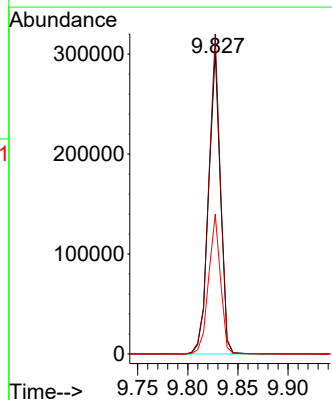
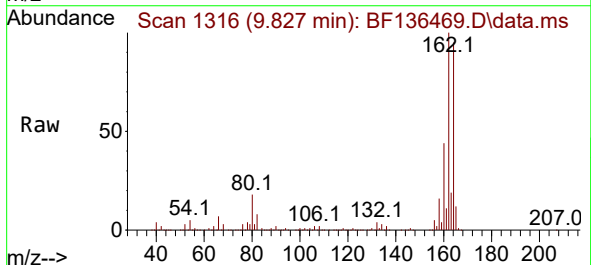
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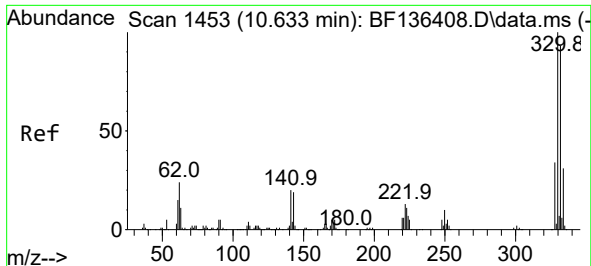
Tgt Ion:142 Resp: 37568
Ion Ratio Lower Upper
142 100
141 82.5 76.4 114.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

Tgt Ion:164 Resp: 249652
Ion Ratio Lower Upper
164 100
162 105.7 84.4 126.6
160 46.2 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 124.654 ng

RT: 10.621 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136469.D

Acq: 08 Dec 2023 16:04

Instrument :

BNA_F

ClientSampleId :

VNJ-216

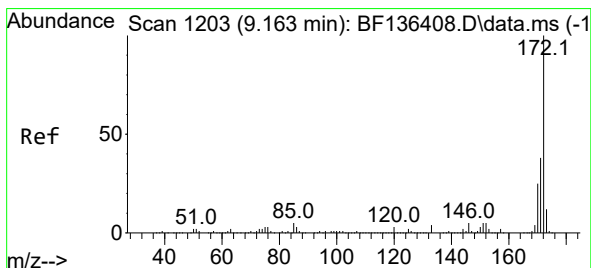
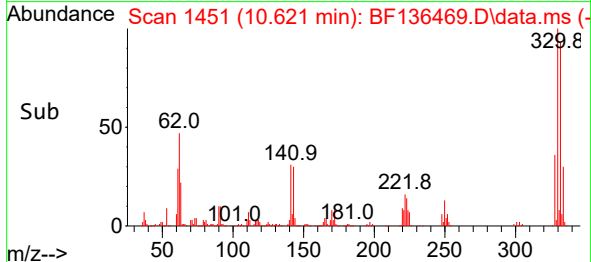
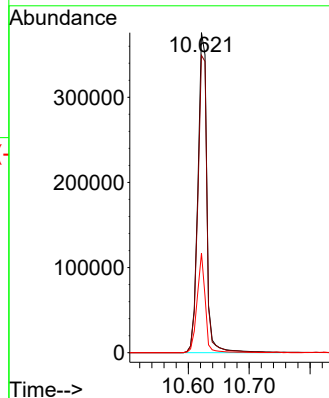
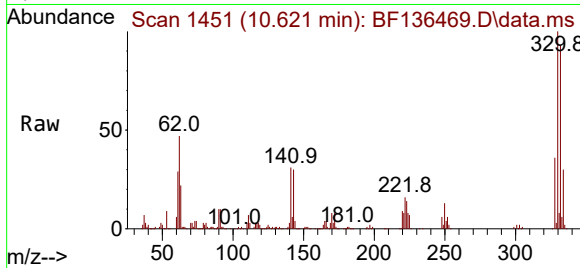
Tgt Ion:330 Resp: 383715

Ion Ratio Lower Upper

330 100

332 94.9 76.4 114.6

141 28.4 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 85.773 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136469.D

Acq: 08 Dec 2023 16:04

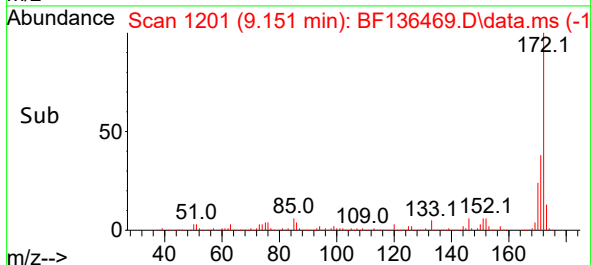
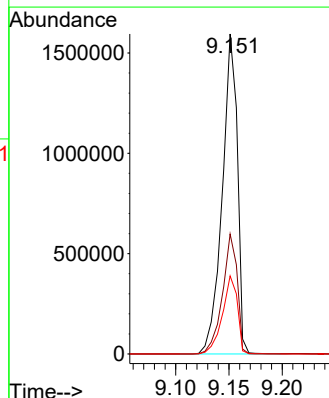
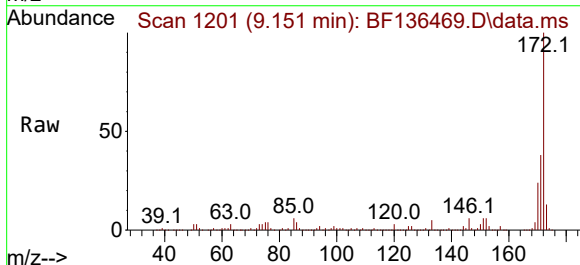
Tgt Ion:172 Resp: 1569316

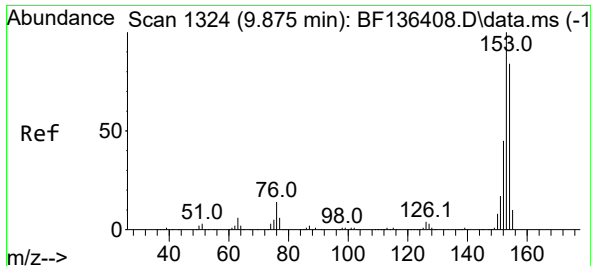
Ion Ratio Lower Upper

172 100

171 37.5 30.5 45.7

170 24.4 19.9 29.9

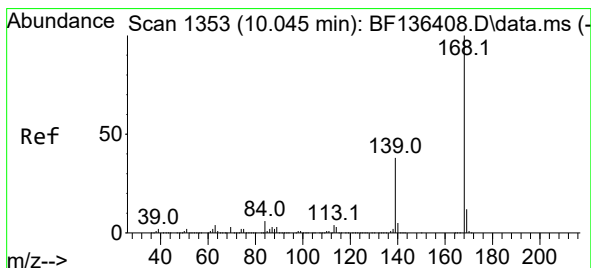
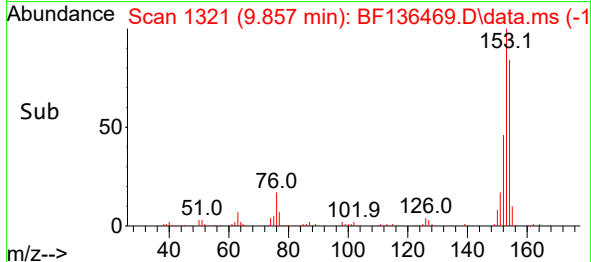
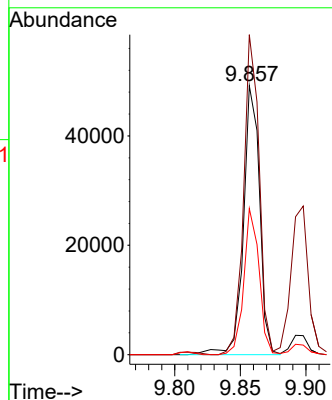
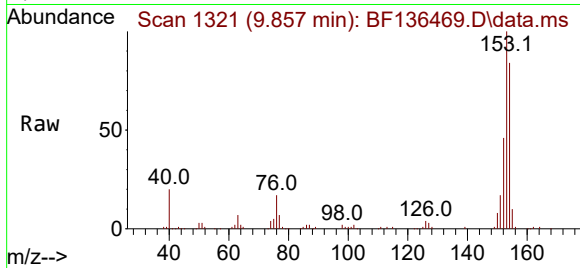




#52
Acenaphthene
Concen: 2.789 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

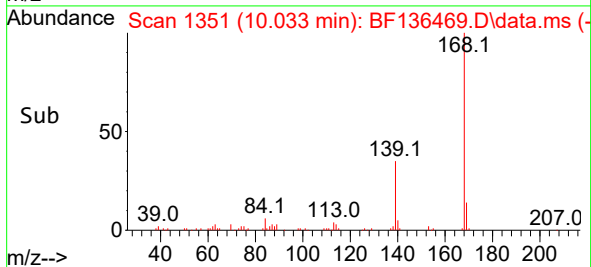
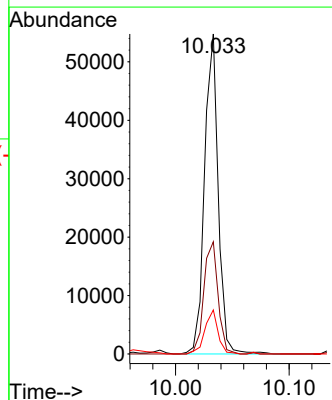
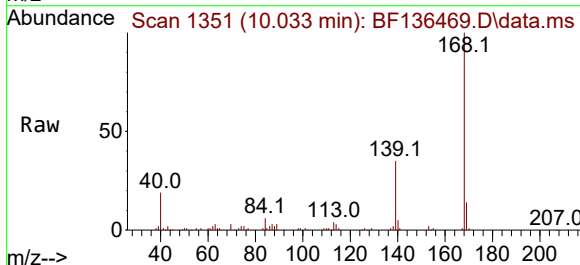
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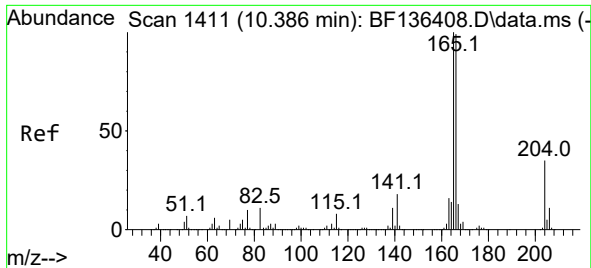
Tgt Ion:154 Resp: 42096
Ion Ratio Lower Upper
154 100
153 119.0 95.3 142.9
152 54.3 43.2 64.8



#55
Dibenzofuran
Concen: 2.074 ng
RT: 10.033 min Scan# 1351
Delta R.T. -0.012 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

Tgt Ion:168 Resp: 45723
Ion Ratio Lower Upper
168 100
139 35.0 30.4 45.6
169 13.7 9.9 14.9

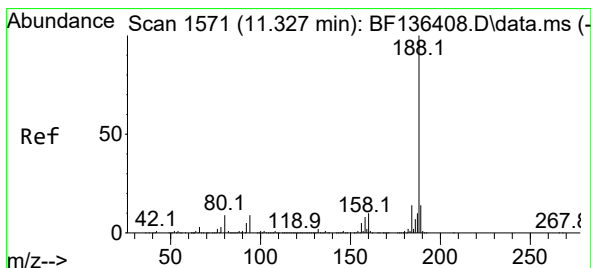
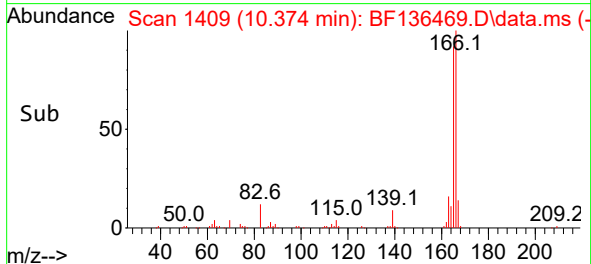
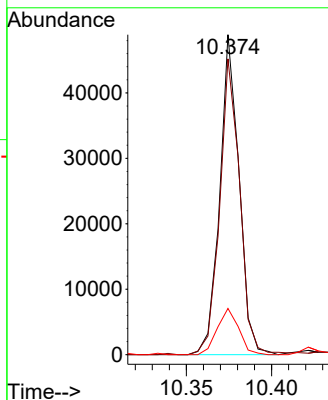
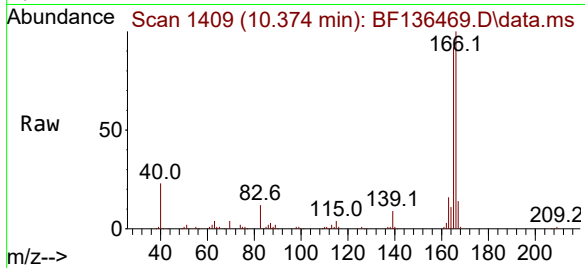




#58
Fluorene
Concen: 2.177 ng
RT: 10.374 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

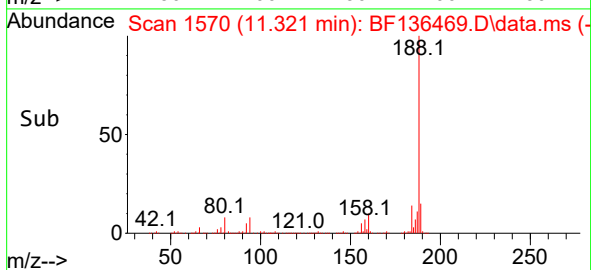
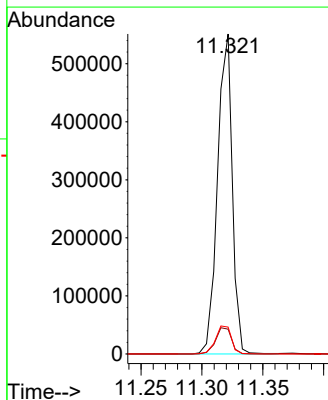
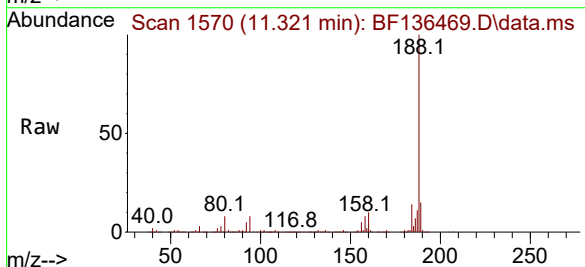
Instrument :
BNA_F
ClientSampleId :
VNJ-216

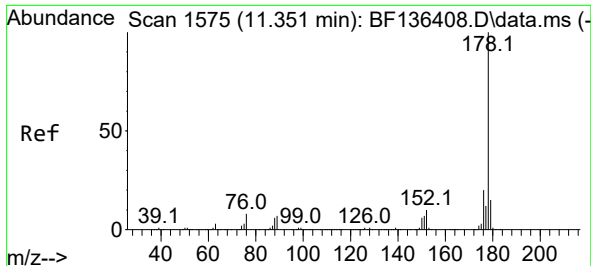
Tgt Ion:166 Resp: 38528
Ion Ratio Lower Upper
166 100
165 92.5 80.5 120.7
167 14.5 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

Tgt Ion:188 Resp: 463735
Ion Ratio Lower Upper
188 100
94 7.8 7.2 10.8
80 8.4 7.2 10.8

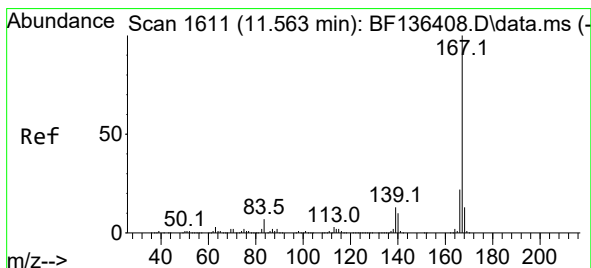
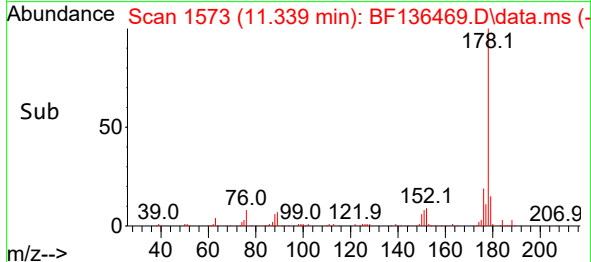
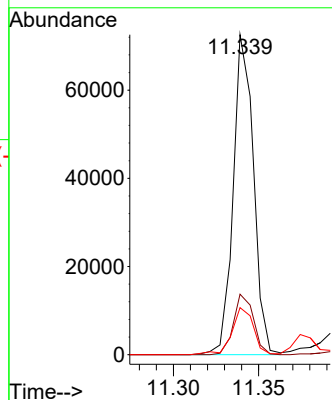
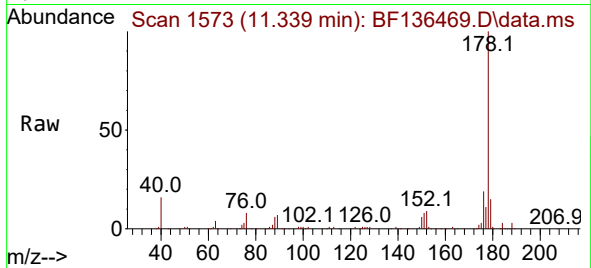




#71
Phenanthrene
Concen: 2.355 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

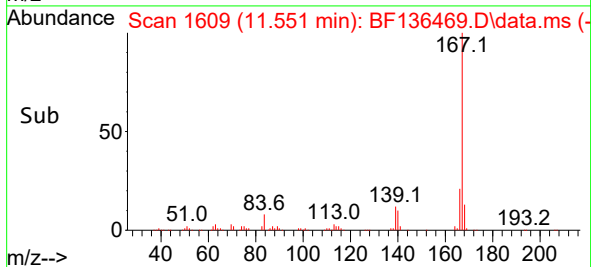
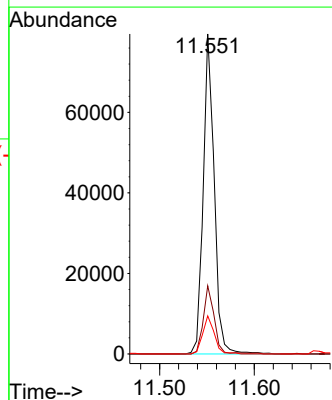
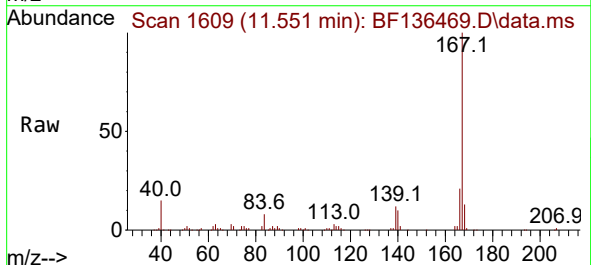
Instrument :
BNA_F
ClientSampleId :
VNJ-216

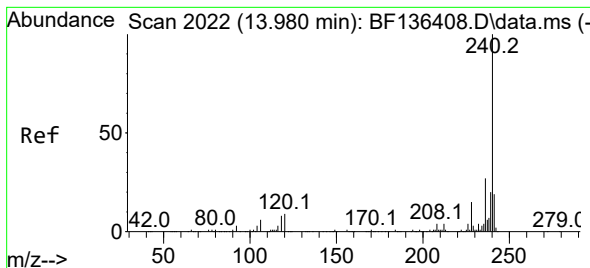
Tgt Ion:178 Resp: 60027
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 14.7 11.8 17.6



#73
Carbazole
Concen: 2.816 ng
RT: 11.551 min Scan# 1609
Delta R.T. -0.012 min
Lab File: BF136469.D
Acq: 08 Dec 2023 16:04

Tgt Ion:167 Resp: 63987
Ion Ratio Lower Upper
167 100
166 21.3 18.0 27.0
139 11.9 10.2 15.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136469.D

Acq: 08 Dec 2023 16:04

Instrument :

BNA_F

ClientSampleId :

VNJ-216

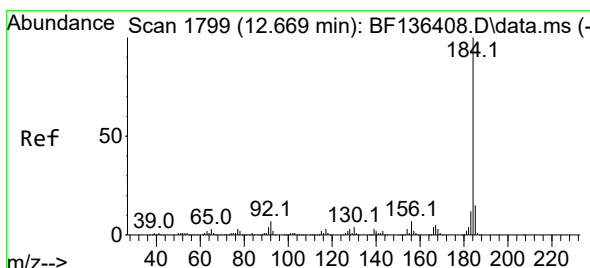
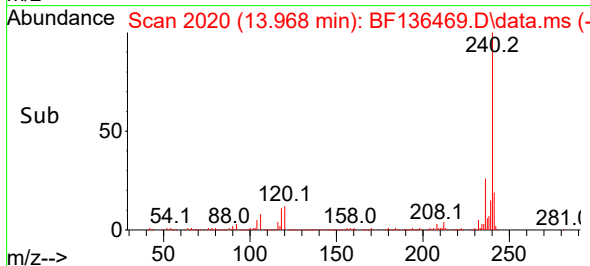
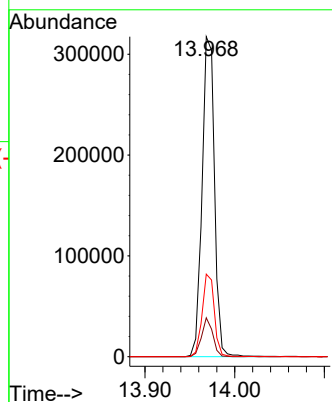
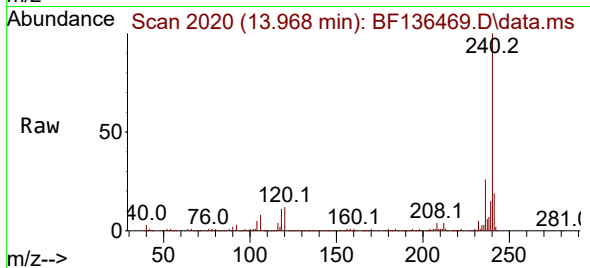
Tgt Ion:240 Resp: 305088

Ion Ratio Lower Upper

240 100

120 12.1 7.3 10.9#

236 25.8 21.3 31.9



#77

Benzidine

Concen: 17.177 ng

RT: 12.663 min Scan# 1798

Delta R.T. -0.006 min

Lab File: BF136469.D

Acq: 08 Dec 2023 16:04

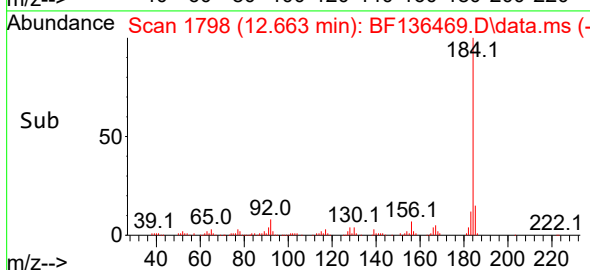
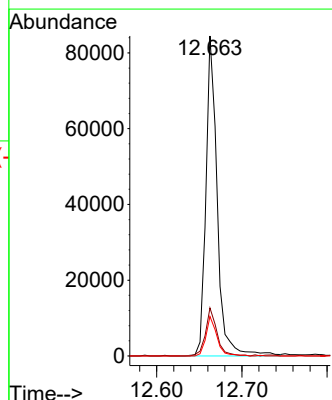
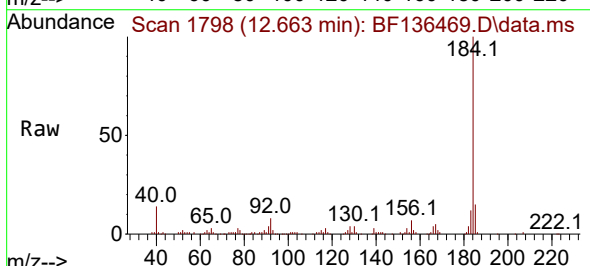
Tgt Ion:184 Resp: 77934

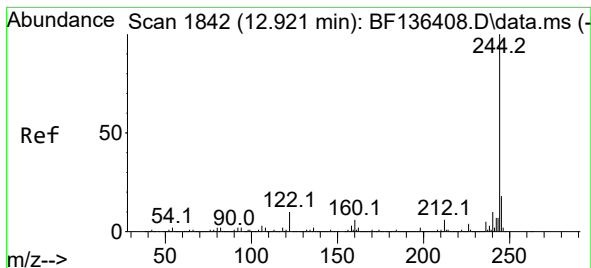
Ion Ratio Lower Upper

184 100

185 15.0 12.0 18.0

183 12.3 9.4 14.0





#79

Terphenyl-d14

Concen: 72.929 ng

RT: 12.921 min Scan# 1842

Delta R.T. -0.000 min

Lab File: BF136469.D

Acq: 08 Dec 2023 16:04

Instrument :

BNA_F

ClientSampleId :

VNJ-216

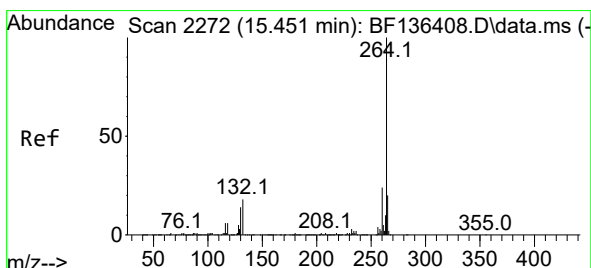
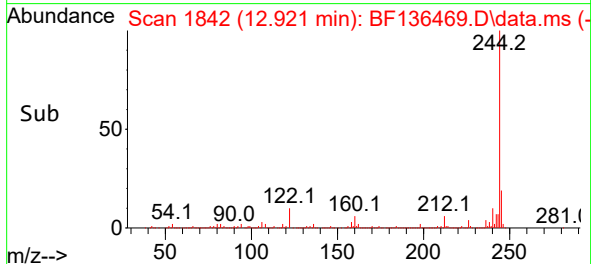
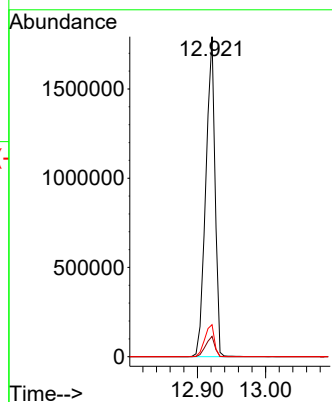
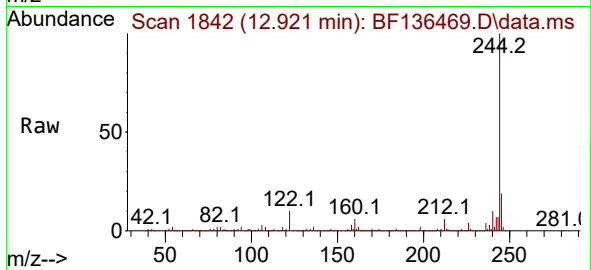
Tgt Ion:244 Resp: 1688091

Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

122 10.0 8.3 12.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. -0.000 min

Lab File: BF136469.D

Acq: 08 Dec 2023 16:04

Tgt Ion:264 Resp: 250443

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 20.1 15.9 23.9

