

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022824\
 Data File : BF137436.D
 Acq On : 28 Feb 2024 21:48
 Operator : CG\JU
 Sample : P1538-12RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20241105-AMENDED-COMPOSITE-35N-N-4-04RE

Quant Time: Feb 29 03:17:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 24 04:23:49 2024
 Response via : Initial Calibration

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

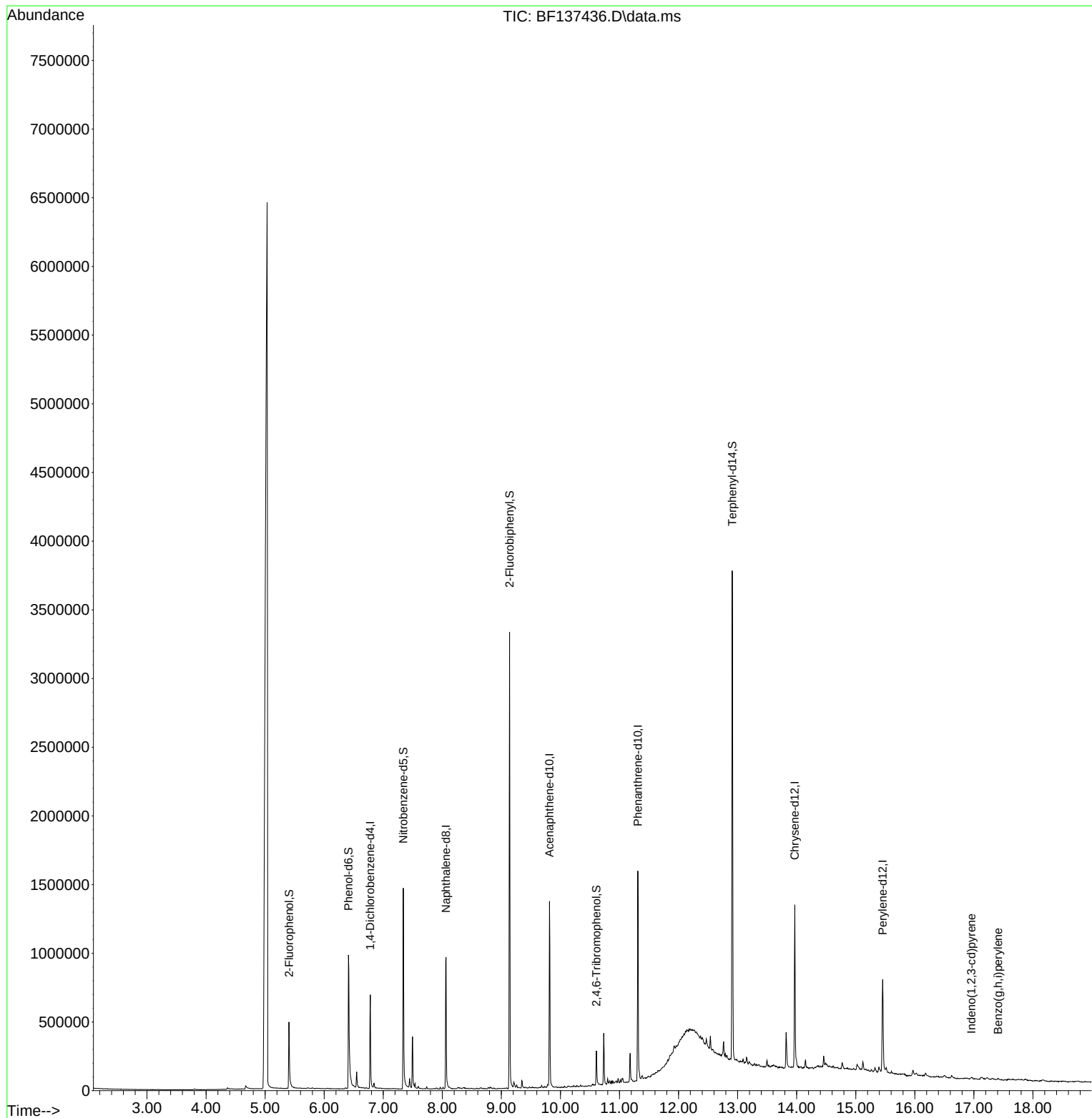
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	102626	20.000	ng	-0.02
21) Naphthalene-d8	8.063	136	435100	20.000	ng	-0.02
39) Acenaphthene-d10	9.816	164	269003	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	517282	20.000	ng	-0.02
76) Chrysene-d12	13.968	240	358129	20.000	ng	-0.01
86) Perylene-d12	15.457	264	323173	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	149888	22.536	ng	-0.02
7) Phenol-d6	6.410	99	405119	41.408	ng	-0.03
23) Nitrobenzene-d5	7.339	82	467244	53.613	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	27633	11.796	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	882419	51.070	ng	-0.02
79) Terphenyl-d14	12.910	244	1229200	48.007	ng	-0.02
Target Compounds						
87) Indeno(1,2,3-cd)pyrene	16.956	276	8658	2.242	ng	# 93
92) Benzo(g,h,i)perylene	17.409	276	8435	2.495	ng	# 90

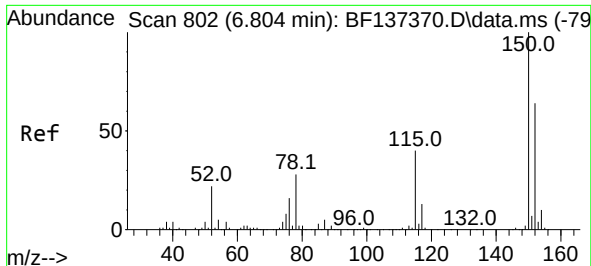
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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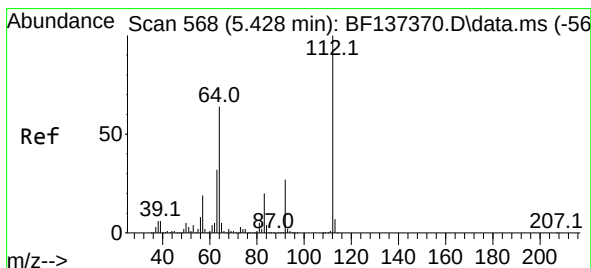
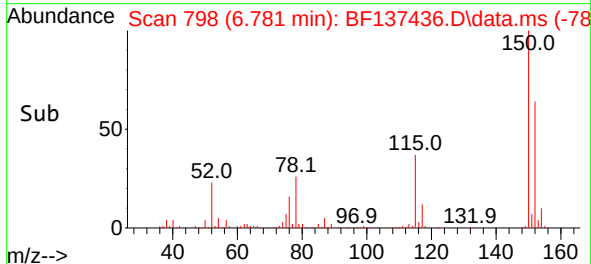
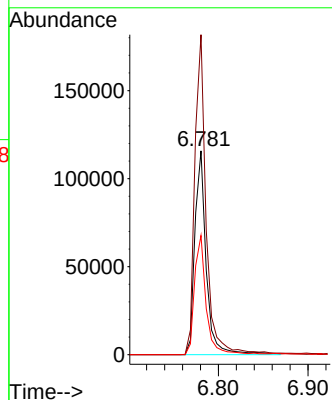
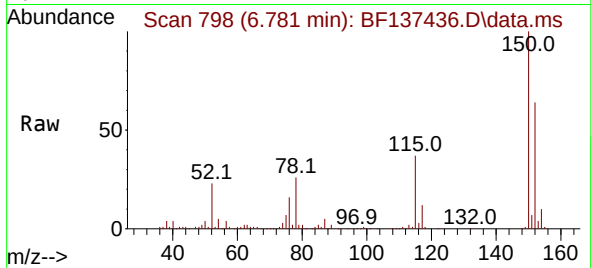




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.023 min
Lab File: BF137436.D
Acq: 28 Feb 2024 21:48

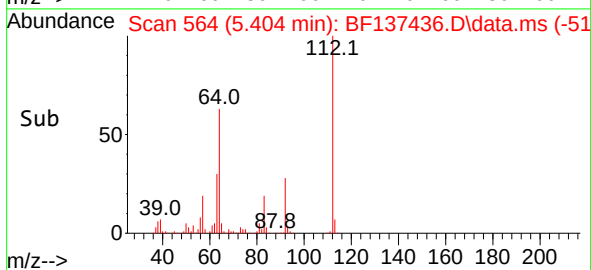
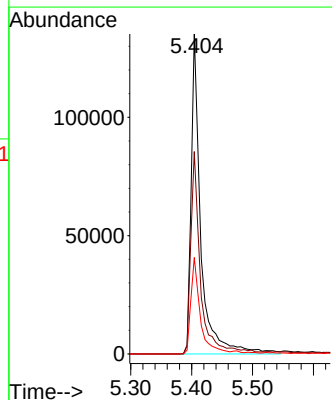
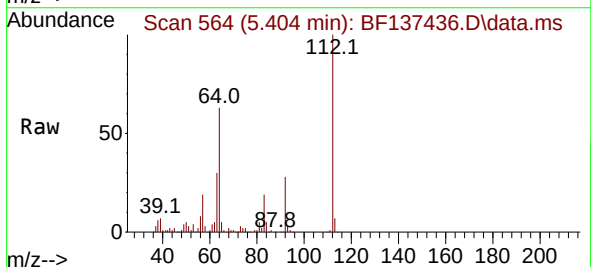
Instrument :
BNA_F
ClientSampleId :
20241105-AMENDED-COMPOSITE-35N-N-4-04RE

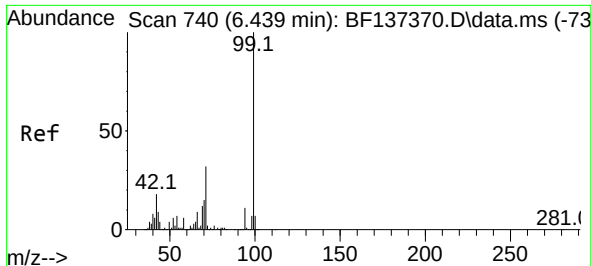
Tgt Ion:152 Resp: 102626
Ion Ratio Lower Upper
152 100
150 157.0 125.7 188.5
115 58.5 49.8 74.8



#5
2-Fluorophenol
Concen: 22.536 ng
RT: 5.404 min Scan# 564
Delta R.T. -0.024 min
Lab File: BF137436.D
Acq: 28 Feb 2024 21:48

Tgt Ion:112 Resp: 149888
Ion Ratio Lower Upper
112 100
64 63.3 51.0 76.6
63 30.2 25.7 38.5

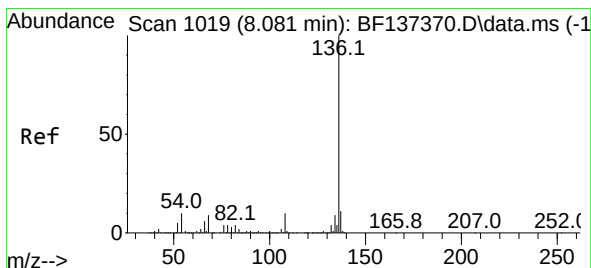
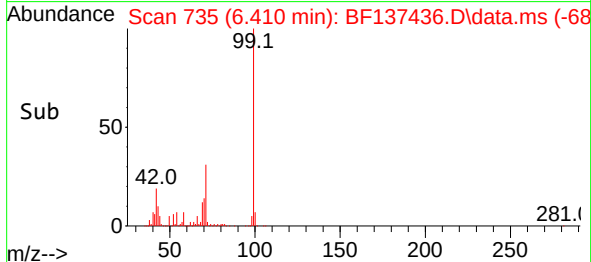
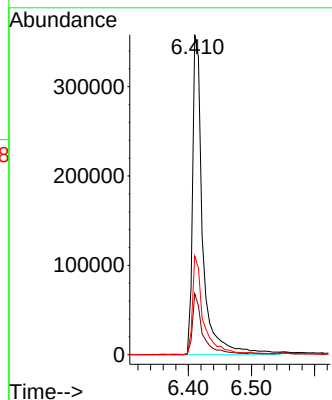
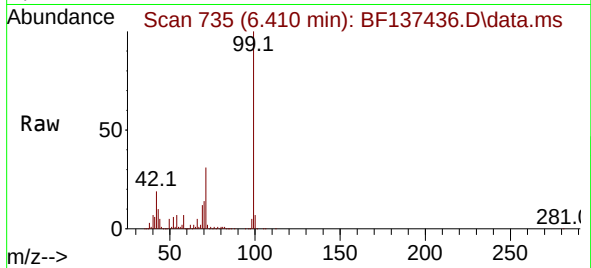




#7
Phenol-d6
Concen: 41.408 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.029 min
Lab File: BF137436.D
Acq: 28 Feb 2024 21:48

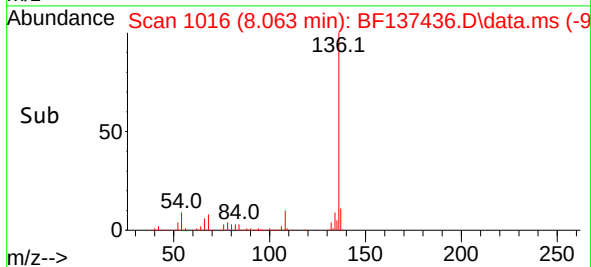
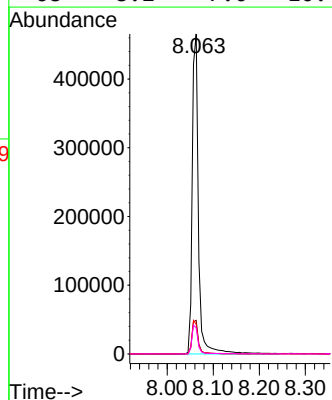
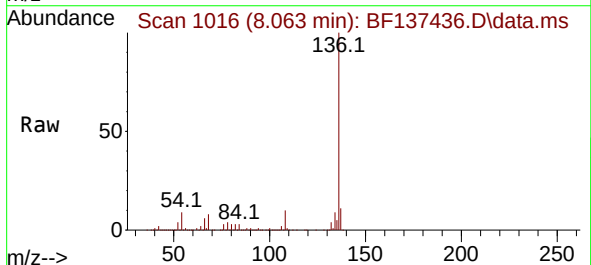
Instrument :
BNA_F
ClientSampleId :
20241105-AMENDED-COMPOSITE-35N-N-4-04RE

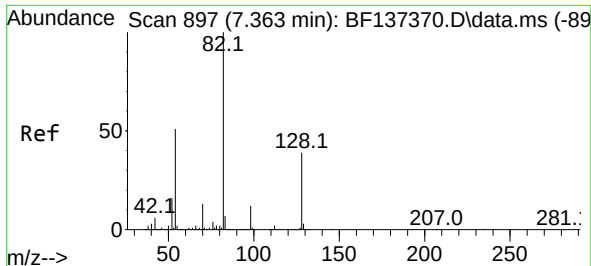
Tgt Ion: 99 Resp: 405119
Ion Ratio Lower Upper
99 100
42 19.1 14.2 21.4
71 30.9 25.2 37.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF137436.D
Acq: 28 Feb 2024 21:48

Tgt Ion:136 Resp: 435100
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.4
54 9.3 7.8 11.6
68 8.2 7.0 10.4





#23

Nitrobenzene-d5

Concen: 53.613 ng

RT: 7.339 min Scan# 897

Delta R.T. -0.024 min

Lab File: BF137436.D

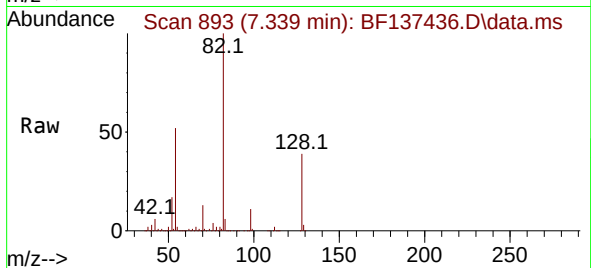
Acq: 28 Feb 2024 21:48

Instrument :

BNA_F

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04RE



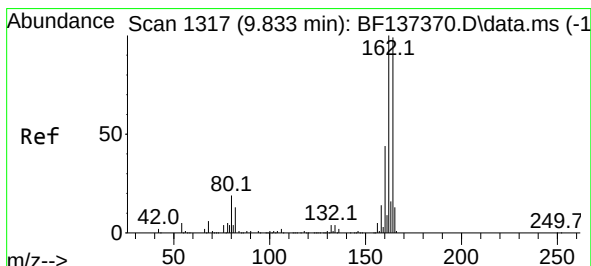
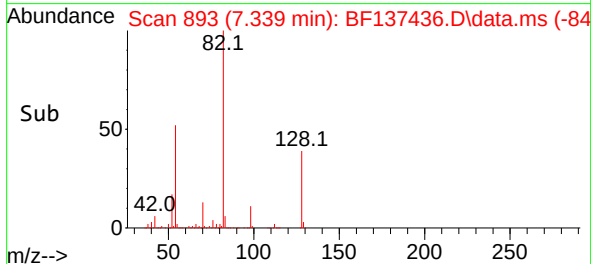
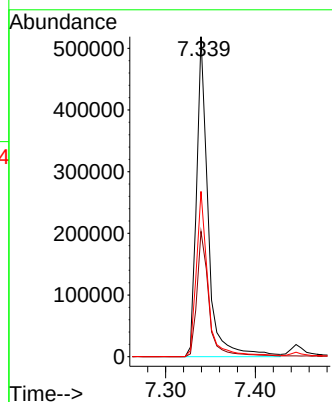
Tgt Ion: 82 Resp: 467244

Ion Ratio Lower Upper

82 100

128 39.2 30.8 46.2

54 51.6 40.8 61.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.018 min

Lab File: BF137436.D

Acq: 28 Feb 2024 21:48

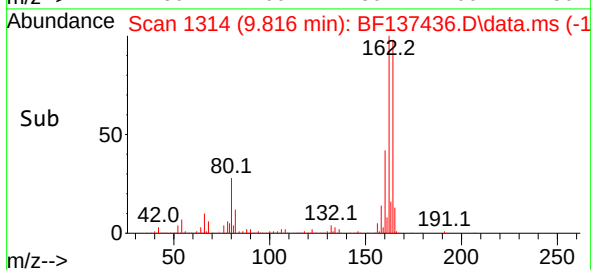
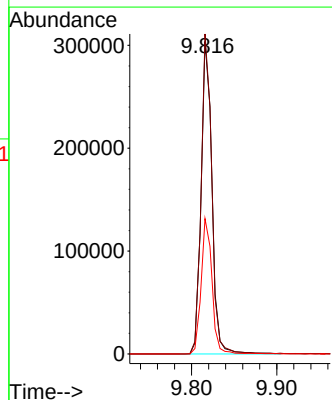
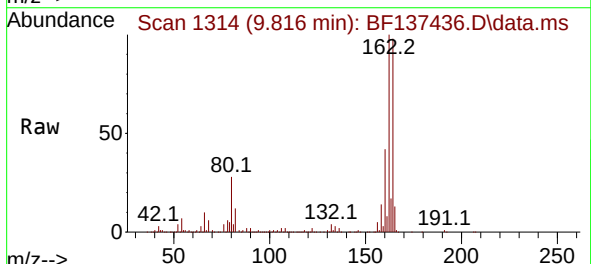
Tgt Ion: 164 Resp: 269003

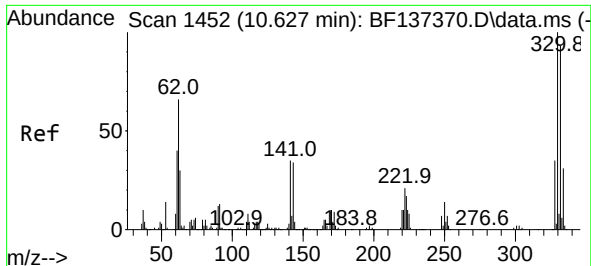
Ion Ratio Lower Upper

164 100

162 102.4 81.2 121.8

160 43.3 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 11.796 ng

RT: 10.610 min Scan# 1452

Delta R.T. -0.018 min

Lab File: BF137436.D

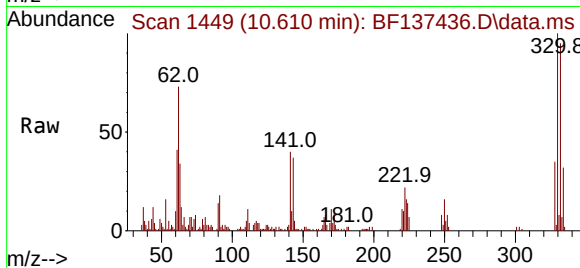
Acq: 28 Feb 2024 21:48

Instrument :

BNA_F

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04RE



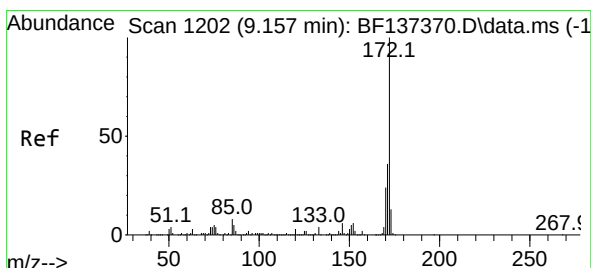
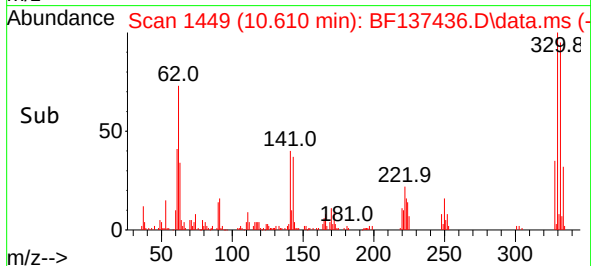
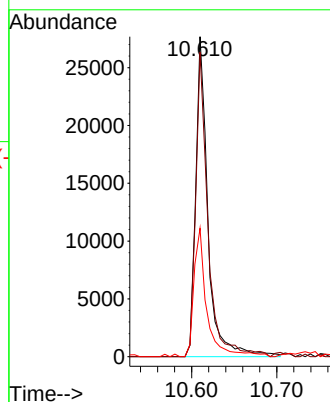
Tgt Ion:330 Resp: 27633

Ion Ratio Lower Upper

330 100

332 94.9 75.6 113.4

141 42.1 28.6 42.8



#45

2-Fluorobiphenyl

Concen: 51.070 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF137436.D

Acq: 28 Feb 2024 21:48

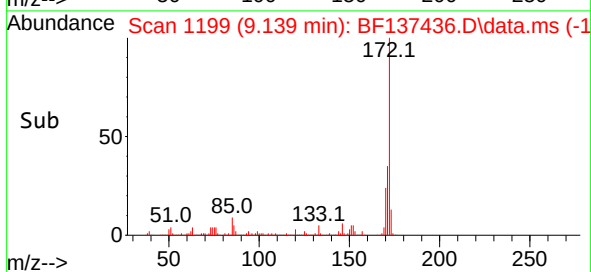
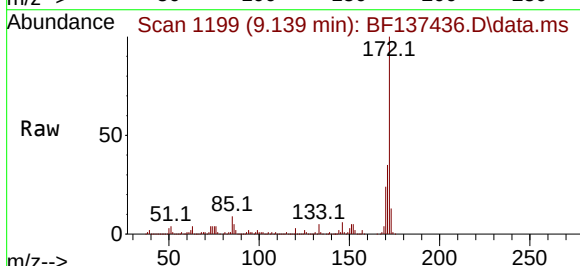
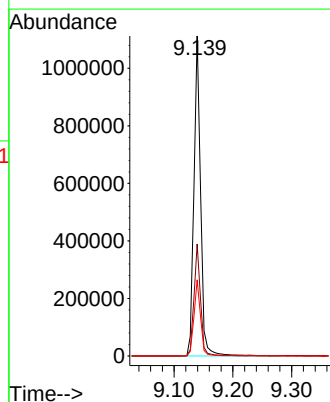
Tgt Ion:172 Resp: 882419

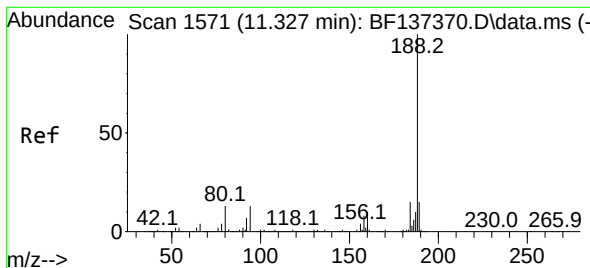
Ion Ratio Lower Upper

172 100

171 35.0 28.7 43.1

170 23.8 19.5 29.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF137436.D

Acq: 28 Feb 2024 21:48

Instrument :

BNA_F

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04RE

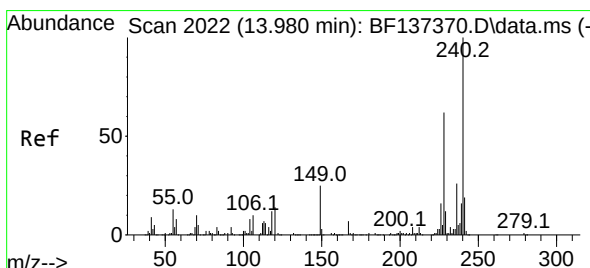
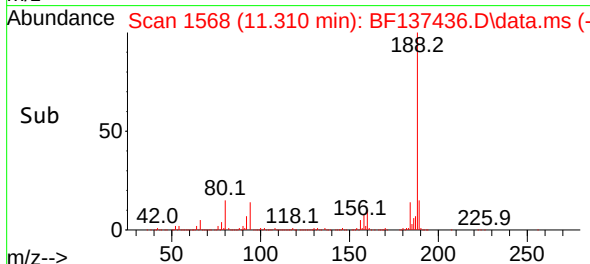
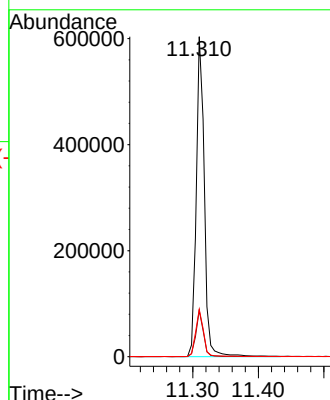
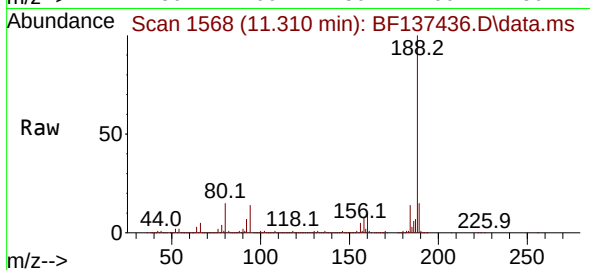
Tgt Ion:188 Resp: 517282

Ion Ratio Lower Upper

188 100

94 14.4 10.2 15.2

80 14.8 10.7 16.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.012 min

Lab File: BF137436.D

Acq: 28 Feb 2024 21:48

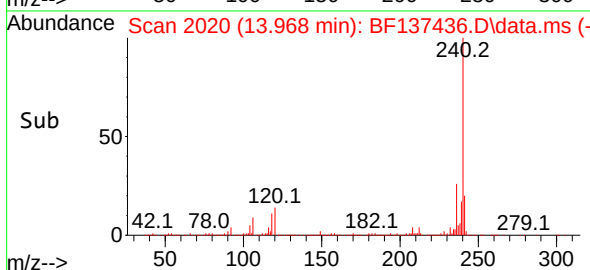
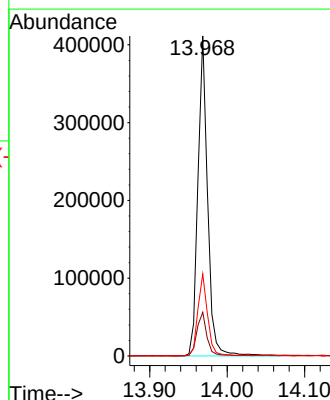
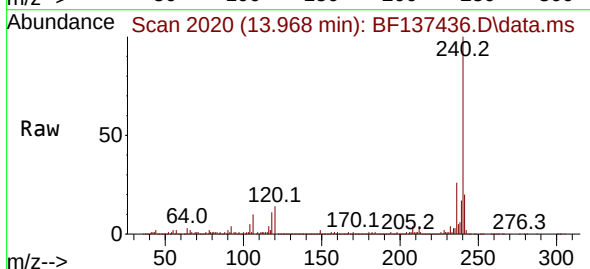
Tgt Ion:240 Resp: 358129

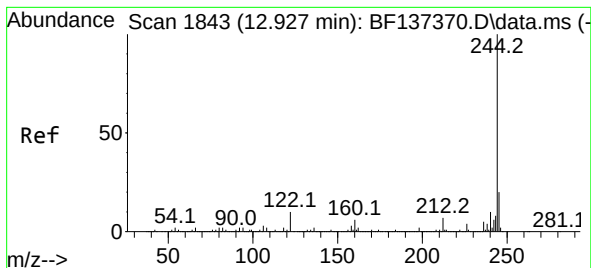
Ion Ratio Lower Upper

240 100

120 13.7 11.3 16.9

236 25.7 20.5 30.7





#79

Terphenyl-d14

Concen: 48.007 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.018 min

Lab File: BF137436.D

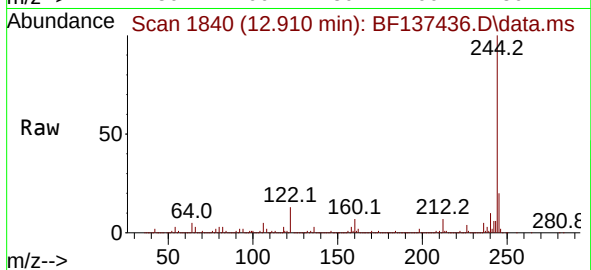
Acq: 28 Feb 2024 21:48

Instrument :

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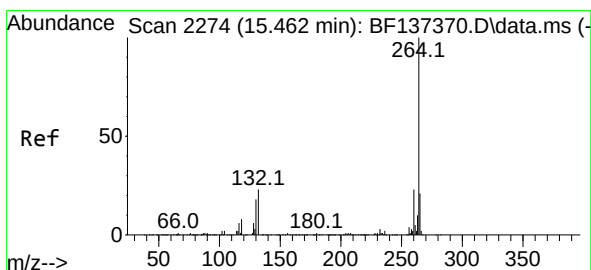
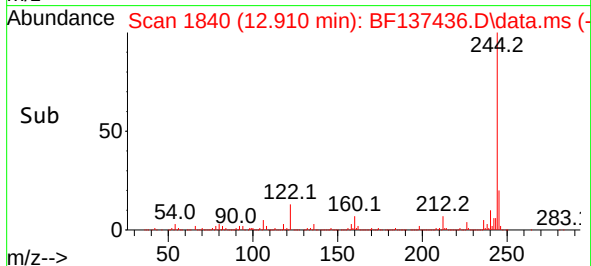
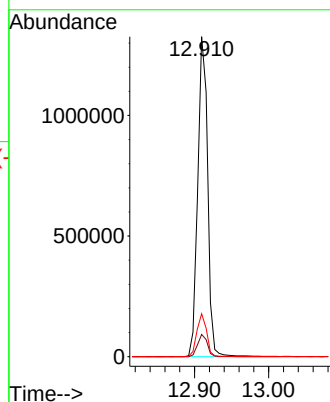
Tgt Ion:244 Resp: 1229200

Ion Ratio Lower Upper

244 100

212 7.0 5.3 7.9

122 13.4 8.2 12.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF137436.D

Acq: 28 Feb 2024 21:48

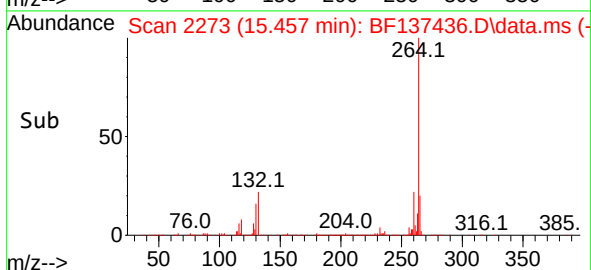
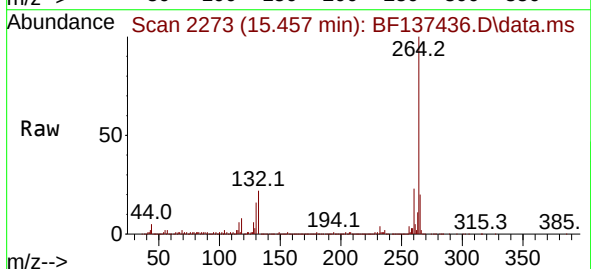
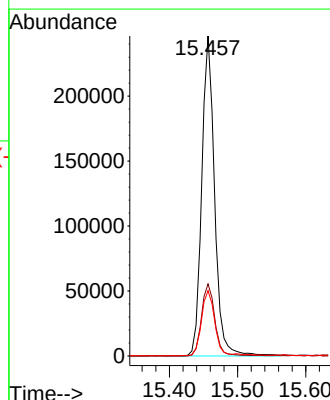
Tgt Ion:264 Resp: 323173

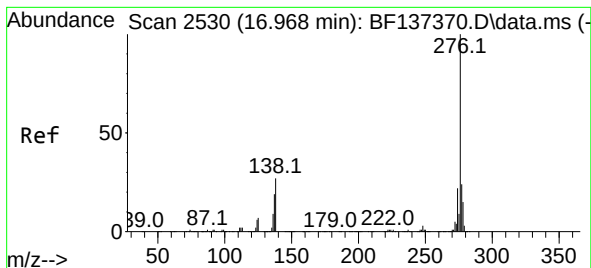
Ion Ratio Lower Upper

264 100

260 22.5 18.5 27.7

265 20.4 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.242 ng

RT: 16.956 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF137436.D

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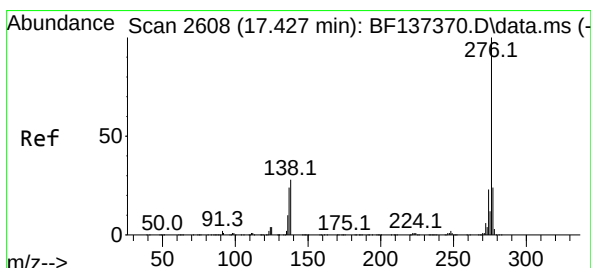
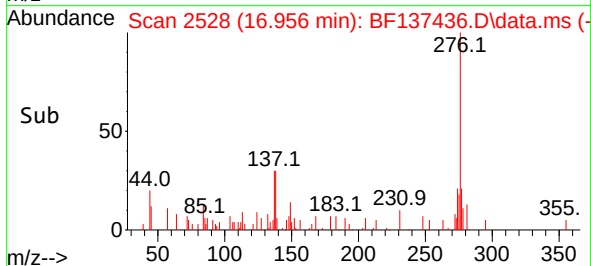
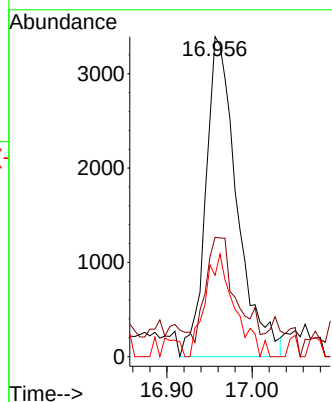
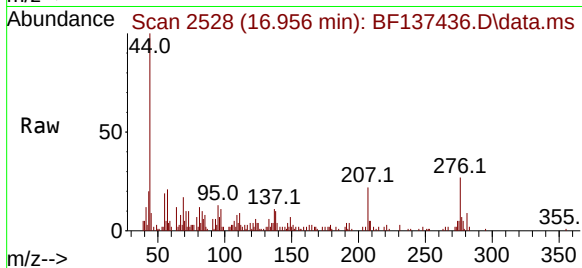
Tgt Ion:276 Resp: 8658

Ion Ratio Lower Upper

276 100

138 30.8 25.8 38.8

277 30.5 19.6 29.4#



#92

Benzo(g,h,i)perylene

Concen: 2.495 ng

RT: 17.409 min Scan# 2605

Delta R.T. -0.018 min

Lab File: BF137436.D

Acq: 28 Feb 2024 21:48

Tgt Ion:276 Resp: 8435

Ion Ratio Lower Upper

276 100

277 22.4 19.0 28.4

138 37.1 22.6 33.8#

