

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020624\
 Data File : BF137300.D
 Acq On : 06 Feb 2024 19:22
 Operator : CG\JU
 Sample : P1141-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EB-3-2-4

Quant Time: Feb 07 01:04:28 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

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

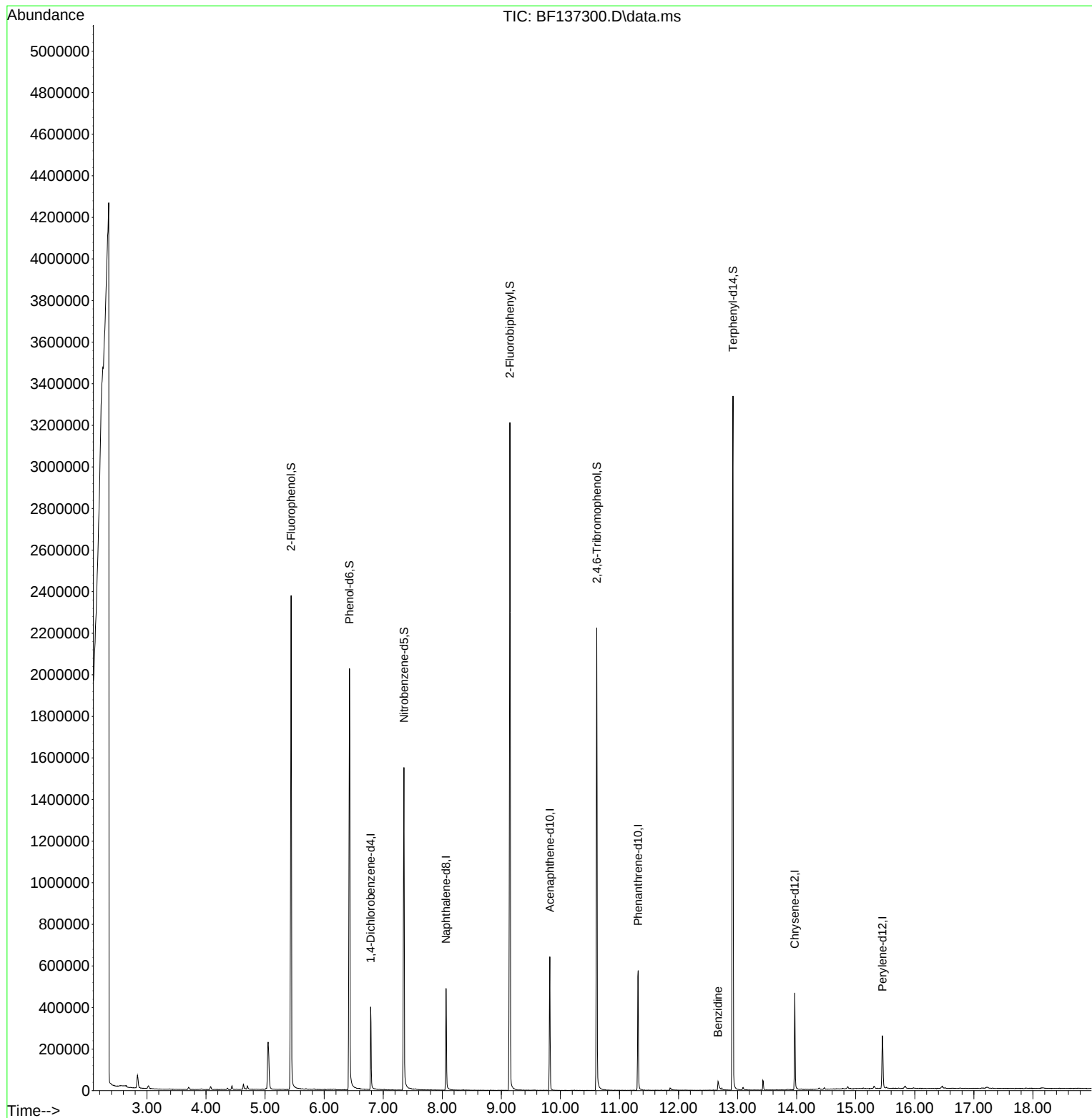
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	57997	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	217905	20.000	ng	-0.01
39) Acenaphthene-d10	9.822	164	129161	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	240169	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	152779	20.000	ng	0.00
86) Perylene-d12	15.451	264	141848	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	631097	179.554	ng	0.02
7) Phenol-d6	6.428	99	791274	157.751	ng	0.00
23) Nitrobenzene-d5	7.351	82	579817	119.132	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	282867	193.919	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	1091466	116.165	ng	0.00
79) Terphenyl-d14	12.922	244	1264157	112.486	ng	0.00
Target Compounds						
77) Benzidine	12.669	184	36259	13.254	ng	Qvalue 96

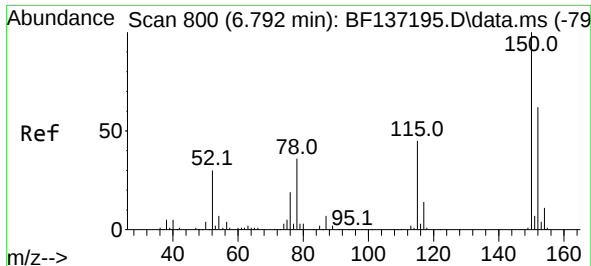
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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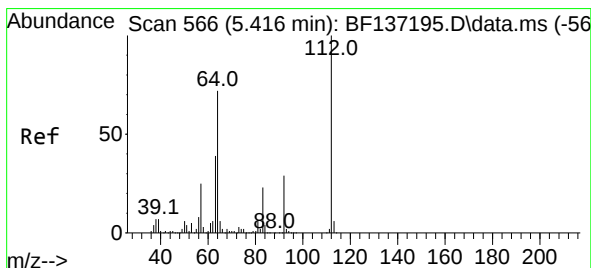
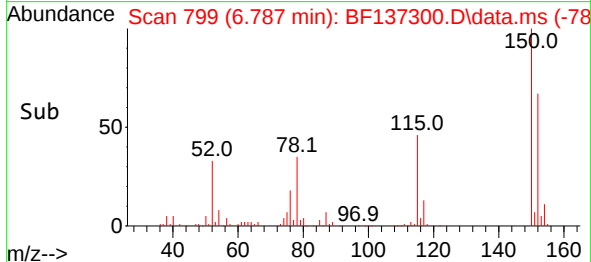
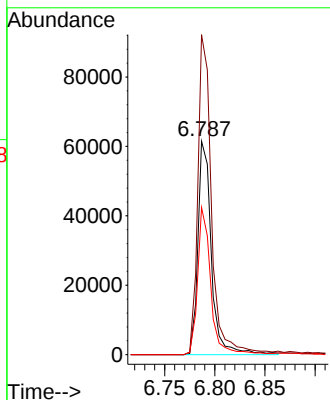
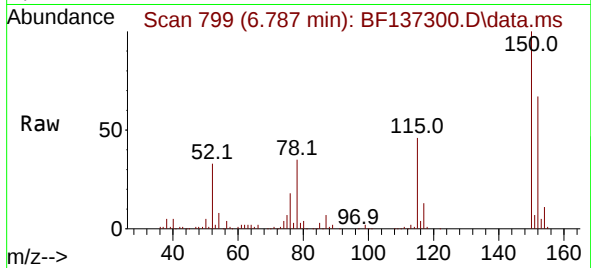




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF137300.D
Acq: 06 Feb 2024 19:22

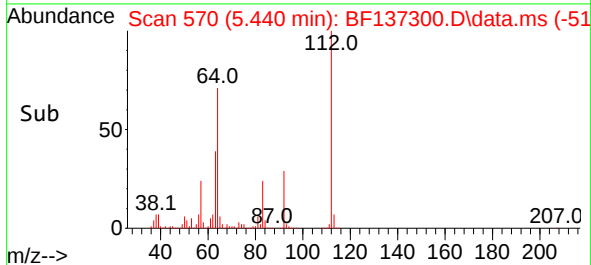
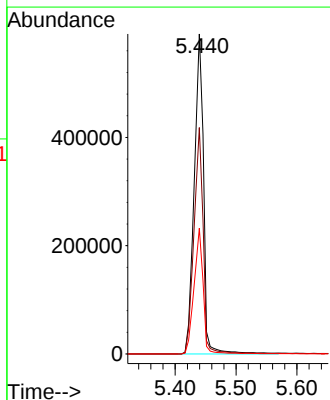
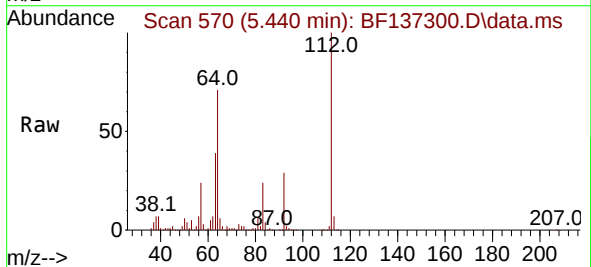
Instrument :
BNA_F
ClientSampleId :
EB-3-2-4

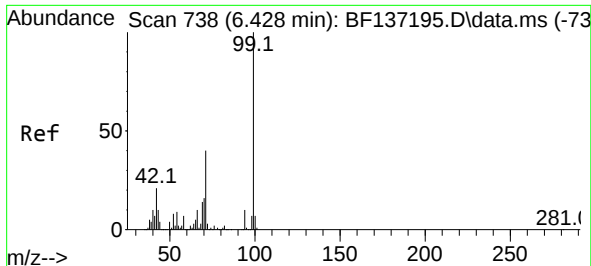
Tgt Ion:152 Resp: 57997
Ion Ratio Lower Upper
152 100
150 150.0 129.8 194.8
115 69.0 58.5 87.7



#5
2-Fluorophenol
Concen: 179.554 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.024 min
Lab File: BF137300.D
Acq: 06 Feb 2024 19:22

Tgt Ion:112 Resp: 631097
Ion Ratio Lower Upper
112 100
64 70.7 57.8 86.6
63 39.3 31.4 47.0





#7
Phenol-d6
Concen: 157.751 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF137300.D
Acq: 06 Feb 2024 19:22

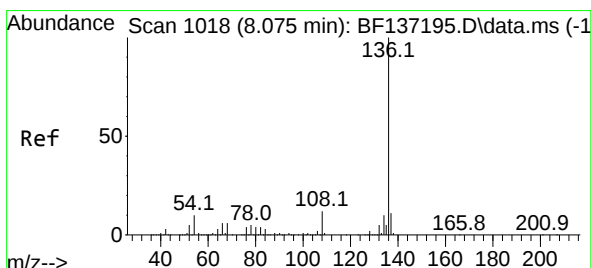
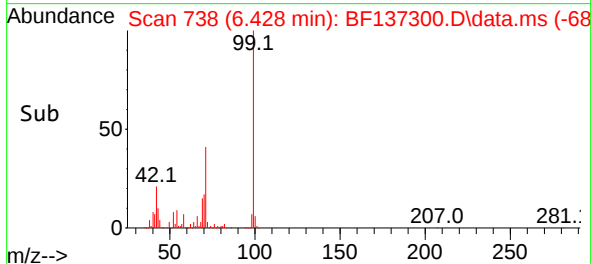
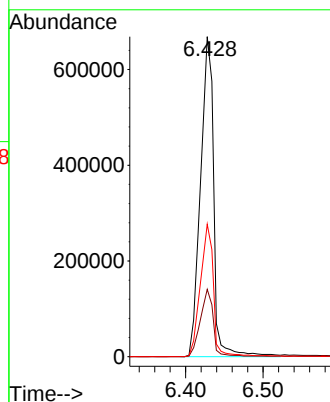
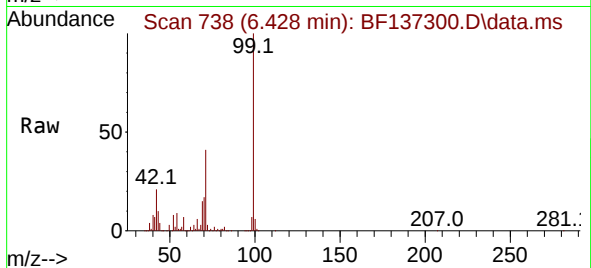
Instrument :

BNA_F

ClientSampleId :

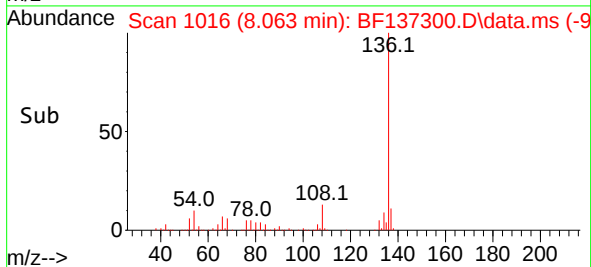
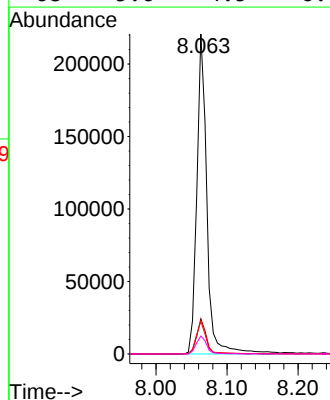
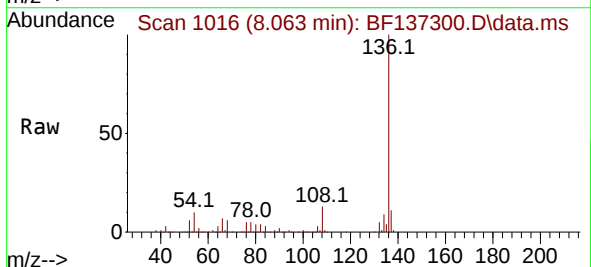
EB-3-2-4

Tgt Ion: 99 Resp: 791274
Ion Ratio Lower Upper
99 100
42 21.1 16.4 24.6
71 41.4 32.4 48.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BF137300.D
Acq: 06 Feb 2024 19:22

Tgt Ion: 136 Resp: 217905
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 10.1 7.8 11.8
68 5.6 4.5 6.7





#23

Nitrobenzene-d5

Concen: 119.132 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF137300.D

Acq: 06 Feb 2024 19:22

Instrument :

BNA_F

ClientSampleId :

EB-3-2-4

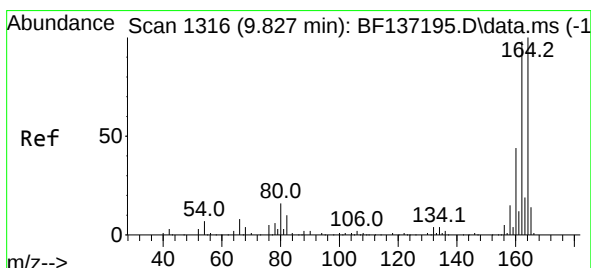
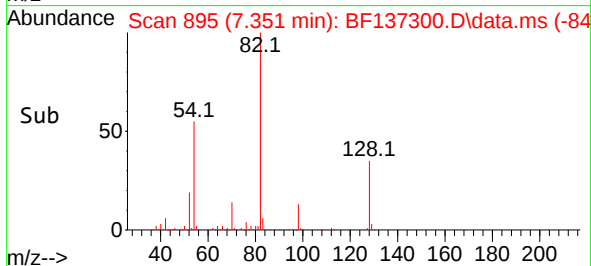
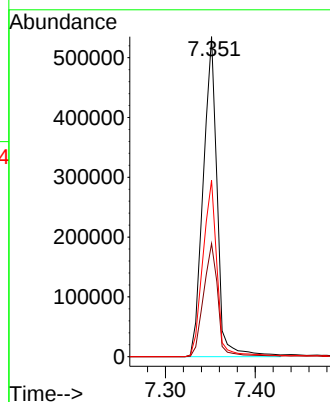
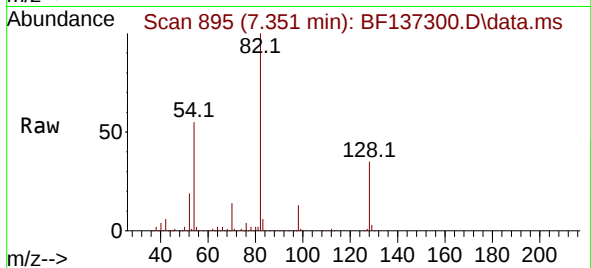
Tgt Ion: 82 Resp: 579817

Ion Ratio Lower Upper

82 100

128 35.4 29.1 43.7

54 55.1 45.0 67.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.005 min

Lab File: BF137300.D

Acq: 06 Feb 2024 19:22

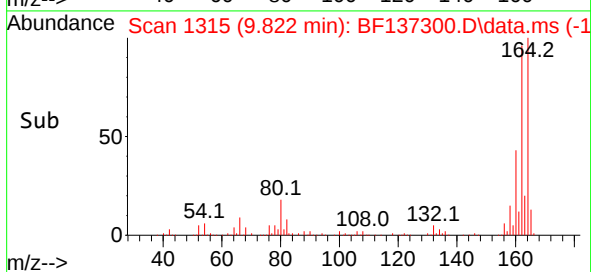
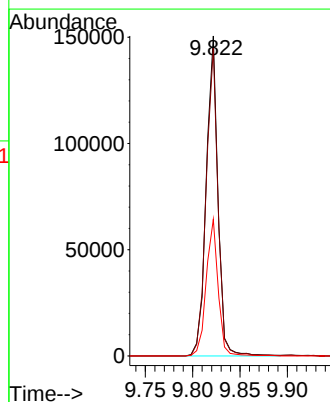
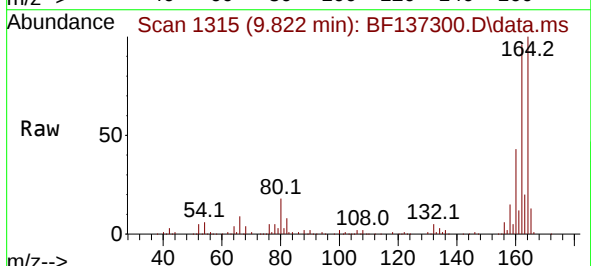
Tgt Ion:164 Resp: 129161

Ion Ratio Lower Upper

164 100

162 96.2 78.3 117.5

160 42.7 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 193.919 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF137300.D

Acq: 06 Feb 2024 19:22

Instrument :

BNA_F

ClientSampleId :

EB-3-2-4

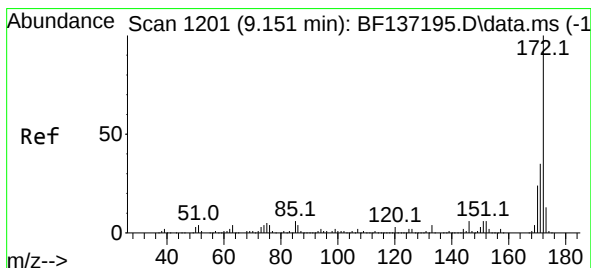
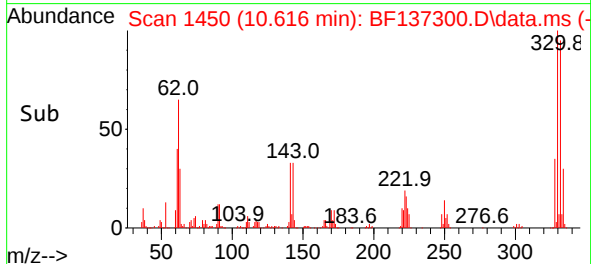
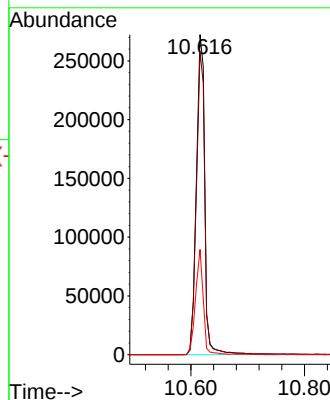
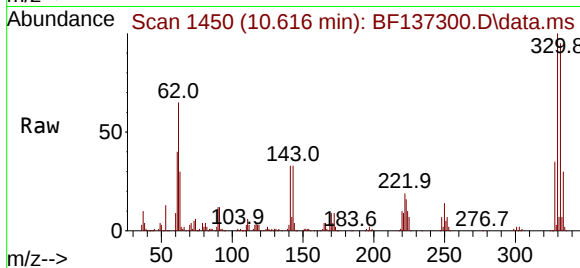
Tgt Ion:330 Resp: 282867

Ion Ratio Lower Upper

330 100

332 94.8 77.3 115.9

141 30.5 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 116.165 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF137300.D

Acq: 06 Feb 2024 19:22

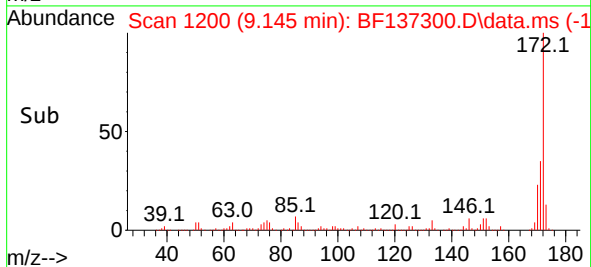
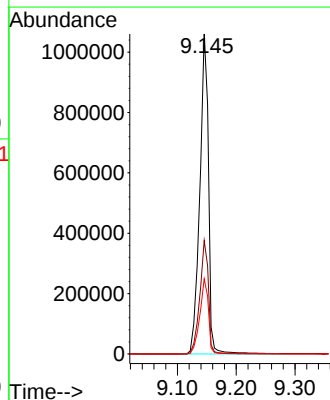
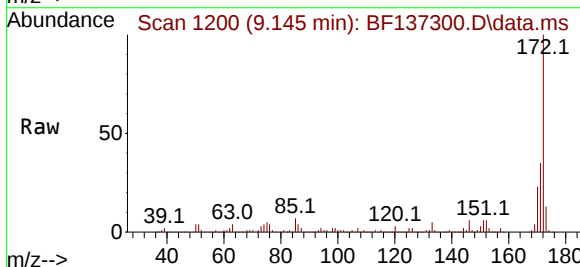
Tgt Ion:172 Resp: 1091466

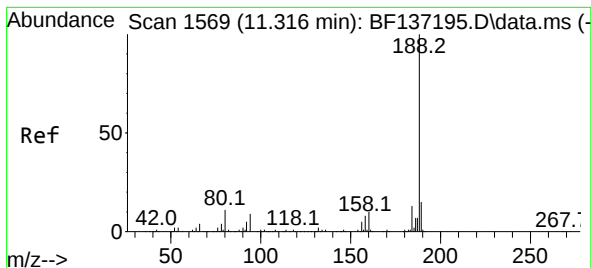
Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.5 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF137300.D

Acq: 06 Feb 2024 19:22

Instrument :

BNA_F

ClientSampleId :

EB-3-2-4

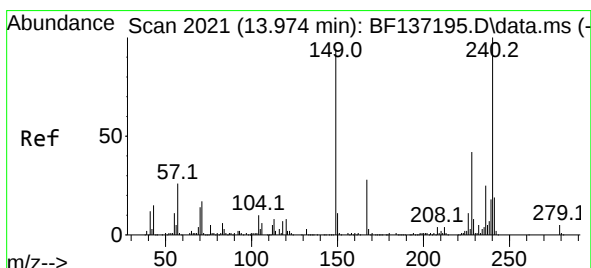
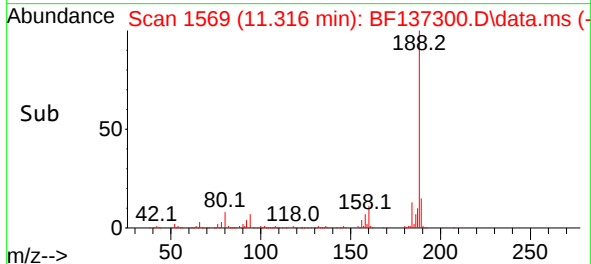
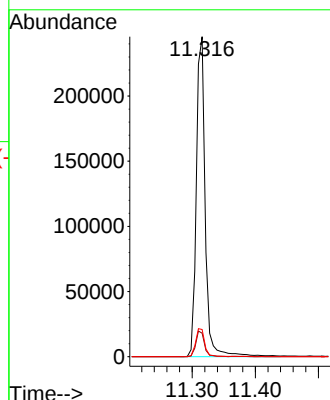
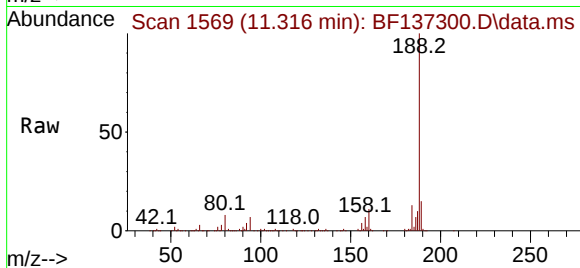
Tgt Ion:188 Resp: 240169

Ion Ratio Lower Upper

188 100

94 7.4 7.0 10.4

80 8.5 8.8 13.2#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF137300.D

Acq: 06 Feb 2024 19:22

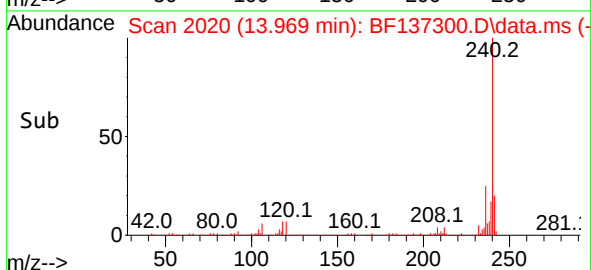
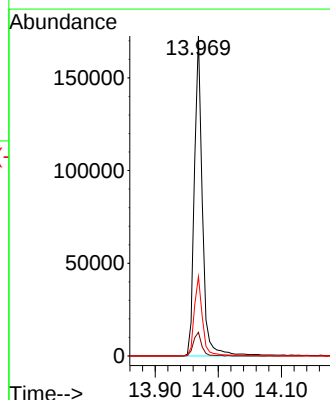
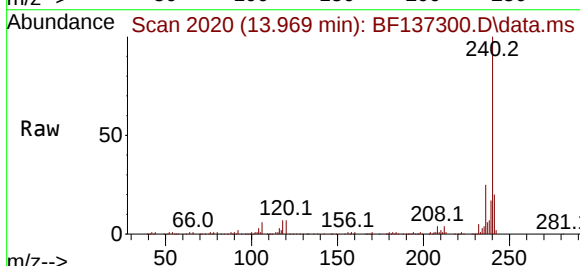
Tgt Ion:240 Resp: 152779

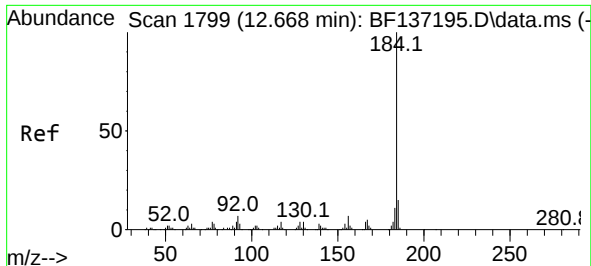
Ion Ratio Lower Upper

240 100

120 7.4 6.3 9.5

236 24.8 20.3 30.5

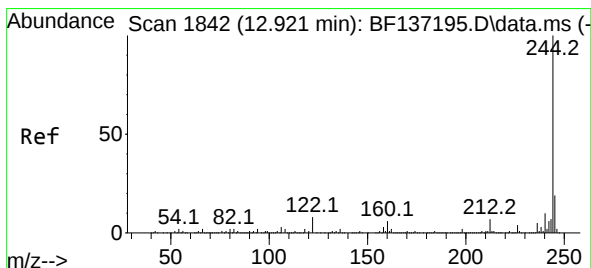
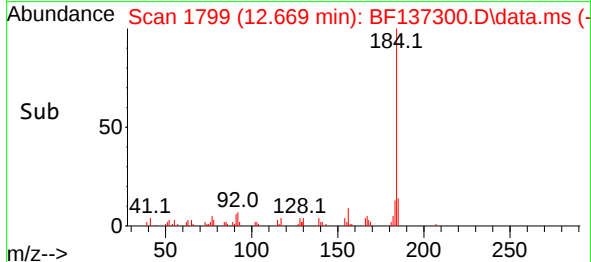
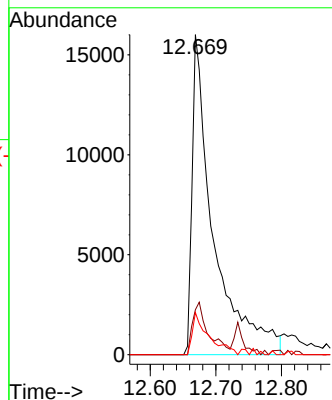
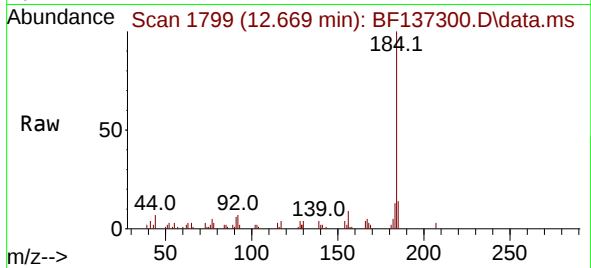




#77
Benzidine
Concen: 13.254 ng
RT: 12.669 min Scan# 1799
Delta R.T. 0.001 min
Lab File: BF137300.D
Acq: 06 Feb 2024 19:22

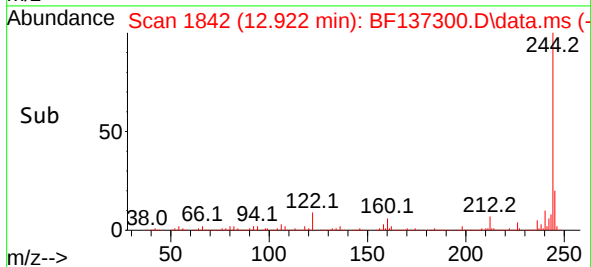
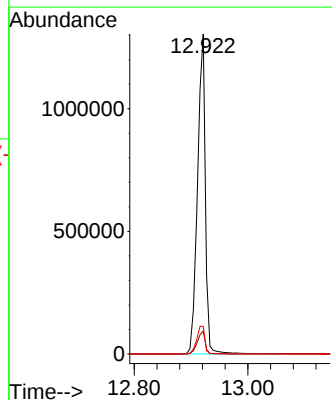
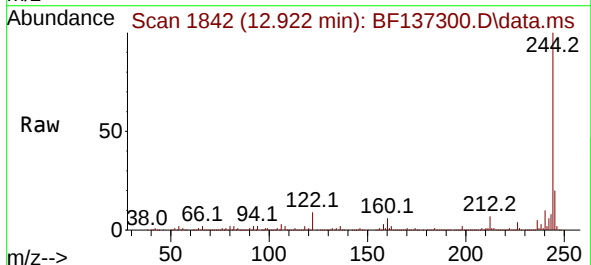
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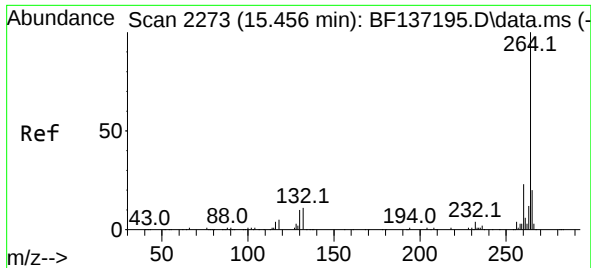
Tgt Ion:184 Resp: 36259
Ion Ratio Lower Upper
184 100
185 14.0 11.9 17.9
183 13.1 8.8 13.2



#79
Terphenyl-d14
Concen: 112.486 ng
RT: 12.922 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF137300.D
Acq: 06 Feb 2024 19:22

Tgt Ion:244 Resp: 1264157
Ion Ratio Lower Upper
244 100
212 7.1 5.5 8.3
122 8.6 6.2 9.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF137300.D
 Acq: 06 Feb 2024 19:22

Instrument :
 BNA_F
 ClientSampleId :
 EB-3-2-4

Tgt Ion:264 Resp: 141848
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.2 27.4
 265 22.2 16.2 24.2

