

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020624\
 Data File : BF137299.D
 Acq On : 06 Feb 2024 18:52
 Operator : CG\JU
 Sample : P1141-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EB-4-0-2

Quant Time: Feb 07 01:04:06 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)

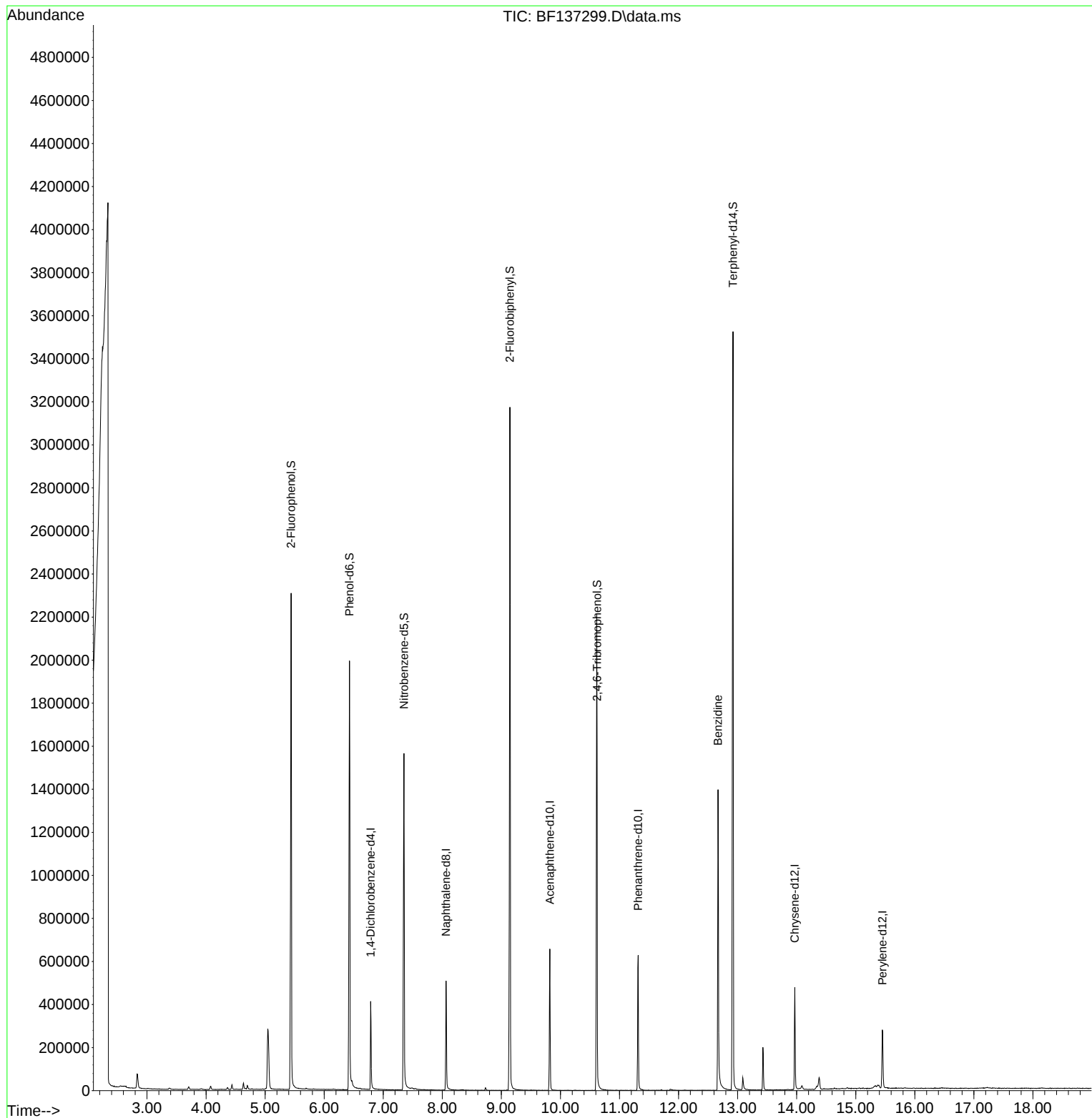
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	56817	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	222593	20.000	ng	-0.01
39) Acenaphthene-d10	9.822	164	132912	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	257376	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	167666	20.000	ng	0.00
86) Perylene-d12	15.451	264	142836	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	612298	177.824	ng	0.02
7) Phenol-d6	6.428	99	759077	154.475	ng	0.00
23) Nitrobenzene-d5	7.351	82	588760	118.421	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	277806	185.075	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	1067706	110.430	ng	0.00
79) Terphenyl-d14	12.922	244	1335858	108.312	ng	0.00
Target Compounds						
77) Benzidine	12.669	184	585224	194.924	ng	Qvalue 97

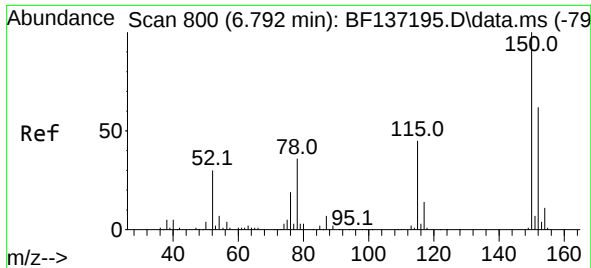
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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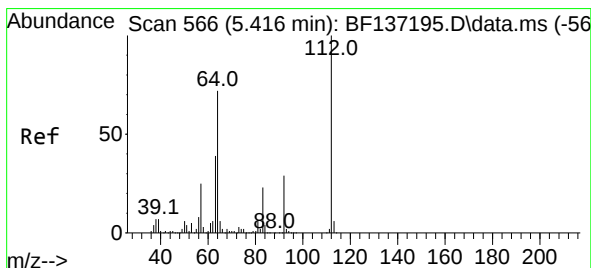
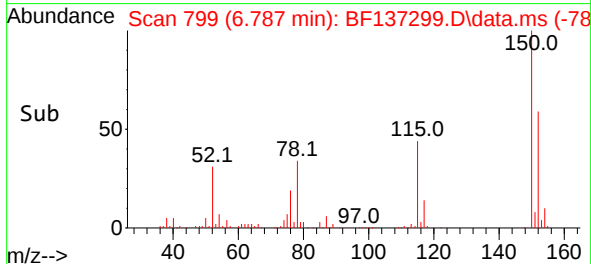
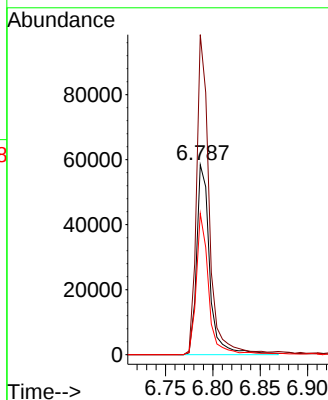
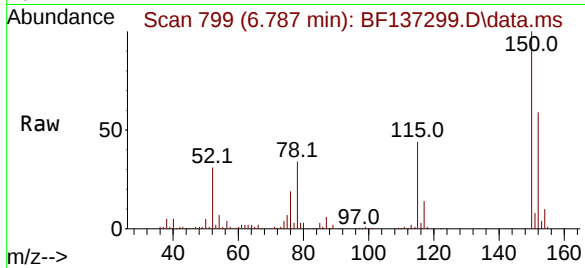




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF137299.D
Acq: 06 Feb 2024 18:52

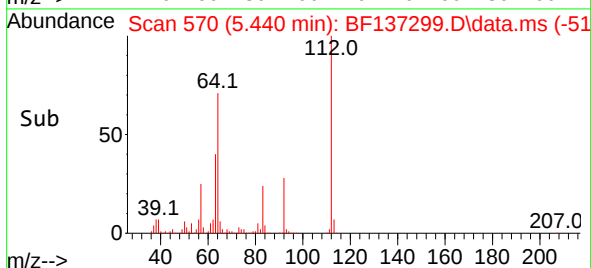
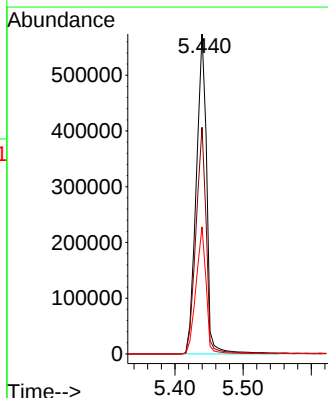
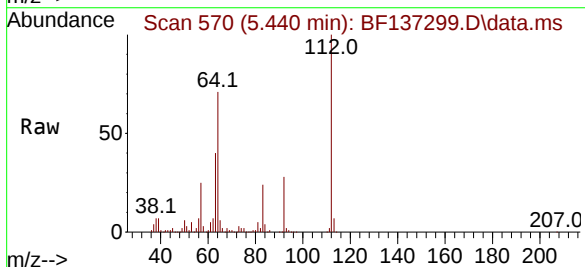
Instrument :
BNA_F
ClientSampleId :
EB-4-0-2

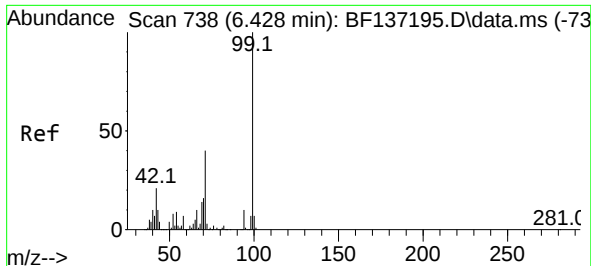
Tgt Ion:152 Resp: 56817
Ion Ratio Lower Upper
152 100
150 168.4 129.8 194.8
115 74.3 58.5 87.7



#5
2-Fluorophenol
Concen: 177.824 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.024 min
Lab File: BF137299.D
Acq: 06 Feb 2024 18:52

Tgt Ion:112 Resp: 612298
Ion Ratio Lower Upper
112 100
64 70.9 57.8 86.6
63 39.7 31.4 47.0





#7
Phenol-d6
Concen: 154.475 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF137299.D
Acq: 06 Feb 2024 18:52

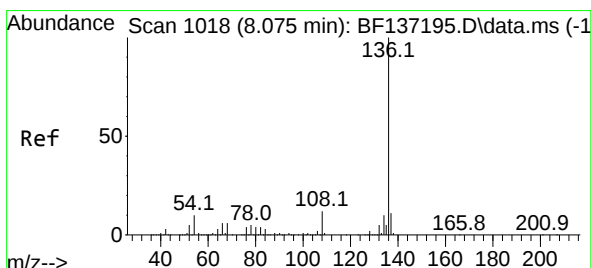
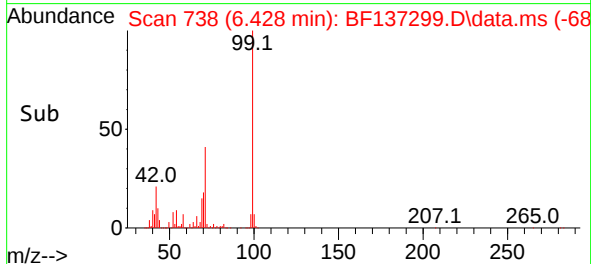
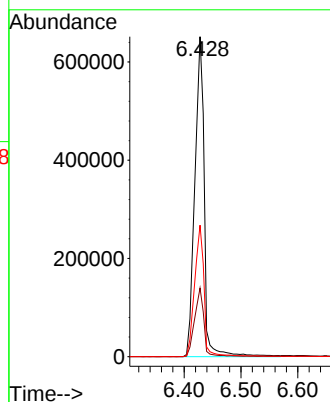
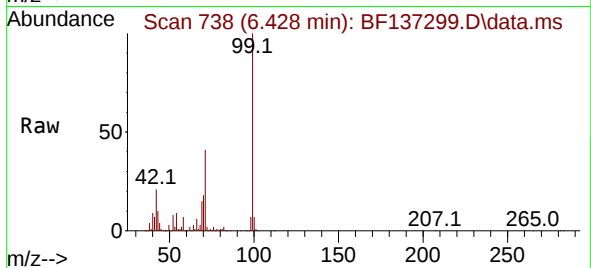
Instrument :

BNA_F

ClientSampleId :

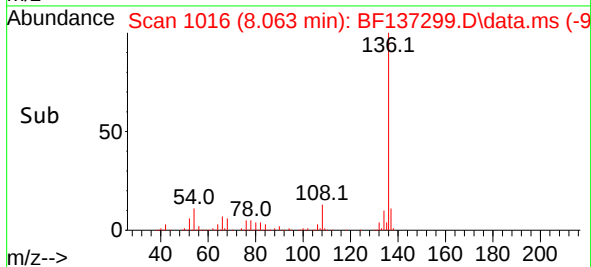
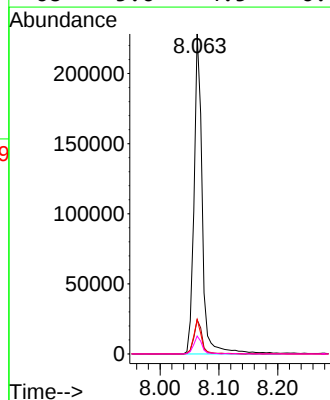
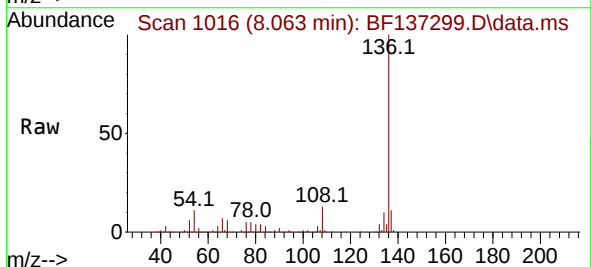
EB-4-0-2

Tgt Ion: 99 Resp: 759077
Ion Ratio Lower Upper
99 100
42 21.5 16.4 24.6
71 41.1 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: BF137299.D
Acq: 06 Feb 2024 18:52

Tgt Ion: 136 Resp: 222593
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 10.8 7.8 11.8
68 5.6 4.5 6.7





#23

Nitrobenzene-d5

Concen: 118.421 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF137299.D

Acq: 06 Feb 2024 18:52

Instrument :

BNA_F

ClientSampleId :

EB-4-0-2

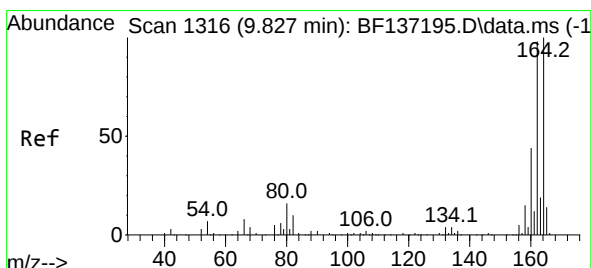
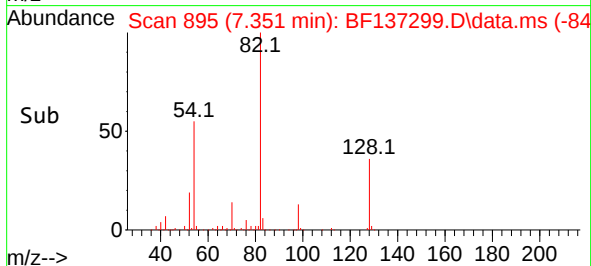
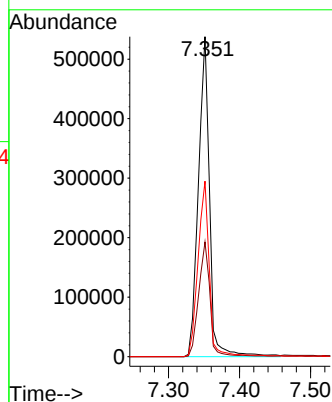
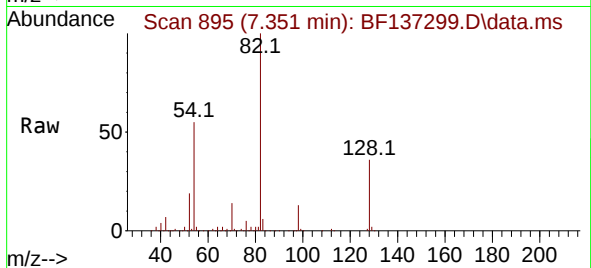
Tgt Ion: 82 Resp: 588760

Ion Ratio Lower Upper

82 100

128 35.9 29.1 43.7

54 54.8 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: BF137299.D

Acq: 06 Feb 2024 18:52

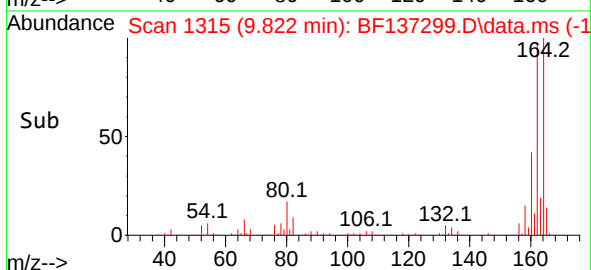
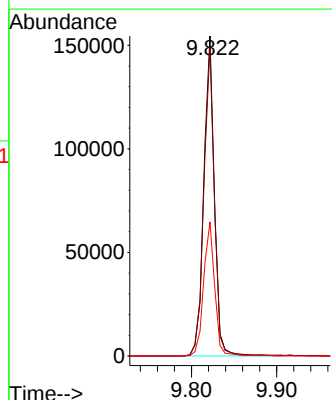
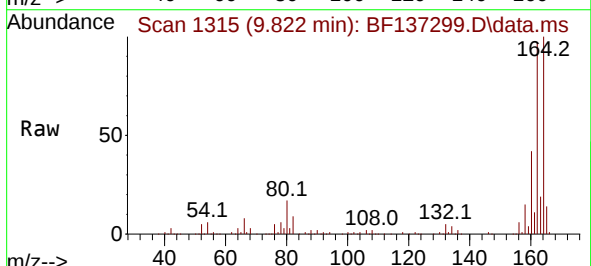
Tgt Ion:164 Resp: 132912

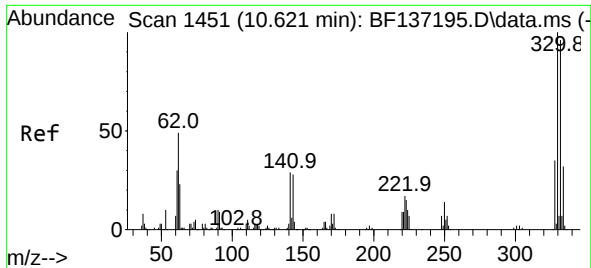
Ion Ratio Lower Upper

164 100

162 96.5 78.3 117.5

160 41.9 35.4 53.2

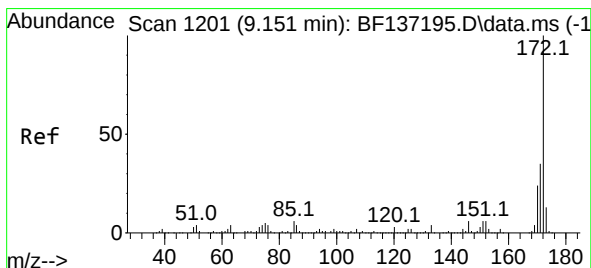
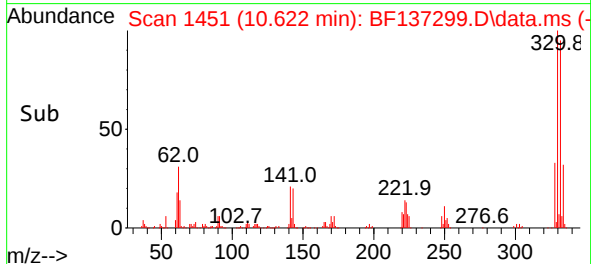
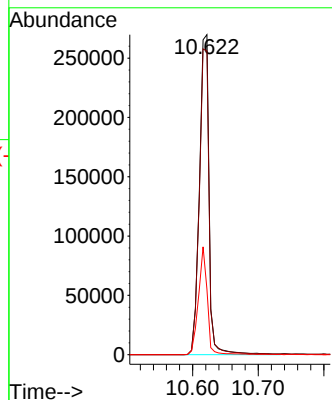
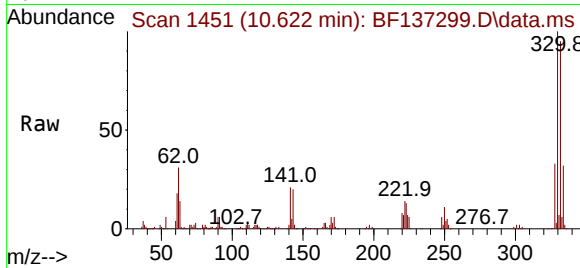




#42
 2,4,6-Tribromophenol
 Concen: 185.075 ng
 RT: 10.622 min Scan# 1451
 Delta R.T. 0.000 min
 Lab File: BF137299.D
 Acq: 06 Feb 2024 18:52

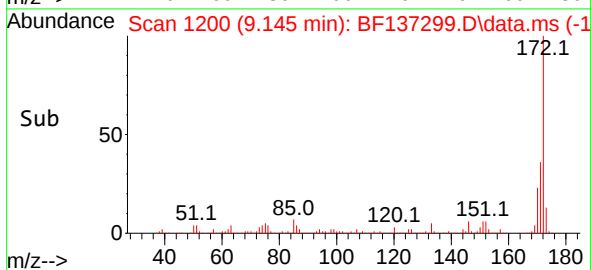
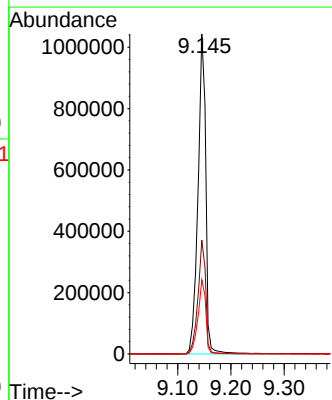
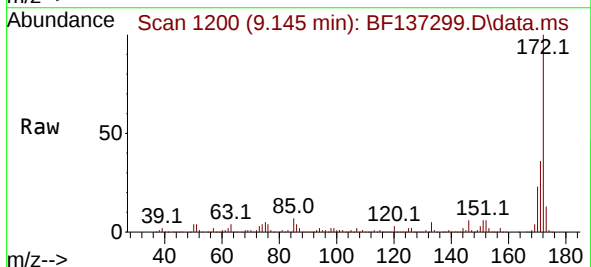
Instrument :
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 EB-4-0-2

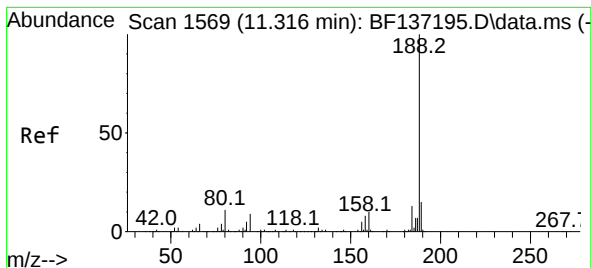
Tgt Ion: 330 Resp: 277806
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.3 115.9
 141 31.0 25.2 37.8



#45
 2-Fluorobiphenyl
 Concen: 110.430 ng
 RT: 9.145 min Scan# 1200
 Delta R.T. -0.006 min
 Lab File: BF137299.D
 Acq: 06 Feb 2024 18:52

Tgt Ion: 172 Resp: 1067706
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.3 42.5
 170 23.2 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: BF137299.D

Acq: 06 Feb 2024 18:52

Instrument :

BNA_F

ClientSampleId :

EB-4-0-2

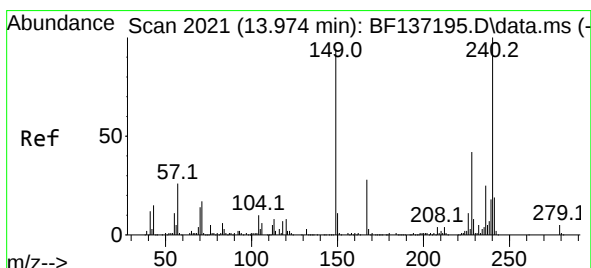
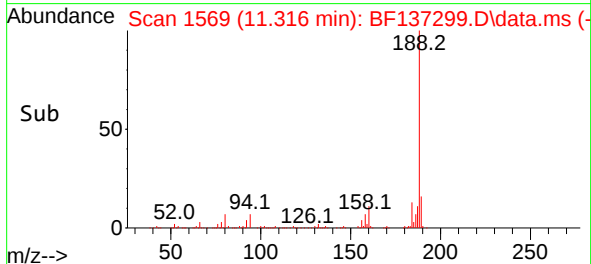
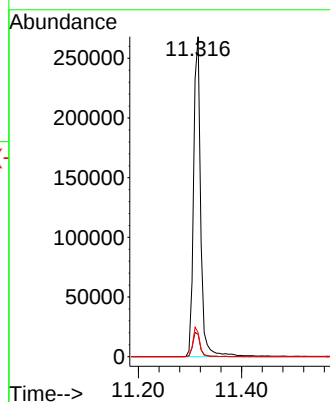
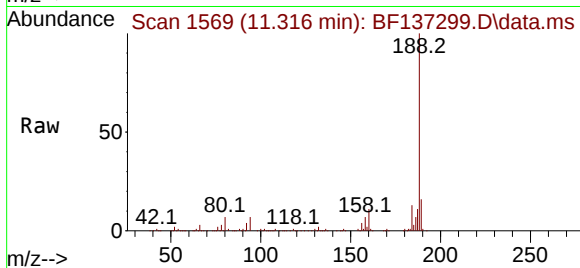
Tgt Ion:188 Resp: 257376

Ion Ratio Lower Upper

188 100

94 7.0 7.0 10.4

80 7.5 8.8 13.2#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF137299.D

Acq: 06 Feb 2024 18:52

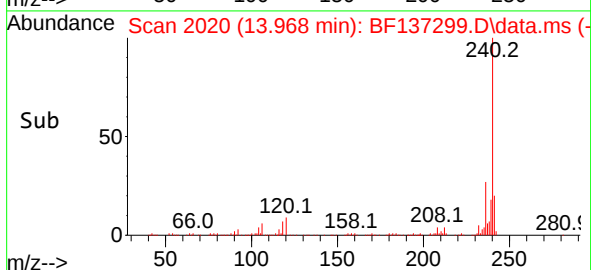
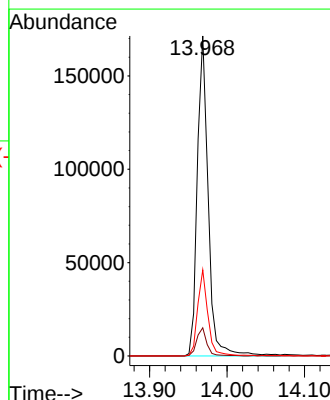
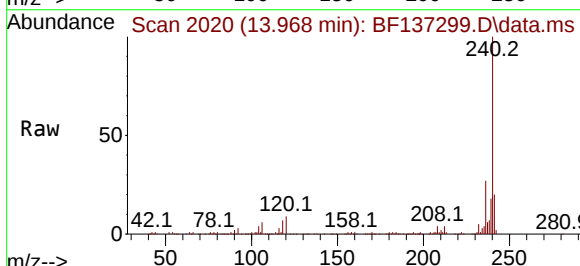
Tgt Ion:240 Resp: 167666

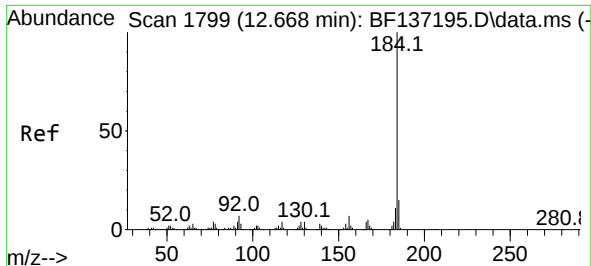
Ion Ratio Lower Upper

240 100

120 8.8 6.3 9.5

236 26.9 20.3 30.5

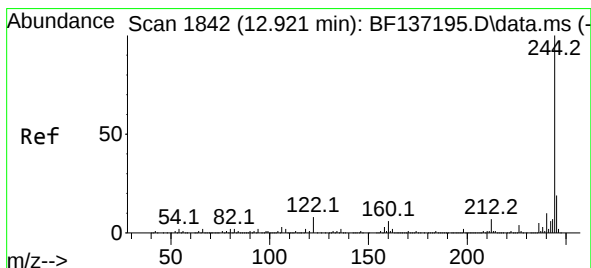
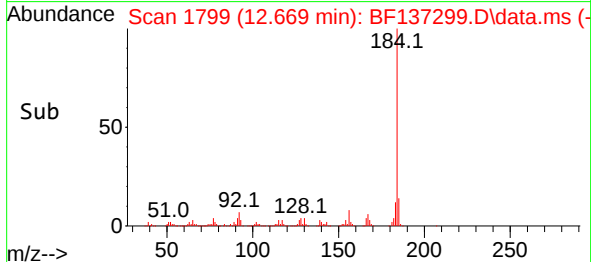
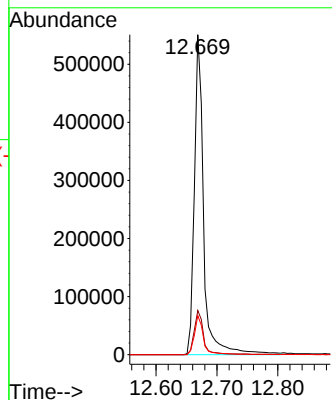
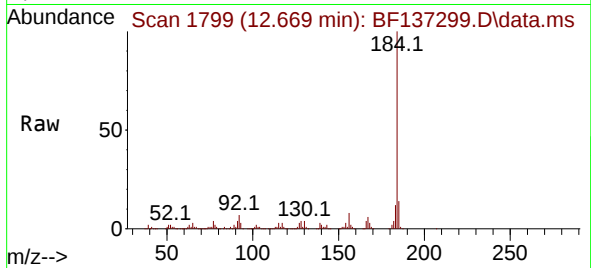




#77
Benzidine
Concen: 194.924 ng
RT: 12.669 min Scan# 1799
Delta R.T. 0.001 min
Lab File: BF137299.D
Acq: 06 Feb 2024 18:52

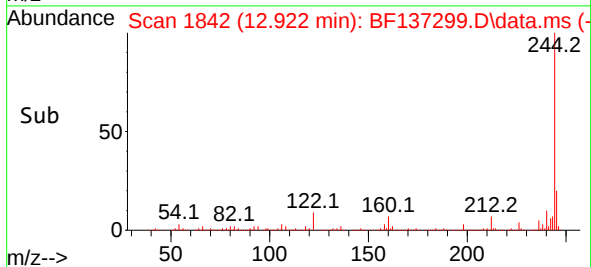
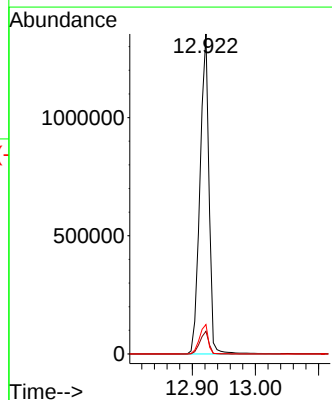
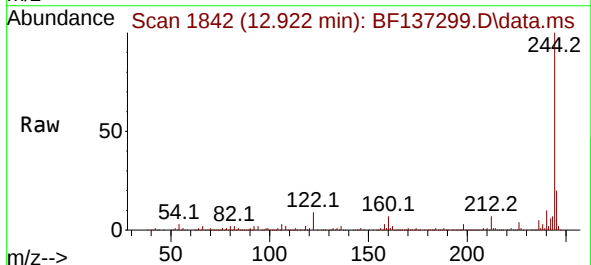
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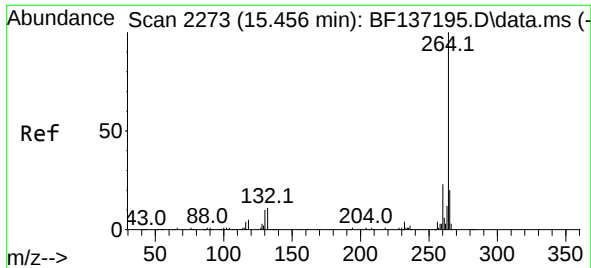
Tgt Ion:184 Resp: 585224
Ion Ratio Lower Upper
184 100
185 13.8 11.9 17.9
183 12.2 8.8 13.2



#79
Terphenyl-d14
Concen: 108.312 ng
RT: 12.922 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF137299.D
Acq: 06 Feb 2024 18:52

Tgt Ion:244 Resp: 1335858
Ion Ratio Lower Upper
244 100
212 7.1 5.5 8.3
122 9.2 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: BF137299.D
 Acq: 06 Feb 2024 18:52

Instrument :
 BNA_F
 ClientSampleId :
 EB-4-0-2

Tgt Ion:264 Resp: 142836
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.2 27.4
 265 21.0 16.2 24.2

