

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020124\
 Data File : BF137233.D
 Acq On : 01 Feb 2024 15:52
 Operator : CG\JU
 Sample : P1307-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-614-COMP-01

Quant Time: Feb 01 16:10:52 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)

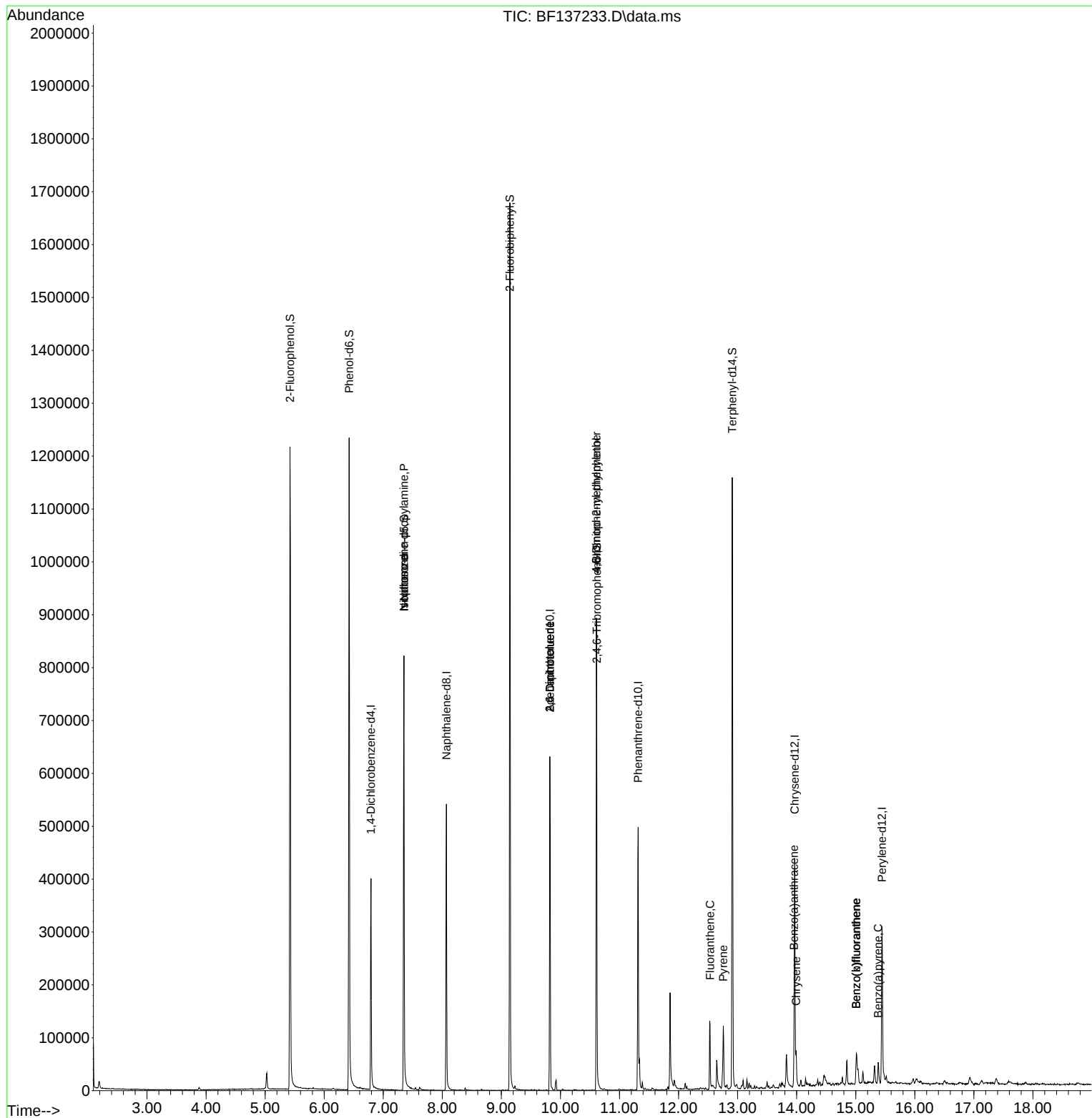
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	58348	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	227761	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	122715	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	203996	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	147577	20.000	ng	0.00
86) Perylene-d12	15.445	264	147318	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	314312	88.887	ng	0.00
7) Phenol-d6	6.422	99	417558	82.745	ng	0.00
23) Nitrobenzene-d5	7.351	82	271440	53.358	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	106534	76.871	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	478116	53.559	ng	0.00
79) Terphenyl-d14	12.910	244	419499	38.643	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	36930	10.673	ng	# 74
25) Isophorone	7.351	82	271436	28.907	ng	# 67
51) 2,6-Dinitrotoluene	9.822	165	16313	9.228	ng	# 17
57) 2,4-Dinitrotoluene	9.822	165	16313	7.112	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.610	198	268	5.675	ng	# 14
67) 4-Bromophenyl-phenylether	10.610	248	7048	3.142	ng	# 1
75) Fluoranthene	12.533	202	57814	5.173	ng	97
78) Pyrene	12.757	202	51352	3.621	ng	96
81) Benzo(a)anthracene	13.957	228	28176	2.696	ng	99
83) Chrysene	13.992	228	26452	2.574	ng	97
88) Benzo(b)fluoranthene	15.010	252	47051	5.193	ng	# 97
89) Benzo(k)fluoranthene	15.010	252	47051	4.909	ng	# 96
90) Benzo(a)pyrene	15.380	252	23263	2.728	ng	# 93

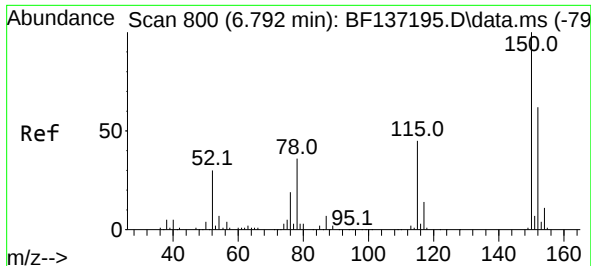
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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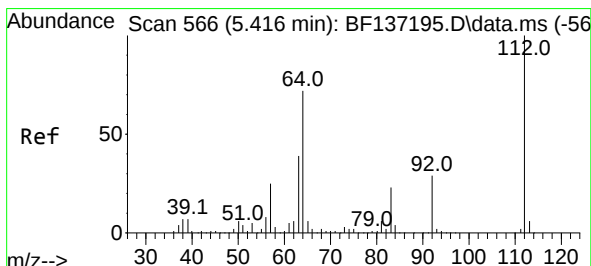
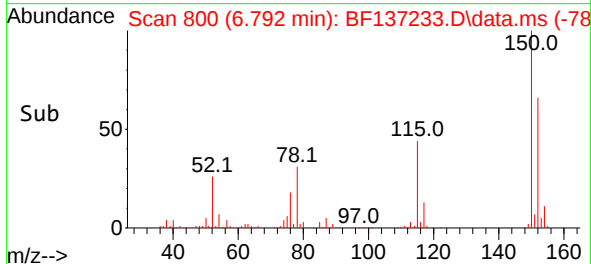
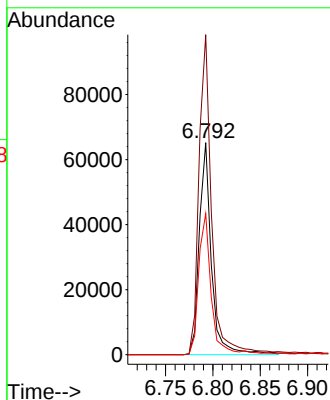
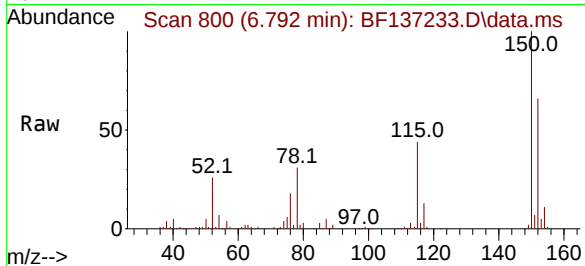




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF137233.D
Acq: 01 Feb 2024 15:52

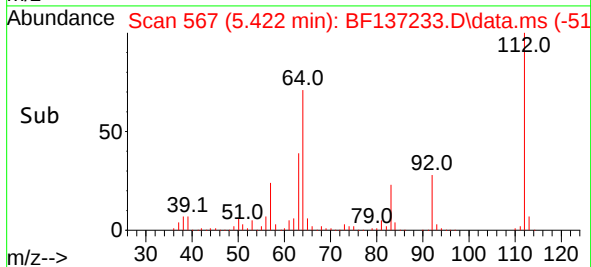
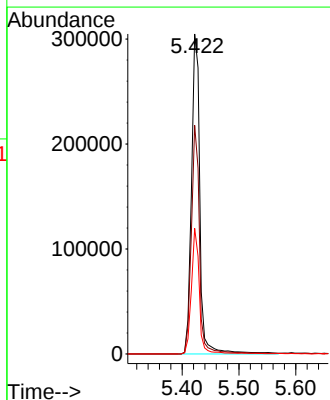
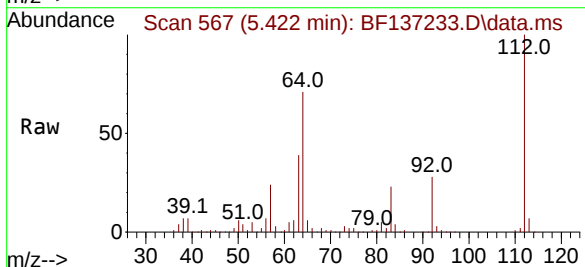
Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-01

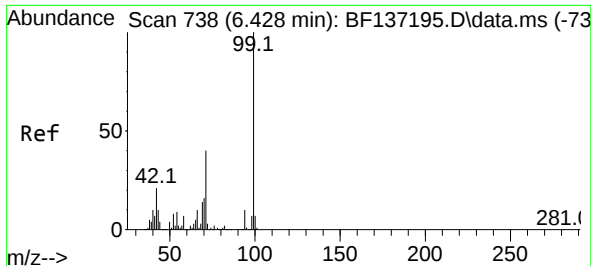
Tgt Ion:152 Resp: 58348
Ion Ratio Lower Upper
152 100
150 150.9 129.8 194.8
115 66.6 58.5 87.7



#5
2-Fluorophenol
Concen: 88.887 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.006 min
Lab File: BF137233.D
Acq: 01 Feb 2024 15:52

Tgt Ion:112 Resp: 314312
Ion Ratio Lower Upper
112 100
64 71.4 57.8 86.6
63 39.2 31.4 47.0

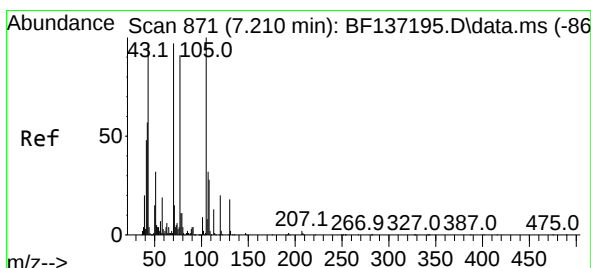
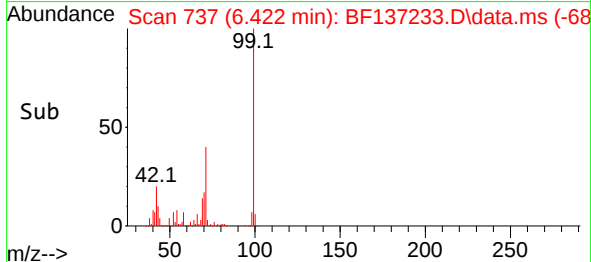
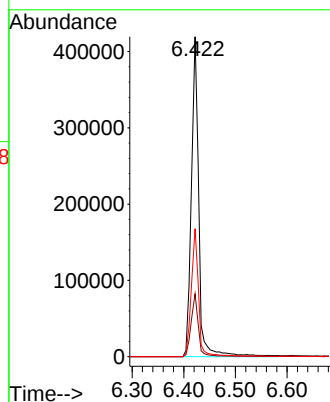
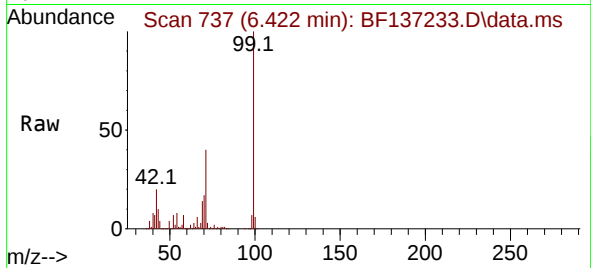




#7
Phenol-d6
Concen: 82.745 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137233.D
Acq: 01 Feb 2024 15:52

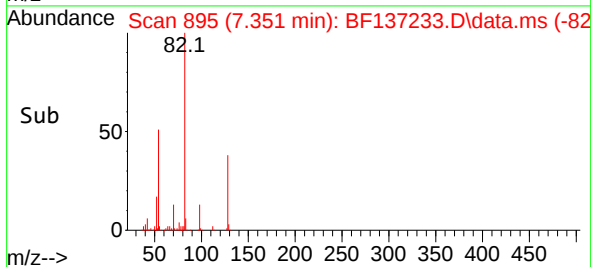
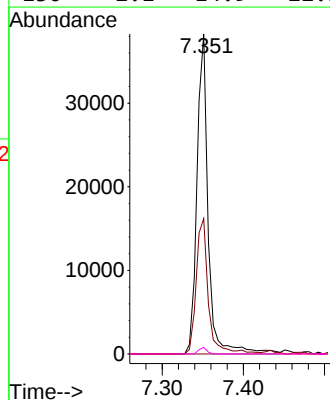
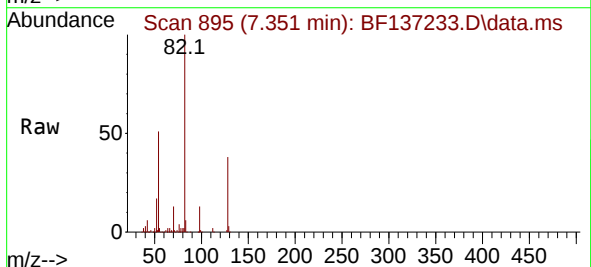
Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-01

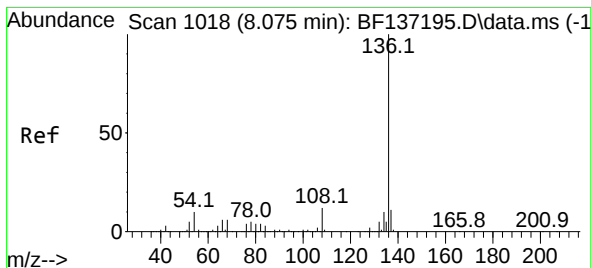
Tgt Ion: 99 Resp: 417558
Ion Ratio Lower Upper
99 100
42 19.6 16.4 24.6
71 40.0 32.4 48.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.673 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF137233.D
Acq: 01 Feb 2024 15:52

Tgt Ion: 70 Resp: 36930
Ion Ratio Lower Upper
70 100
42 42.3 47.2 70.8#
101 0.0 7.4 11.0#
130 2.1 14.9 22.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF137233.D

Acq: 01 Feb 2024 15:52

Instrument :

BNA_F

ClientSampleId :

TR-614-COMP-01

Tgt Ion:136 Resp: 227761

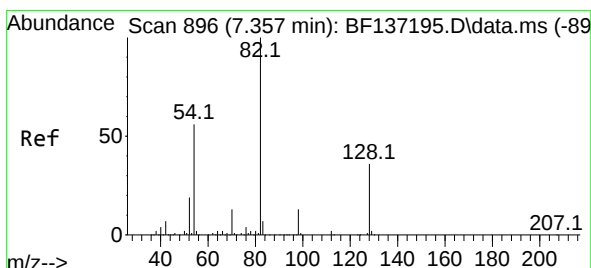
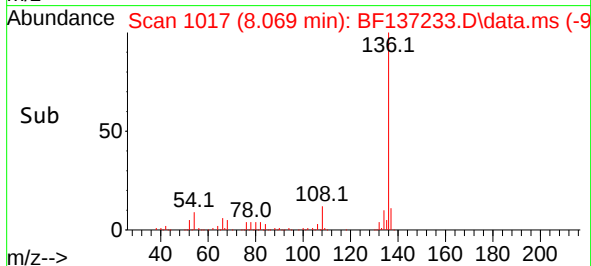
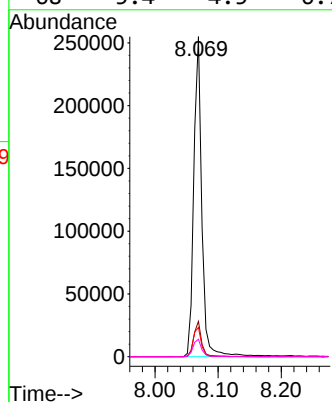
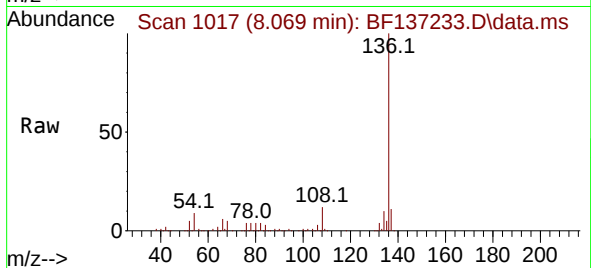
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.1 7.8 11.8

68 5.4 4.5 6.7



#23

Nitrobenzene-d5

Concen: 53.358 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF137233.D

Acq: 01 Feb 2024 15:52

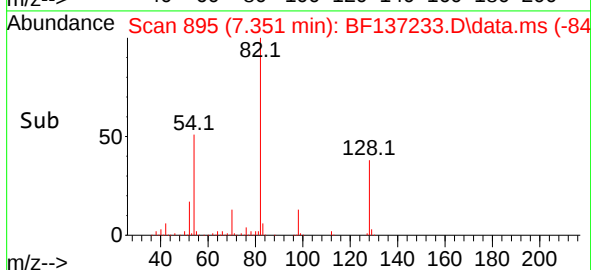
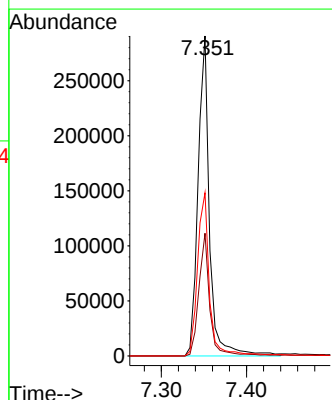
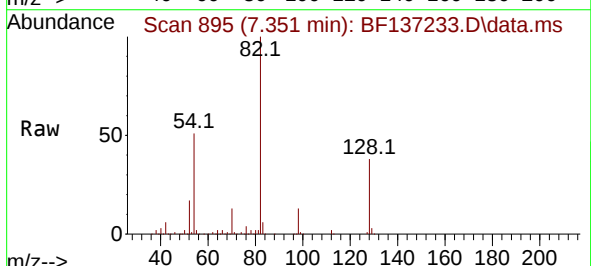
Tgt Ion: 82 Resp: 271440

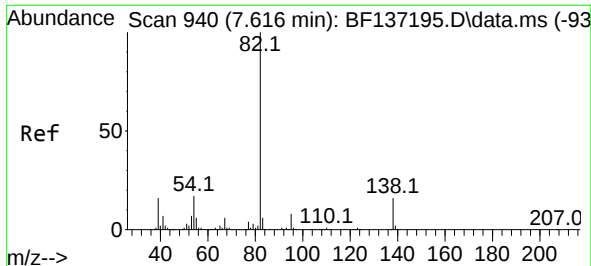
Ion Ratio Lower Upper

82 100

128 38.4 29.1 43.7

54 51.0 45.0 67.6

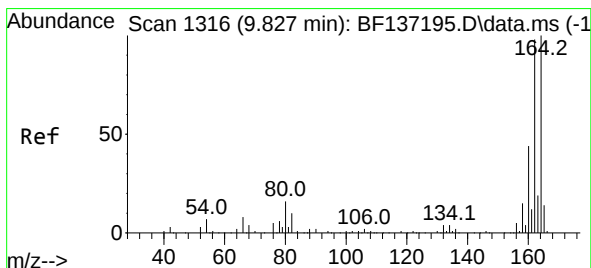
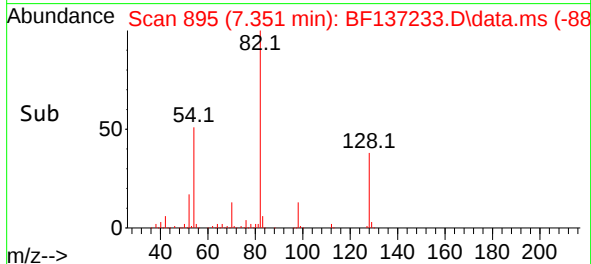
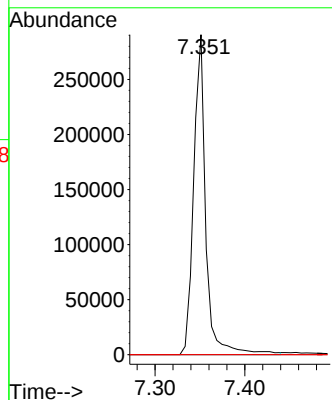
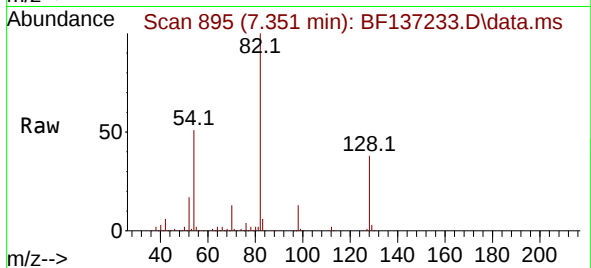




#25
Isophorone
Concen: 28.907 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.265 min
Lab File: BF137233.D
Acq: 01 Feb 2024 15:52

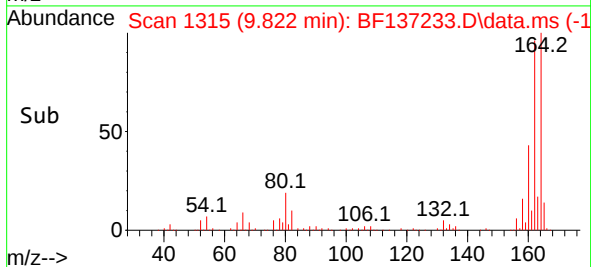
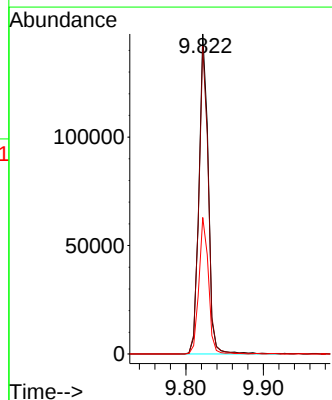
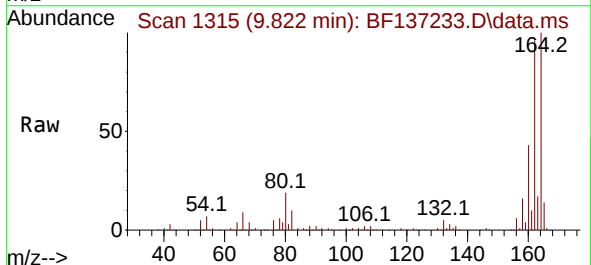
Instrument :
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TR-614-COMP-01

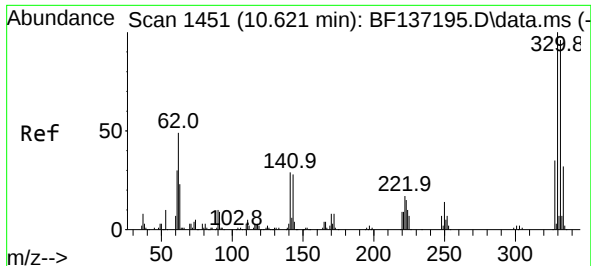
Tgt Ion: 82 Resp: 271436
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 12.7 19.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137233.D
Acq: 01 Feb 2024 15:52

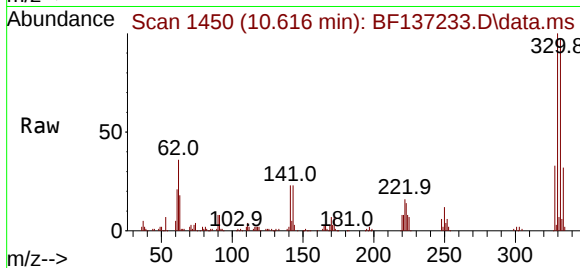
Tgt Ion:164 Resp: 122715
Ion Ratio Lower Upper
164 100
162 96.1 78.3 117.5
160 42.7 35.4 53.2



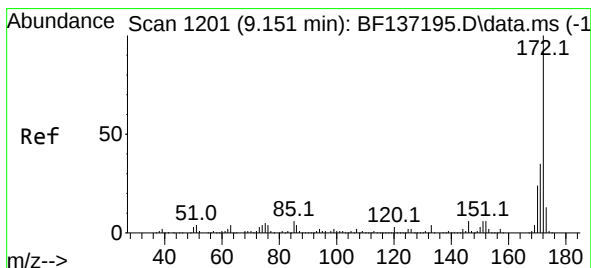
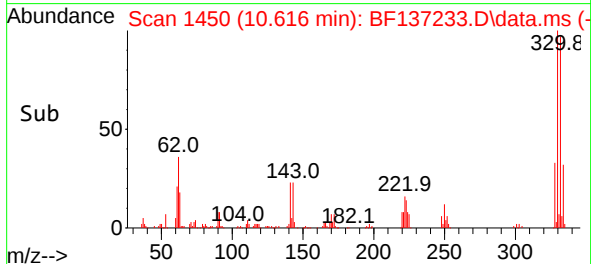
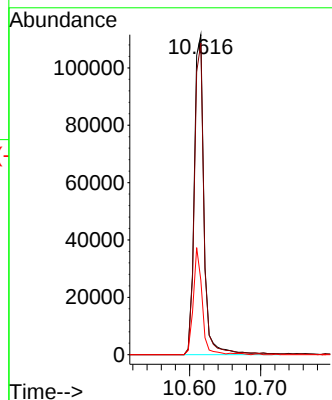


#42
2,4,6-Tribromophenol
Concen: 76.871 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137233.D
Acq: 01 Feb 2024 15:52

Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-01

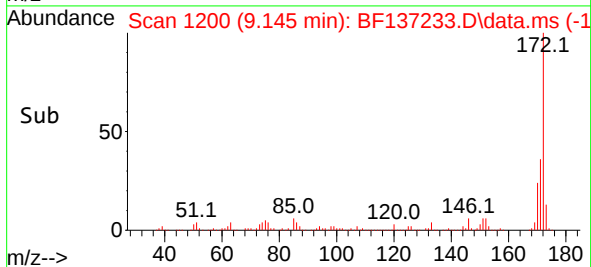
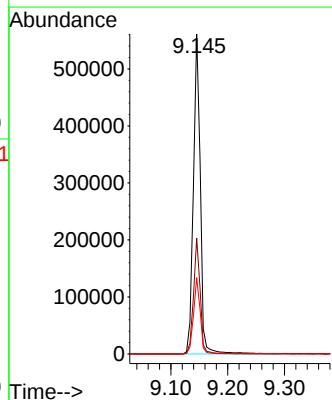
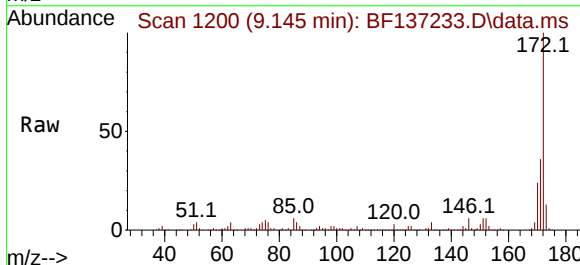


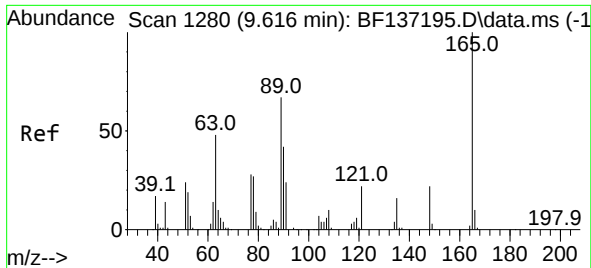
Tgt Ion:330 Resp: 106534
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 29.8 25.2 37.8



#45
2-Fluorobiphenyl
Concen: 53.559 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF137233.D
Acq: 01 Feb 2024 15:52

Tgt Ion:172 Resp: 478116
Ion Ratio Lower Upper
172 100
171 36.3 28.3 42.5
170 23.8 19.1 28.7

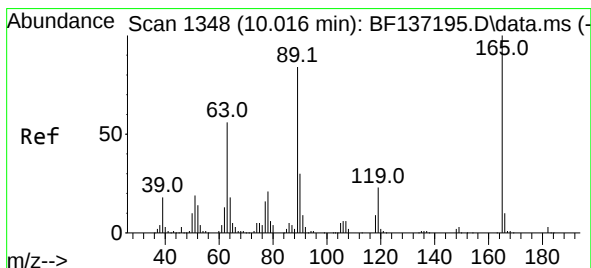
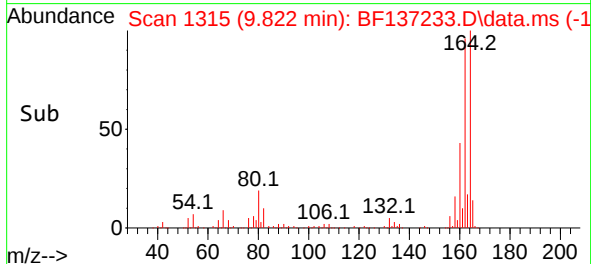
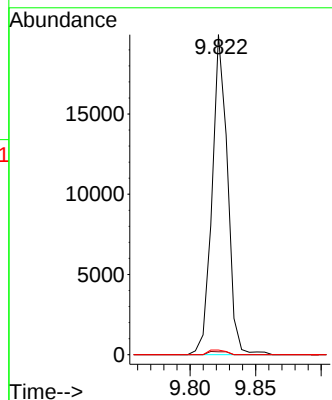
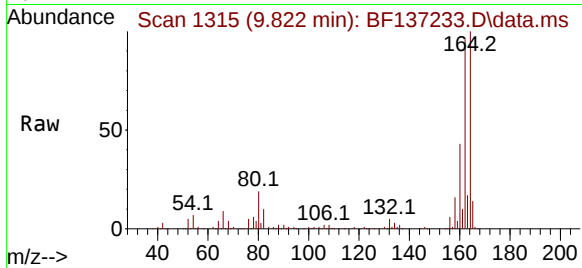




#51
2,6-Dinitrotoluene
Concen: 9.228 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF137233.D
Acq: 01 Feb 2024 15:52

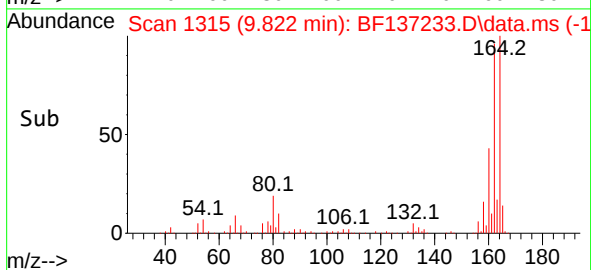
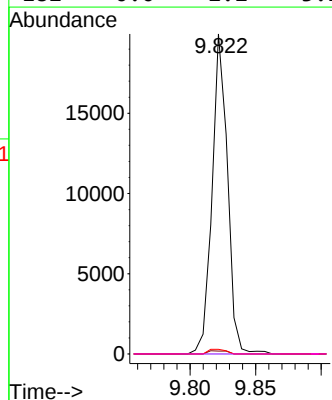
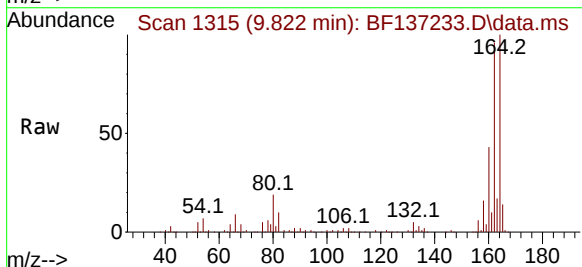
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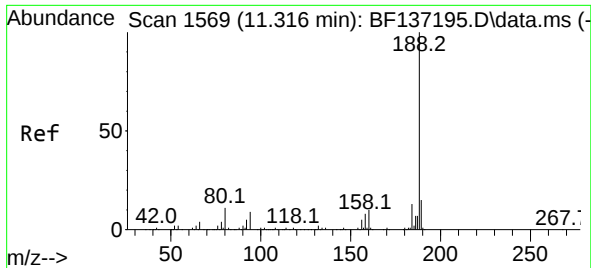
Tgt Ion:165 Resp: 16313
Ion Ratio Lower Upper
165 100
63 0.9 55.1 82.7#
89 1.5 53.5 80.3#



#57
2,4-Dinitrotoluene
Concen: 7.112 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.194 min
Lab File: BF137233.D
Acq: 01 Feb 2024 15:52

Tgt Ion:165 Resp: 16313
Ion Ratio Lower Upper
165 100
63 0.9 46.1 69.1#
89 1.5 67.5 101.3#
182 0.0 2.2 3.2#

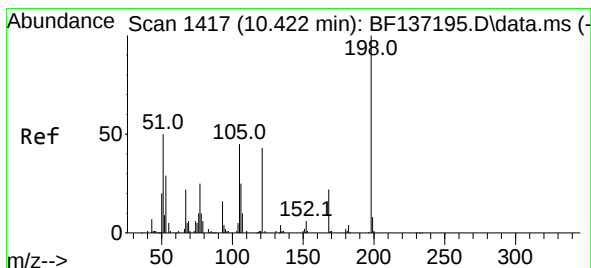
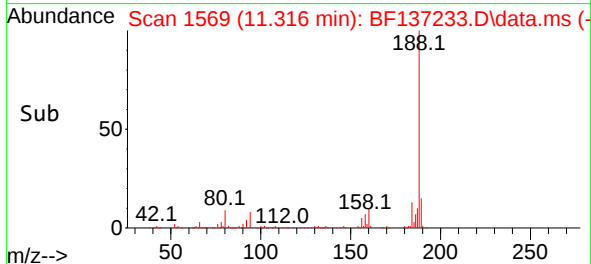
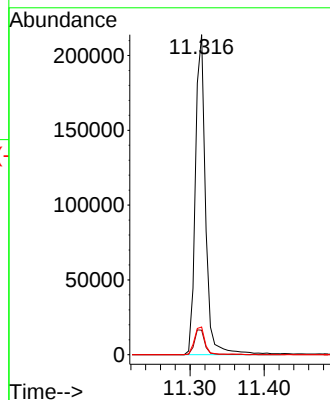
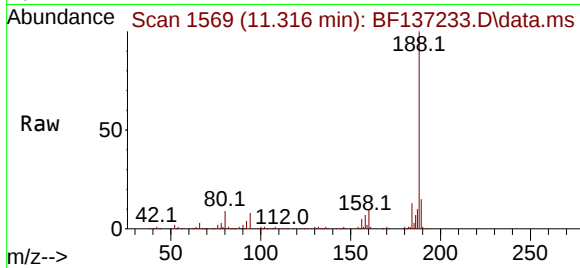




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 111
Delta R.T. -0.000 min
Lab File: BF137233.D
Acq: 01 Feb 2024 15:52

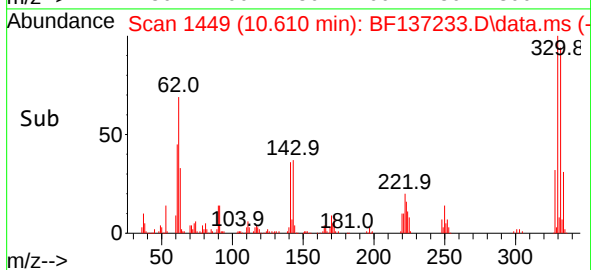
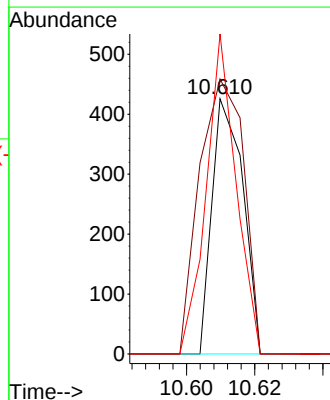
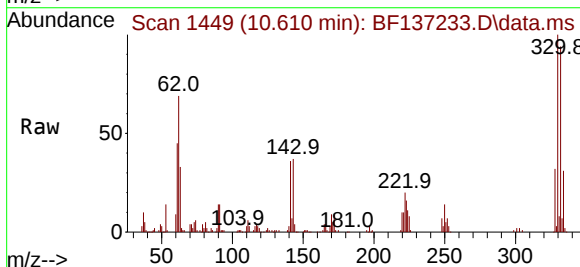
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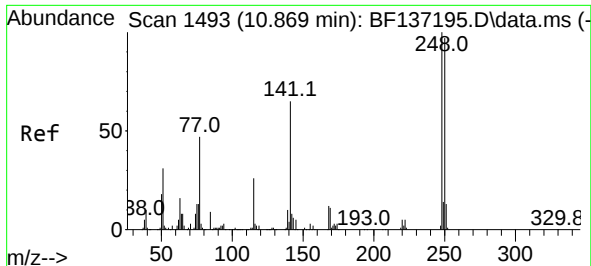
Tgt Ion:188 Resp: 203996
Ion Ratio Lower Upper
188 100
94 7.7 7.0 10.4
80 8.7 8.8 13.2#



#65
4,6-Dinitro-2-methylphenol
Concen: 5.675 ng
RT: 10.610 min Scan# 1449
Delta R.T. 0.188 min
Lab File: BF137233.D
Acq: 01 Feb 2024 15:52

Tgt Ion:198 Resp: 268
Ion Ratio Lower Upper
198 100
51 107.7 40.9 80.9#
105 125.4 26.5 66.5#

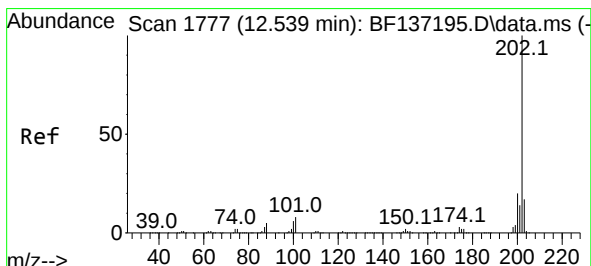
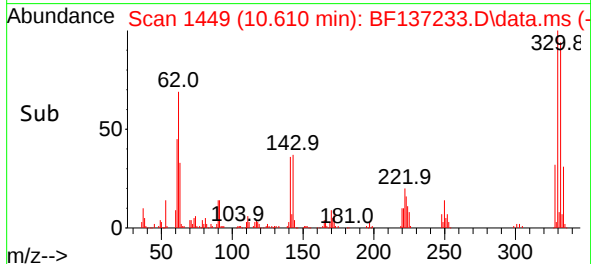
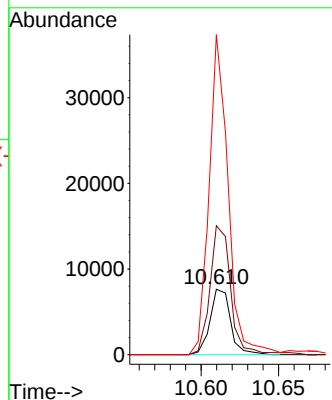
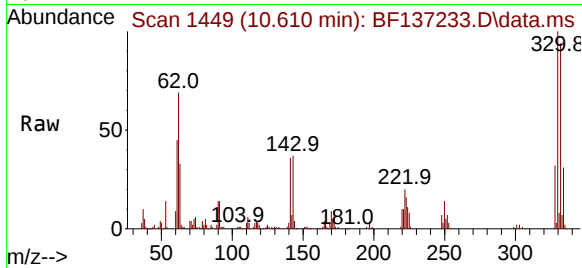




#67
4-Bromophenyl-phenylether
Concen: 3.142 ng
RT: 10.610 min Scan# 1493
Delta R.T. -0.259 min
Lab File: BF137233.D
Acq: 01 Feb 2024 15:52

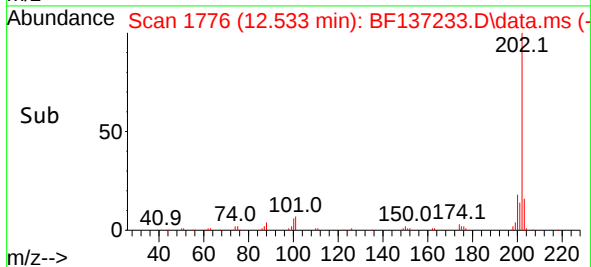
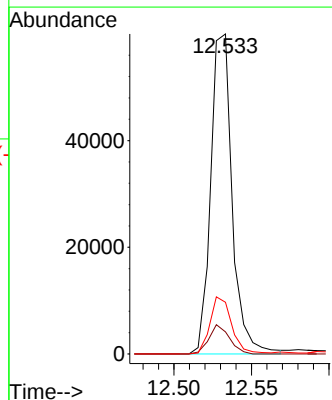
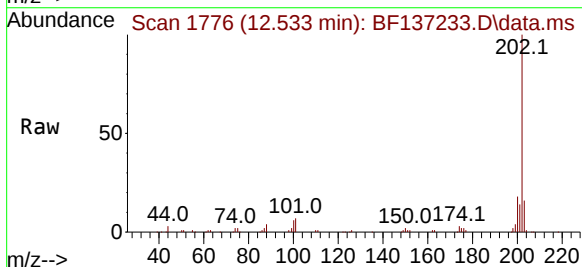
Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-01

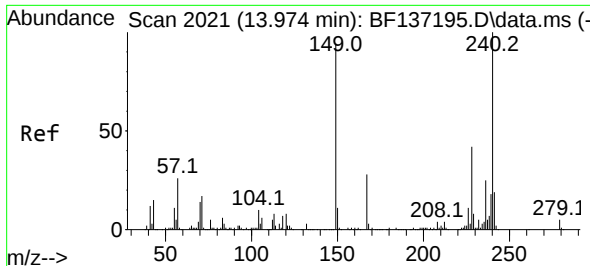
Tgt Ion:248 Resp: 7048
Ion Ratio Lower Upper
248 100
250 196.9 77.7 116.5#
141 488.6 51.6 77.4#



#75
Fluoranthene
Concen: 5.173 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF137233.D
Acq: 01 Feb 2024 15:52

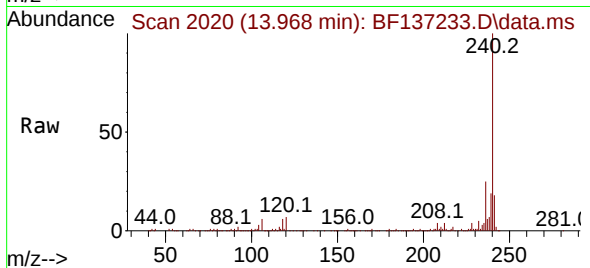
Tgt Ion:202 Resp: 57814
Ion Ratio Lower Upper
202 100
101 6.9 0.0 28.4
203 16.1 0.0 37.3



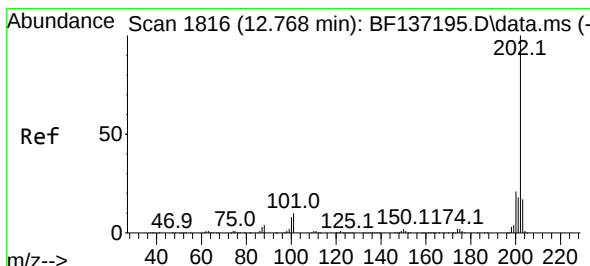
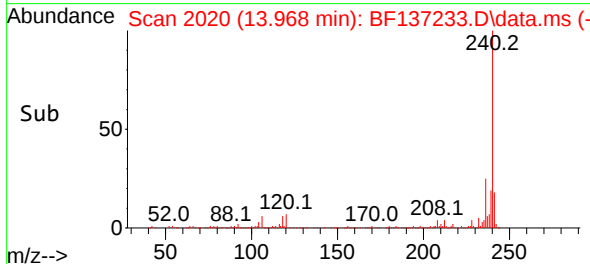
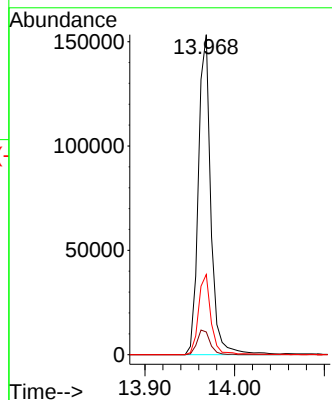


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF137233.D
Acq: 01 Feb 2024 15:52

Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-01

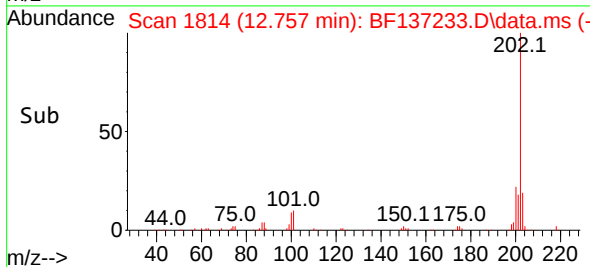
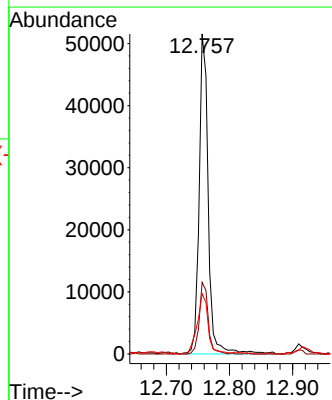
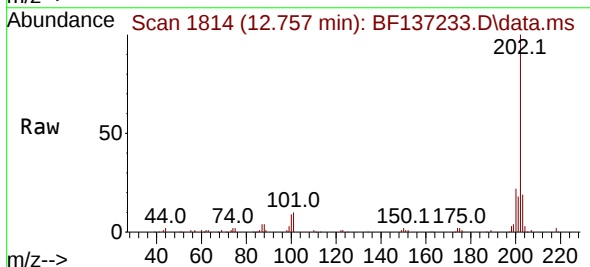


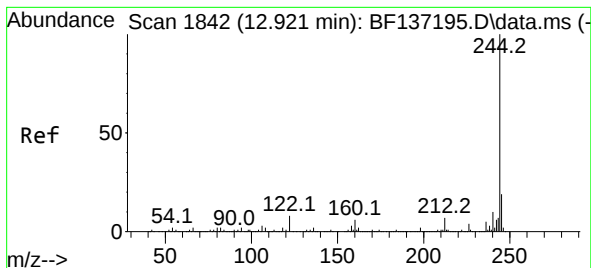
Tgt Ion:240 Resp: 147577
Ion Ratio Lower Upper
240 100
120 7.1 6.3 9.5
236 25.0 20.3 30.5



#78
Pyrene
Concen: 3.621 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF137233.D
Acq: 01 Feb 2024 15:52

Tgt Ion:202 Resp: 51352
Ion Ratio Lower Upper
202 100
200 22.3 16.5 24.7
203 18.8 13.8 20.6





#79

Terphenyl-d14

Concen: 38.643 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF137233.D

Acq: 01 Feb 2024 15:52

Instrument :

BNA_F

ClientSampleId :

TR-614-COMP-01

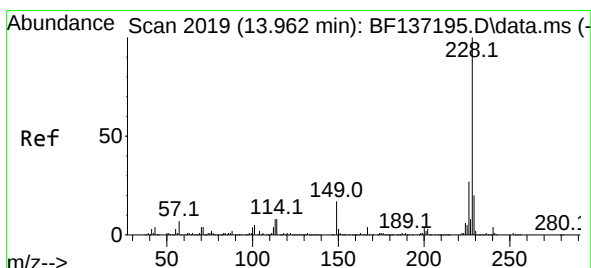
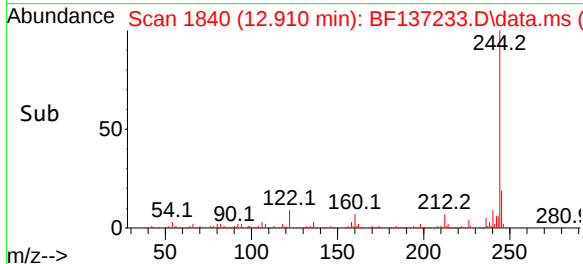
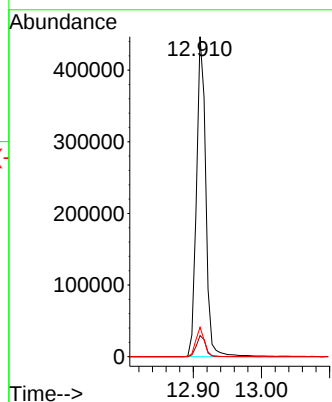
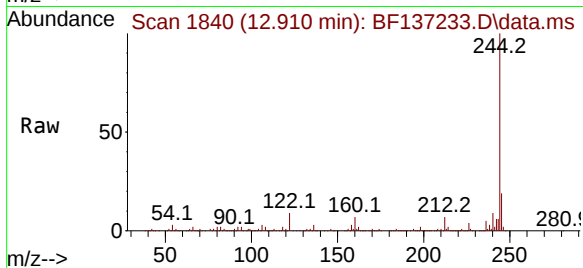
Tgt Ion:244 Resp: 419499

Ion Ratio Lower Upper

244 100

212 6.6 5.5 8.3

122 9.2 6.2 9.4



#81

Benzo(a)anthracene

Concen: 2.696 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF137233.D

Acq: 01 Feb 2024 15:52

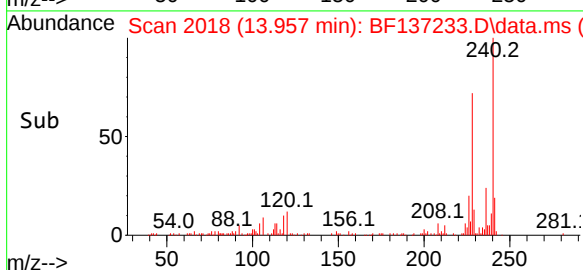
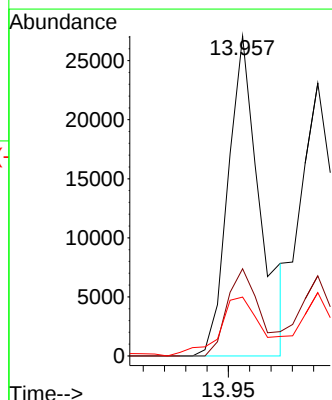
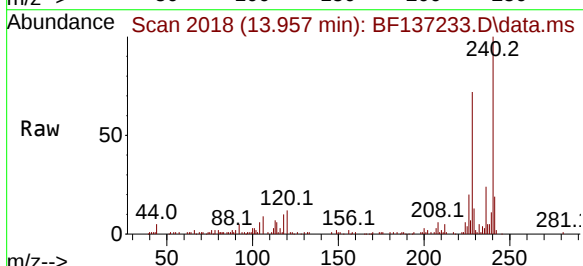
Tgt Ion:228 Resp: 28176

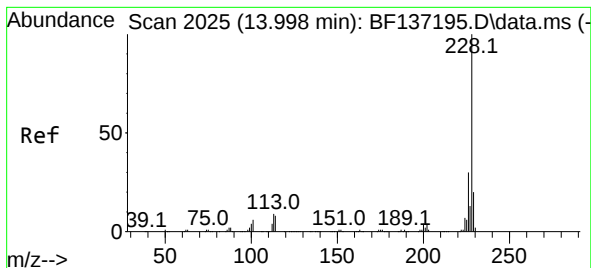
Ion Ratio Lower Upper

228 100

226 27.3 21.6 32.4

229 18.4 15.8 23.6





#83

Chrysene

Concen: 2.574 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF137233.D

Acq: 01 Feb 2024 15:52

Instrument :

BNA_F

ClientSampleId :

TR-614-COMP-01

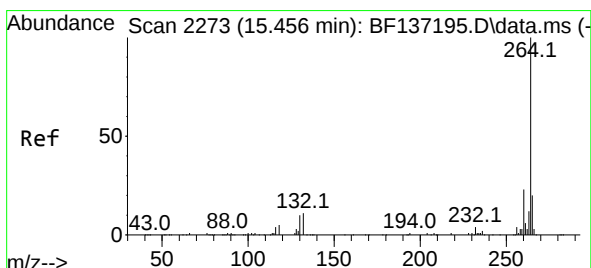
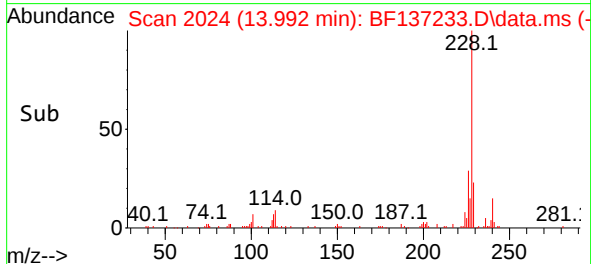
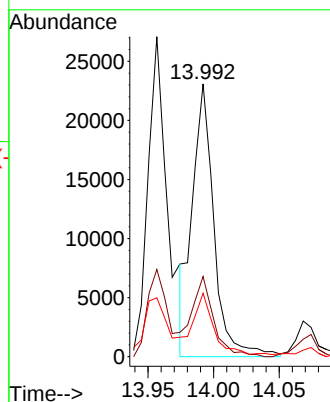
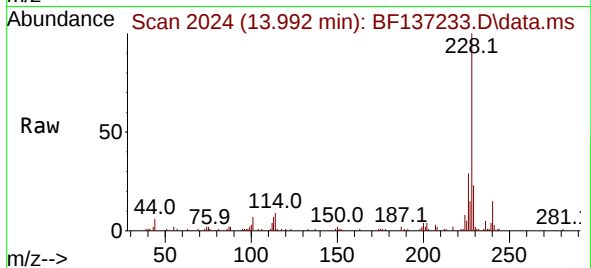
Tgt Ion:228 Resp: 26452

Ion Ratio Lower Upper

228 100

226 29.4 23.7 35.5

229 23.2 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF137233.D

Acq: 01 Feb 2024 15:52

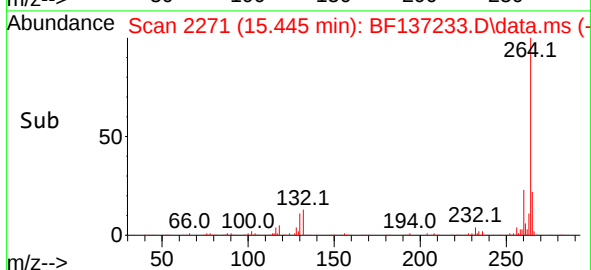
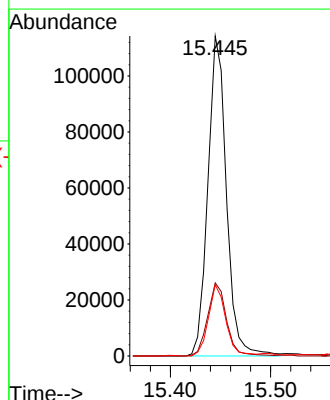
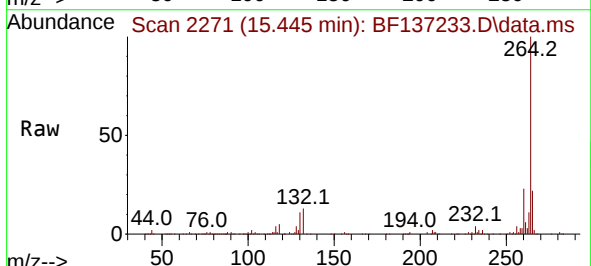
Tgt Ion:264 Resp: 147318

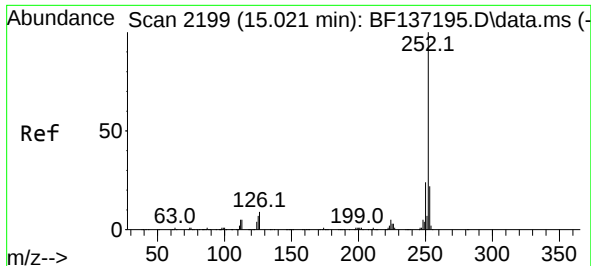
Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.4

265 22.3 16.2 24.2

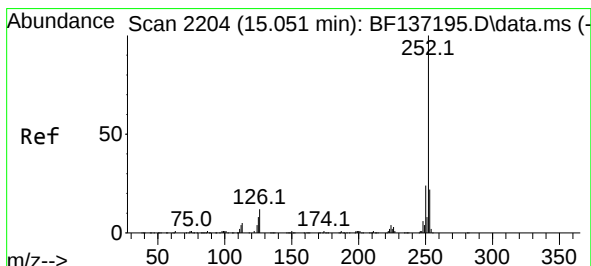
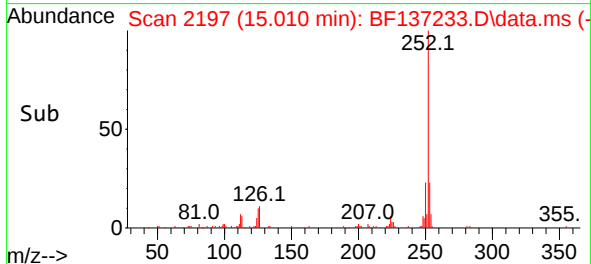
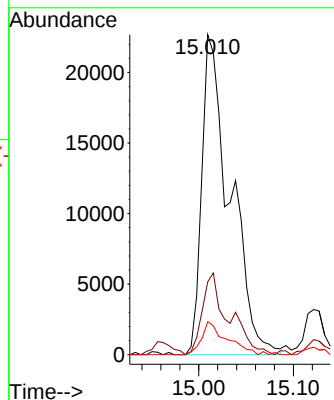
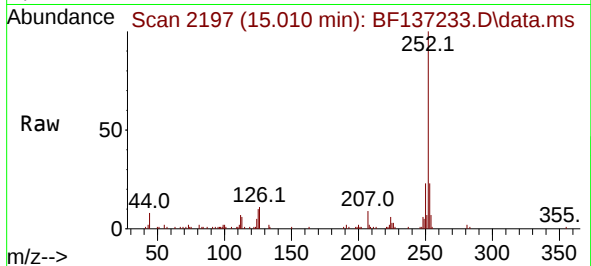




#88
Benzo(b)fluoranthene
Concen: 5.193 ng
RT: 15.010 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BF137233.D
Acq: 01 Feb 2024 15:52

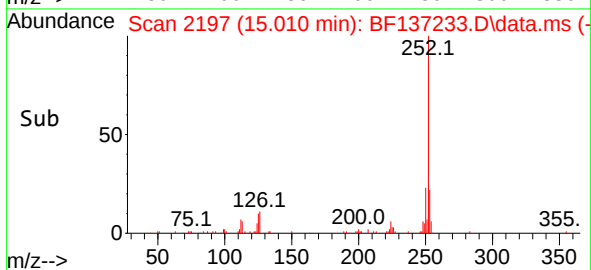
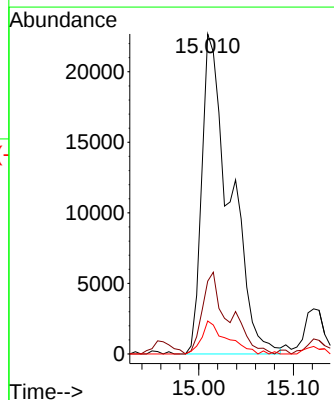
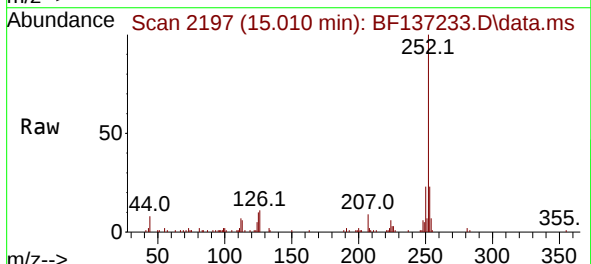
Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-01

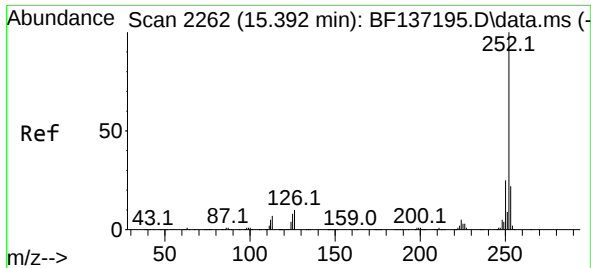
Tgt Ion:252 Resp: 47051
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 10.3 5.4 8.2#



#89
Benzo(k)fluoranthene
Concen: 4.909 ng
RT: 15.010 min Scan# 2197
Delta R.T. -0.041 min
Lab File: BF137233.D
Acq: 01 Feb 2024 15:52

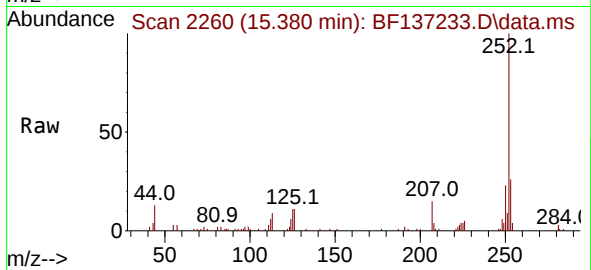
Tgt Ion:252 Resp: 47051
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 10.3 5.9 8.9#





#90
 Benzo(a)pyrene
 Concen: 2.728 ng
 RT: 15.380 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF137233.D
 Acq: 01 Feb 2024 15:52

Instrument :
 BNA_F
 ClientSampleId :
 TR-614-COMP-01



Tgt Ion:252 Resp: 23263
 Ion Ratio Lower Upper
 252 100
 253 25.7 17.8 26.6
 125 10.6 6.5 9.7#

