

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020124\
 Data File : BF137235.D
 Acq On : 01 Feb 2024 16:53
 Operator : CG\JU
 Sample : P1307-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-614-COMP-03

Quant Time: Feb 01 17:12:26 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)

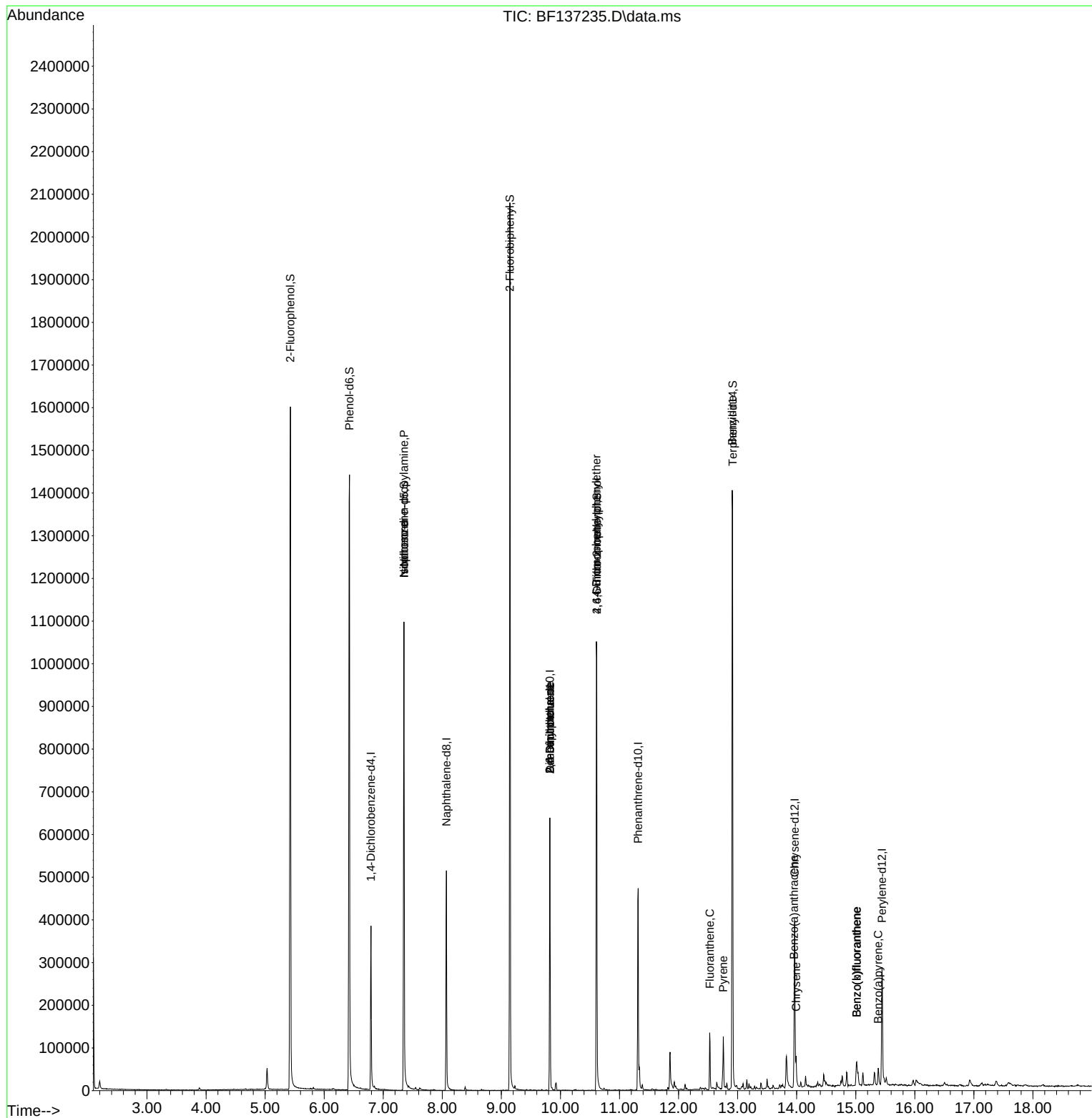
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	55471	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	218975	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	118481	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	196116	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	143091	20.000	ng	0.00
86) Perylene-d12	15.445	264	140604	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	402797	119.819	ng	0.01
7) Phenol-d6	6.428	99	544608	113.519	ng	0.00
23) Nitrobenzene-d5	7.351	82	374584	76.587	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	135828	101.510	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	616344	71.511	ng	0.00
79) Terphenyl-d14	12.916	244	548047	52.068	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	50694	15.411	ng	# 77
25) Isophorone	7.351	82	374581	41.492	ng	# 67
50) Dimethylphthalate	9.822	163	20372	2.545	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	14685	8.604	ng	# 18
57) 2,4-Dinitrotoluene	9.822	165	14685	6.631	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.616	198	413	5.807	ng	# 8
67) 4-Bromophenyl-phenylether	10.610	248	9283	4.305	ng	# 1
75) Fluoranthene	12.527	202	56537	5.262	ng	98
77) Benzidine	12.910	184	6817	2.661	ng	# 93
78) Pyrene	12.757	202	51906	3.775	ng	98
81) Benzo(a)anthracene	13.957	228	24817	2.449	ng	96
83) Chrysene	13.992	228	27265	2.737	ng	99
88) Benzo(b)fluoranthene	15.015	252	48101	5.563	ng	# 97
89) Benzo(k)fluoranthene	15.015	252	48101	5.258	ng	# 98
90) Benzo(a)pyrene	15.380	252	22423	2.756	ng	98

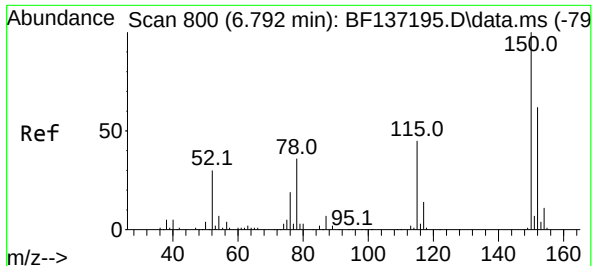
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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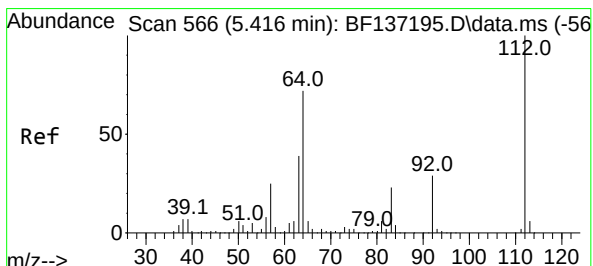
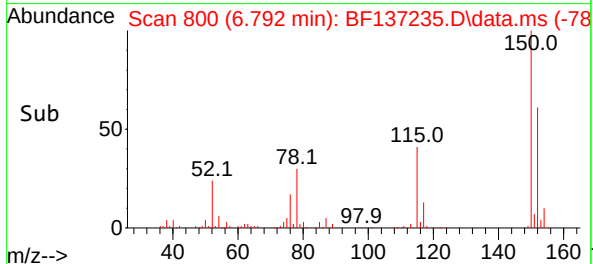
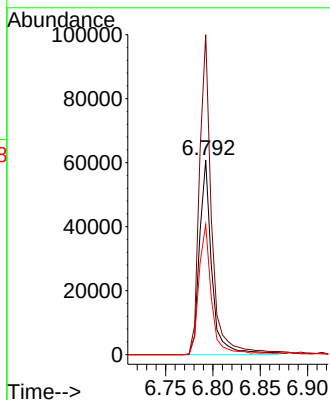
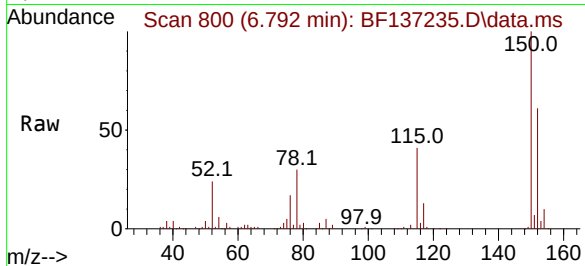




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF137235.D
Acq: 01 Feb 2024 16:53

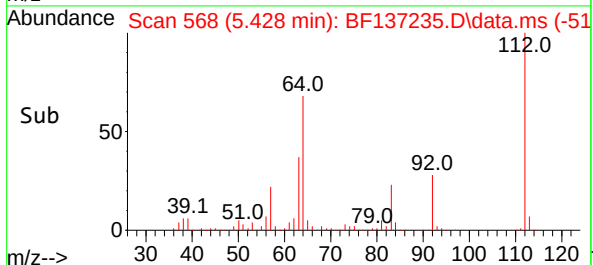
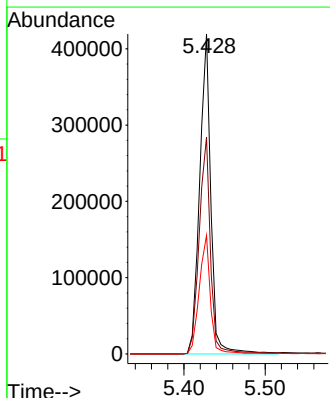
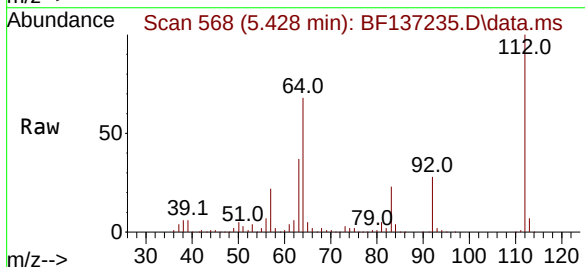
Instrument :
BNA_F
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TR-614-COMP-03

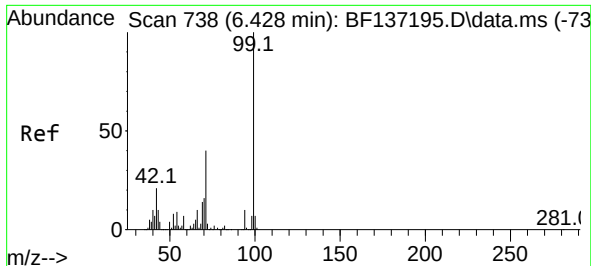
Tgt Ion:152 Resp: 55471
Ion Ratio Lower Upper
152 100
150 164.4 129.8 194.8
115 66.8 58.5 87.7



#5
2-Fluorophenol
Concen: 119.819 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.012 min
Lab File: BF137235.D
Acq: 01 Feb 2024 16:53

Tgt Ion:112 Resp: 402797
Ion Ratio Lower Upper
112 100
64 67.8 57.8 86.6
63 37.1 31.4 47.0

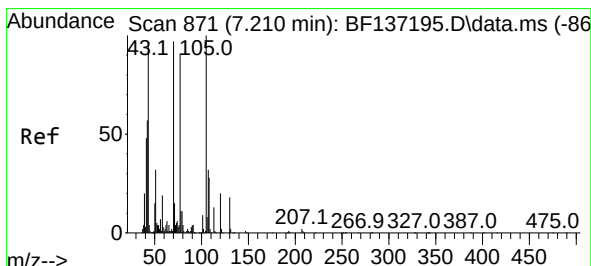
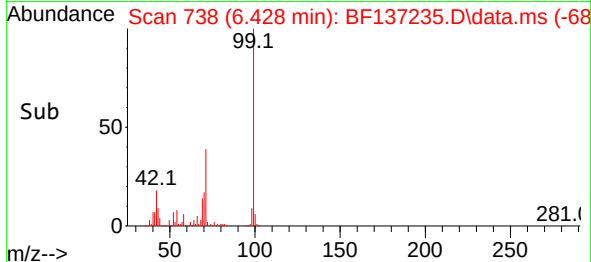
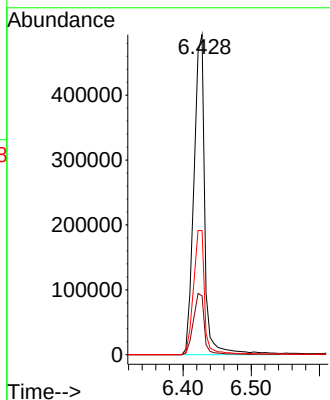
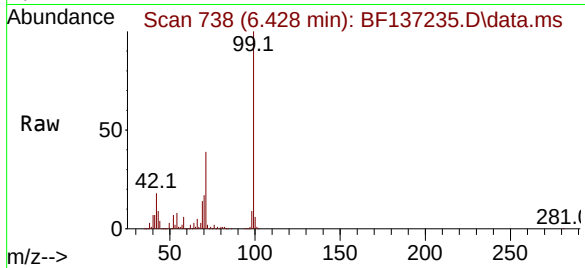




#7
Phenol-d6
Concen: 113.519 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF137235.D
Acq: 01 Feb 2024 16:53

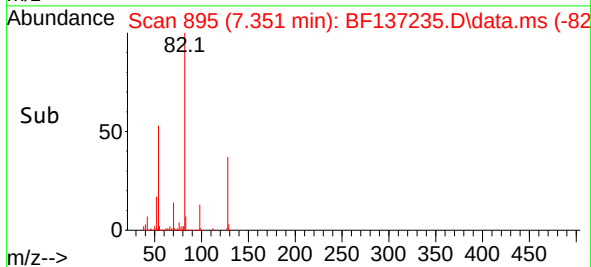
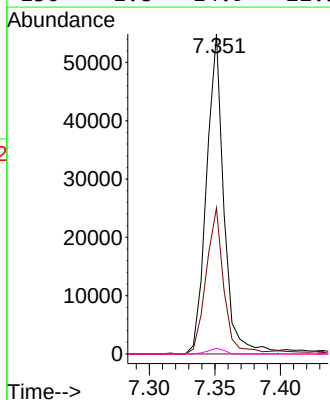
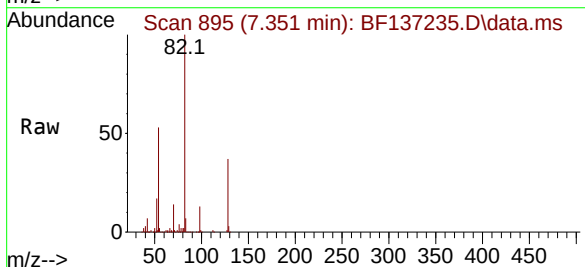
Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-03

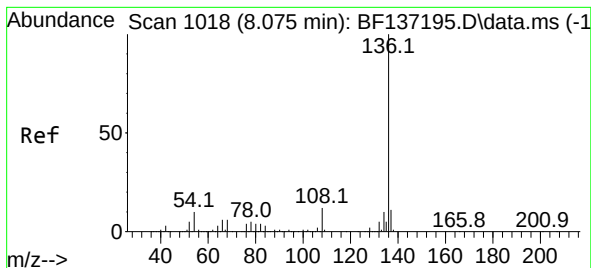
Tgt Ion: 99 Resp: 544608
Ion Ratio Lower Upper
99 100
42 18.4 16.4 24.6
71 38.8 32.4 48.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.411 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF137235.D
Acq: 01 Feb 2024 16:53

Tgt Ion: 70 Resp: 50694
Ion Ratio Lower Upper
70 100
42 45.6 47.2 70.8#
101 0.0 7.4 11.0#
130 1.8 14.9 22.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF137235.D

Acq: 01 Feb 2024 16:53

Instrument :

BNA_F

ClientSampleId :

TR-614-COMP-03

Tgt Ion:136 Resp: 218975

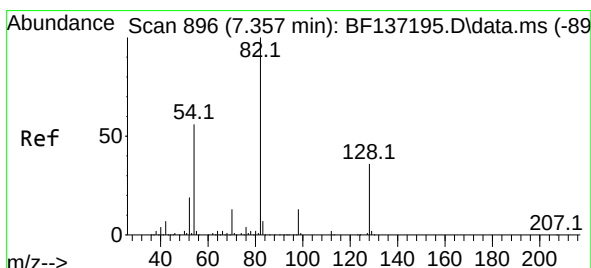
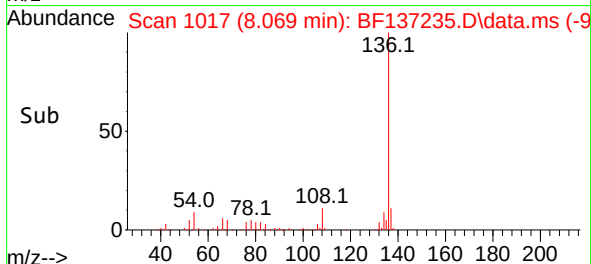
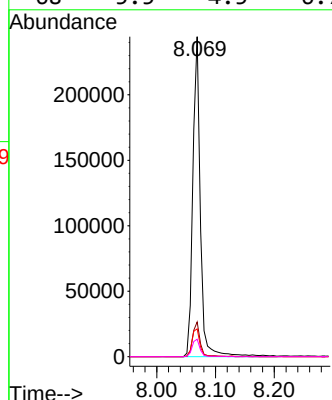
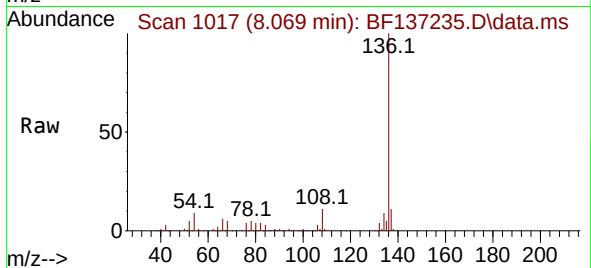
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.7 7.8 11.8

68 5.5 4.5 6.7



#23

Nitrobenzene-d5

Concen: 76.587 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF137235.D

Acq: 01 Feb 2024 16:53

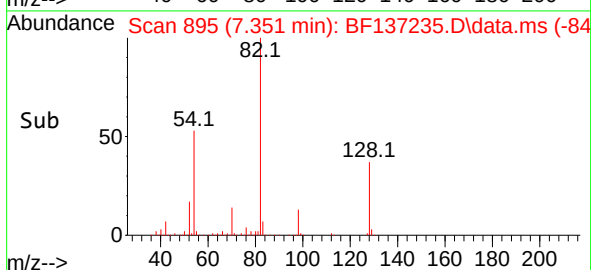
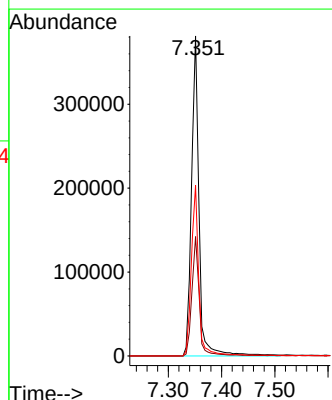
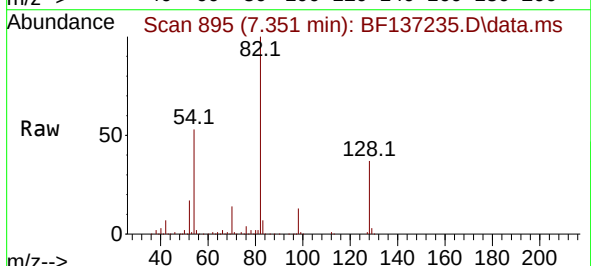
Tgt Ion: 82 Resp: 374584

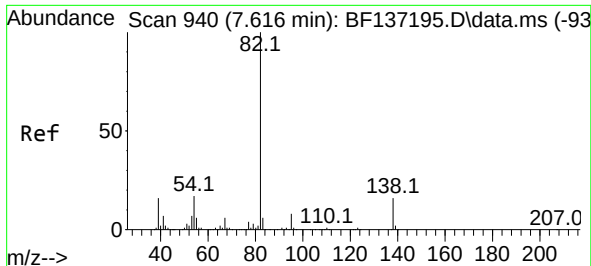
Ion Ratio Lower Upper

82 100

128 37.3 29.1 43.7

54 53.3 45.0 67.6

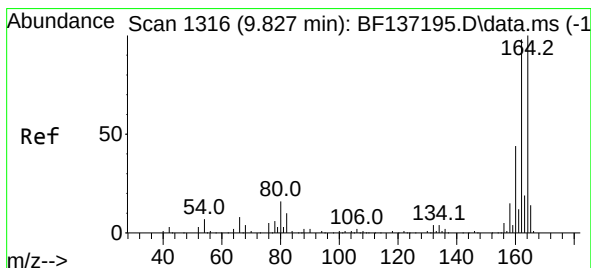
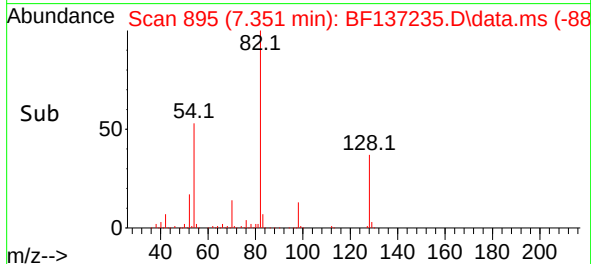
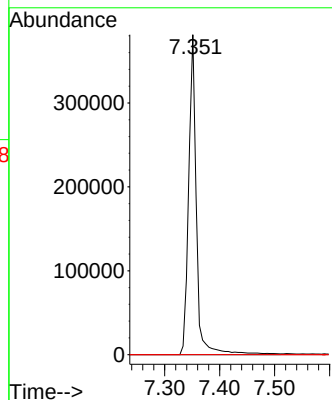
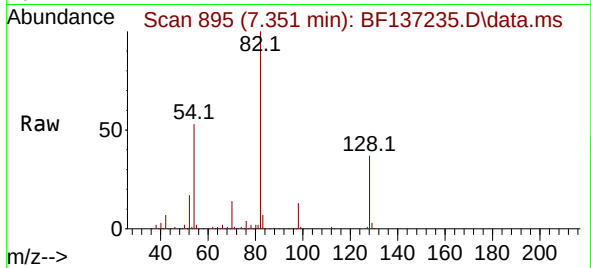




#25
Isophorone
Concen: 41.492 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.265 min
Lab File: BF137235.D
Acq: 01 Feb 2024 16:53

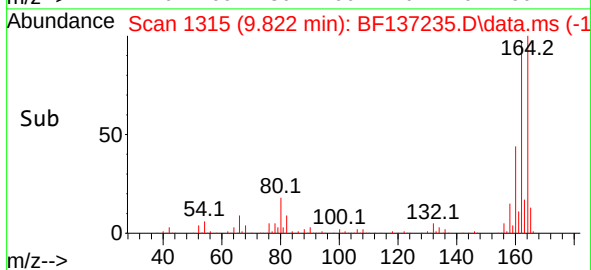
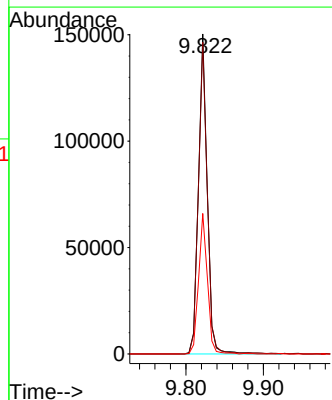
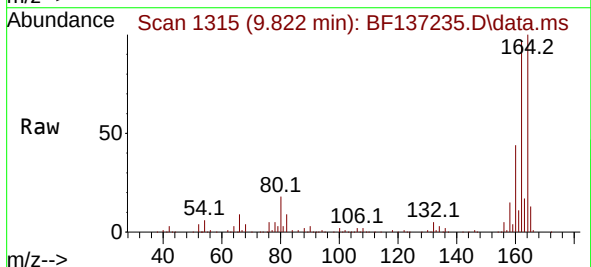
Instrument :
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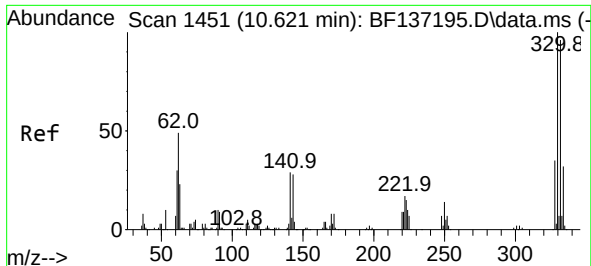
Tgt Ion: 82 Resp: 374581
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 12.7 19.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137235.D
Acq: 01 Feb 2024 16:53

Tgt Ion: 164 Resp: 118481
Ion Ratio Lower Upper
164 100
162 97.4 78.3 117.5
160 43.9 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 101.510 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF137235.D

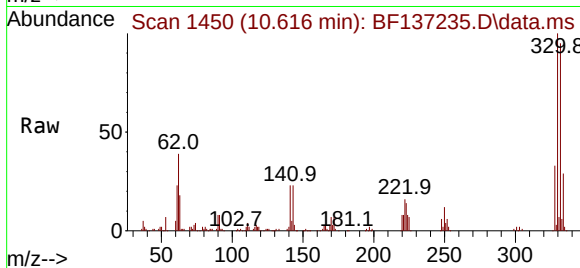
Acq: 01 Feb 2024 16:53

Instrument :

BNA_F

ClientSampleId :

TR-614-COMP-03



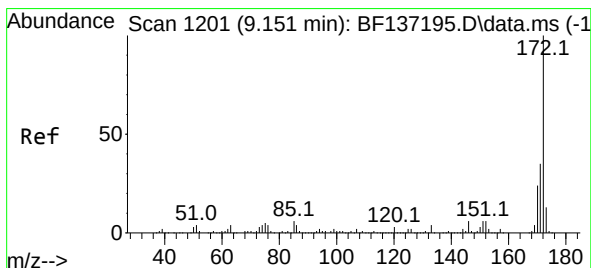
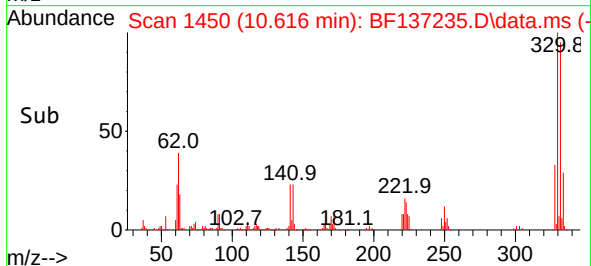
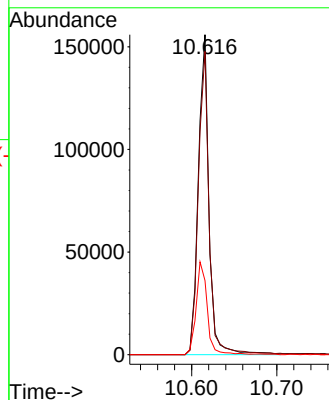
Tgt Ion:330 Resp: 135828

Ion Ratio Lower Upper

330 100

332 96.4 77.3 115.9

141 30.1 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 71.511 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF137235.D

Acq: 01 Feb 2024 16:53

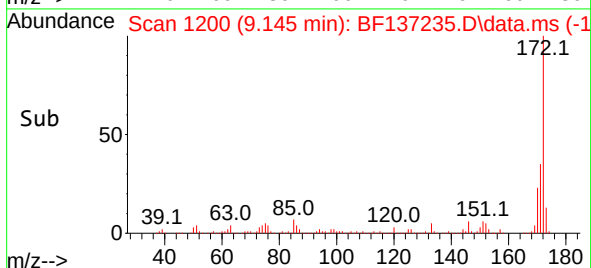
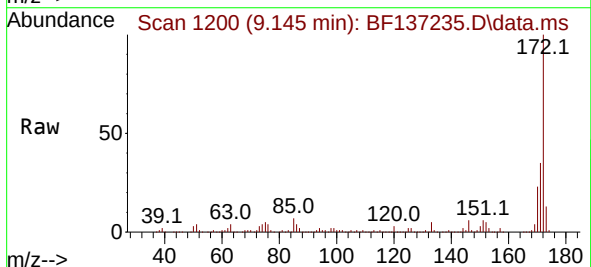
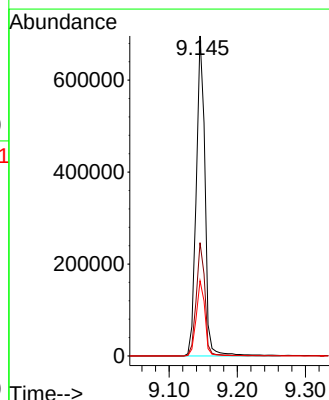
Tgt Ion:172 Resp: 616344

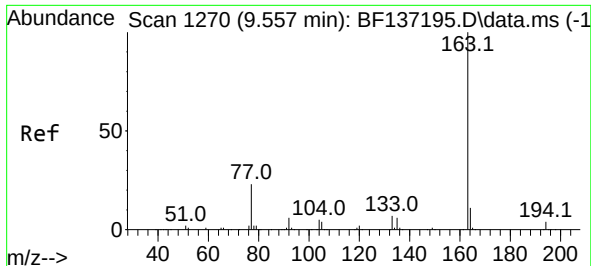
Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.5 19.1 28.7

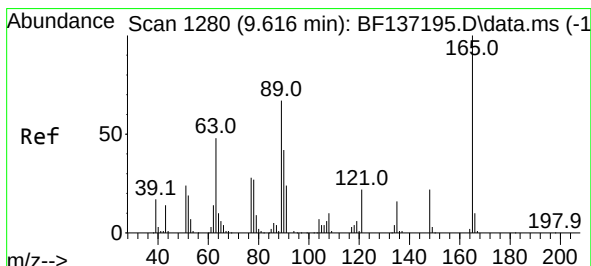
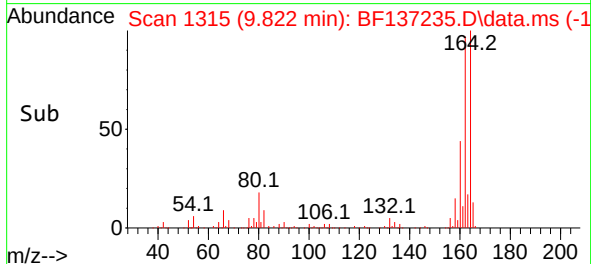
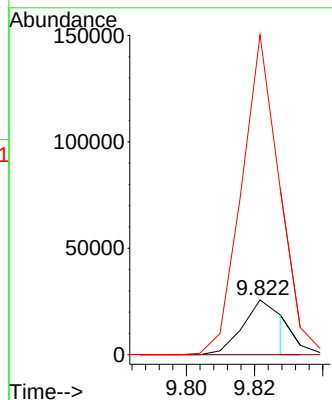
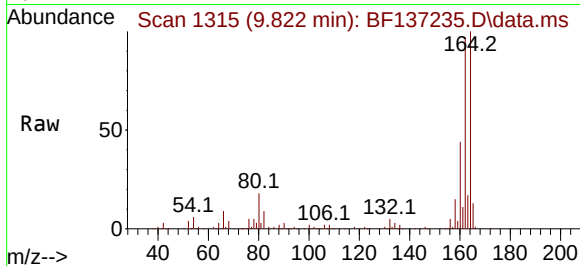




#50
Dimethylphthalate
Concen: 2.545 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF137235.D
Acq: 01 Feb 2024 16:53

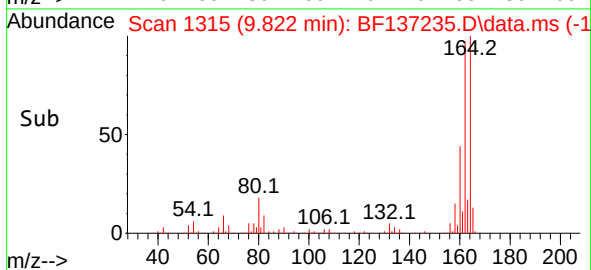
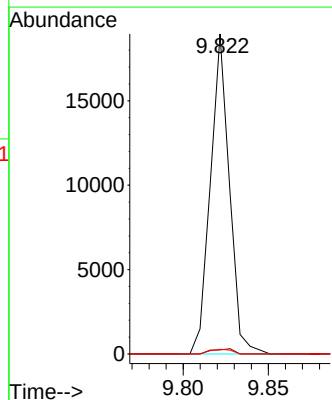
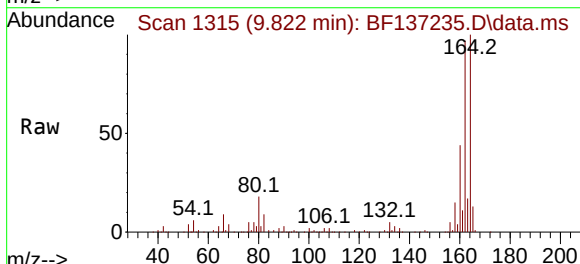
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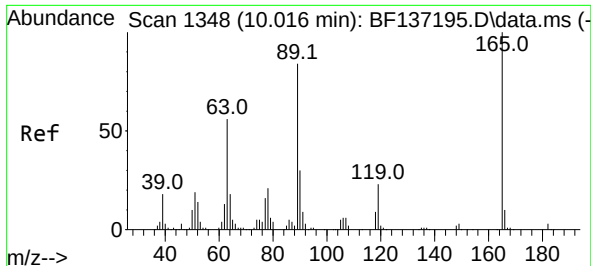
Tgt Ion:163 Resp: 20372
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 584.3 8.6 13.0#



#51
2,6-Dinitrotoluene
Concen: 8.604 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF137235.D
Acq: 01 Feb 2024 16:53

Tgt Ion:165 Resp: 14685
Ion Ratio Lower Upper
165 100
63 1.2 55.1 82.7#
89 1.4 53.5 80.3#

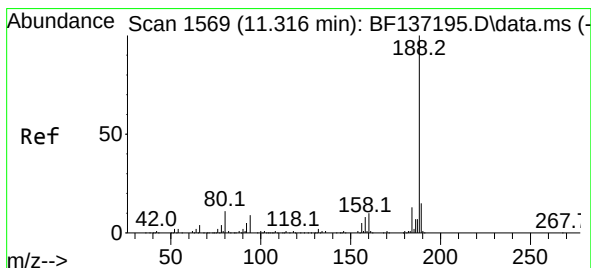
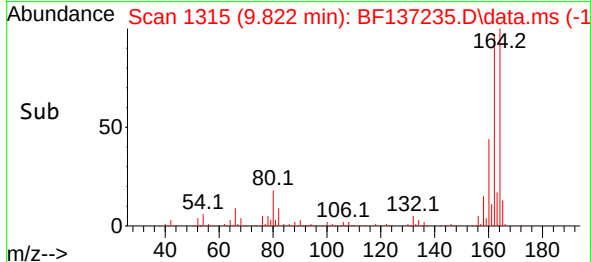
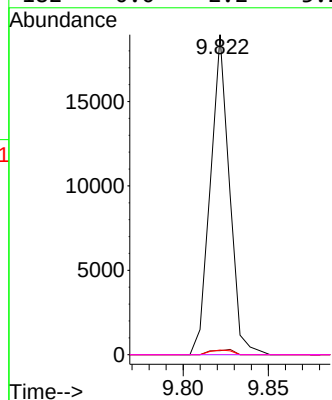
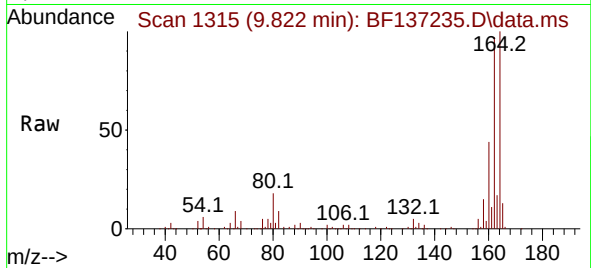




#57
2,4-Dinitrotoluene
Concen: 6.631 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF137235.D
Acq: 01 Feb 2024 16:53

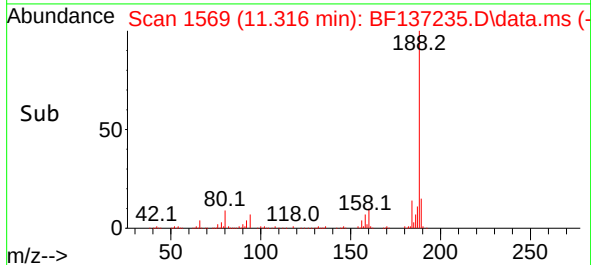
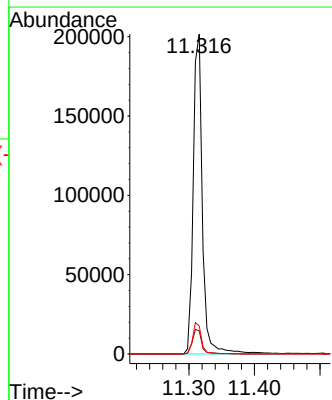
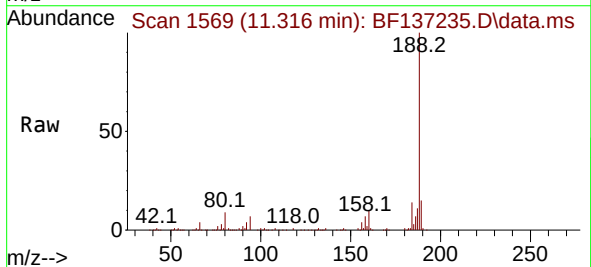
Instrument :
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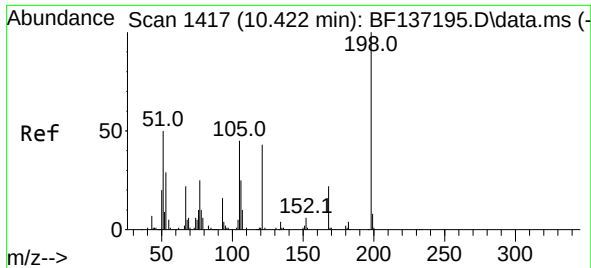
Tgt Ion:165 Resp: 14685
Ion Ratio Lower Upper
165 100
63 1.2 46.1 69.1#
89 1.4 67.5 101.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF137235.D
Acq: 01 Feb 2024 16:53

Tgt Ion:188 Resp: 196116
Ion Ratio Lower Upper
188 100
94 7.3 7.0 10.4
80 8.8 8.8 13.2#

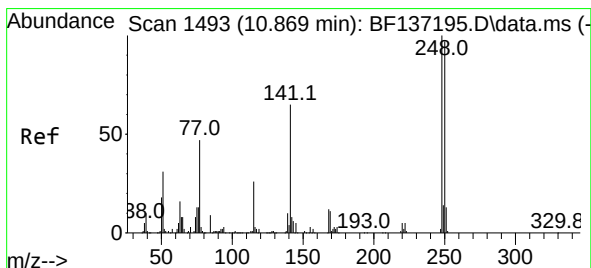
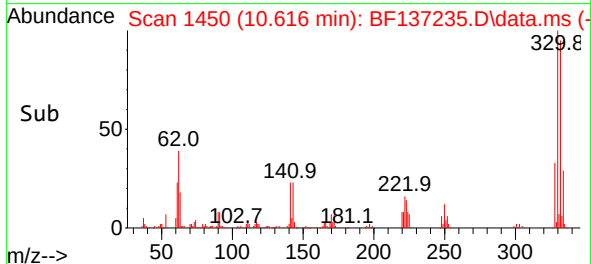
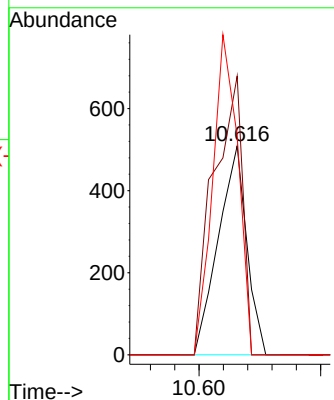
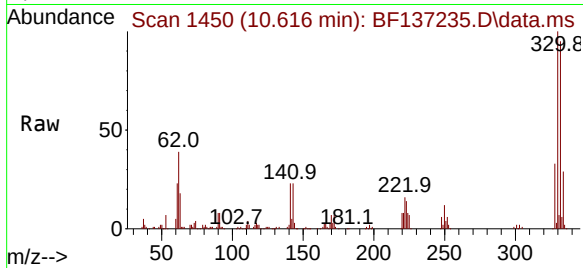




#65
4,6-Dinitro-2-methylphenol
Concen: 5.807 ng
RT: 10.616 min Scan# 1417
Delta R.T. 0.194 min
Lab File: BF137235.D
Acq: 01 Feb 2024 16:53

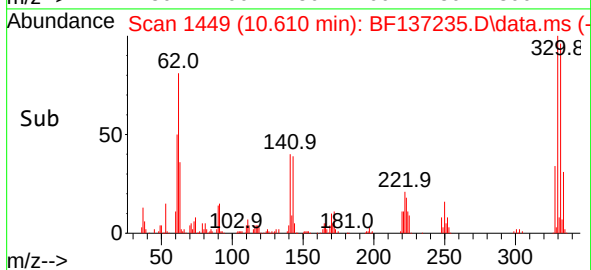
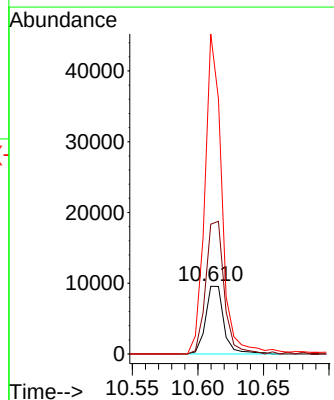
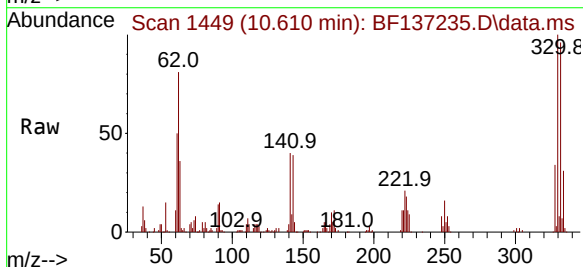
Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-03

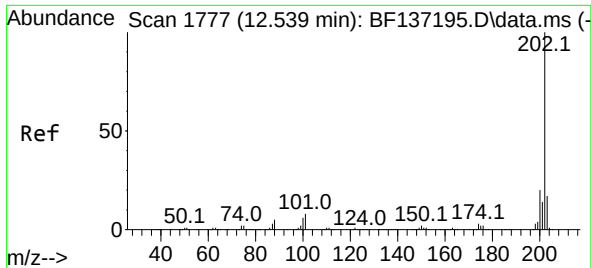
Tgt Ion:198 Resp: 413
Ion Ratio Lower Upper
198 100
51 133.4 40.9 80.9#
105 104.7 26.5 66.5#



#67
4-Bromophenyl-phenylether
Concen: 4.305 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.259 min
Lab File: BF137235.D
Acq: 01 Feb 2024 16:53

Tgt Ion:248 Resp: 9283
Ion Ratio Lower Upper
248 100
250 191.6 77.7 116.5#
141 472.7 51.6 77.4#

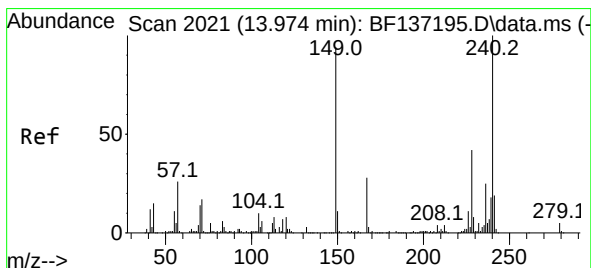
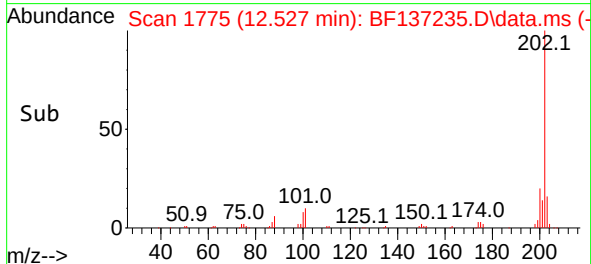
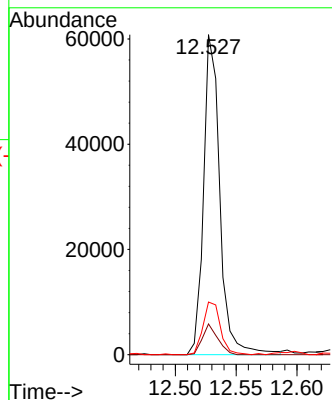
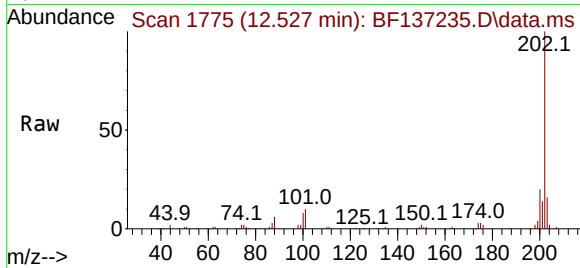




#75
Fluoranthene
Concen: 5.262 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137235.D
Acq: 01 Feb 2024 16:53

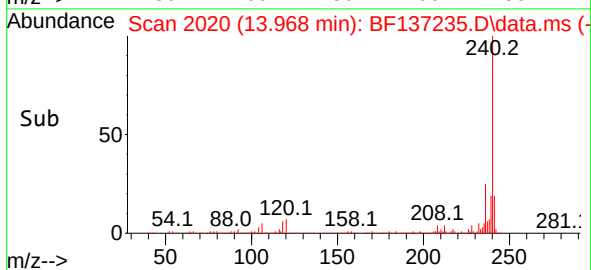
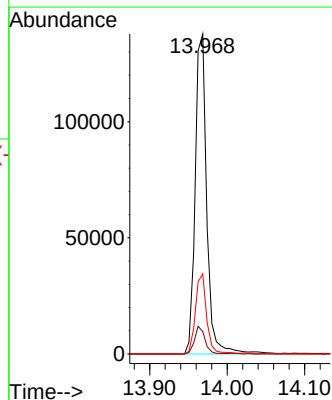
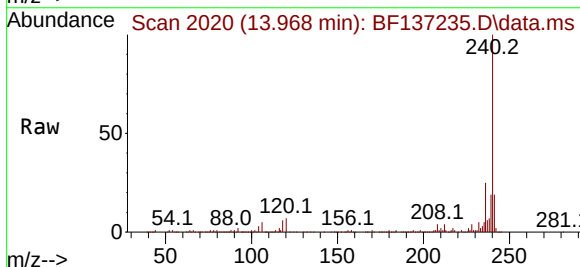
Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-03

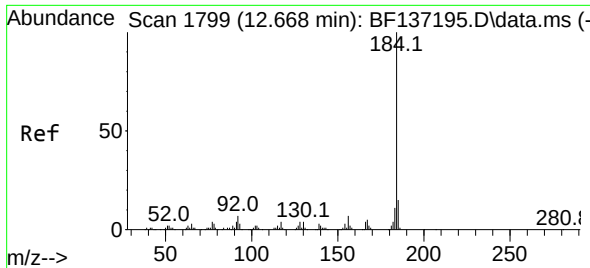
Tgt Ion:202 Resp: 56537
Ion Ratio Lower Upper
202 100
101 9.6 0.0 28.4
203 16.5 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF137235.D
Acq: 01 Feb 2024 16:53

Tgt Ion:240 Resp: 143091
Ion Ratio Lower Upper
240 100
120 7.0 6.3 9.5
236 25.0 20.3 30.5

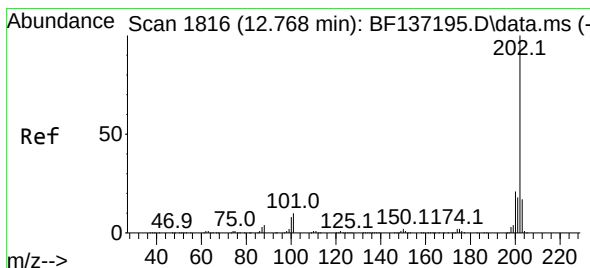
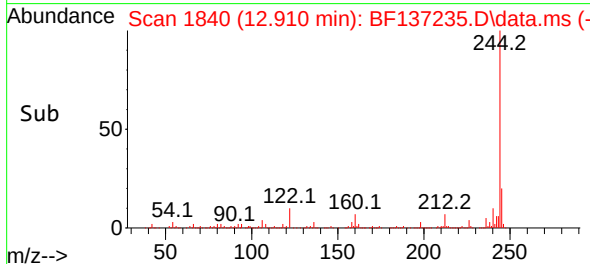
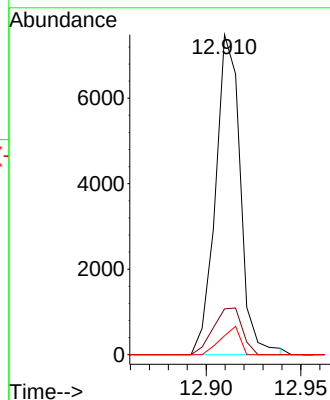
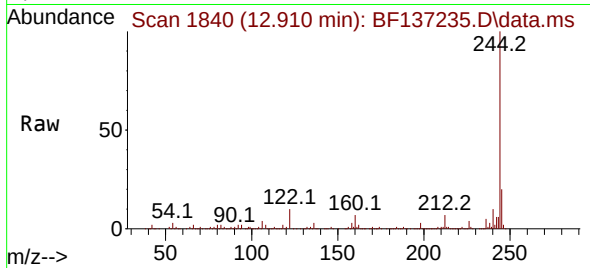




#77
Benzidine
Concen: 2.661 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.242 min
Lab File: BF137235.D
Acq: 01 Feb 2024 16:53

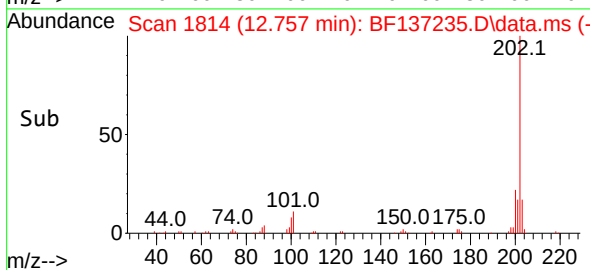
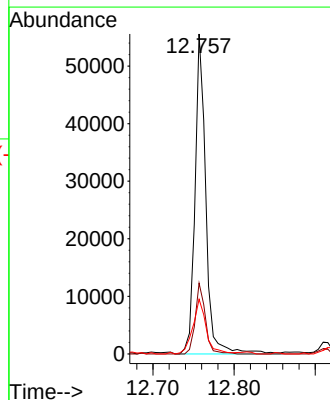
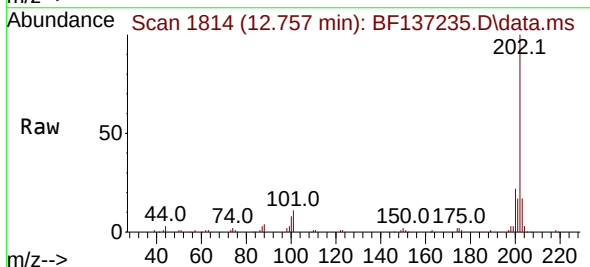
Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-03

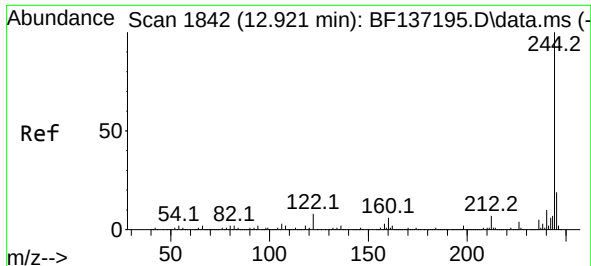
Tgt Ion:184 Resp: 6817
Ion Ratio Lower Upper
184 100
185 14.3 11.9 17.9
183 5.9 8.8 13.2#



#78
Pyrene
Concen: 3.775 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF137235.D
Acq: 01 Feb 2024 16:53

Tgt Ion:202 Resp: 51906
Ion Ratio Lower Upper
202 100
200 22.2 16.5 24.7
203 17.1 13.8 20.6

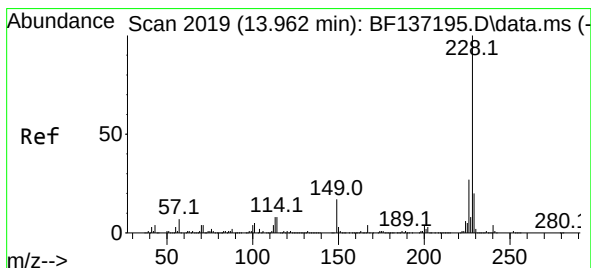
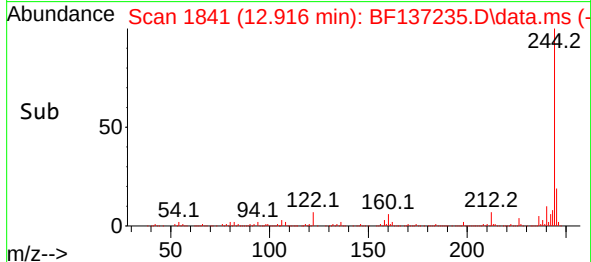
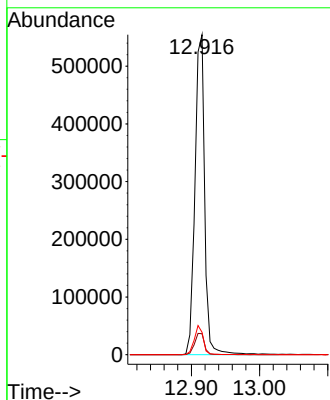
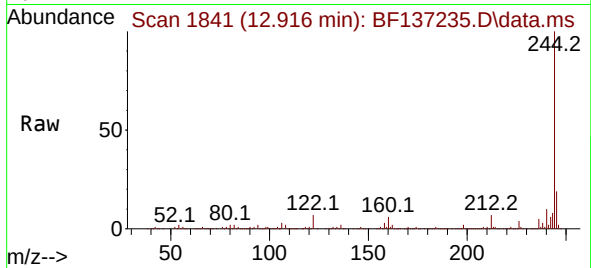




#79
 Terphenyl-d14
 Concen: 52.068 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF137235.D
 Acq: 01 Feb 2024 16:53

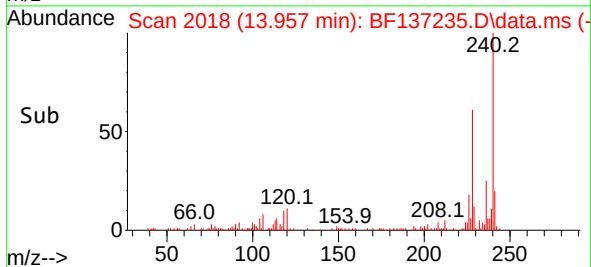
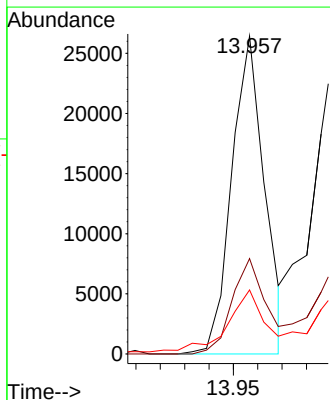
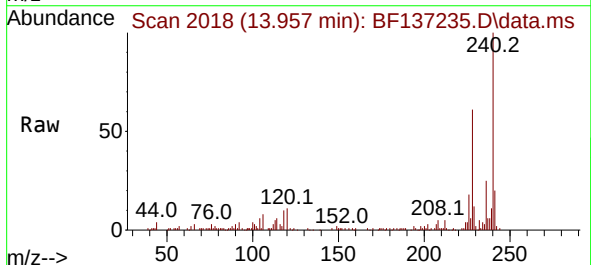
Instrument :
 BNA_F
 ClientSampleId :
 TR-614-COMP-03

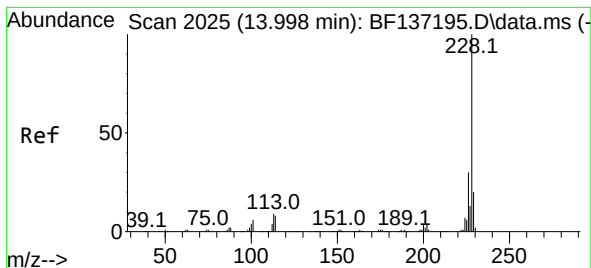
Tgt Ion:244 Resp: 548047
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.5 8.3
 122 7.0 6.2 9.4



#81
 Benzo(a)anthracene
 Concen: 2.449 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF137235.D
 Acq: 01 Feb 2024 16:53

Tgt Ion:228 Resp: 24817
 Ion Ratio Lower Upper
 228 100
 226 30.0 21.6 32.4
 229 20.1 15.8 23.6





#83

Chrysene

Concen: 2.737 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF137235.D

Acq: 01 Feb 2024 16:53

Instrument :

BNA_F

ClientSampleId :

TR-614-COMP-03

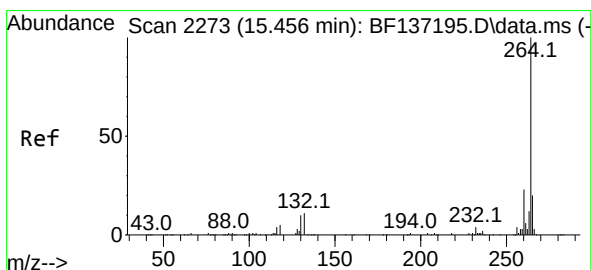
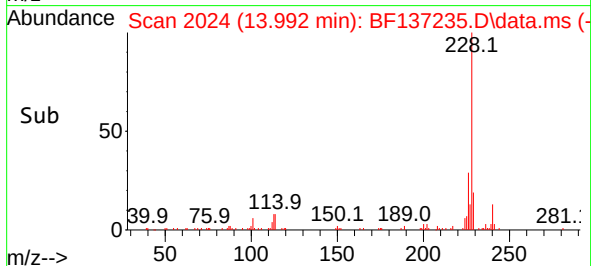
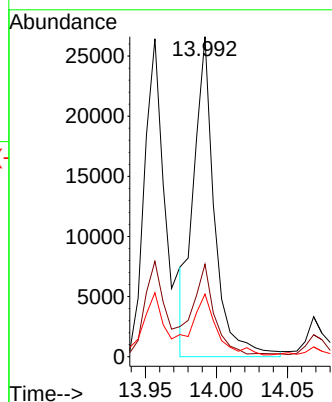
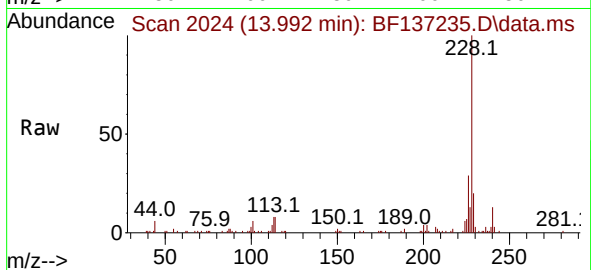
Tgt Ion:228 Resp: 27265

Ion Ratio Lower Upper

228 100

226 28.9 23.7 35.5

229 19.5 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: BF137235.D

Acq: 01 Feb 2024 16:53

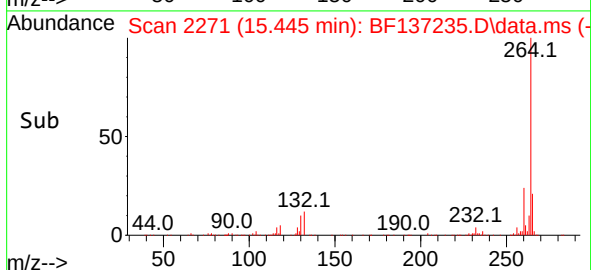
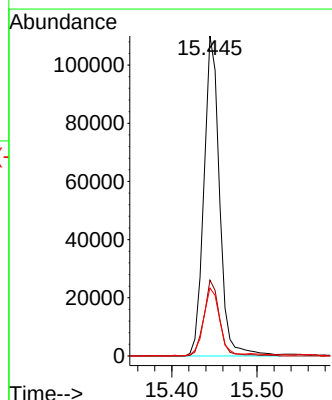
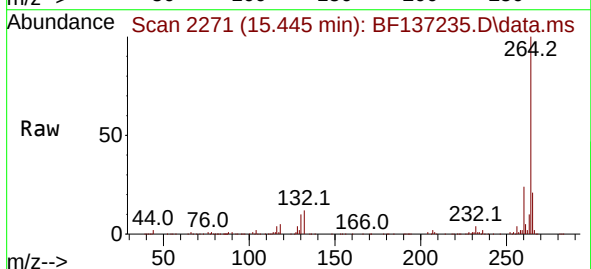
Tgt Ion:264 Resp: 140604

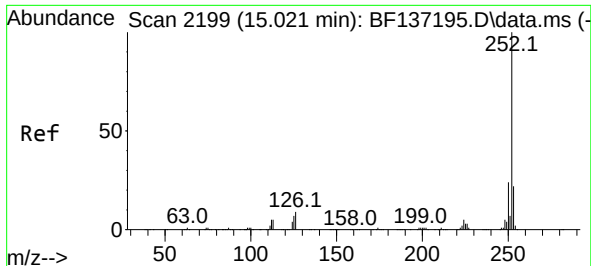
Ion Ratio Lower Upper

264 100

260 23.7 18.2 27.4

265 21.2 16.2 24.2

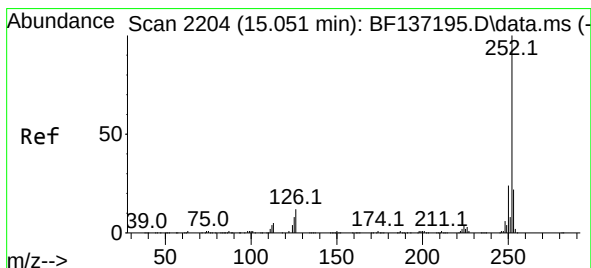
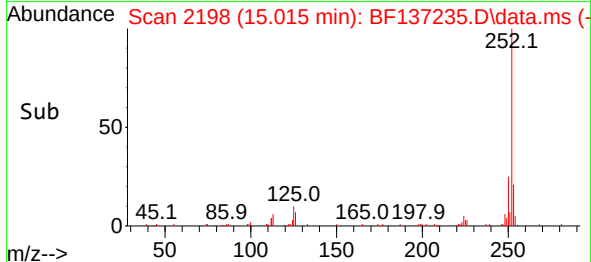
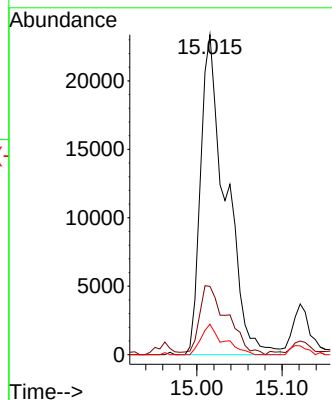
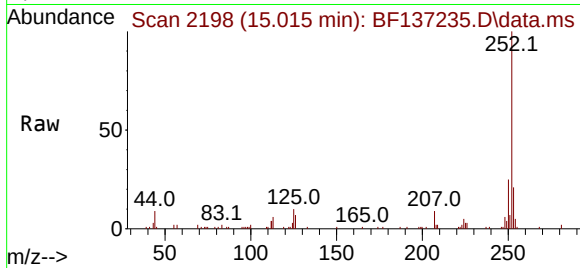




#88
Benzo(b)fluoranthene
Concen: 5.563 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF137235.D
Acq: 01 Feb 2024 16:53

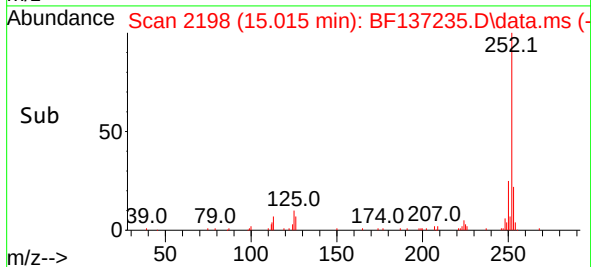
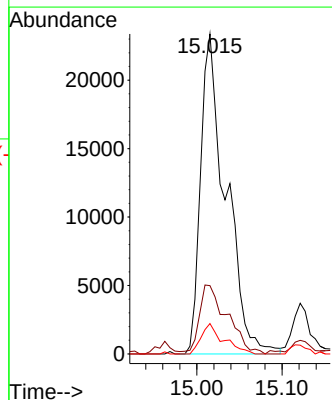
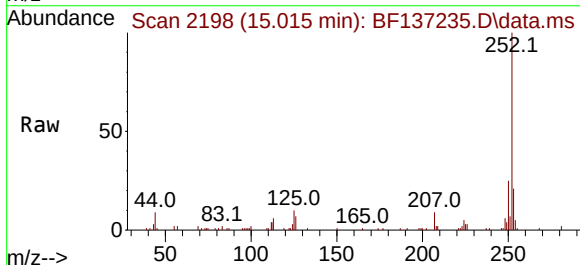
Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-03

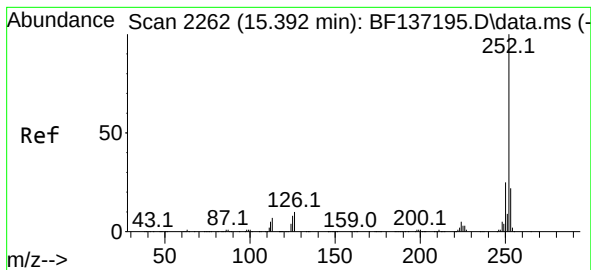
Tgt Ion:252 Resp: 48101
Ion Ratio Lower Upper
252 100
253 21.4 17.9 26.9
125 9.5 5.4 8.2#



#89
Benzo(k)fluoranthene
Concen: 5.258 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF137235.D
Acq: 01 Feb 2024 16:53

Tgt Ion:252 Resp: 48101
Ion Ratio Lower Upper
252 100
253 21.4 17.0 25.6
125 9.5 5.9 8.9#





#90

Benzo(a)pyrene

Concen: 2.756 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF137235.D

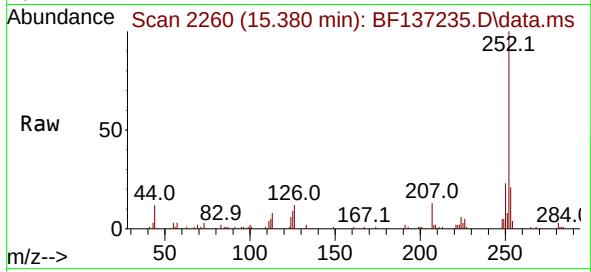
Acq: 01 Feb 2024 16:53

Instrument :

BNA_F

ClientSampleId :

TR-614-COMP-03



Tgt Ion:252 Resp: 22423

Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.6

125 9.2 6.5 9.7

