

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020124\
 Data File : BF137245.D
 Acq On : 01 Feb 2024 21:53
 Operator : CG\JU
 Sample : P1307-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-614-COMP-02

Quant Time: Feb 02 01:19:05 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)

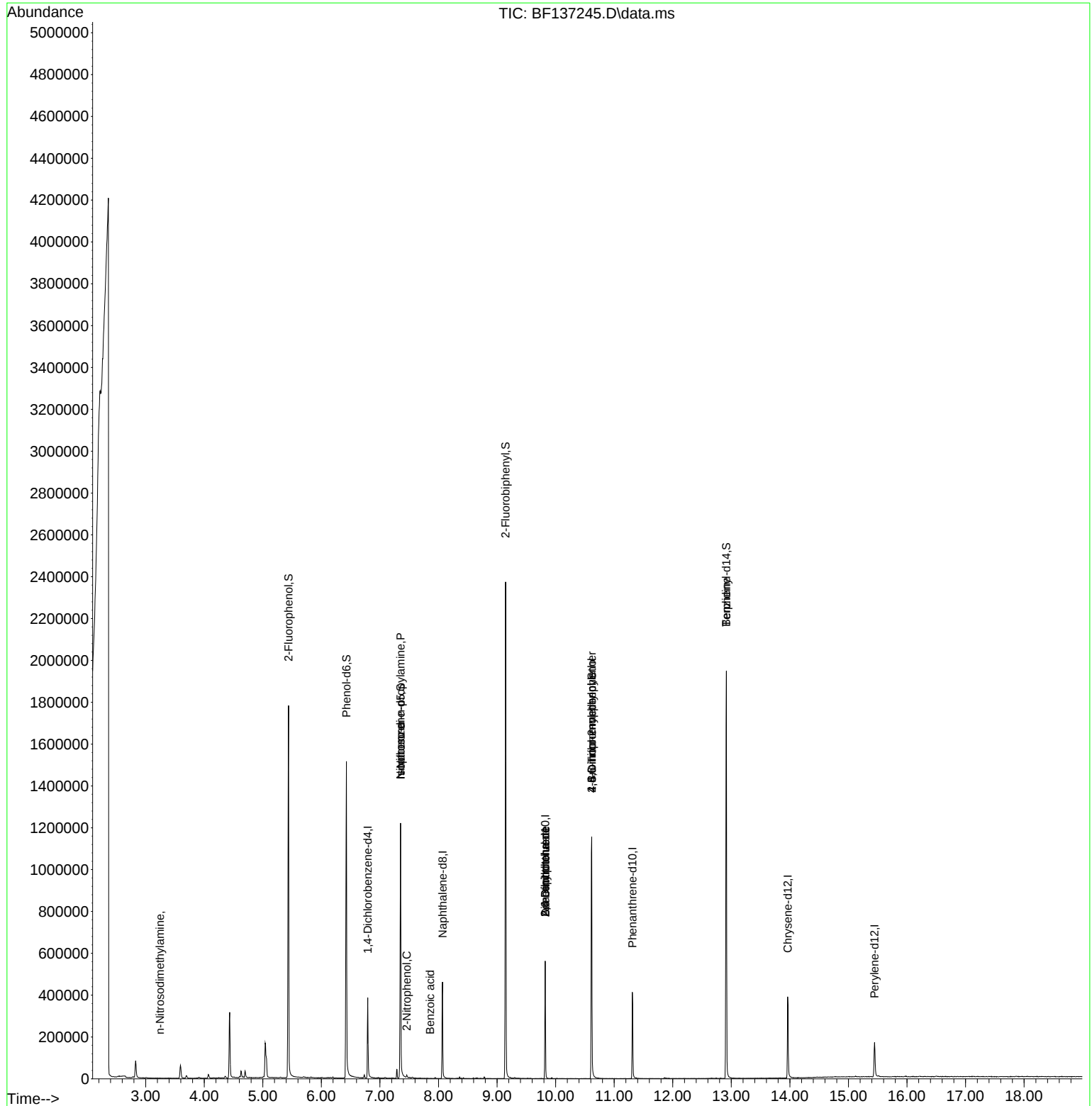
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	51907	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	198164	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	99660	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	170583	20.000	ng	0.00
76) Chrysene-d12	13.963	240	147517	20.000	ng	-0.01
86) Perylene-d12	15.445	264	83212	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	458486	145.749	ng	0.02
7) Phenol-d6	6.428	99	521723	116.216	ng	0.00
23) Nitrobenzene-d5	7.351	82	413605	93.447	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	154154	136.963	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	713696	98.444	ng	0.00
79) Terphenyl-d14	12.916	244	729453	67.223	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.246	42	433	6.280	ng	# 1
19) n-Nitroso-di-n-propyla...	7.351	70	55427	18.007	ng	# 76
25) Isophorone	7.351	82	413601	50.626	ng	# 68
26) 2-Nitrophenol	7.457	139	100	2.507	ng	# 28
32) Benzoic acid	7.857	122	154	8.396	ng	# 1
50) Dimethylphthalate	9.822	163	19658	2.920	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	12953	9.022	ng	# 17
57) 2,4-Dinitrotoluene	9.822	165	12953	6.953	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.616	198	361	5.809	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	10306	5.495	ng	# 1
77) Benzidine	12.916	184	8662	3.279	ng	# 92

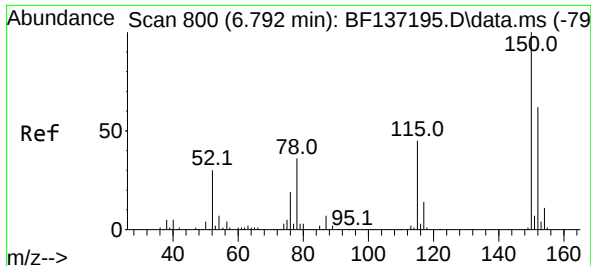
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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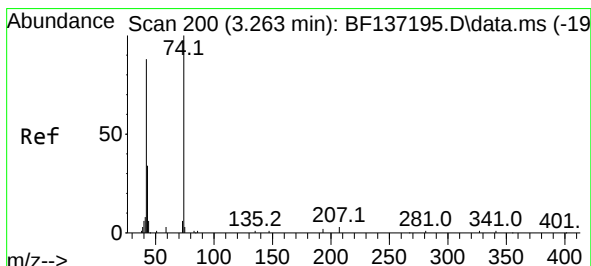
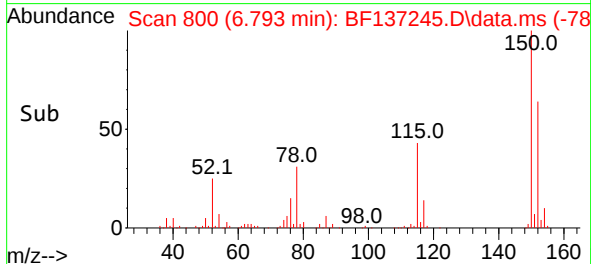
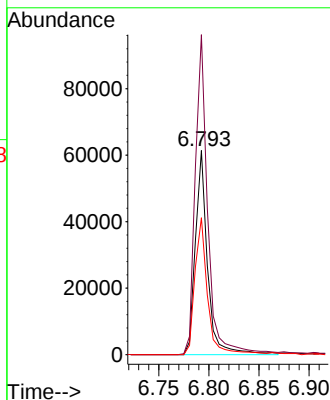
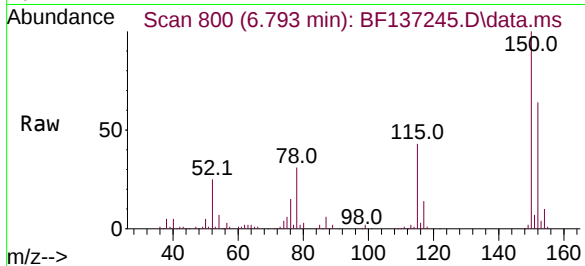




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 80
Delta R.T. 0.001 min
Lab File: BF137245.D
Acq: 01 Feb 2024 21:53

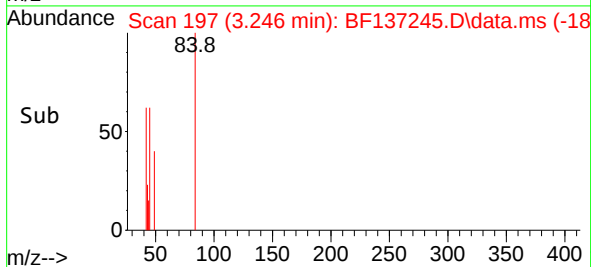
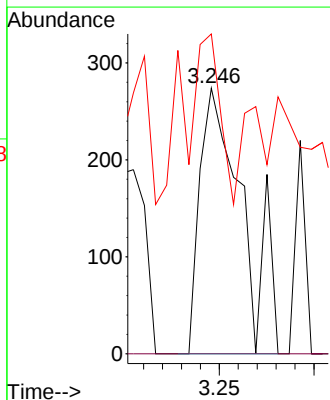
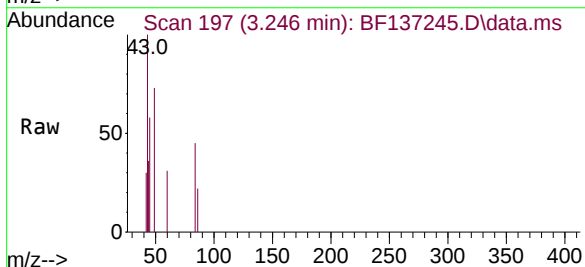
Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-02

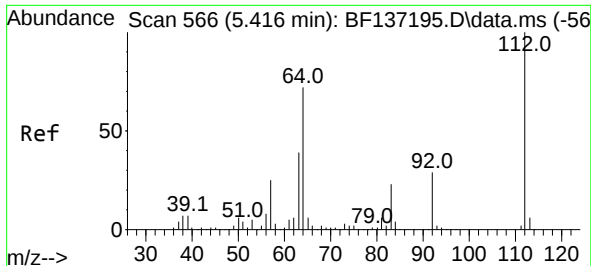
Tgt Ion:152 Resp: 51907
Ion Ratio Lower Upper
152 100
150 156.8 129.8 194.8
115 67.1 58.5 87.7



#4
n-Nitrosodimethylamine
Concen: 6.280 ng
RT: 3.246 min Scan# 197
Delta R.T. -0.017 min
Lab File: BF137245.D
Acq: 01 Feb 2024 21:53

Tgt Ion: 42 Resp: 433
Ion Ratio Lower Upper
42 100
74 0.0 90.5 135.7#
44 120.4 6.1 9.1#

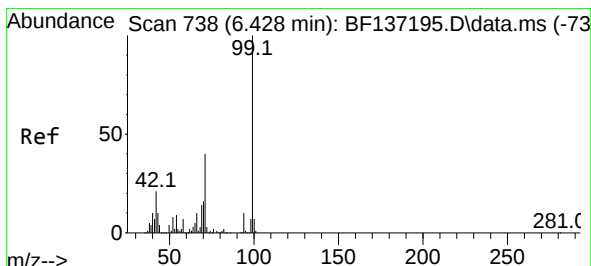
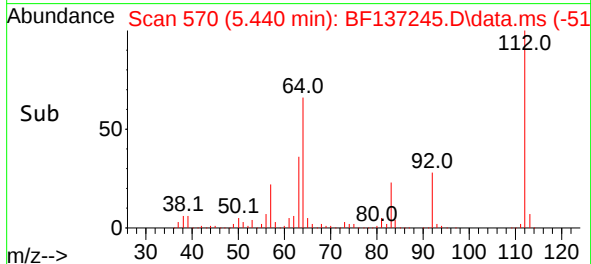
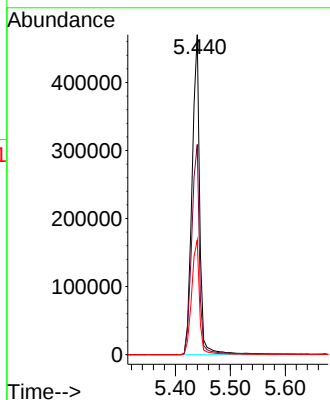
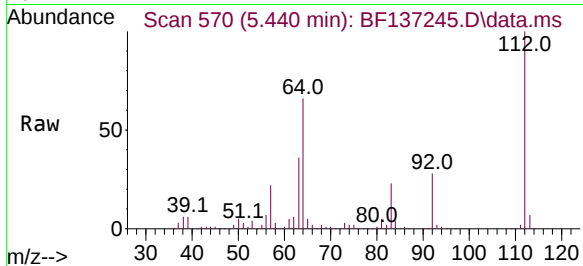




#5
2-Fluorophenol
Concen: 145.749 ng
RT: 5.440 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF137245.D
Acq: 01 Feb 2024 21:53

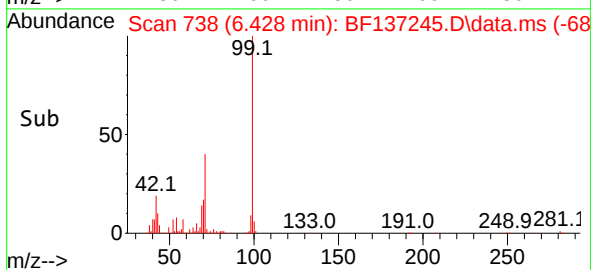
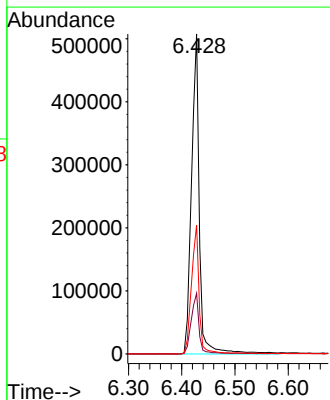
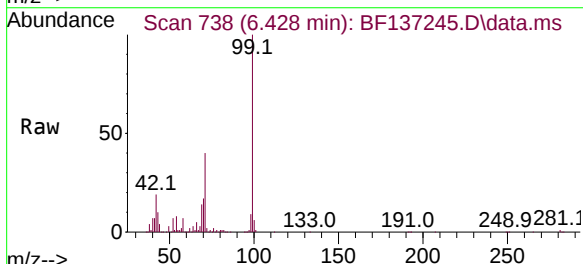
Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-02

Tgt Ion:112 Resp: 458486
Ion Ratio Lower Upper
112 100
64 65.7 57.8 86.6
63 35.8 31.4 47.0



#7
Phenol-d6
Concen: 116.216 ng
RT: 6.428 min Scan# 738
Delta R.T. 0.000 min
Lab File: BF137245.D
Acq: 01 Feb 2024 21:53

Tgt Ion: 99 Resp: 521723
Ion Ratio Lower Upper
99 100
42 18.9 16.4 24.6
71 40.3 32.4 48.6

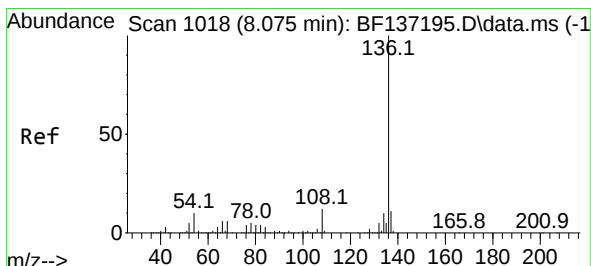
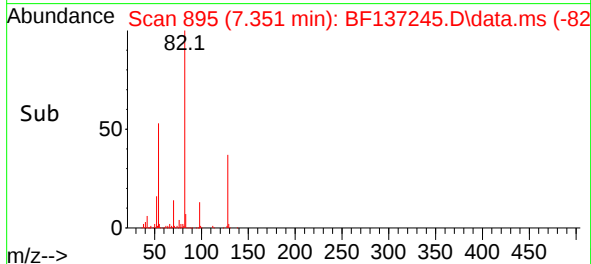
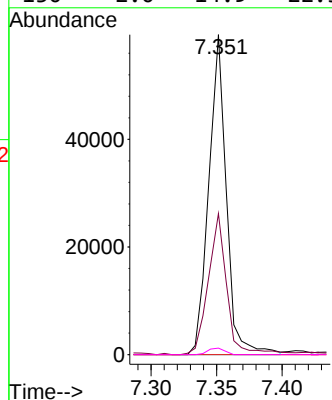
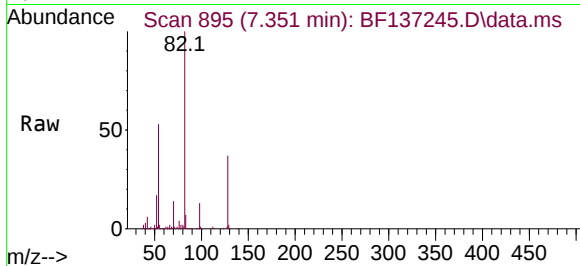




#19
n-Nitroso-di-n-propylamine
Concen: 18.007 ng
RT: 7.351 min Scan# 89
Delta R.T. 0.141 min
Lab File: BF137245.D
Acq: 01 Feb 2024 21:53

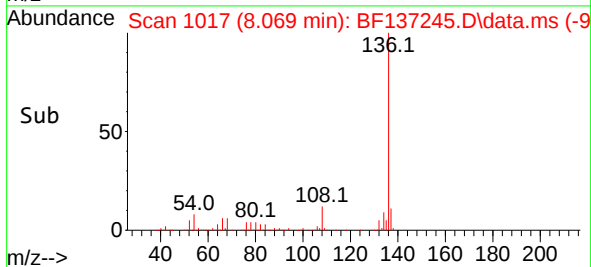
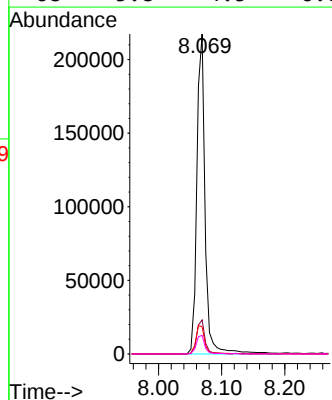
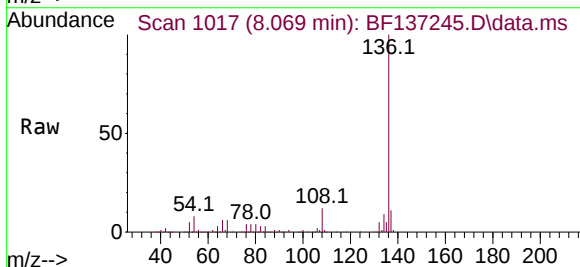
Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-02

Tgt Ion:	70	Resp:	55427
Ion	Ratio	Lower	Upper
70	100		
42	44.1	47.2	70.8#
101	0.0	7.4	11.0#
130	2.0	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: BF137245.D
Acq: 01 Feb 2024 21:53

Tgt Ion:	136	Resp:	198164
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	8.5	7.8	11.8
68	5.8	4.5	6.7

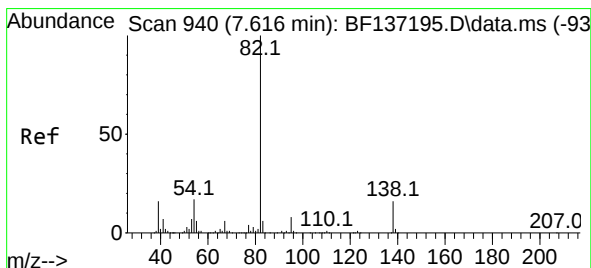
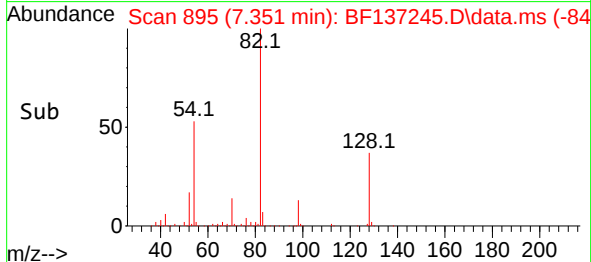
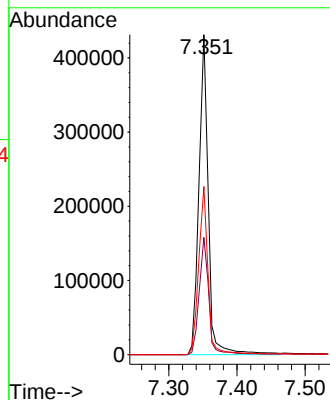
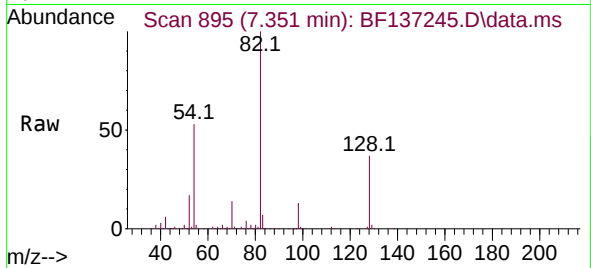




#23
Nitrobenzene-d5
Concen: 93.447 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF137245.D
Acq: 01 Feb 2024 21:53

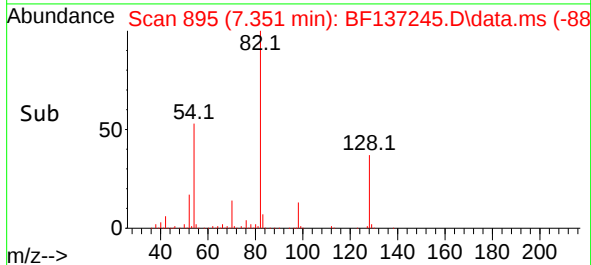
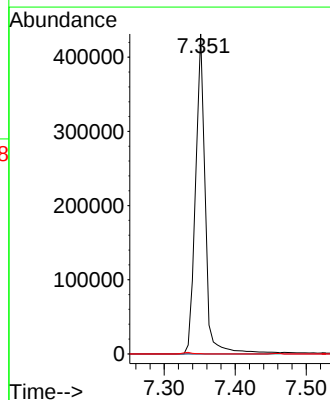
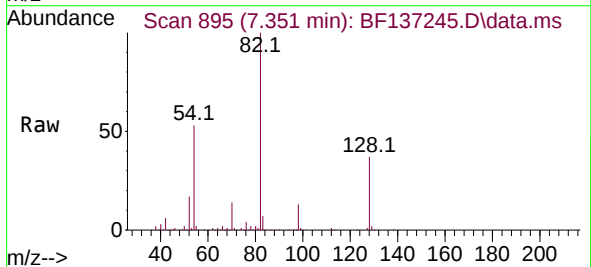
Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-02

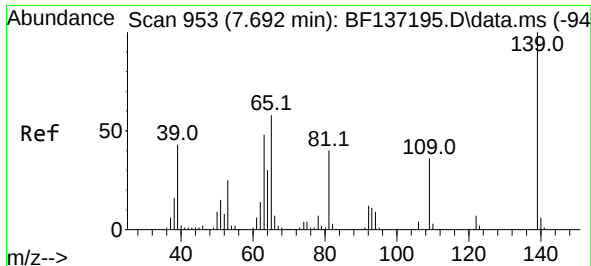
Tgt Ion: 82 Resp: 413605
Ion Ratio Lower Upper
82 100
128 36.6 29.1 43.7
54 52.6 45.0 67.6



#25
Isophorone
Concen: 50.626 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.264 min
Lab File: BF137245.D
Acq: 01 Feb 2024 21:53

Tgt Ion: 82 Resp: 413601
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.1 12.7 19.1#

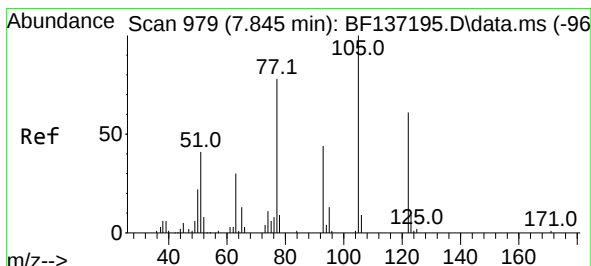
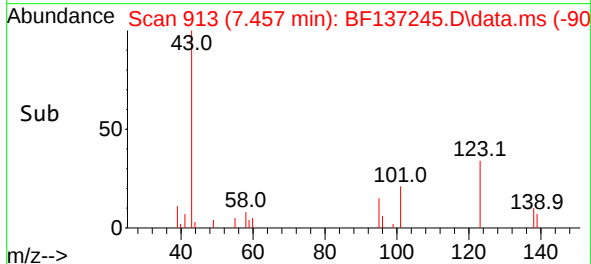
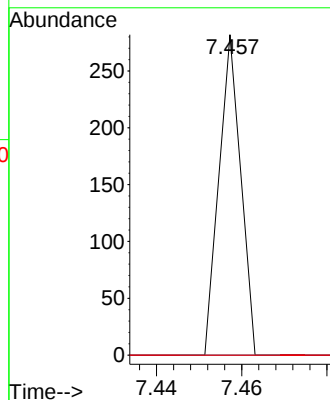
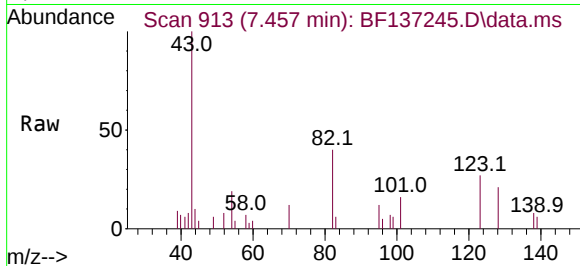




#26
2-Nitrophenol
Concen: 2.507 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.235 min
Lab File: BF137245.D
Acq: 01 Feb 2024 21:53

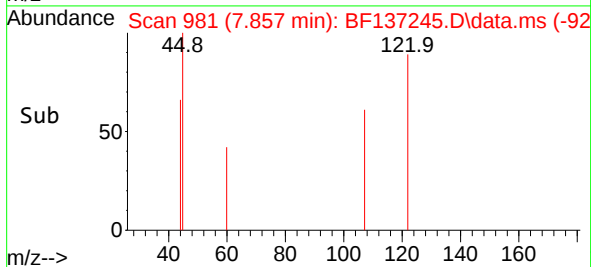
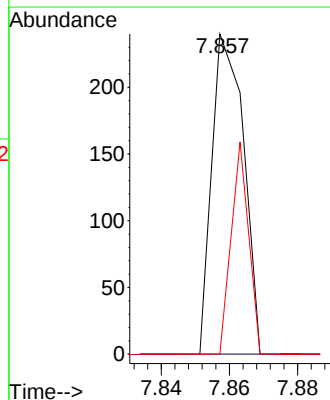
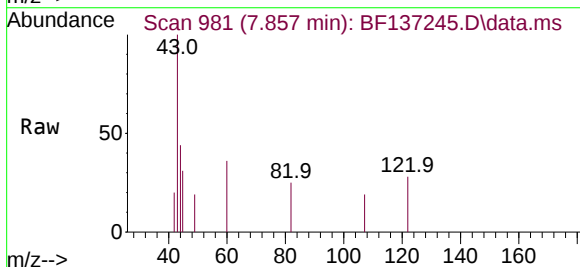
Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-02

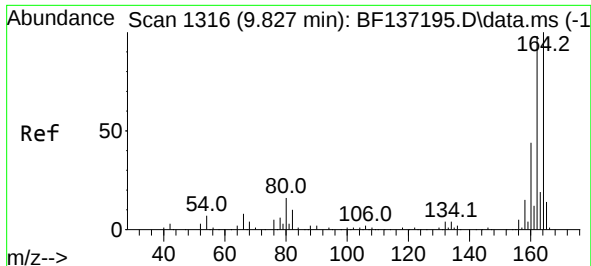
Tgt Ion:139 Resp: 100
Ion Ratio Lower Upper
139 100
109 0.0 28.5 42.7#
65 0.0 46.7 70.1#



#32
Benzoic acid
Concen: 8.396 ng
RT: 7.857 min Scan# 981
Delta R.T. 0.012 min
Lab File: BF137245.D
Acq: 01 Feb 2024 21:53

Tgt Ion:122 Resp: 154
Ion Ratio Lower Upper
122 100
105 0.0 122.5 162.5#
77 0.0 96.4 136.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1316

Delta R.T. -0.005 min

Lab File: BF137245.D

Acq: 01 Feb 2024 21:53

Instrument :

BNA_F

ClientSampleId :

TR-614-COMP-02

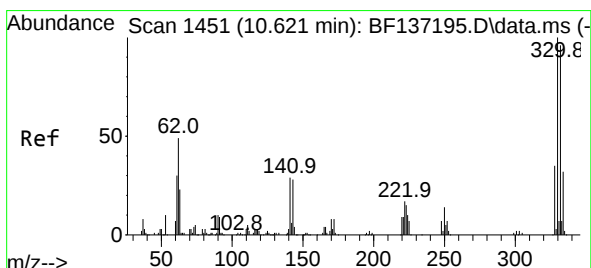
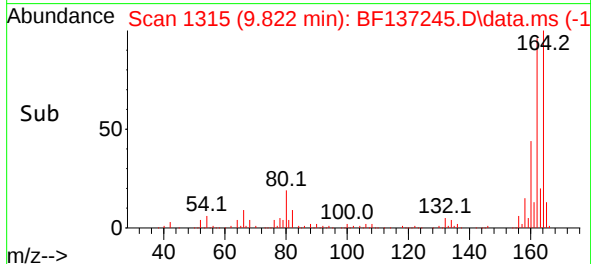
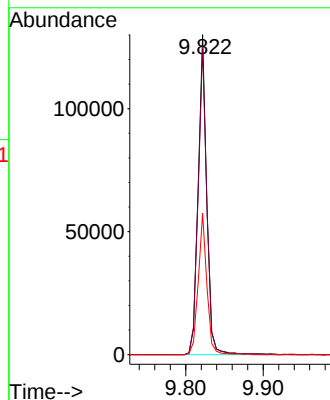
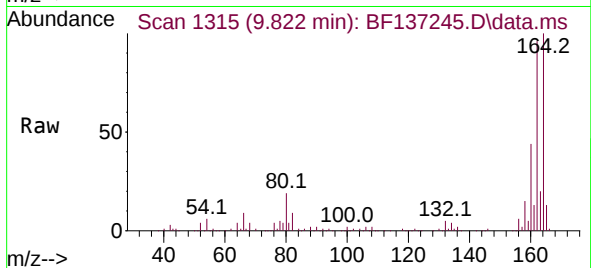
Tgt Ion:164 Resp: 99660

Ion Ratio Lower Upper

164 100

162 96.2 78.3 117.5

160 44.2 35.4 53.2



#42

2,4,6-Tribromophenol

Concen: 136.963 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF137245.D

Acq: 01 Feb 2024 21:53

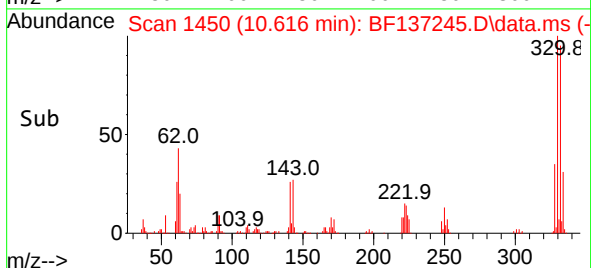
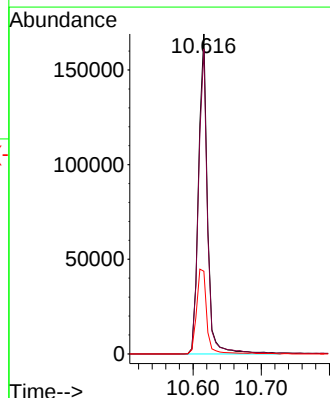
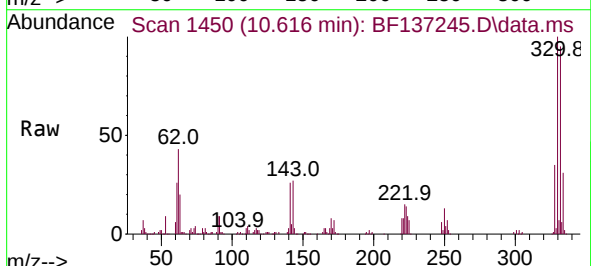
Tgt Ion:330 Resp: 154154

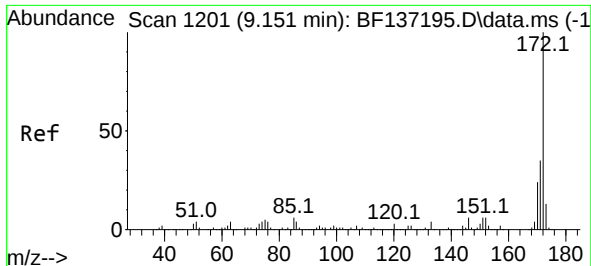
Ion Ratio Lower Upper

330 100

332 95.6 77.3 115.9

141 30.0 25.2 37.8

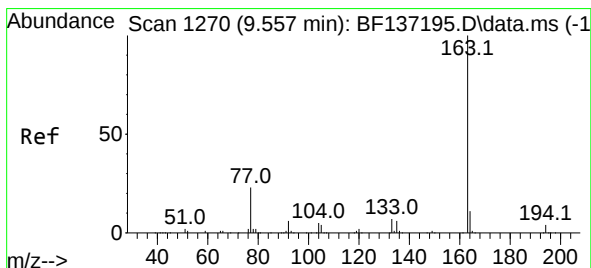
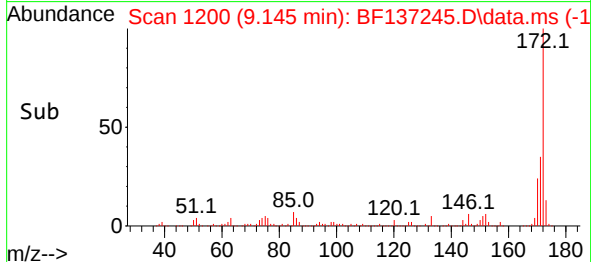
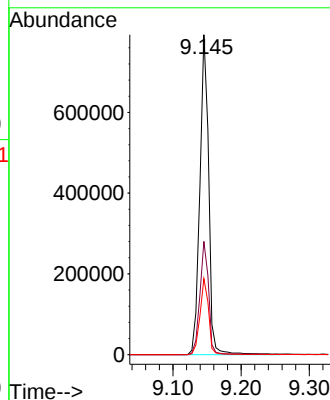
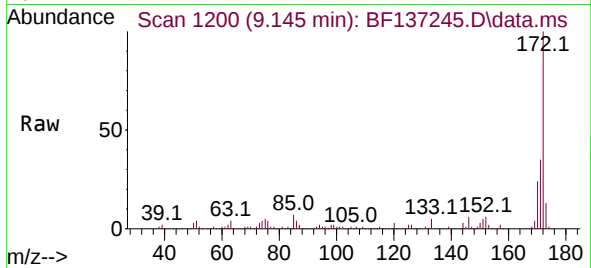




#45
2-Fluorobiphenyl
Concen: 98.444 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137245.D
Acq: 01 Feb 2024 21:53

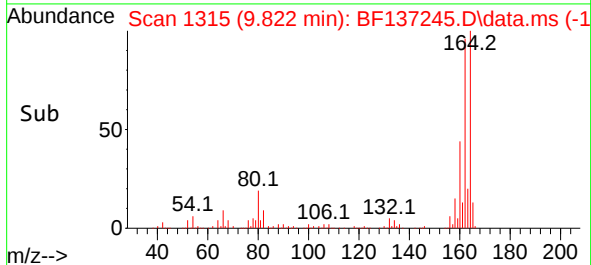
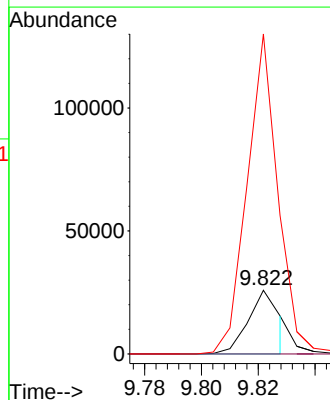
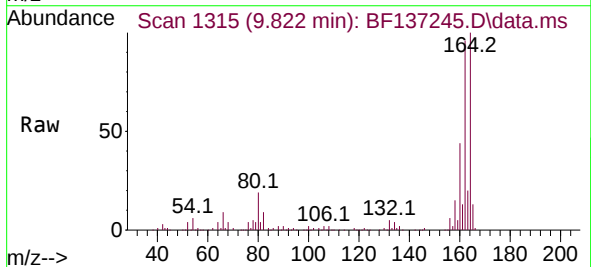
Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-02

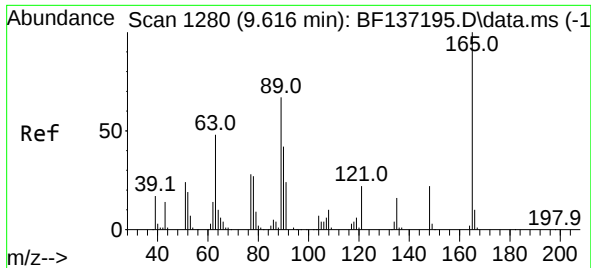
Tgt Ion:172 Resp: 713696
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.7 19.1 28.7



#50
Dimethylphthalate
Concen: 2.920 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF137245.D
Acq: 01 Feb 2024 21:53

Tgt Ion:163 Resp: 19658
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 502.9 8.6 13.0#





#51

2,6-Dinitrotoluene

Concen: 9.022 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.206 min

Lab File: BF137245.D

Acq: 01 Feb 2024 21:53

Instrument :

BNA_F

ClientSampleId :

TR-614-COMP-02

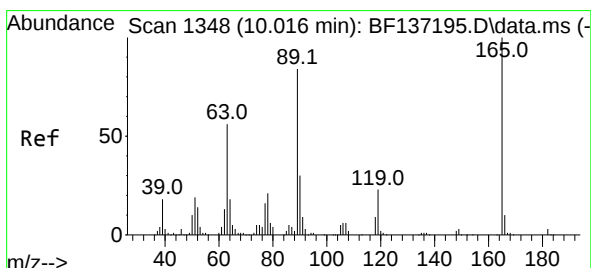
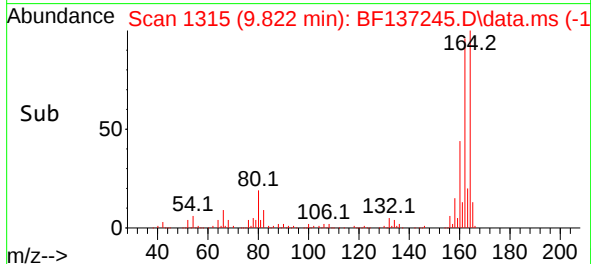
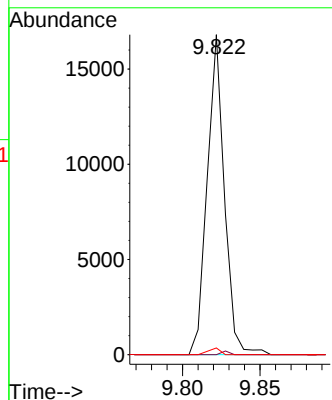
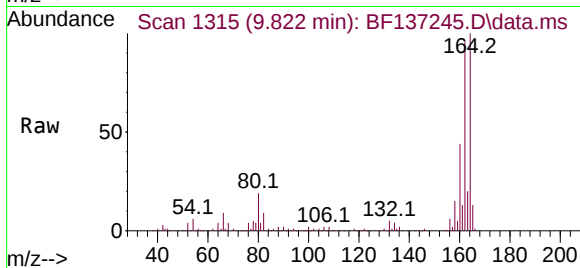
Tgt Ion:165 Resp: 12953

Ion Ratio Lower Upper

165 100

63 0.0 55.1 82.7#

89 2.1 53.5 80.3#



#57

2,4-Dinitrotoluene

Concen: 6.953 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.194 min

Lab File: BF137245.D

Acq: 01 Feb 2024 21:53

Tgt Ion:165 Resp: 12953

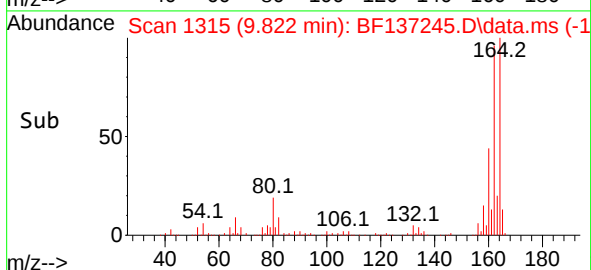
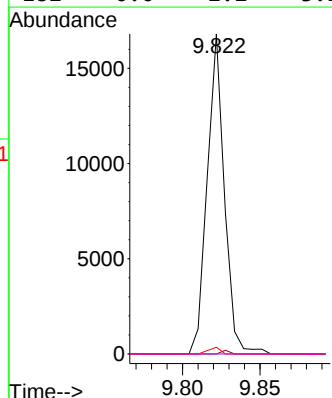
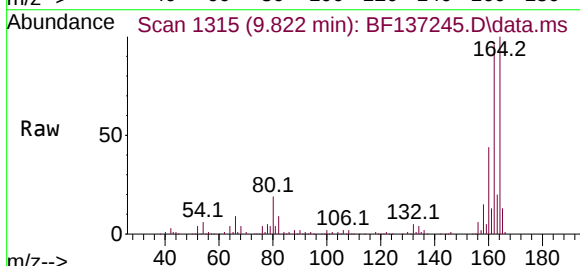
Ion Ratio Lower Upper

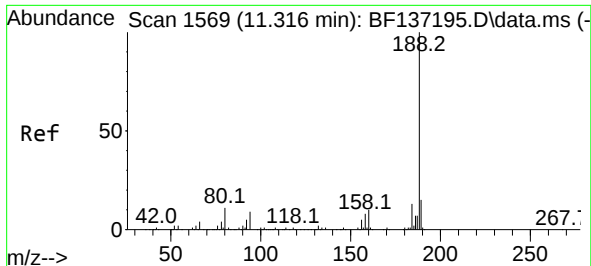
165 100

63 0.0 46.1 69.1#

89 2.1 67.5 101.3#

182 0.0 2.2 3.2#

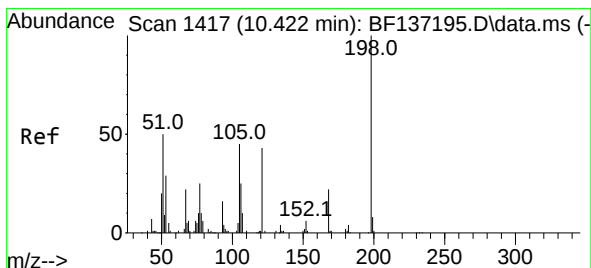
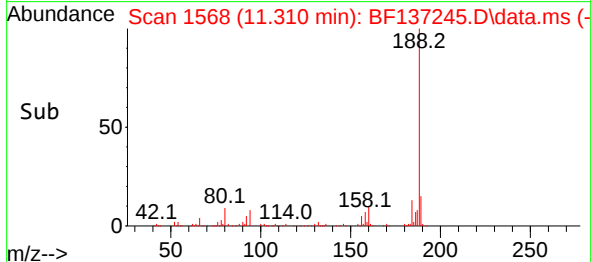
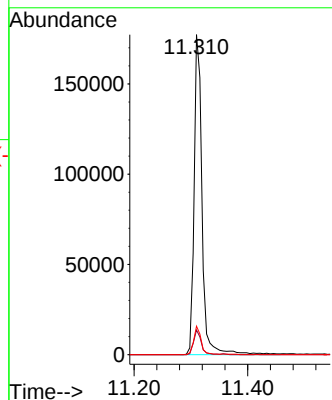
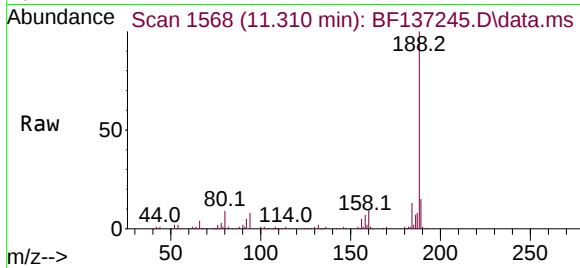




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137245.D
Acq: 01 Feb 2024 21:53

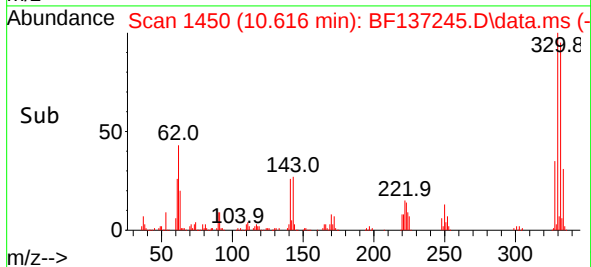
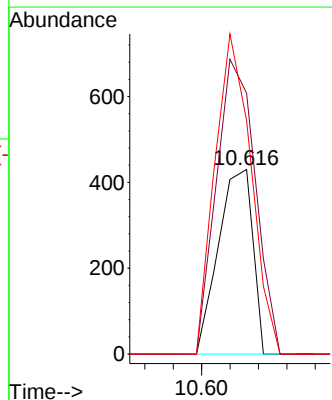
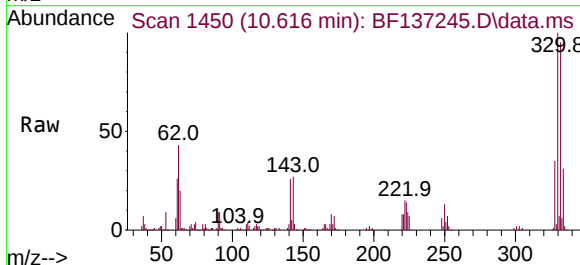
Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-02

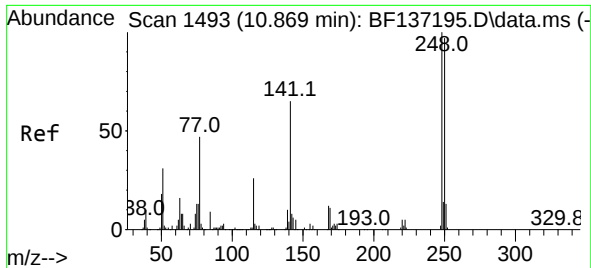
Tgt Ion:188 Resp: 170583
Ion Ratio Lower Upper
188 100
94 7.7 7.0 10.4
80 8.9 8.8 13.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.809 ng
RT: 10.616 min Scan# 1450
Delta R.T. 0.194 min
Lab File: BF137245.D
Acq: 01 Feb 2024 21:53

Tgt Ion:198 Resp: 361
Ion Ratio Lower Upper
198 100
51 141.4 40.9 80.9#
105 126.5 26.5 66.5#

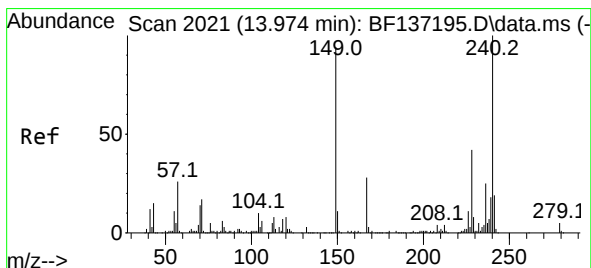
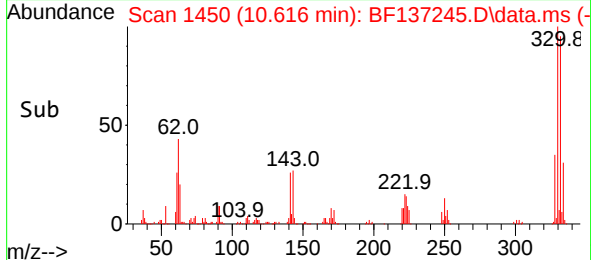
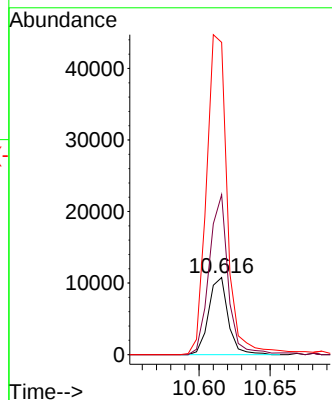
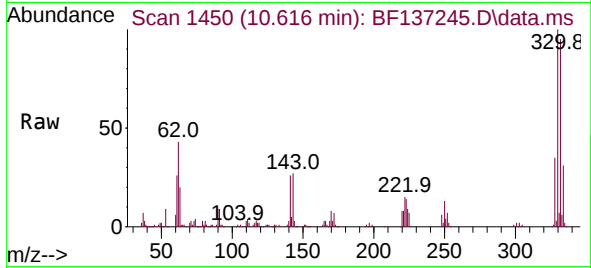




#67
4-Bromophenyl-phenylether
Concen: 5.495 ng
RT: 10.616 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF137245.D
Acq: 01 Feb 2024 21:53

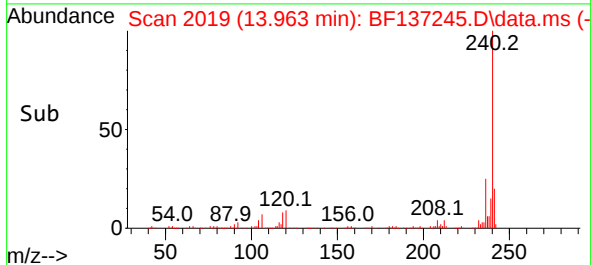
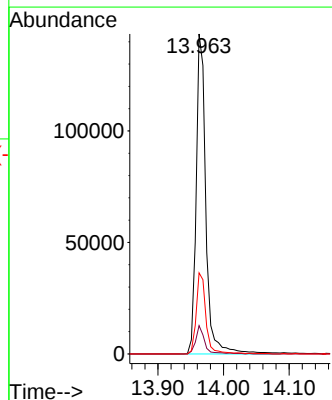
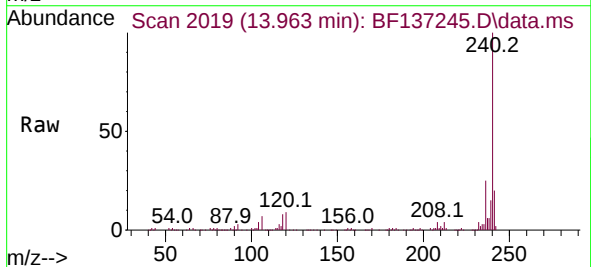
Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-02

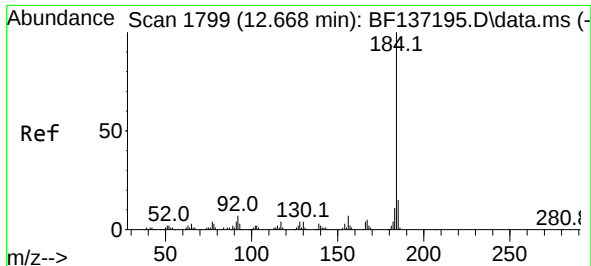
Tgt Ion:248 Resp: 10306
Ion Ratio Lower Upper
248 100
250 207.5 77.7 116.5#
141 405.2 51.6 77.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF137245.D
Acq: 01 Feb 2024 21:53

Tgt Ion:240 Resp: 147517
Ion Ratio Lower Upper
240 100
120 8.8 6.3 9.5
236 25.3 20.3 30.5

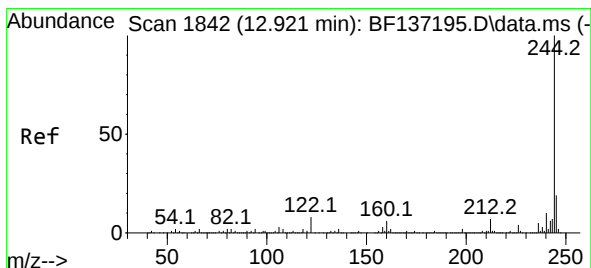
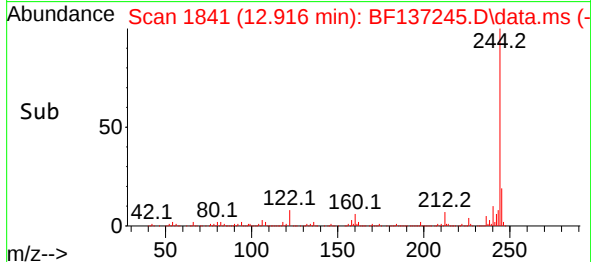
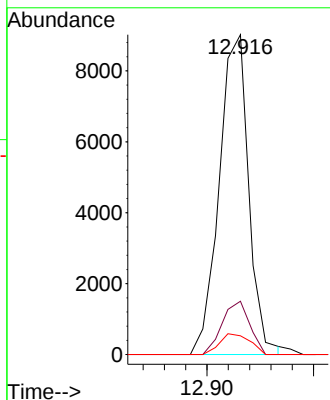
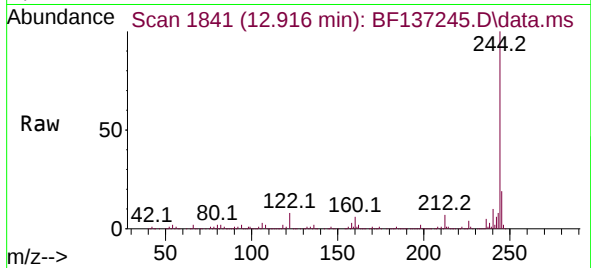




#77
Benzidine
Concen: 3.279 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.248 min
Lab File: BF137245.D
Acq: 01 Feb 2024 21:53

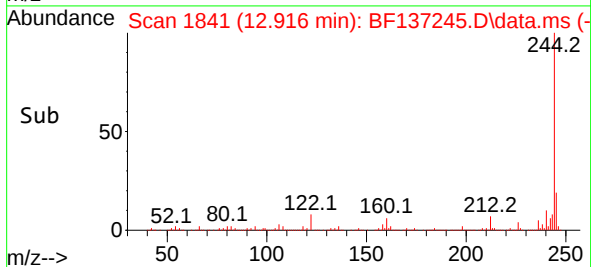
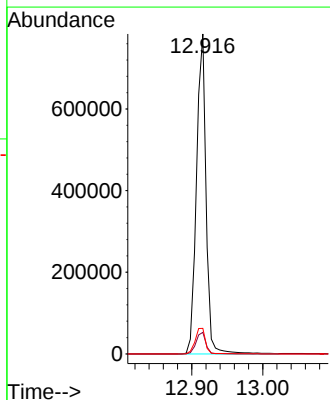
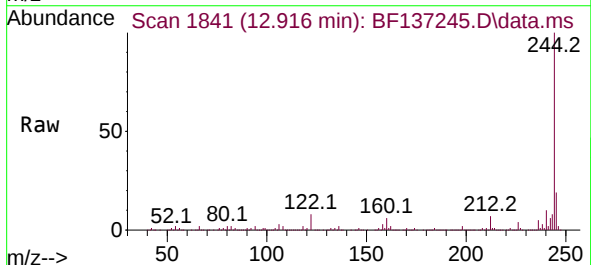
Instrument :
BNA_F
ClientSampleId :
TR-614-COMP-02

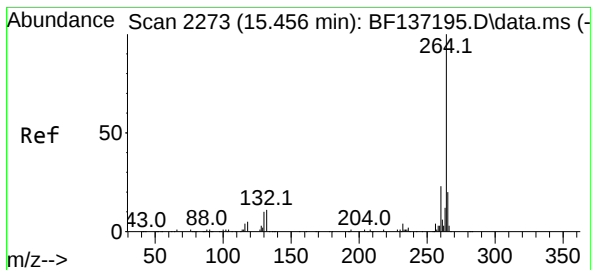
Tgt Ion:184 Resp: 8662
Ion Ratio Lower Upper
184 100
185 16.7 11.9 17.9
183 5.9 8.8 13.2#



#79
Terphenyl-d14
Concen: 67.223 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF137245.D
Acq: 01 Feb 2024 21:53

Tgt Ion:244 Resp: 729453
Ion Ratio Lower Upper
244 100
212 6.7 5.5 8.3
122 8.0 6.2 9.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF137245.D

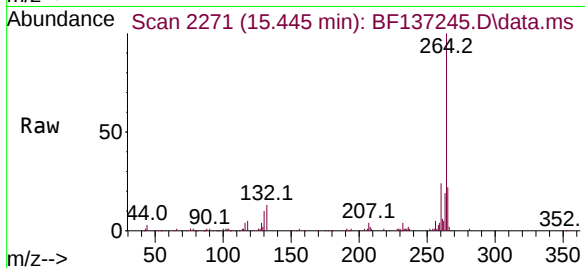
Acq: 01 Feb 2024 21:53

Instrument :

BNA_F

ClientSampleId :

TR-614-COMP-02



Tgt Ion:264 Resp: 83212

Ion Ratio Lower Upper

264 100

260 23.6 18.2 27.4

265 21.6 16.2 24.2

