

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
 Data File : BF141625.D
 Acq On : 13 Feb 2025 19:53
 Operator : RC/JU
 Sample : Q1365-05 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 286

Quant Time: Feb 14 00:38:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

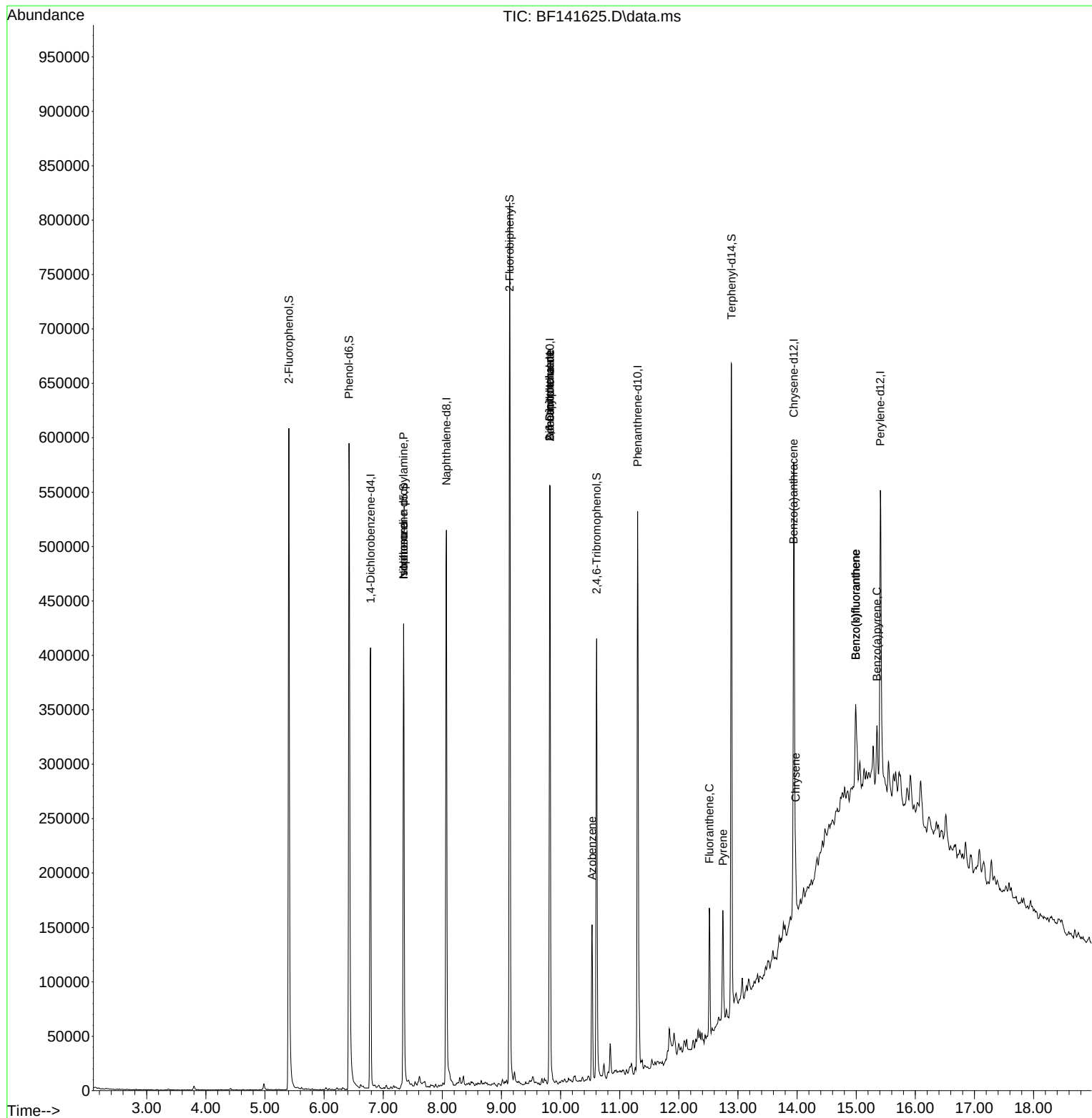
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	87544	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	348669	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	175425	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	268879	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	194331	20.000	ng	-0.02
86) Perylene-d12	15.410	264	158004	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	243218	43.556	ng	0.00
7) Phenol-d6	6.422	99	302893	42.916	ng	-0.02
23) Nitrobenzene-d5	7.345	82	191036	28.578	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	67146	38.103	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	360528	31.663	ng	-0.01
79) Terphenyl-d14	12.892	244	308097	26.765	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.345	70	26171	6.199	ng	# 76
25) Isophorone	7.345	82	179715	16.861	ng	# 66
50) Dimethylphthalate	9.822	163	27446	2.305	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	22050	8.470	ng	# 22
57) 2,4-Dinitrotoluene	9.816	165	22050	6.362	ng	# 19
63) Azobenzene	10.533	77	35870	3.079	ng	# 1
75) Fluoranthene	12.516	202	71533	4.559	ng	98
78) Pyrene	12.745	202	58084	3.511	ng	98
81) Benzo(a)anthracene	13.939	228	30077	2.328	ng	# 90
83) Chrysene	13.974	228	35775	2.999	ng	# 96
88) Benzo(b)fluoranthene	14.992	252	55584	5.239	ng	# 87
89) Benzo(k)fluoranthene	14.992	252	55584	6.136	ng	# 89
90) Benzo(a)pyrene	15.351	252	23717	2.763	ng	# 79

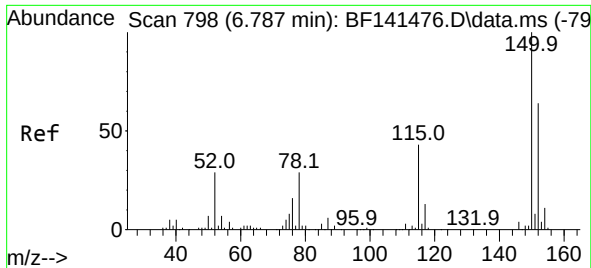
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Feb 06 16:58:59 2025
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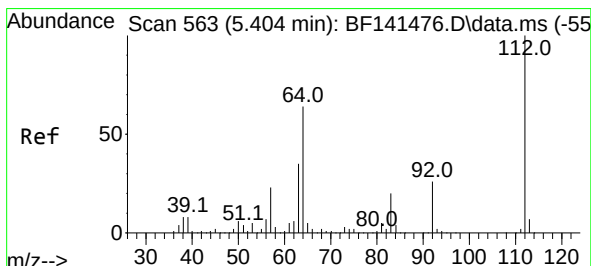
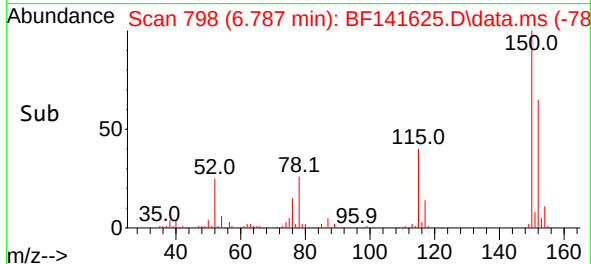
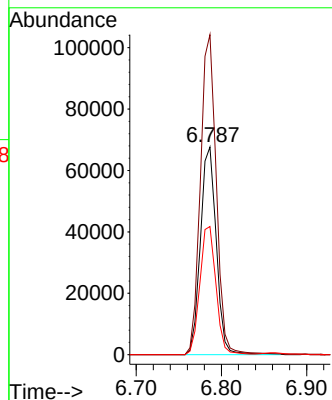
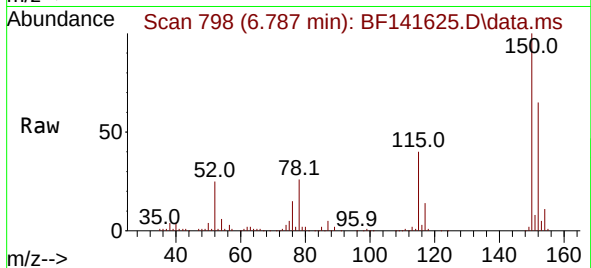




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

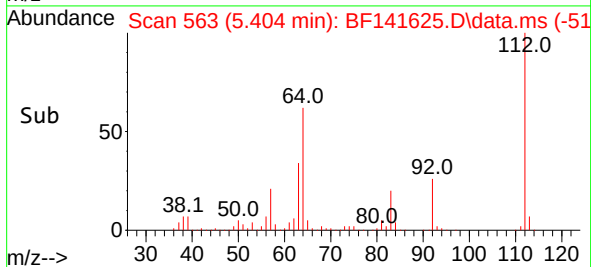
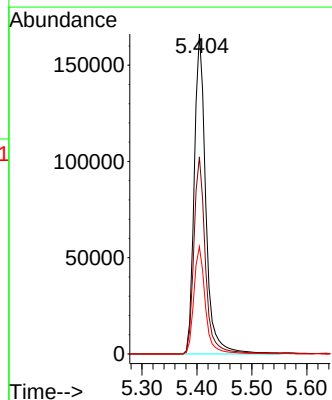
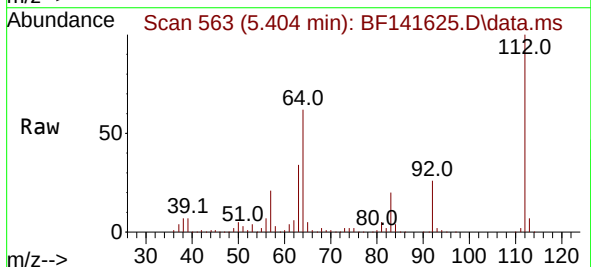
Instrument :
BNA_F
ClientSampleId :
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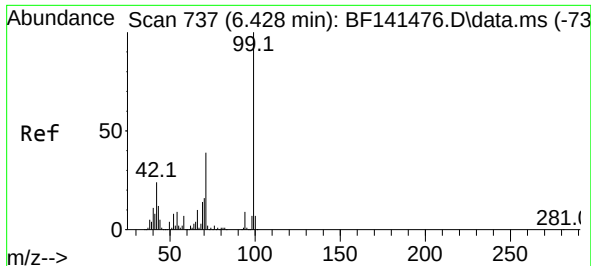
Tgt Ion:152 Resp: 87544
Ion Ratio Lower Upper
152 100
150 154.0 125.0 187.4
115 61.7 53.6 80.4



#5
2-Fluorophenol
Concen: 43.556 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

Tgt Ion:112 Resp: 243218
Ion Ratio Lower Upper
112 100
64 61.6 51.1 76.7
63 33.5 28.4 42.6





#7
Phenol-d6
Concen: 42.916 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

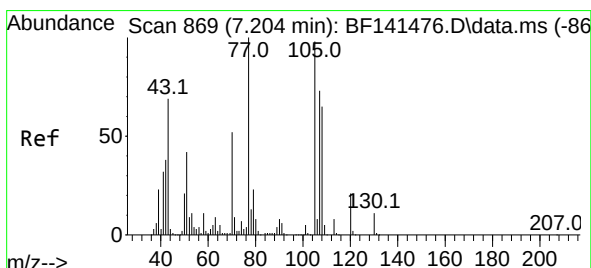
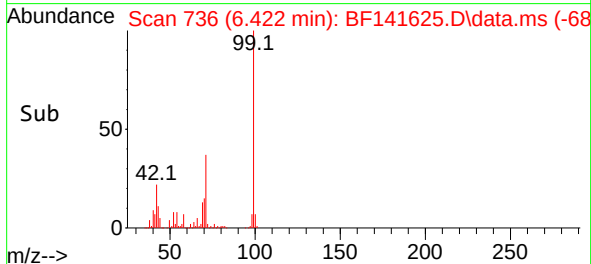
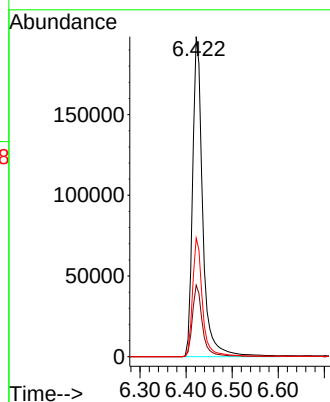
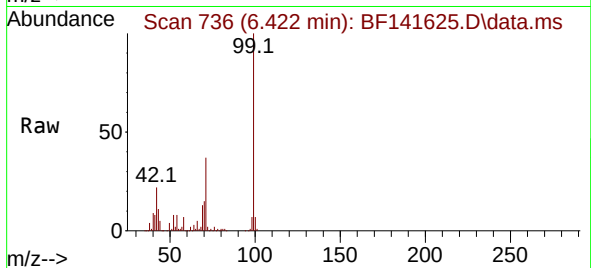
Instrument :

BNA_F

ClientSampleId :

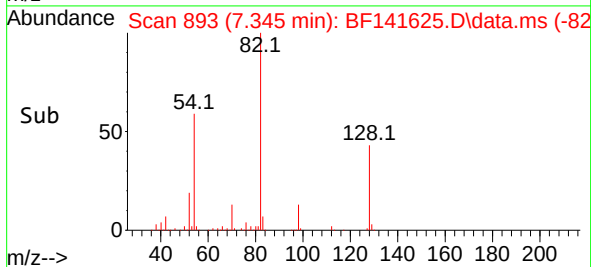
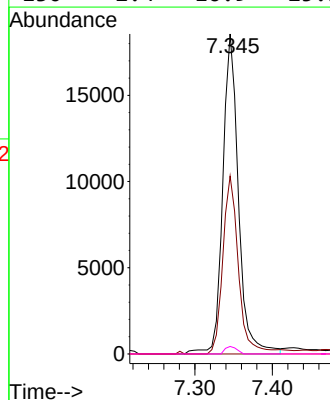
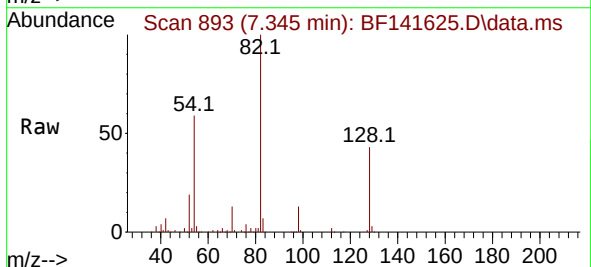
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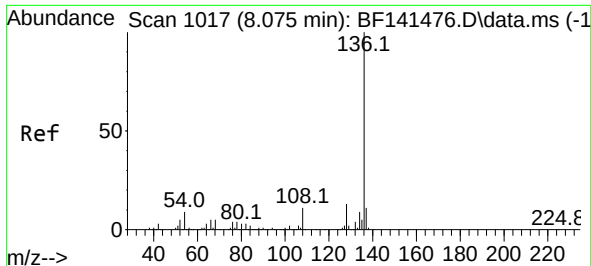
Tgt Ion: 99 Resp: 302893
Ion Ratio Lower Upper
99 100
42 22.3 19.1 28.7
71 37.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 6.199 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

Tgt Ion: 70 Resp: 26171
Ion Ratio Lower Upper
70 100
42 55.6 57.4 86.2#
101 0.0 8.0 12.0#
130 2.4 16.9 25.3#

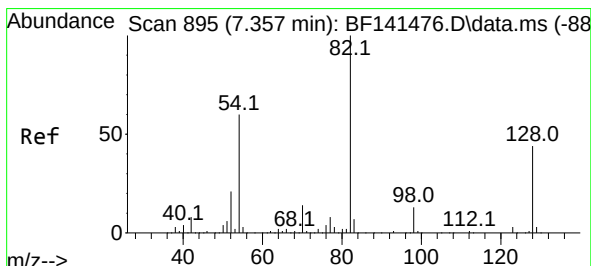
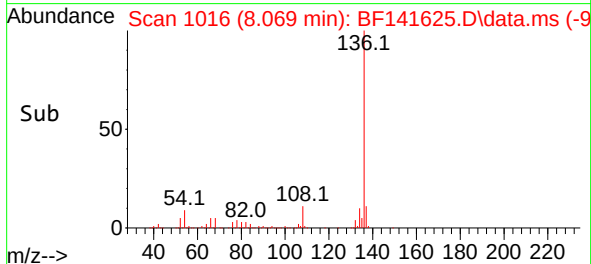
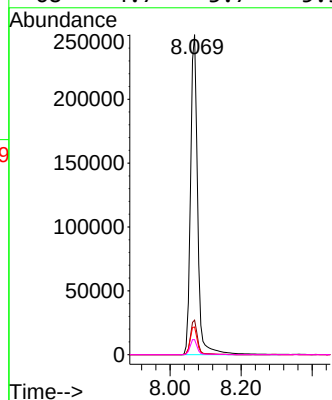
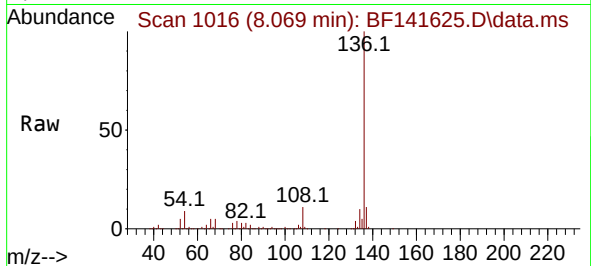




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

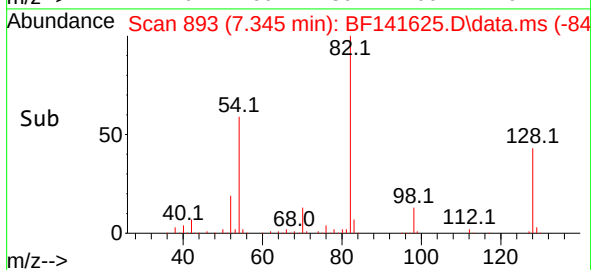
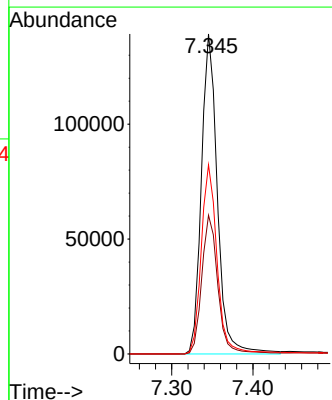
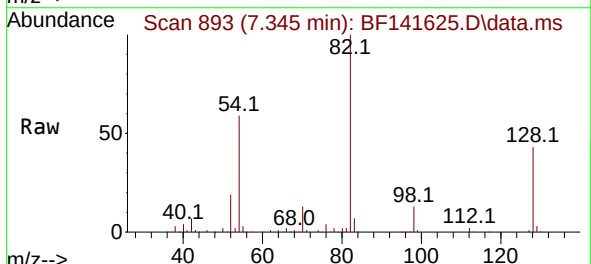
Instrument :
BNA_F
ClientSampleId :
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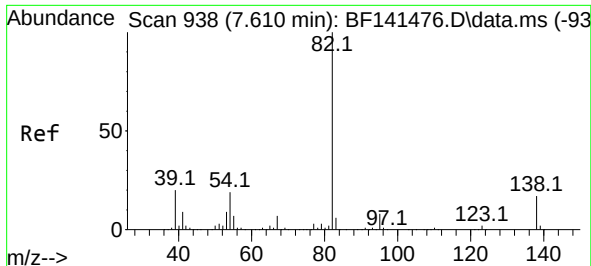
Tgt Ion:136 Resp: 348669
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.7 7.2 10.8
68 4.7 3.7 5.5



#23
Nitrobenzene-d5
Concen: 28.578 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

Tgt Ion: 82 Resp: 191036
Ion Ratio Lower Upper
82 100
128 43.3 34.8 52.2
54 59.1 48.2 72.4

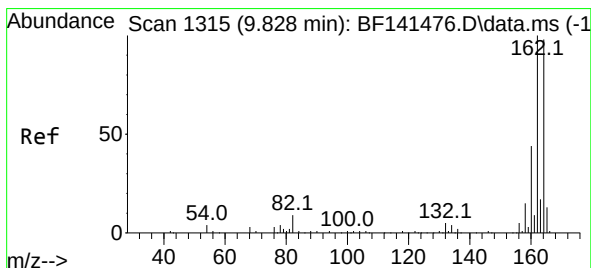
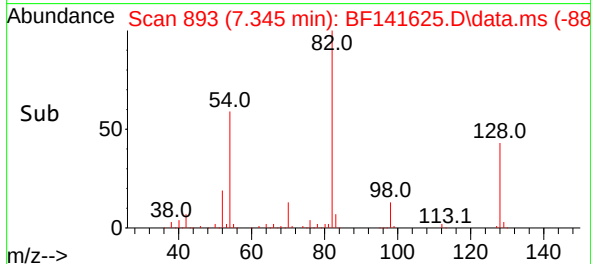
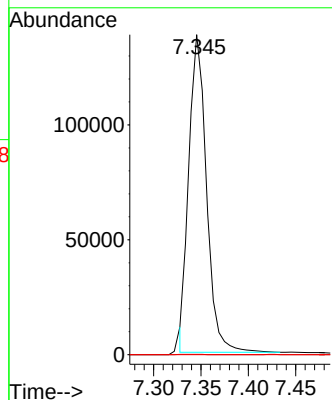
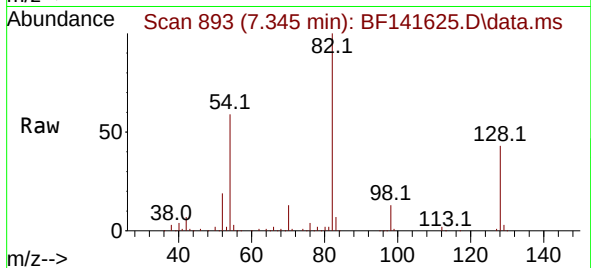




#25
Isophorone
Concen: 16.861 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

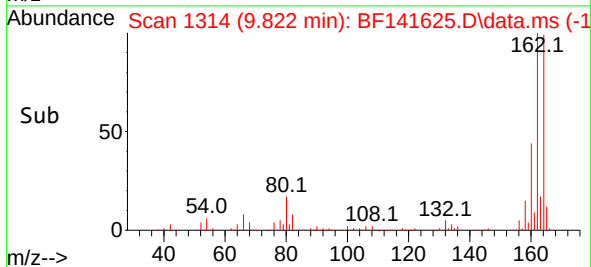
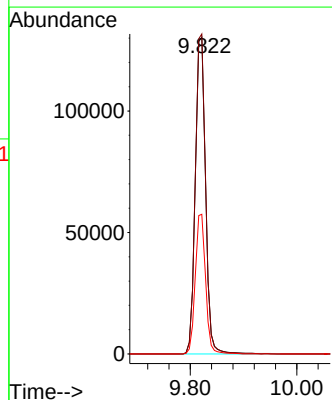
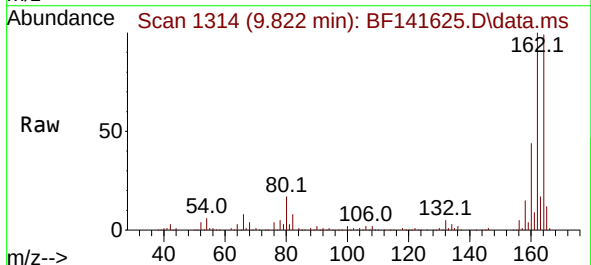
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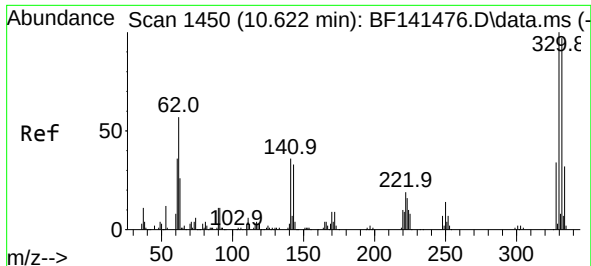
Tgt Ion: 82 Resp: 179715
Ion Ratio Lower Upper
82 100
95 0.1 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

Tgt Ion:164 Resp: 175425
Ion Ratio Lower Upper
164 100
162 101.0 81.3 121.9
160 44.1 35.9 53.9

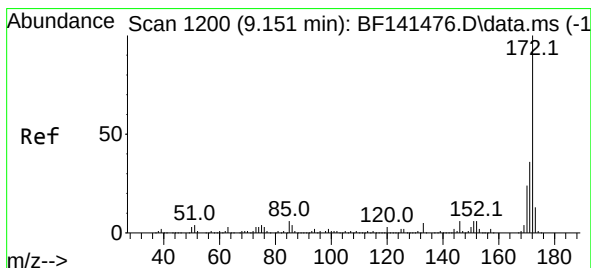
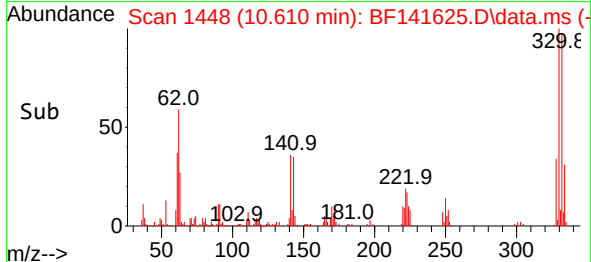
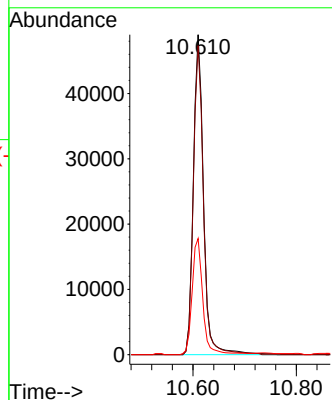
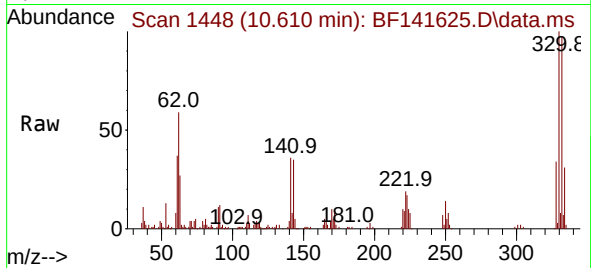




#42
 2,4,6-Tribromophenol
 Concen: 38.103 ng
 RT: 10.610 min Scan# 1450
 Delta R.T. -0.018 min
 Lab File: BF141625.D
 Acq: 13 Feb 2025 19:53

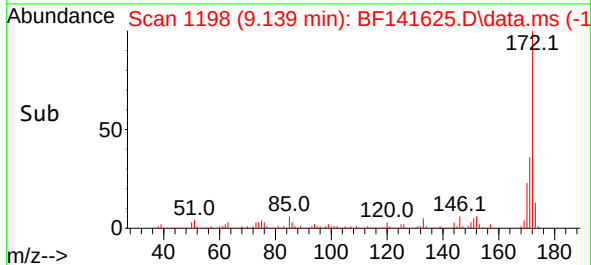
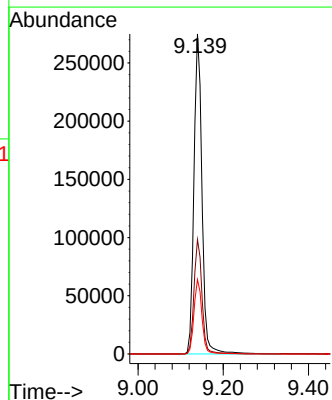
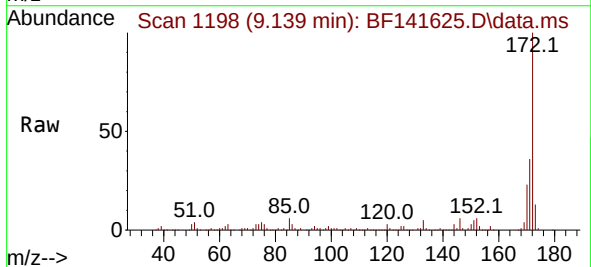
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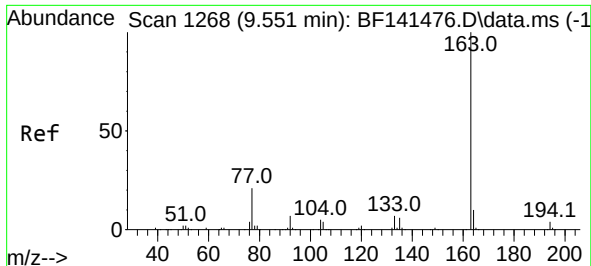
Tgt Ion:330 Resp: 67146
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.5 117.7
 141 38.5 31.0 46.4



#45
 2-Fluorobiphenyl
 Concen: 31.663 ng
 RT: 9.139 min Scan# 1198
 Delta R.T. -0.012 min
 Lab File: BF141625.D
 Acq: 13 Feb 2025 19:53

Tgt Ion:172 Resp: 360528
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.7 43.1
 170 23.3 18.9 28.3

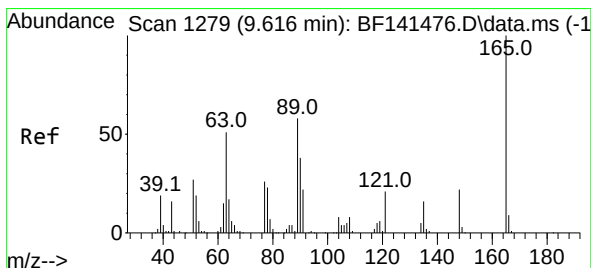
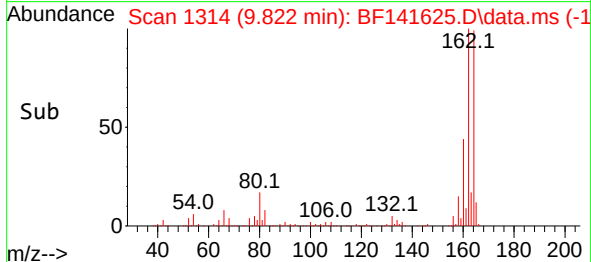
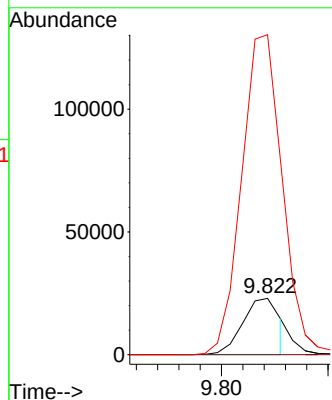
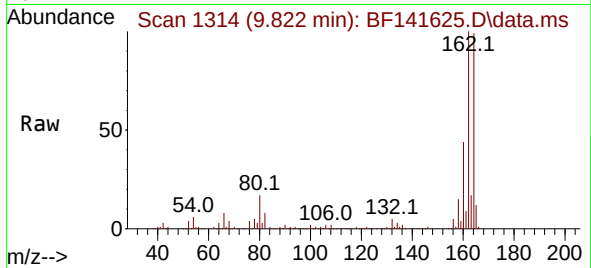




#50
Dimethylphthalate
Concen: 2.305 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

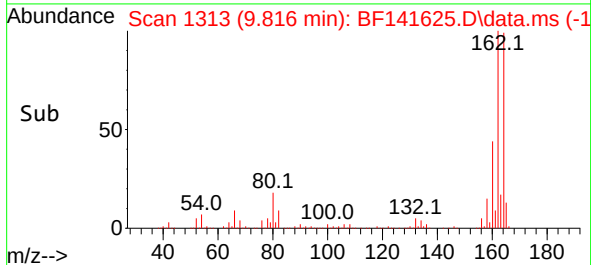
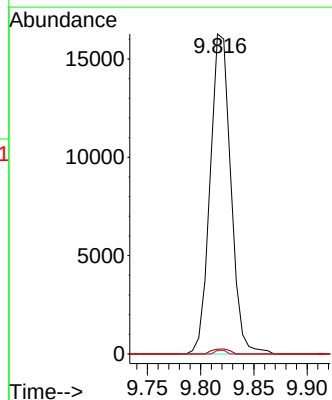
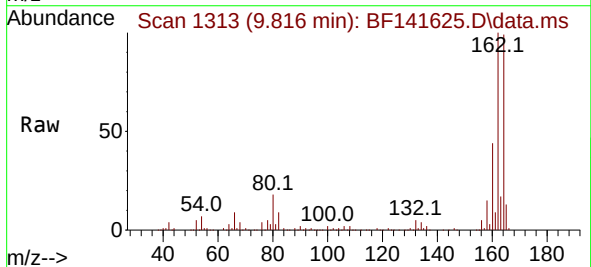
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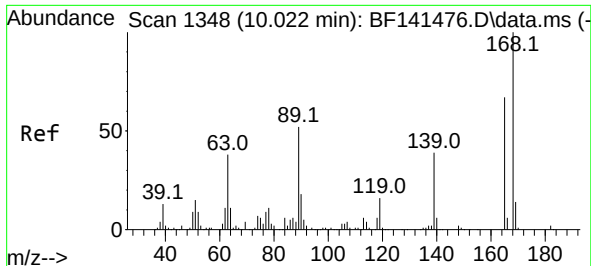
Tgt Ion:163 Resp: 27446
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 567.7 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.470 ng
RT: 9.816 min Scan# 1313
Delta R.T. 0.194 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

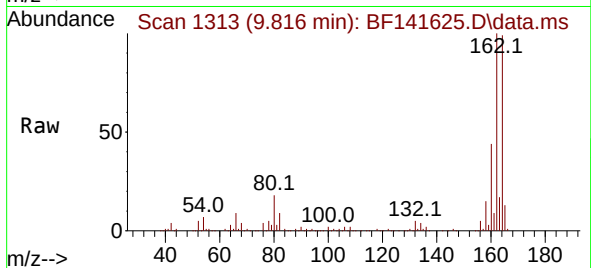
Tgt Ion:165 Resp: 22050
Ion Ratio Lower Upper
165 100
63 1.5 49.4 74.0#
89 1.1 46.5 69.7#



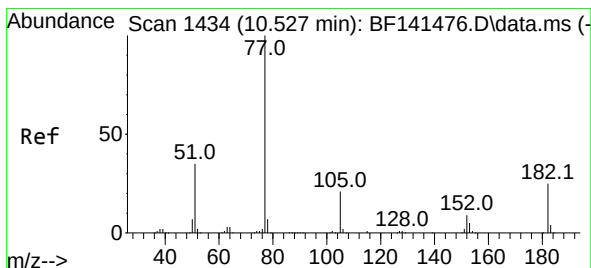
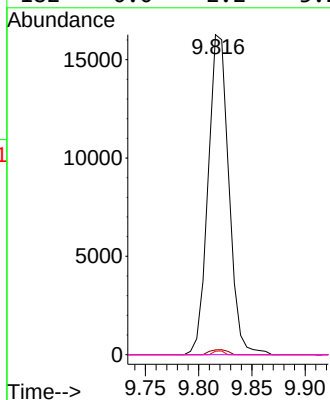
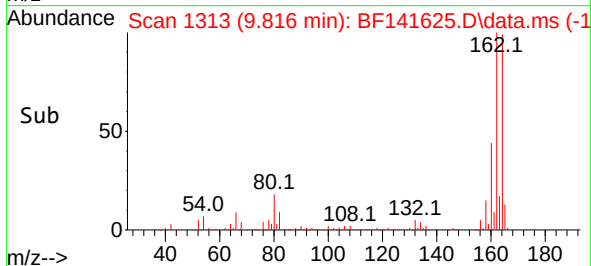


#57
2,4-Dinitrotoluene
Concen: 6.362 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

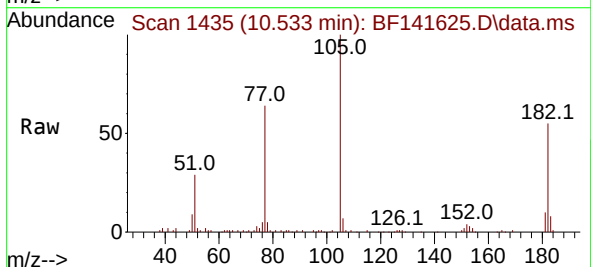
Instrument :
BNA_F
ClientSampleId :
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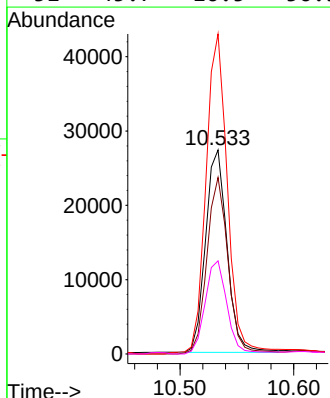
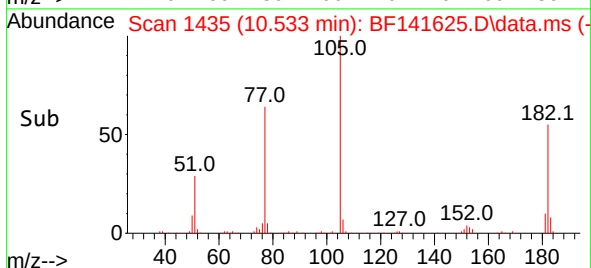
Tgt Ion:165 Resp: 22050
Ion Ratio Lower Upper
165 100
63 1.5 46.4 69.6#
89 1.1 61.8 92.6#
182 0.0 2.2 3.2#

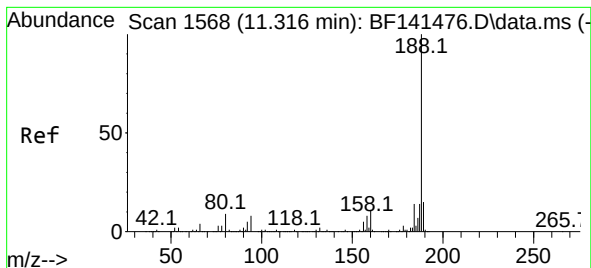


#63
Azobenzene
Concen: 3.079 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53



Tgt Ion: 77 Resp: 35870
Ion Ratio Lower Upper
77 100
182 86.5 4.7 44.7#
105 156.9 0.4 40.4#
51 45.7 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141625.D

Acq: 13 Feb 2025 19:53

Instrument :

BNA_F

ClientSampleId :

286

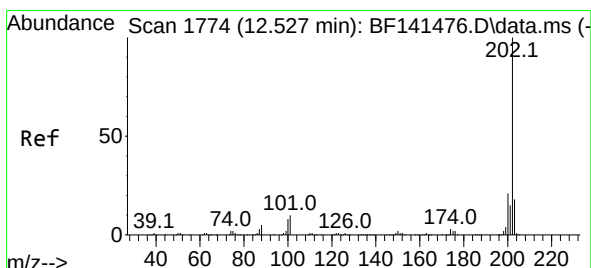
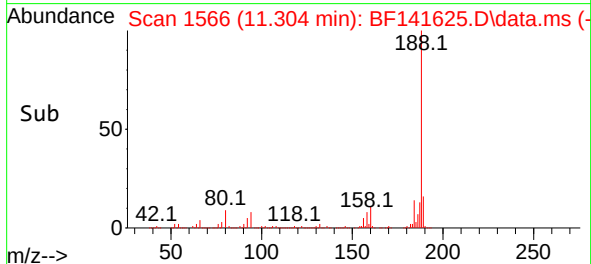
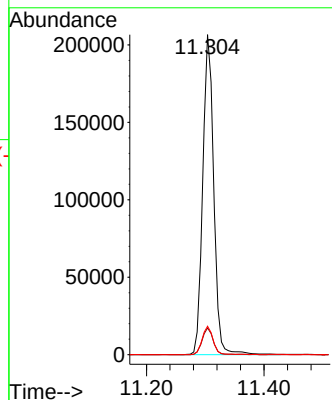
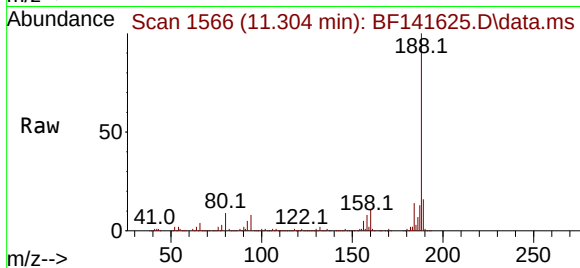
Tgt Ion:188 Resp: 268879

Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

80 8.9 7.3 10.9



#75

Fluoranthene

Concen: 4.559 ng

RT: 12.516 min Scan# 1772

Delta R.T. -0.018 min

Lab File: BF141625.D

Acq: 13 Feb 2025 19:53

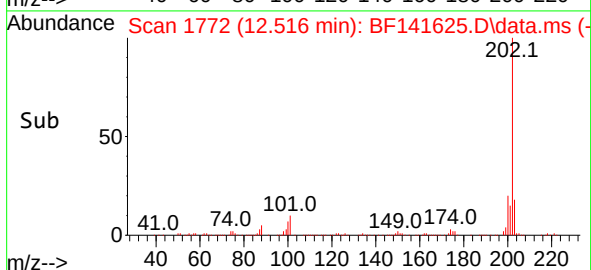
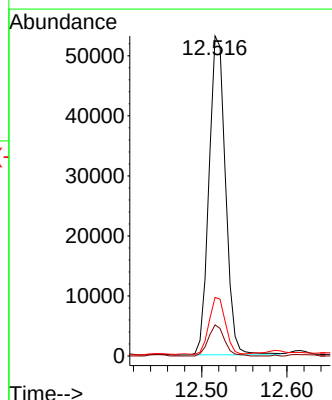
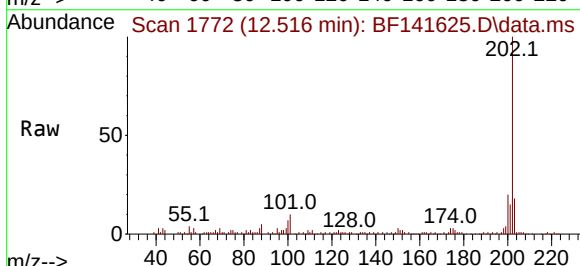
Tgt Ion:202 Resp: 71533

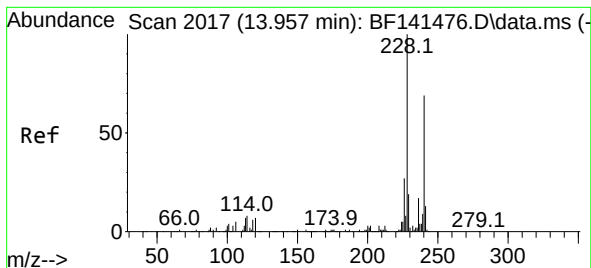
Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.2

203 18.3 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 2015

Delta R.T. -0.018 min

Lab File: BF141625.D

Acq: 13 Feb 2025 19:53

Instrument :

BNA_F

ClientSampleId :

286

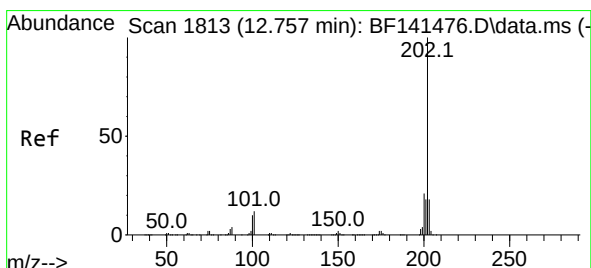
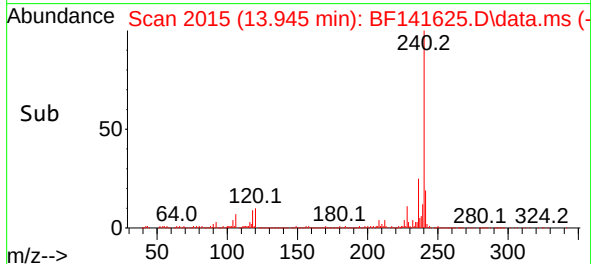
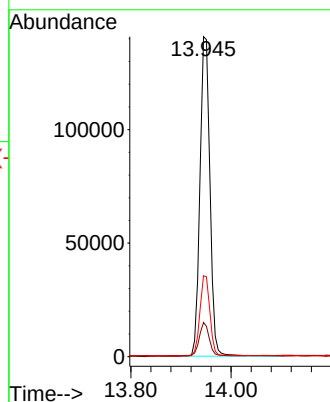
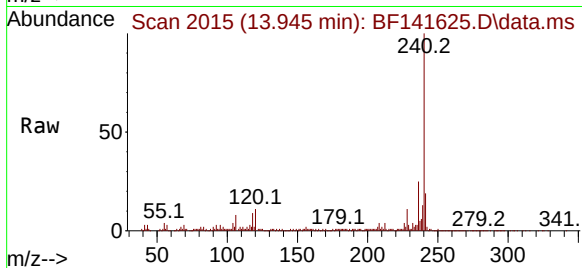
Tgt Ion:240 Resp: 194331

Ion Ratio Lower Upper

240 100

120 10.7 8.0 12.0

236 25.3 19.8 29.8



#78

Pyrene

Concen: 3.511 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.018 min

Lab File: BF141625.D

Acq: 13 Feb 2025 19:53

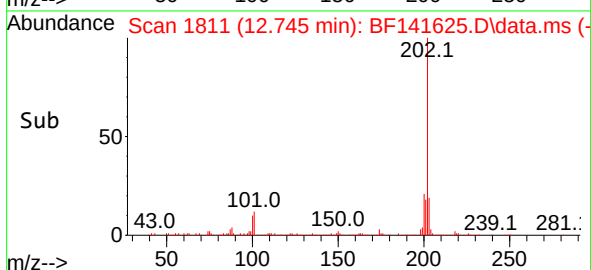
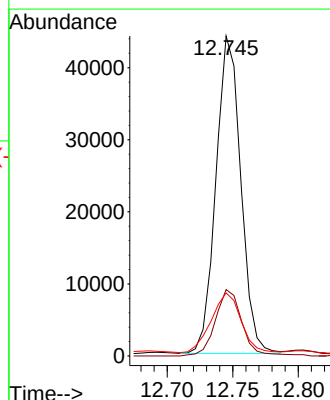
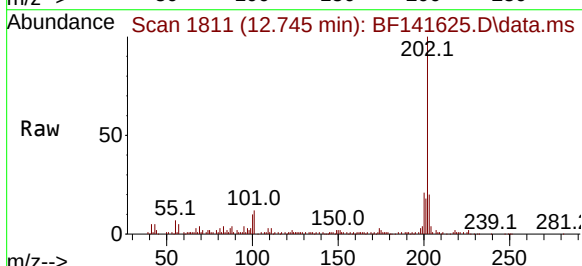
Tgt Ion:202 Resp: 58084

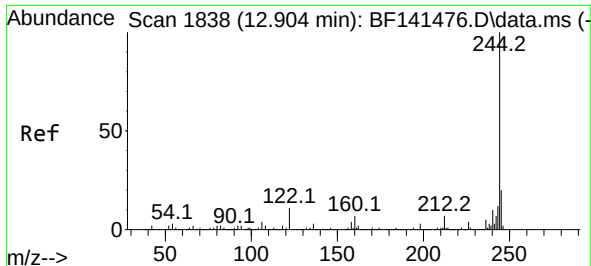
Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.4

203 19.7 14.3 21.5

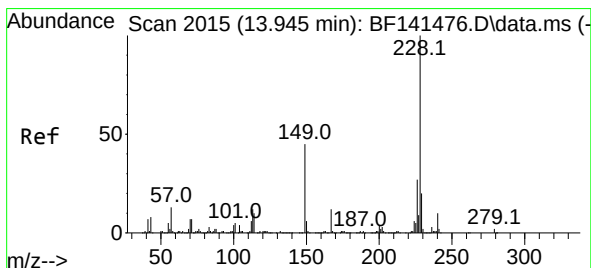
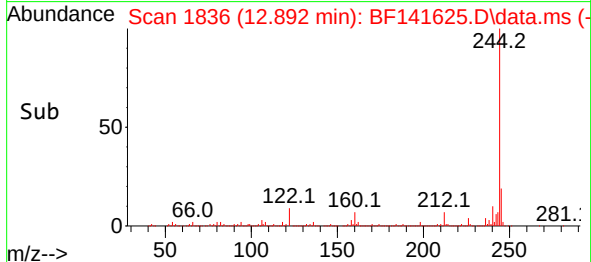
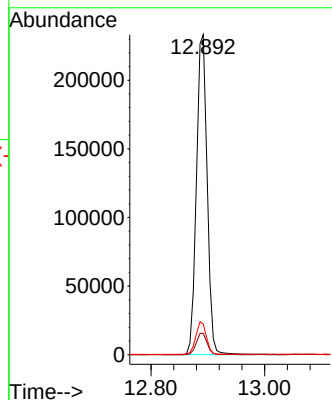
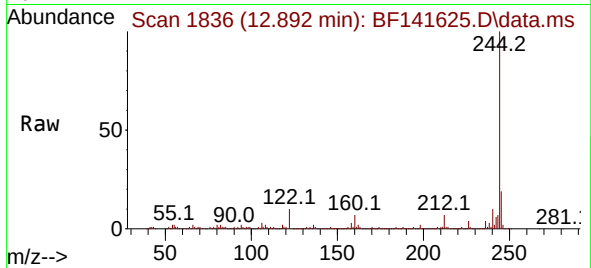




#79
 Terphenyl-d14
 Concen: 26.765 ng
 RT: 12.892 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141625.D
 Acq: 13 Feb 2025 19:53

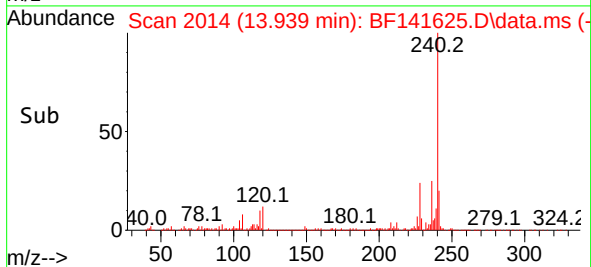
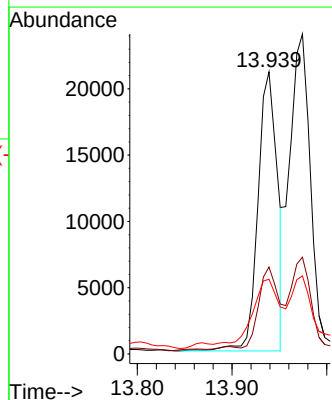
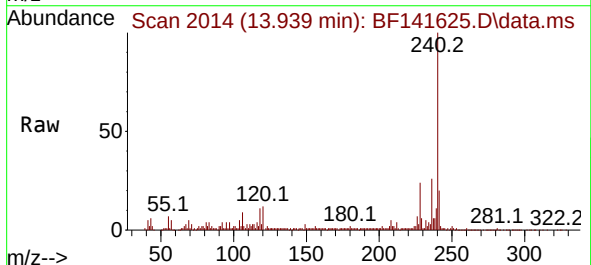
Instrument :
 BNA_F
 ClientSampleId :
 286

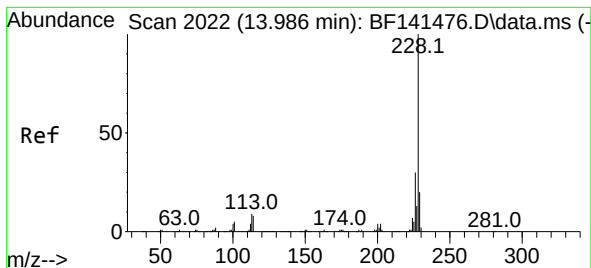
Tgt Ion:244 Resp: 308097
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 9.6 8.4 12.6



#81
 Benzo(a)anthracene
 Concen: 2.328 ng
 RT: 13.939 min Scan# 2014
 Delta R.T. -0.012 min
 Lab File: BF141625.D
 Acq: 13 Feb 2025 19:53

Tgt Ion:228 Resp: 30077
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.8 32.8
 229 26.5 15.8 23.6#





#83

Chrysene

Concen: 2.999 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141625.D

Acq: 13 Feb 2025 19:53

Instrument :

BNA_F

ClientSampleId :

286

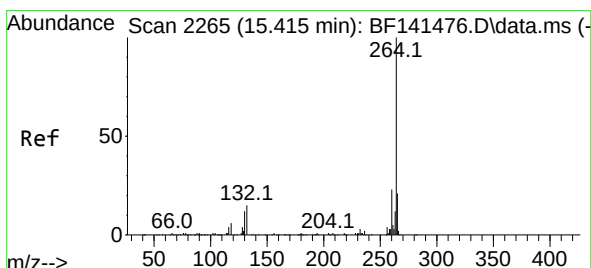
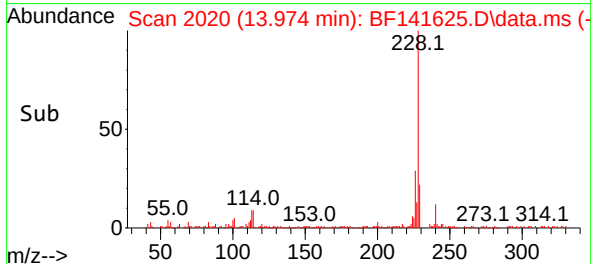
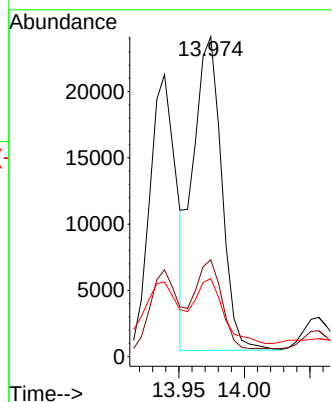
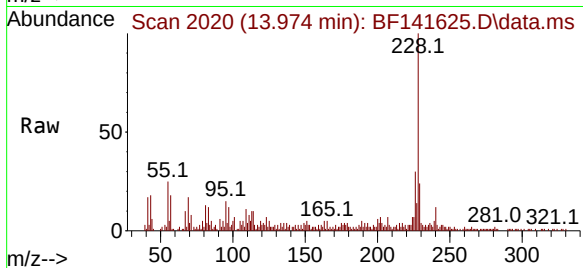
Tgt Ion:228 Resp: 35775

Ion Ratio Lower Upper

228 100

226 30.3 24.0 36.0

229 24.4 15.7 23.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2264

Delta R.T. -0.006 min

Lab File: BF141625.D

Acq: 13 Feb 2025 19:53

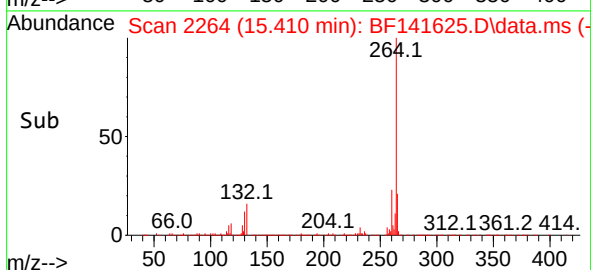
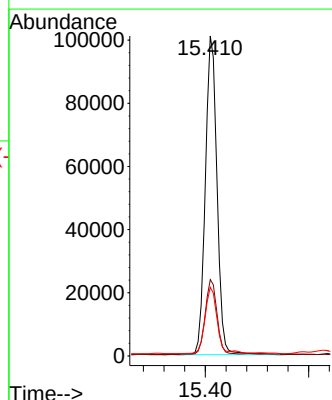
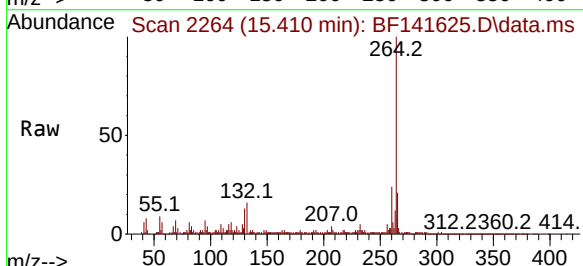
Tgt Ion:264 Resp: 158004

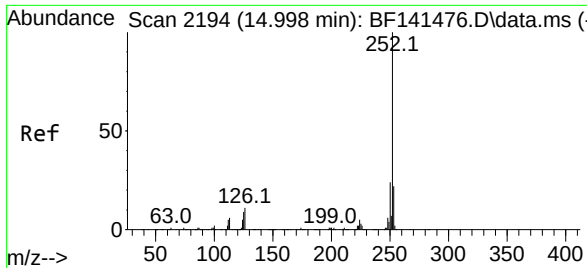
Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 21.5 17.0 25.4

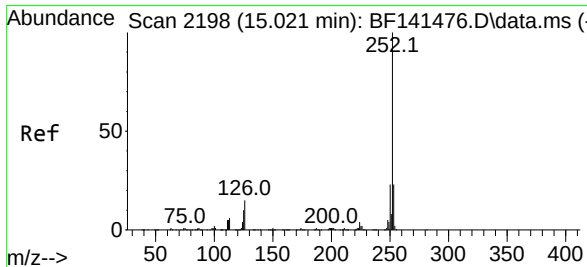
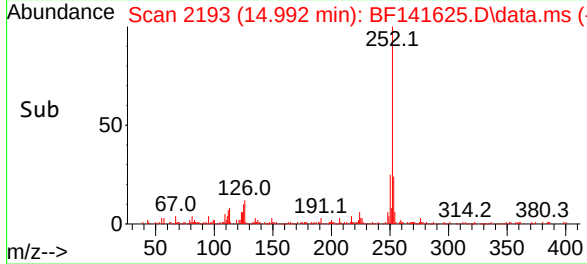
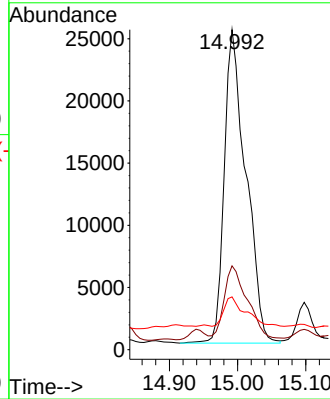
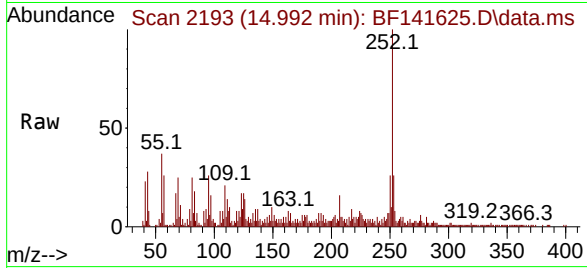




#88
Benzo(b)fluoranthene
Concen: 5.239 ng
RT: 14.992 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

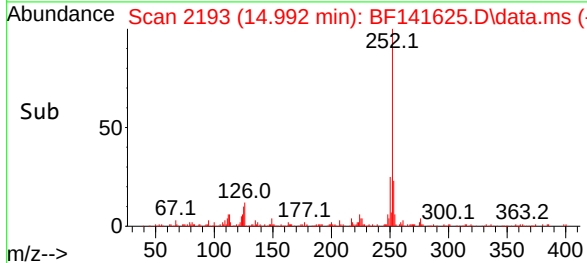
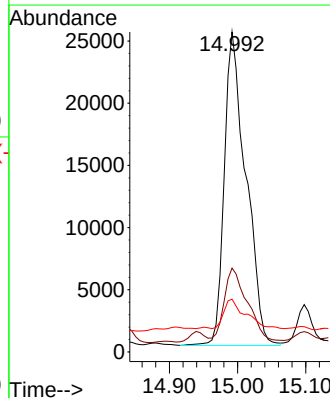
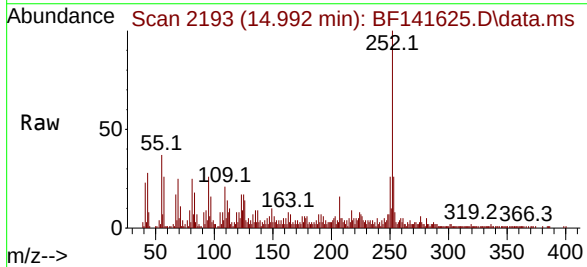
Instrument :
BNA_F
ClientSampleId :
286

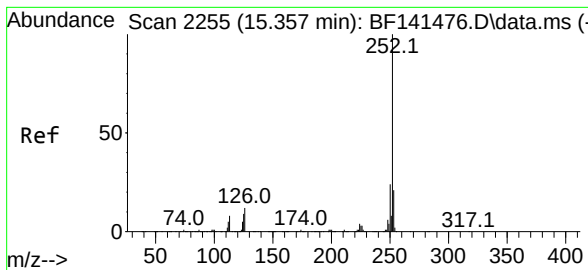
Tgt Ion:252 Resp: 55584
Ion Ratio Lower Upper
252 100
253 26.2 17.5 26.3
125 16.5 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 6.136 ng
RT: 14.992 min Scan# 2193
Delta R.T. -0.041 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

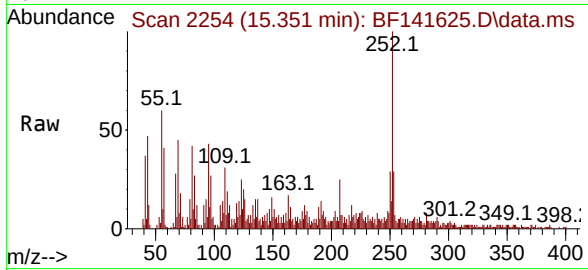
Tgt Ion:252 Resp: 55584
Ion Ratio Lower Upper
252 100
253 26.2 18.0 27.0
125 16.5 7.4 11.0#





#90
Benzo(a)pyrene
Concen: 2.763 ng
RT: 15.351 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141625.D
Acq: 13 Feb 2025 19:53

Instrument :
BNA_F
ClientSampleId :
286



Tgt Ion:	252	Resp:	23717
Ion Ratio	Lower	Upper	
252	100		
253	29.1	17.1	25.7#
125	20.5	7.4	11.2#

