

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101921\
 Data File : BF125904.D
 Acq On : 19 Oct 2021 17:23
 Operator : JU/CG
 Sample : M4274-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2-CS

Quant Time: Oct 20 09:28:18 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 18 12:43:03 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

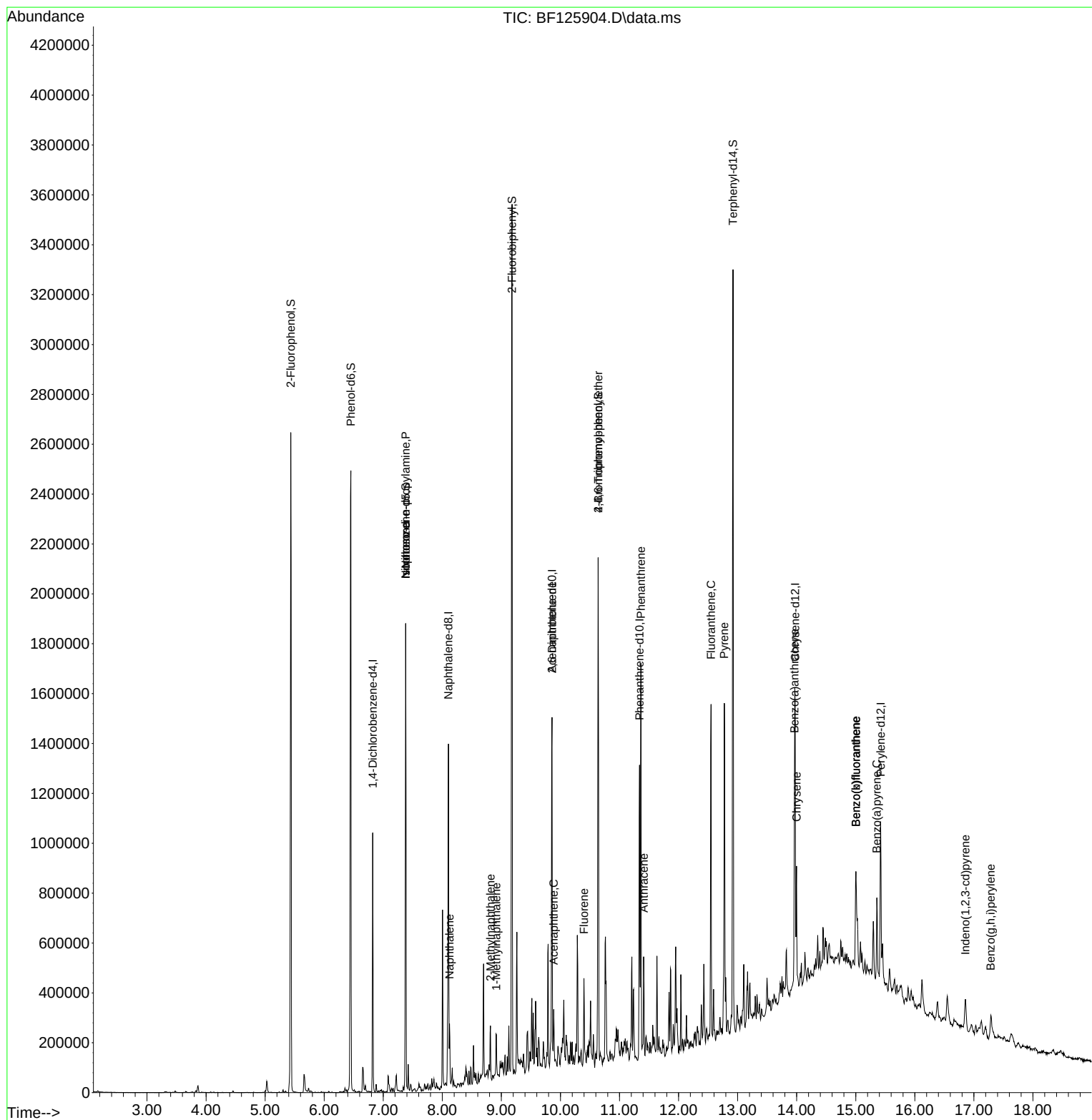
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	140952	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	576625	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	292973	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	437248	20.000	ng	0.00
76) Chrysene-d12	13.974	240	347479	20.000	ng	0.00
86) Perylene-d12	15.421	264	281528	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	824479	95.557	ng	0.00
7) Phenol-d6	6.451	99	1002350	90.242	ng	0.00
23) Nitrobenzene-d5	7.381	82	575936	62.086	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	237275	82.030	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1141893	67.227	ng	0.00
79) Terphenyl-d14	12.921	244	987146	43.274	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	71413	12.179	ng	# 51
25) Isophorone	7.381	82	572173	34.816	ng	# 59
31) Naphthalene	8.122	128	91709	3.289	ng	99
37) 2-Methylnaphthalene	8.816	142	60096	3.328	ng	99
38) 1-Methylnaphthalene	8.916	142	45719	2.609	ng	92
51) 2,6-Dinitrotoluene	9.857	165	40448	10.376	ng	# 28
52) Acenaphthene	9.886	154	34492	2.156	ng	98
58) Fluorene	10.398	166	76722	4.370	ng	99
67) 4-Bromophenyl-phenylether	10.639	248	13597	2.808	ng	# 1
71) Phenanthrene	11.363	178	532091	22.744	ng	99
72) Anthracene	11.410	178	139762	5.981	ng	99
75) Fluoranthene	12.551	202	526398	24.937	ng	99
78) Pyrene	12.774	202	540908	15.323	ng	96
81) Benzo(a)anthracene	13.963	228	201858	8.954	ng	98
83) Chrysene	13.998	228	179950	8.076	ng	95
87) Indeno(1,2,3-cd)pyrene	16.856	276	78614	3.659	ng	95
88) Benzo(b)fluoranthene	15.004	252	290047	18.249	ng	94
89) Benzo(k)fluoranthene	15.004	252	290047	17.774	ng	# 94
90) Benzo(a)pyrene	15.357	252	155058	11.016	ng	# 95
92) Benzo(g,h,i)perylene	17.286	276	70963	3.920	ng	98

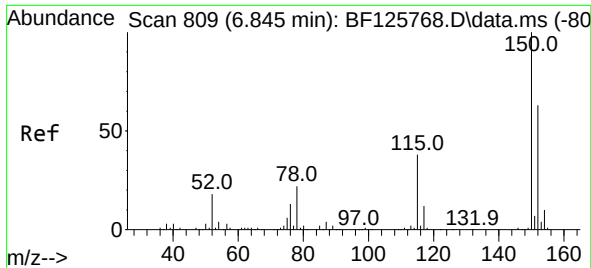
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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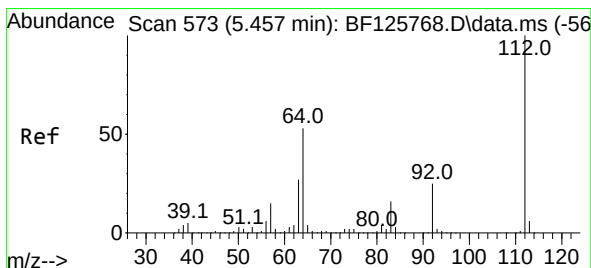
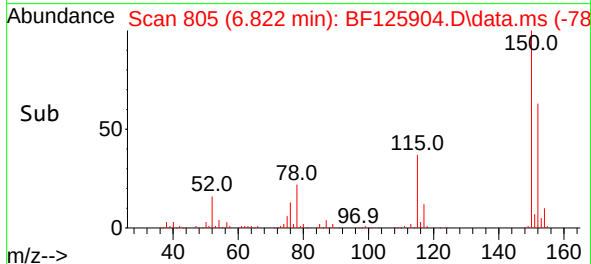
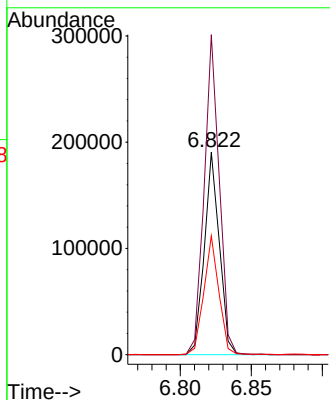
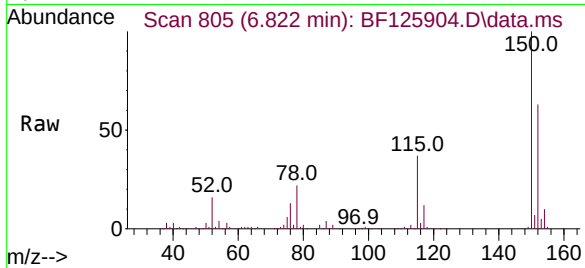




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

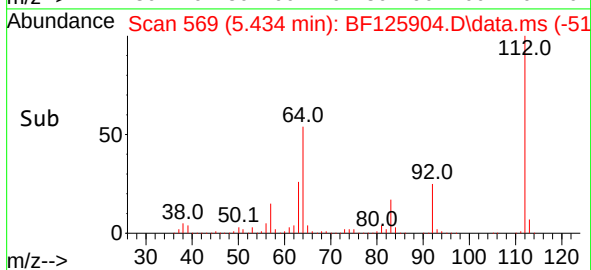
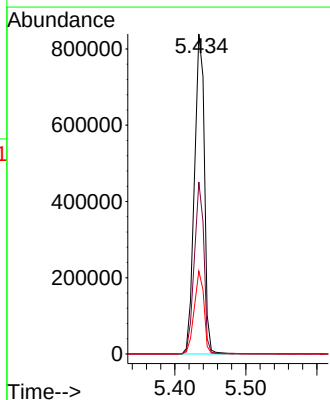
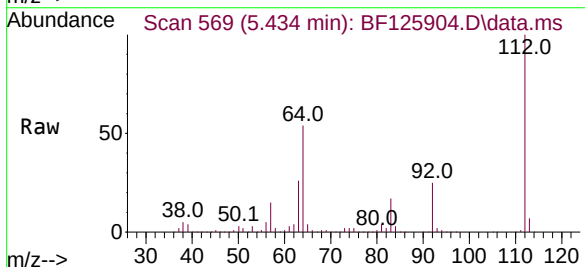
Instrument :
BNA_F
ClientSampled :
WC-2-CS

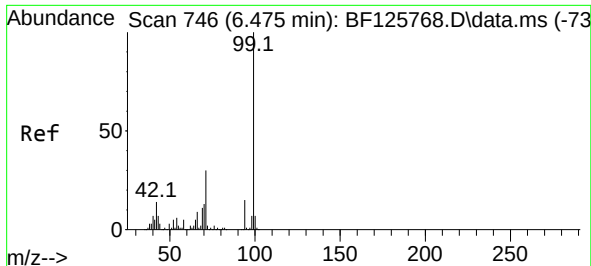
Tgt Ion:152 Resp: 140952
Ion Ratio Lower Upper
152 100
150 158.1 117.6 176.4
115 58.7 47.1 70.7



#5
2-Fluorophenol
Concen: 95.557 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:112 Resp: 824479
Ion Ratio Lower Upper
112 100
64 53.7 44.2 66.2
63 25.9 26.2 39.2#

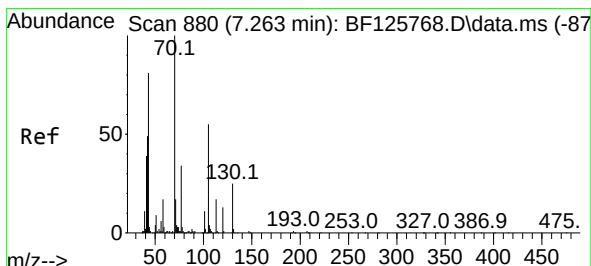
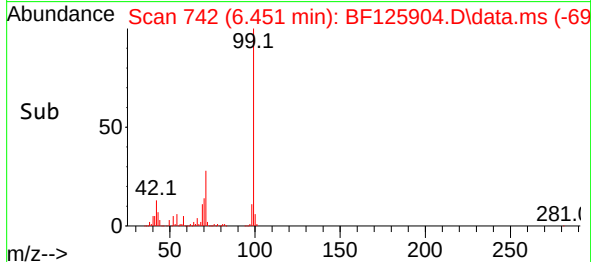
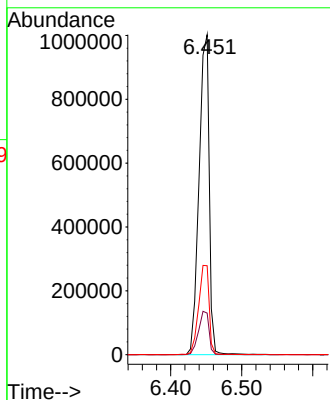
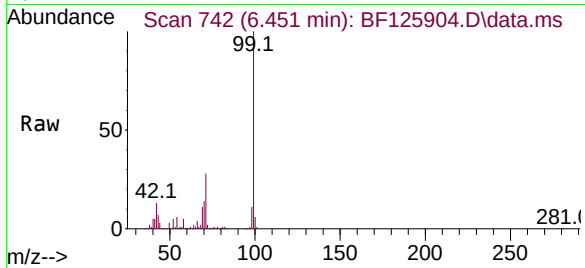




#7
Phenol-d6
Concen: 90.242 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

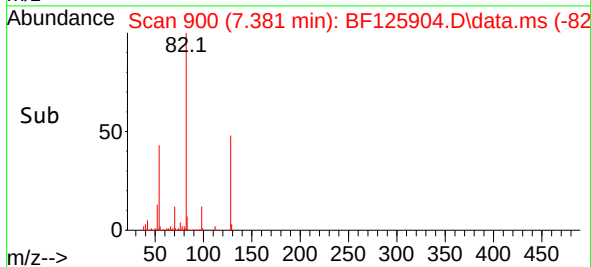
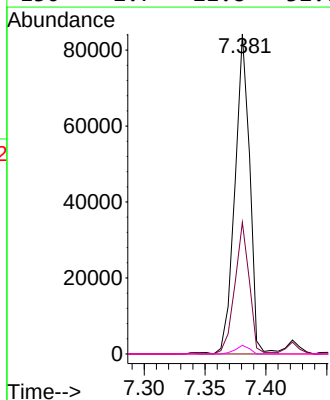
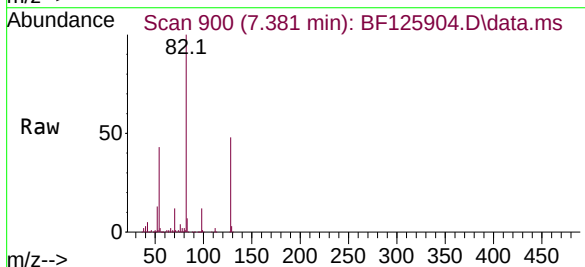
Instrument :
BNA_F
ClientSampleId :
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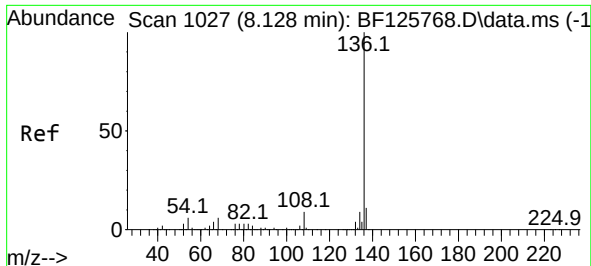
Tgt Ion: 99 Resp: 1002350
Ion Ratio Lower Upper
99 100
42 13.0 23.5 35.3#
71 27.8 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.179 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion: 70 Resp: 71413
Ion Ratio Lower Upper
70 100
42 41.1 72.2 108.2#
101 0.0 7.8 11.8#
130 2.7 21.8 32.6#

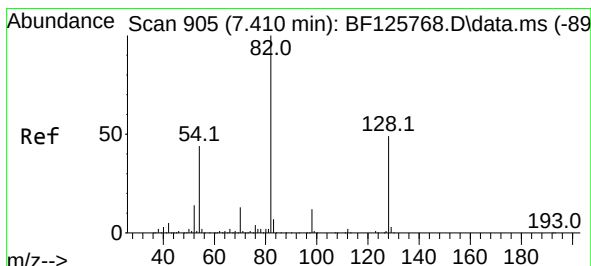
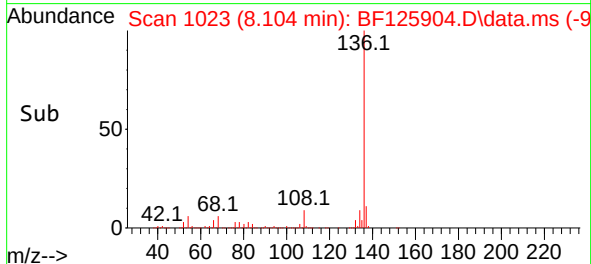
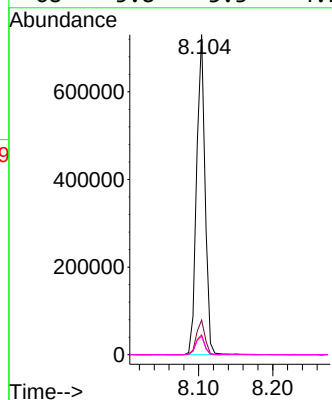
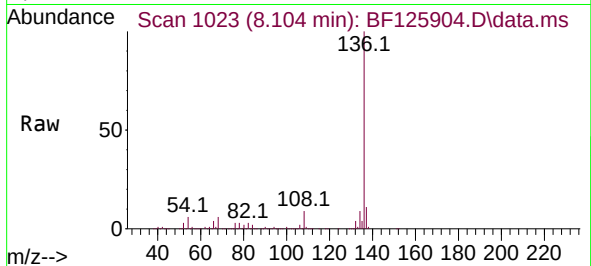




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

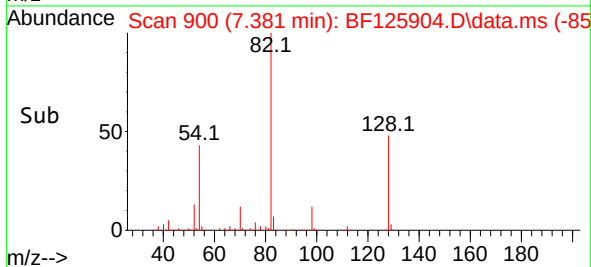
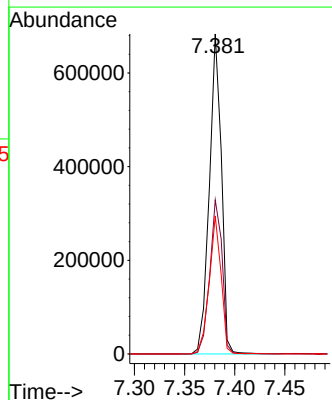
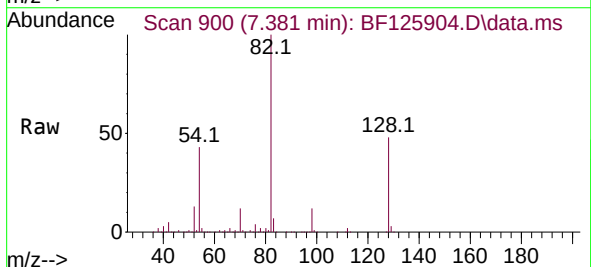
Instrument :
BNA_F
ClientSampleId :
WC-2-CS

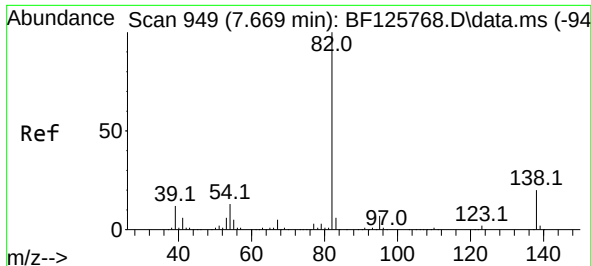
Tgt Ion:	136	Resp:	576625
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.8	14.6
54	6.2	6.4	9.6#
68	5.8	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 62.086 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:	82	Resp:	575936
Ion Ratio	Lower	Upper	
82	100		
128	48.1	40.6	60.8
54	43.2	49.6	74.4#

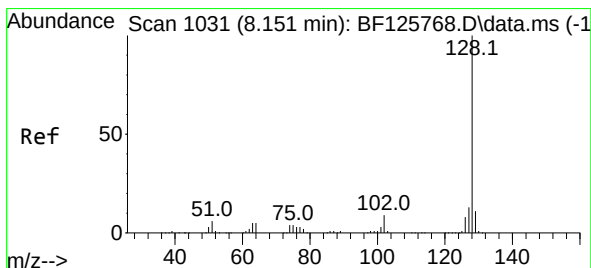
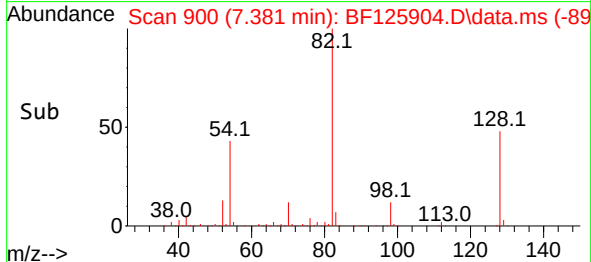
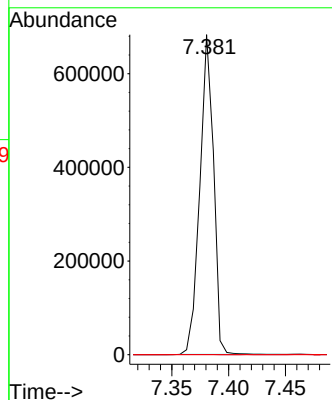
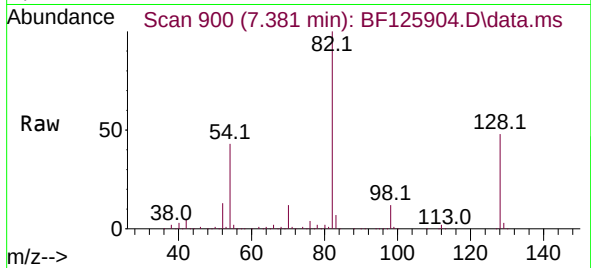




#25
Isophorone
Concen: 34.816 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.271 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

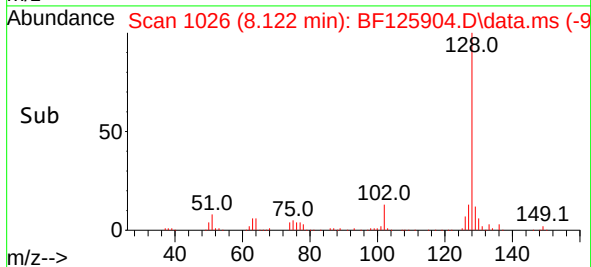
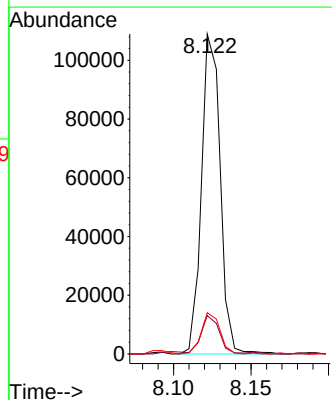
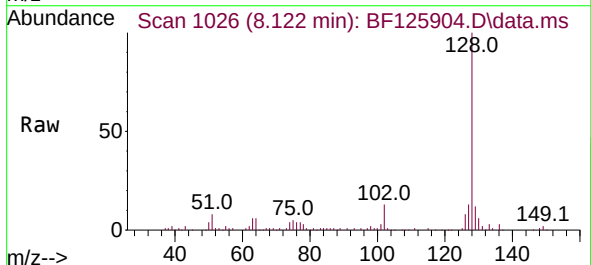
Instrument :
BNA_F
ClientSampled :
WC-2-CS

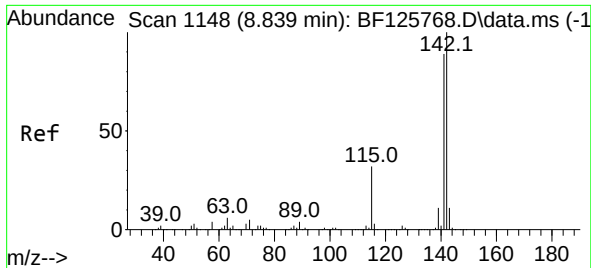
Tgt Ion: 82 Resp: 572173
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#31
Naphthalene
Concen: 3.289 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion: 128 Resp: 91709
Ion Ratio Lower Upper
128 100
129 12.0 9.4 14.0
127 12.9 10.9 16.3

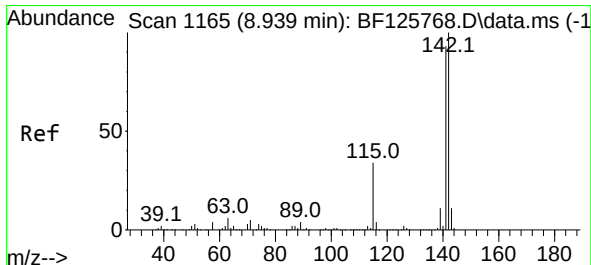
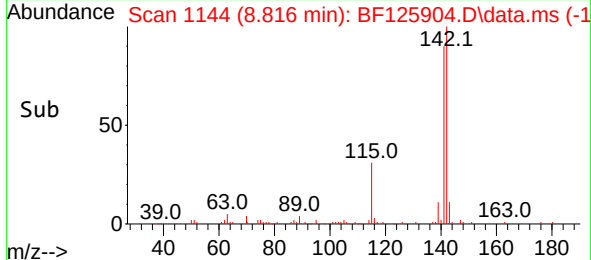
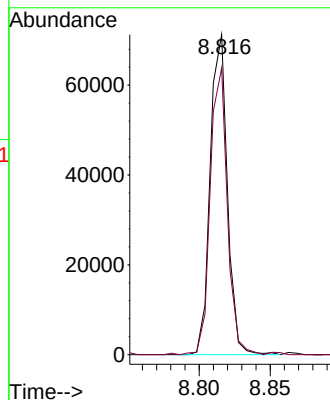
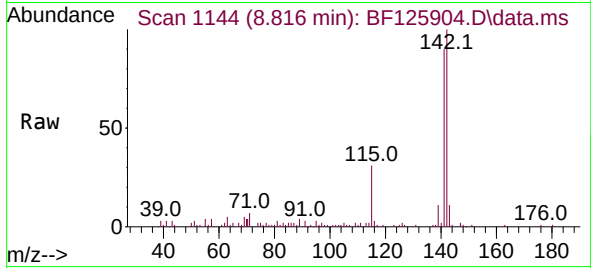




#37
2-Methylnaphthalene
Concen: 3.328 ng
RT: 8.816 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

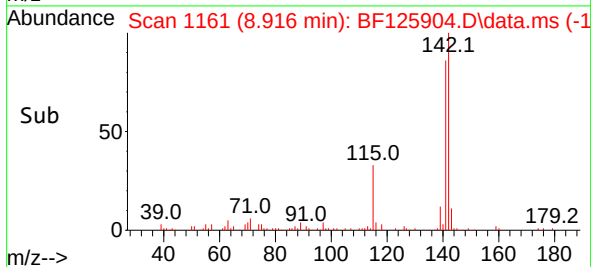
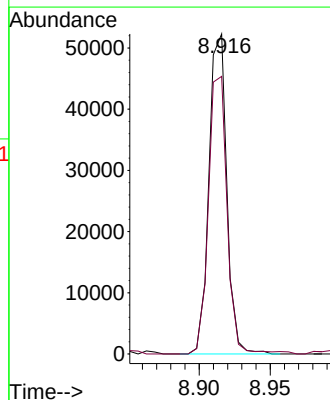
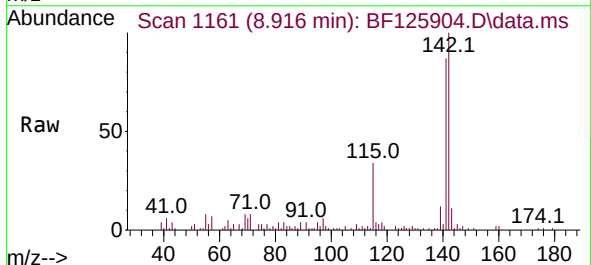
Instrument :
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ClientSampleId :
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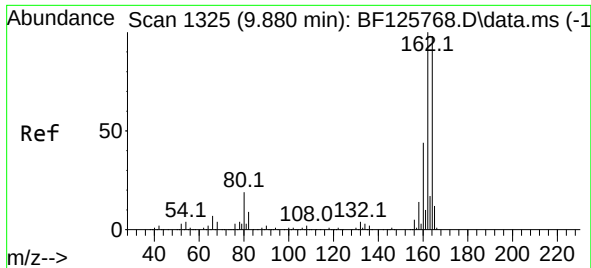
Tgt Ion:142 Resp: 60096
Ion Ratio Lower Upper
142 100
141 89.6 71.2 106.8



#38
1-Methylnaphthalene
Concen: 2.609 ng
RT: 8.916 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:142 Resp: 45719
Ion Ratio Lower Upper
142 100
141 86.8 76.0 114.0

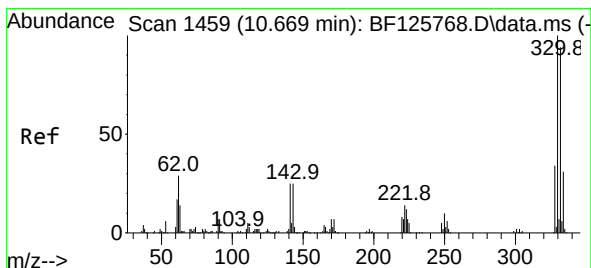
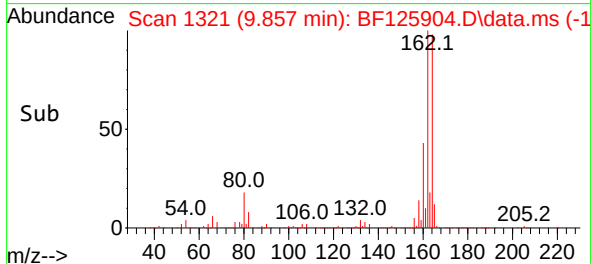
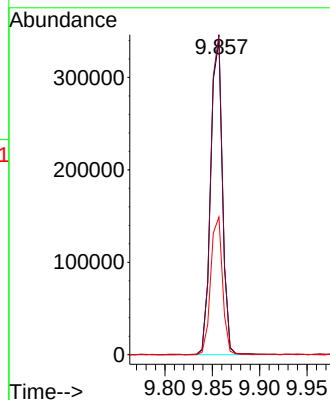
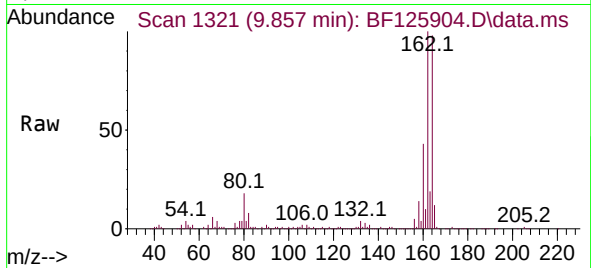




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

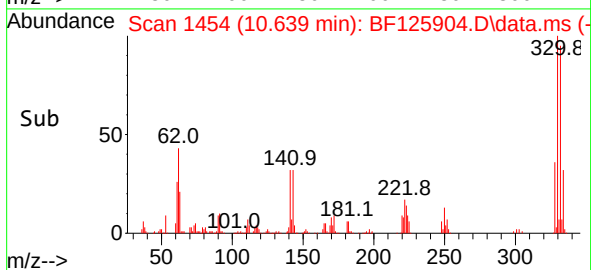
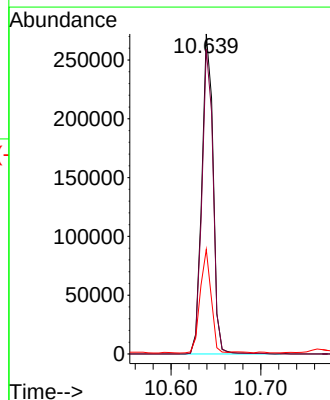
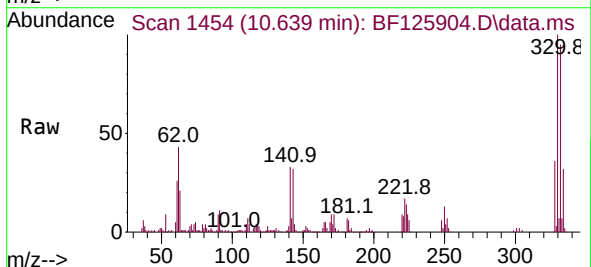
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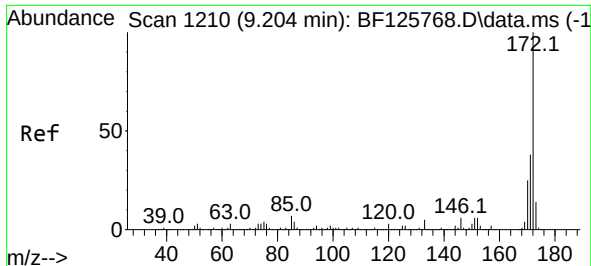
Tgt Ion:164 Resp: 292973
Ion Ratio Lower Upper
164 100
162 101.9 81.3 121.9
160 43.9 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 82.030 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:330 Resp: 237275
Ion Ratio Lower Upper
330 100
332 94.8 76.2 114.4
141 31.4 44.6 66.8#

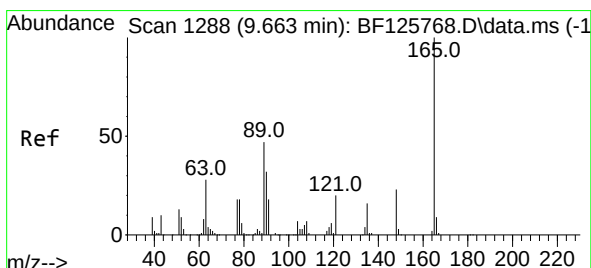
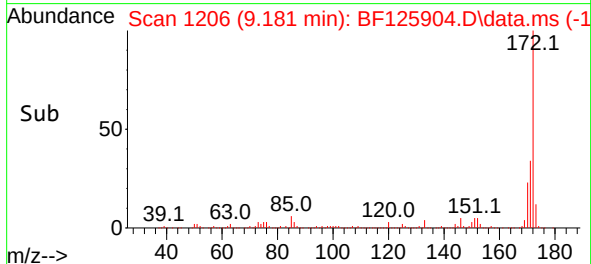
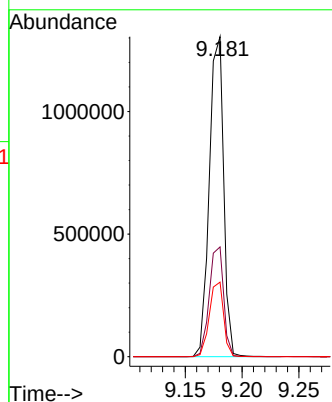
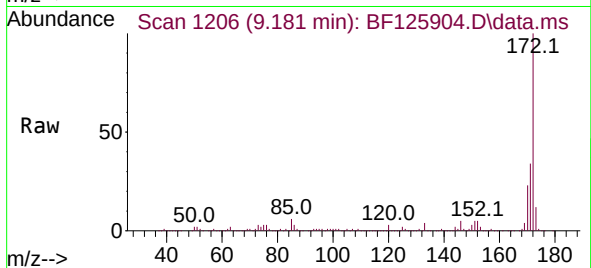




#45
2-Fluorobiphenyl
Concen: 67.227 ng
RT: 9.181 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

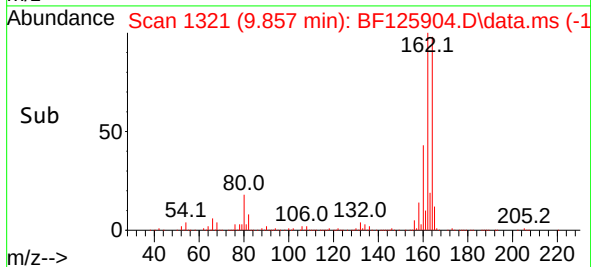
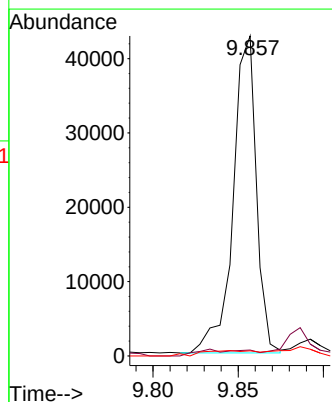
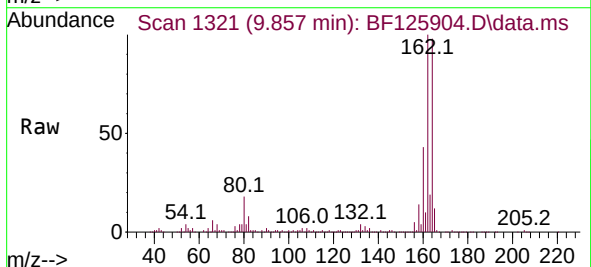
Instrument :
BNA_F
ClientSampled :
WC-2-CS

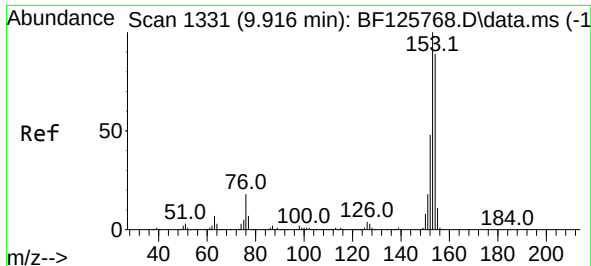
Tgt Ion:172 Resp: 1141893
Ion Ratio Lower Upper
172 100
171 34.3 26.5 39.7
170 23.3 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 10.376 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.218 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:165 Resp: 40448
Ion Ratio Lower Upper
165 100
63 1.9 42.6 63.8#
89 1.6 40.6 60.8#

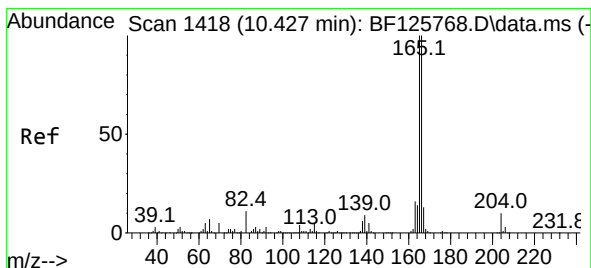
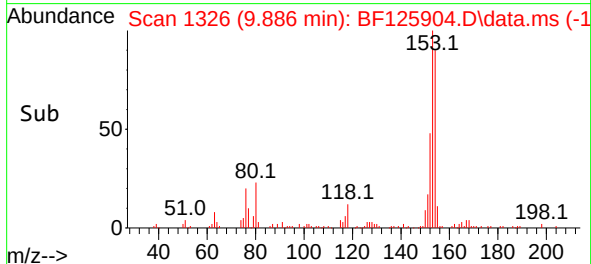
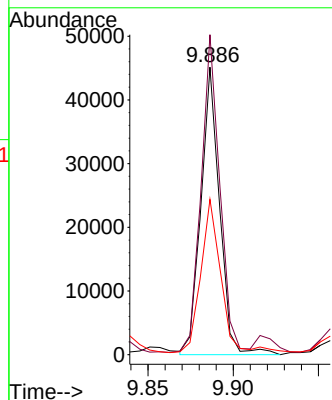
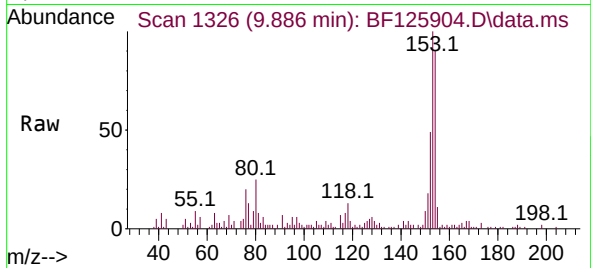




#52
Acenaphthene
Concen: 2.156 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

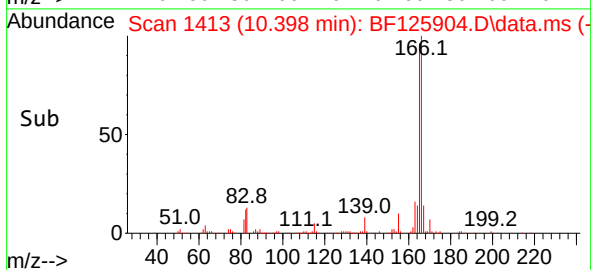
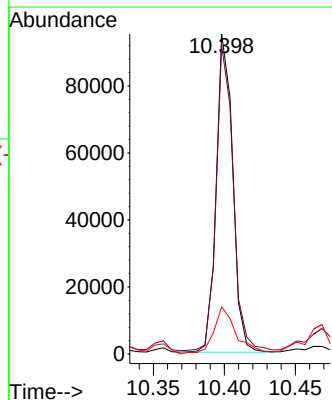
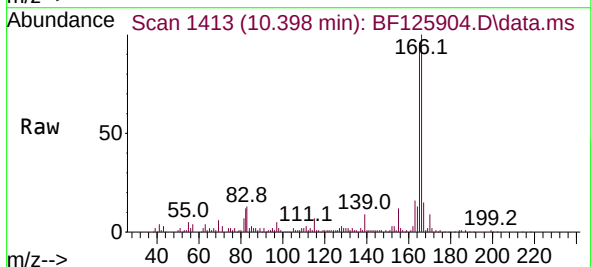
Instrument :
BNA_F
ClientSampleId :
WC-2-CS

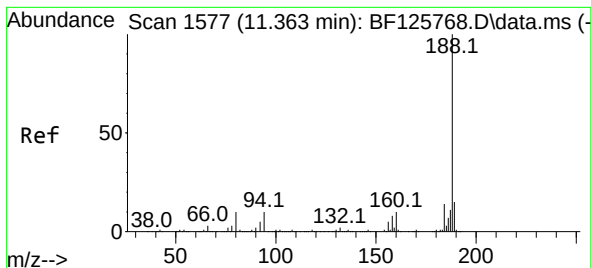
Tgt Ion:154 Resp: 34492
Ion Ratio Lower Upper
154 100
153 111.3 89.4 134.2
152 54.0 40.5 60.7



#58
Fluorene
Concen: 4.370 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:166 Resp: 76722
Ion Ratio Lower Upper
166 100
165 96.5 78.1 117.1
167 14.7 11.1 16.7

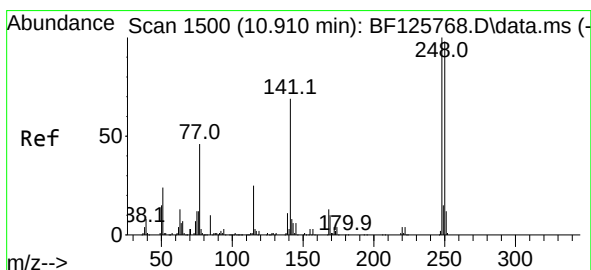
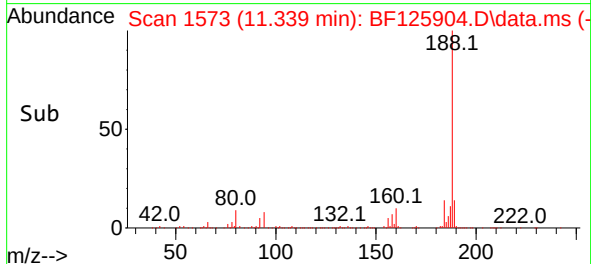
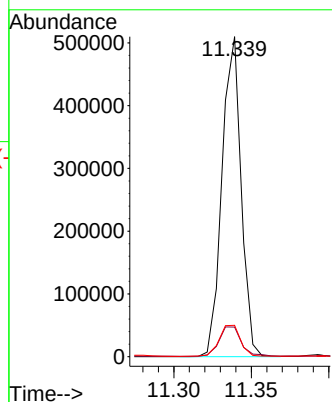
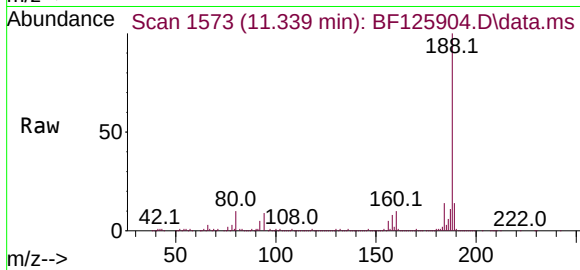




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

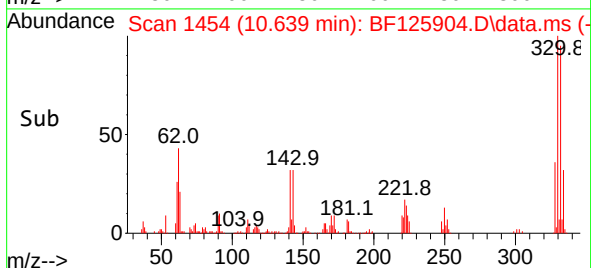
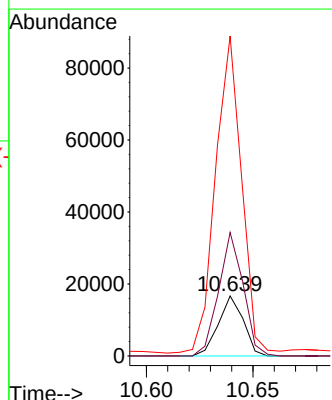
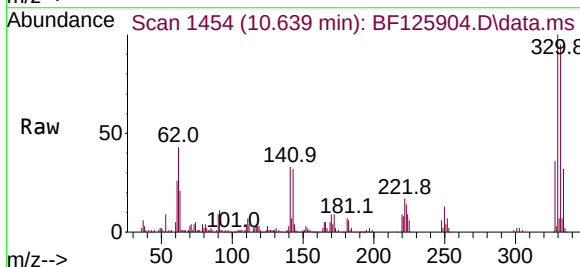
Instrument :
BNA_F
ClientSampled :
WC-2-CS

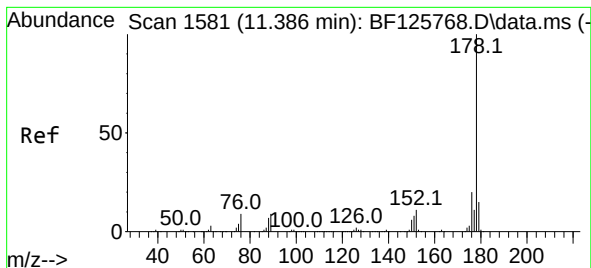
Tgt Ion:188 Resp: 437248
Ion Ratio Lower Upper
188 100
94 9.3 6.7 10.1
80 9.8 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 2.808 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:248 Resp: 13597
Ion Ratio Lower Upper
248 100
250 206.0 74.2 111.4#
141 533.6 60.4 90.6#

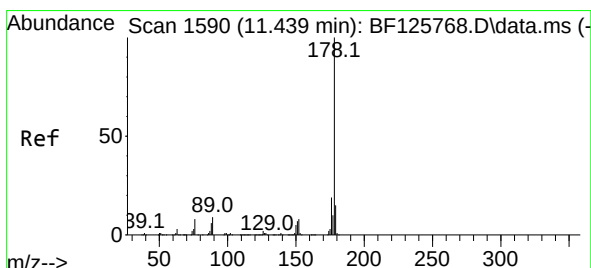
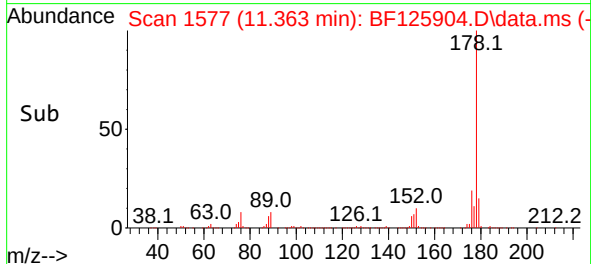
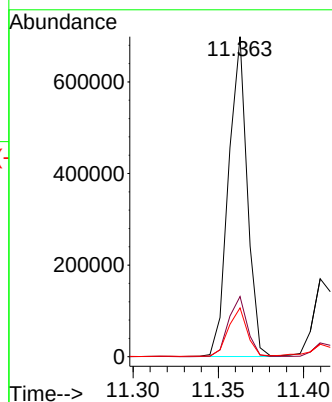
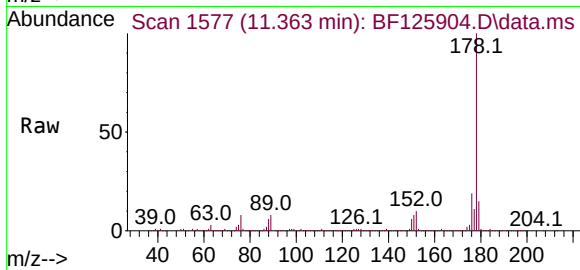




#71
Phenanthrene
Concen: 22.744 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

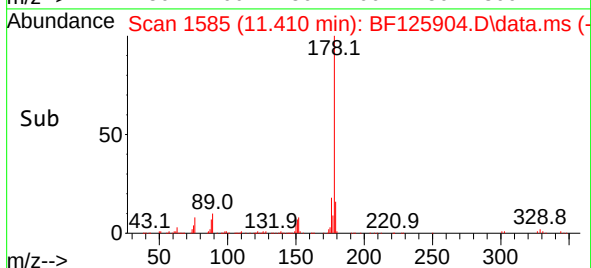
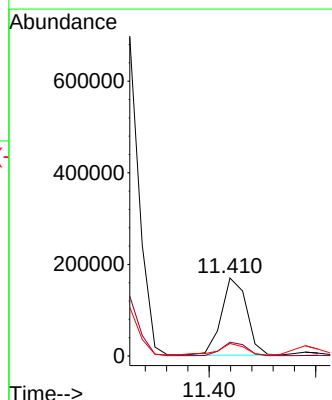
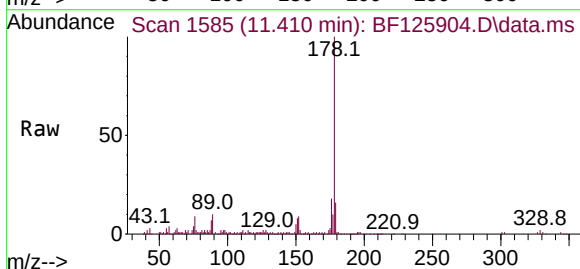
Instrument :
BNA_F
ClientSampled :
WC-2-CS

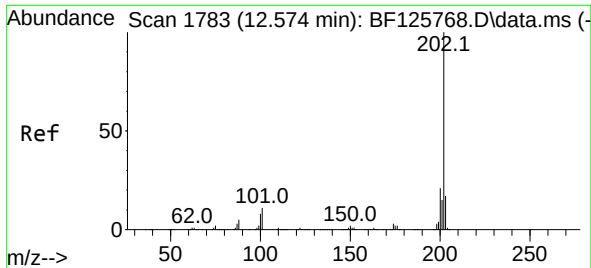
Tgt Ion:178 Resp: 532091
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.3 11.5 17.3



#72
Anthracene
Concen: 5.981 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:178 Resp: 139762
Ion Ratio Lower Upper
178 100
176 17.6 14.3 21.5
179 16.1 12.2 18.4

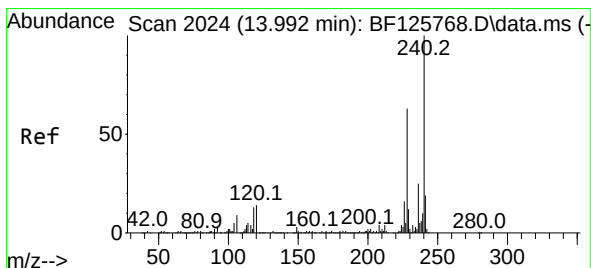
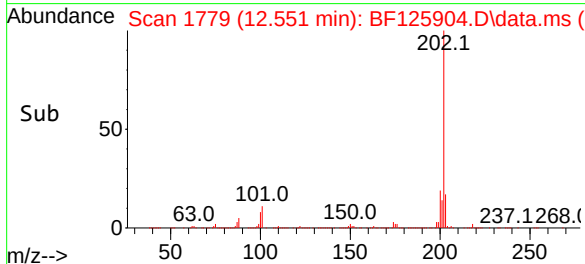
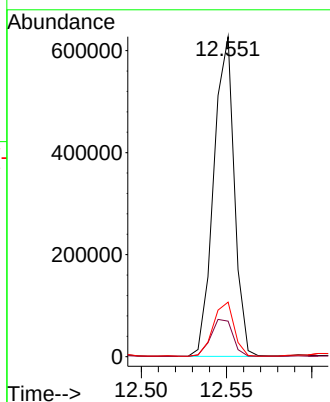
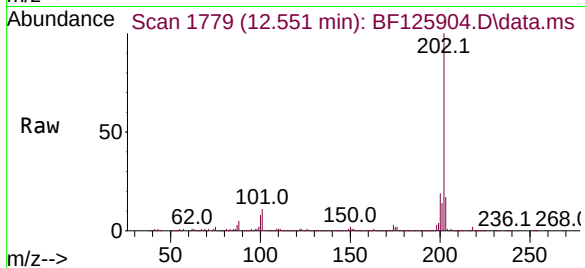




#75
Fluoranthene
Concen: 24.937 ng
RT: 12.551 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

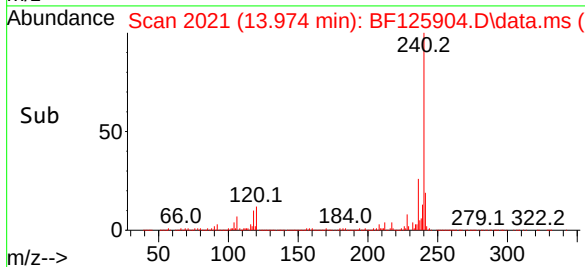
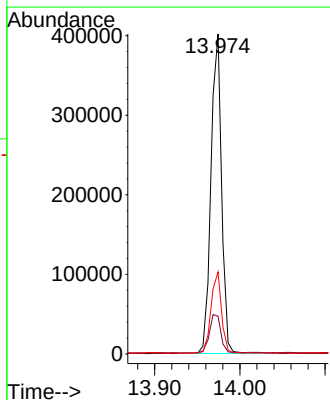
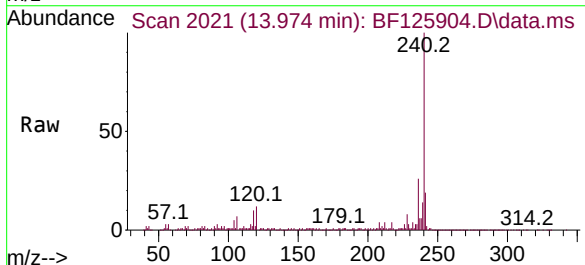
Instrument :
BNA_F
ClientSampled :
WC-2-CS

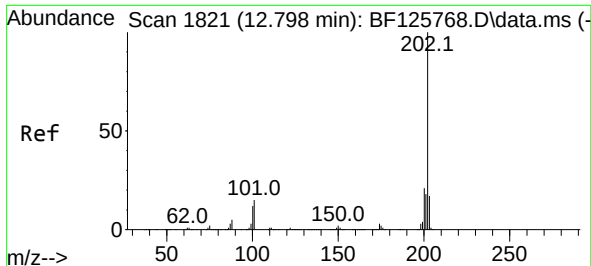
Tgt Ion:202 Resp: 526398
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.7
203 17.0 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:240 Resp: 347479
Ion Ratio Lower Upper
240 100
120 11.8 10.8 16.2
236 25.7 21.6 32.4

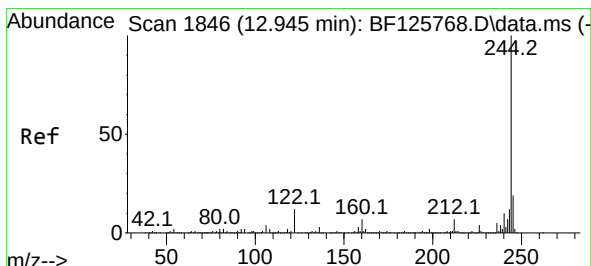
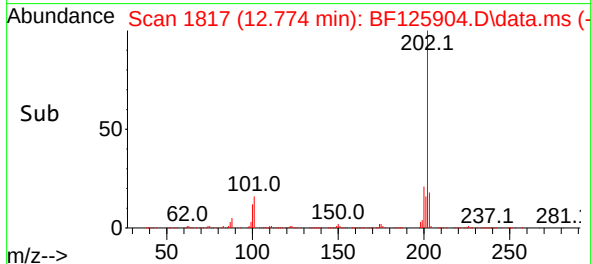
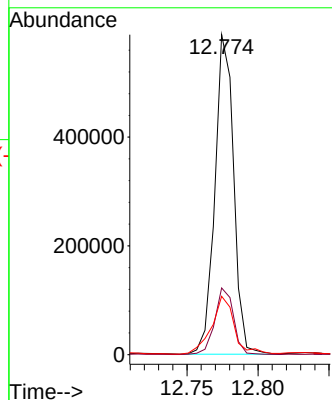
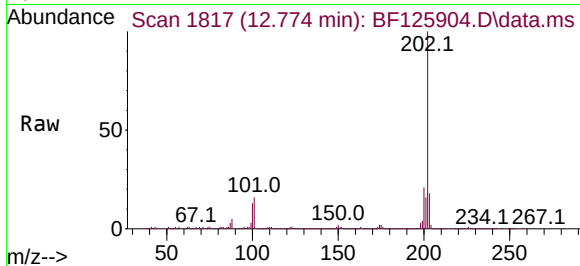




#78
Pyrene
Concen: 15.323 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

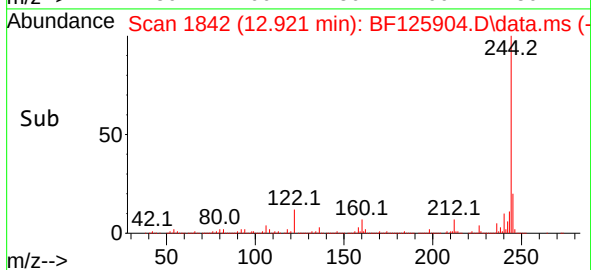
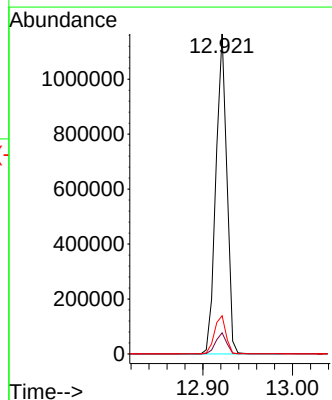
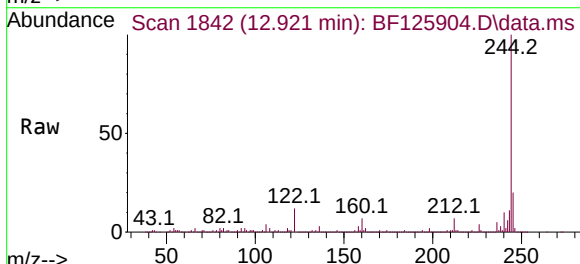
Instrument :
BNA_F
ClientSampleId :
WC-2-CS

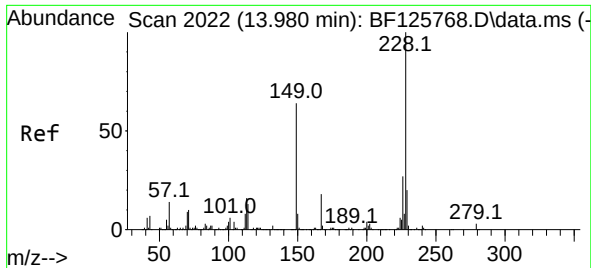
Tgt Ion:202 Resp: 540908
Ion Ratio Lower Upper
202 100
200 20.8 15.3 22.9
203 18.3 13.4 20.0



#79
Terphenyl-d14
Concen: 43.274 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:244 Resp: 987146
Ion Ratio Lower Upper
244 100
212 6.6 5.9 8.9
122 11.9 9.0 13.4

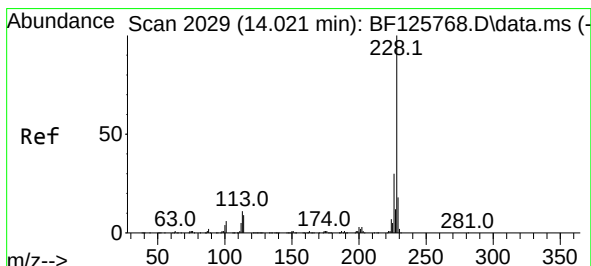
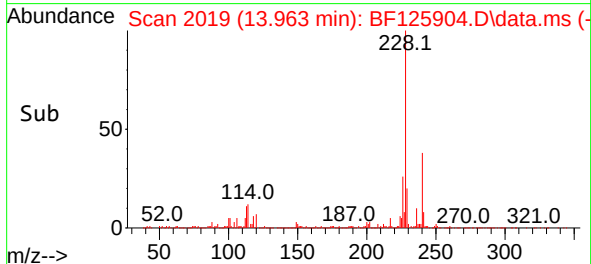
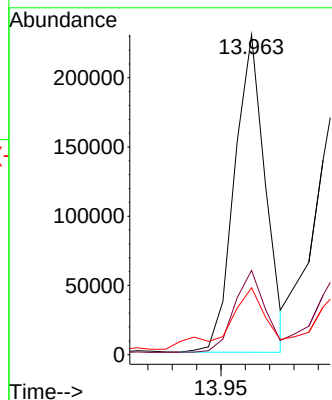
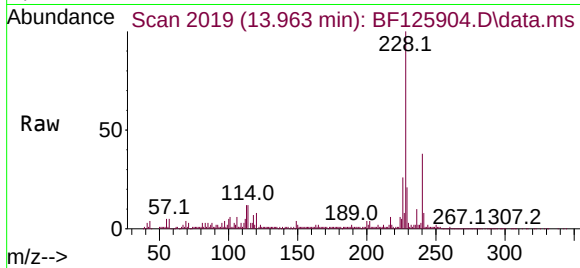




#81
Benzo(a)anthracene
Concen: 8.954 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

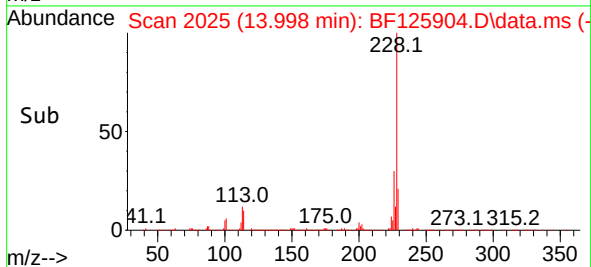
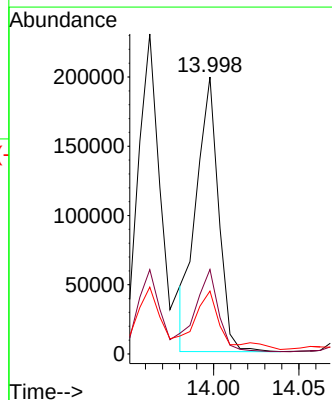
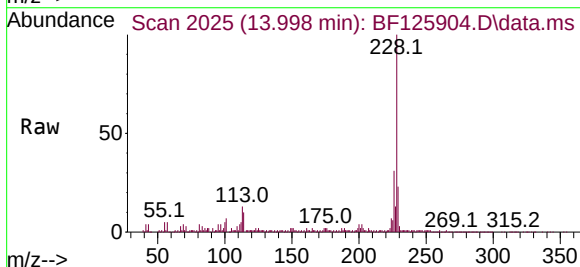
Instrument :
BNA_F
ClientSampled :
WC-2-CS

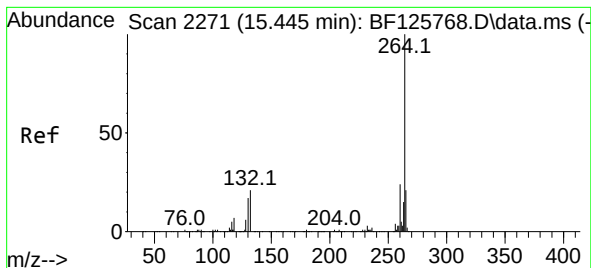
Tgt Ion:228 Resp: 201858
Ion Ratio Lower Upper
228 100
226 26.3 21.6 32.4
229 20.9 15.6 23.4



#83
Chrysene
Concen: 8.076 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:228 Resp: 179950
Ion Ratio Lower Upper
228 100
226 30.5 22.6 34.0
229 22.7 15.9 23.9

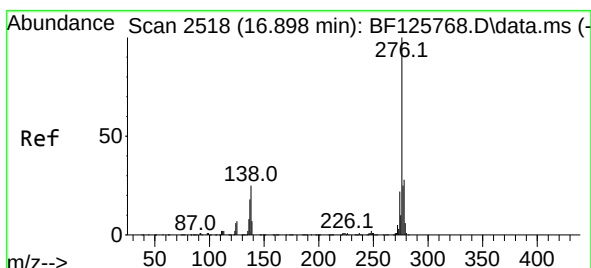
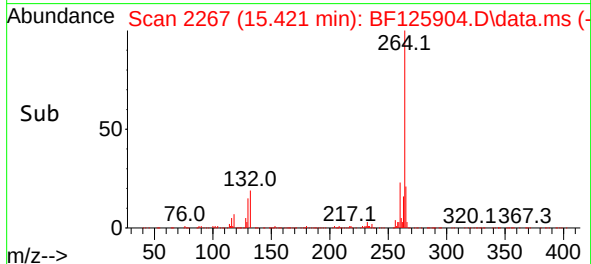
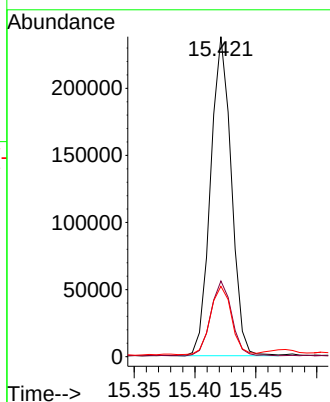
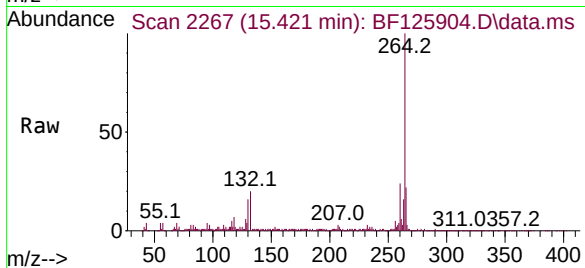




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

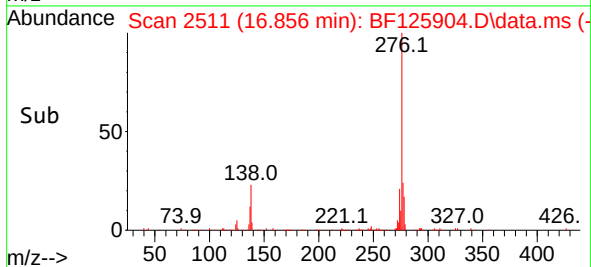
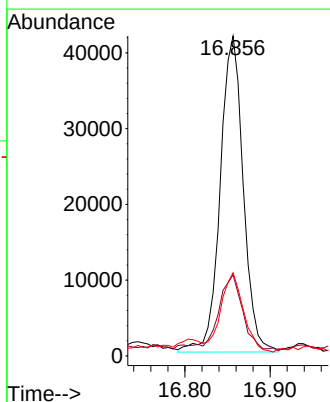
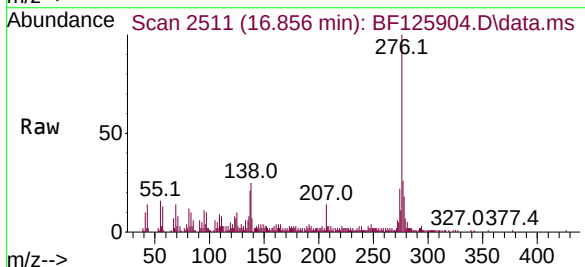
Instrument :
BNA_F
ClientSampled :
WC-2-CS

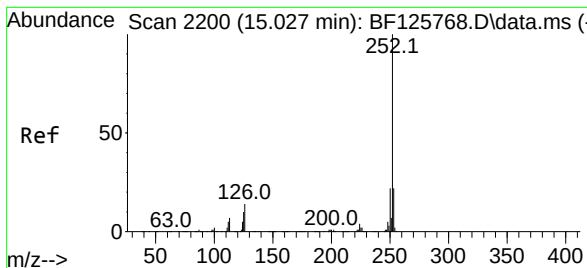
Tgt Ion:264 Resp: 281528
Ion Ratio Lower Upper
264 100
260 23.7 19.6 29.4
265 22.0 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.659 ng
RT: 16.856 min Scan# 2511
Delta R.T. -0.006 min
Lab File: BF125904.D
Acq: 19 Oct 2021 17:23

Tgt Ion:276 Resp: 78614
Ion Ratio Lower Upper
276 100
138 26.0 24.1 36.1
277 24.9 18.8 28.2





#88

Benzo(b)fluoranthene

Concen: 18.249 ng

RT: 15.004 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF125904.D

Acq: 19 Oct 2021 17:23

Tgt Ion:252 Resp: 290047

Ion Ratio Lower Upper

252 100

253 24.1 16.8 25.2

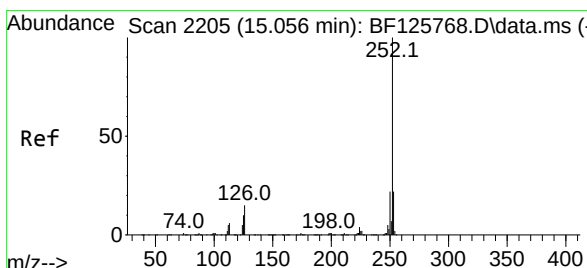
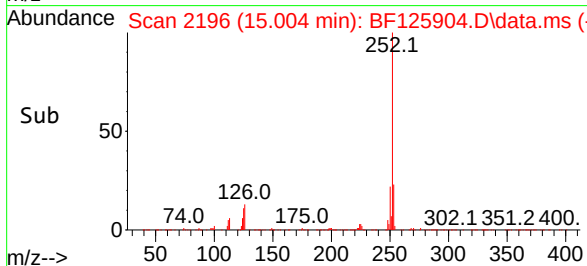
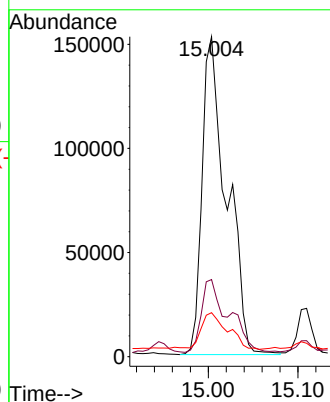
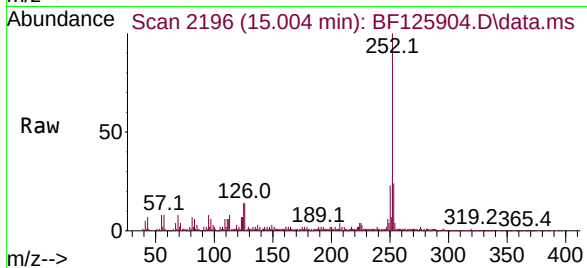
125 13.8 9.8 14.8

Instrument :

BNA_F

ClientSampled :

WC-2-CS



#89

Benzo(k)fluoranthene

Concen: 17.774 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.024 min

Lab File: BF125904.D

Acq: 19 Oct 2021 17:23

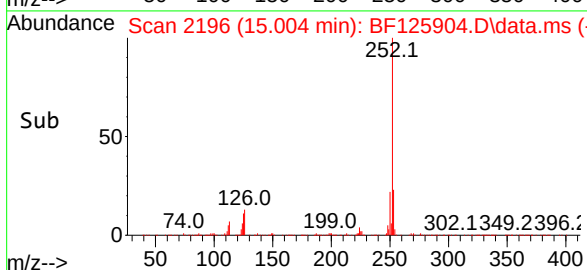
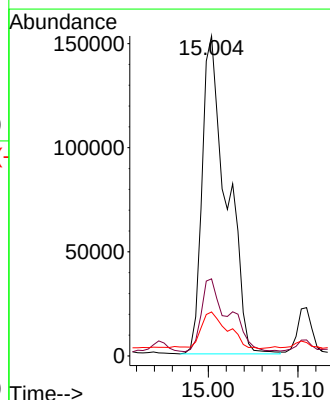
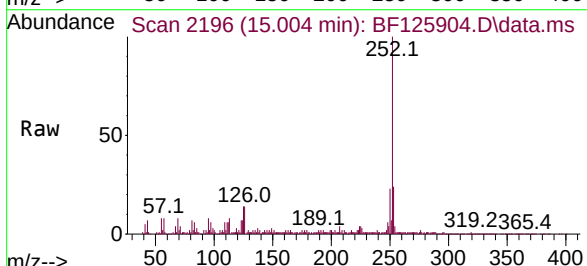
Tgt Ion:252 Resp: 290047

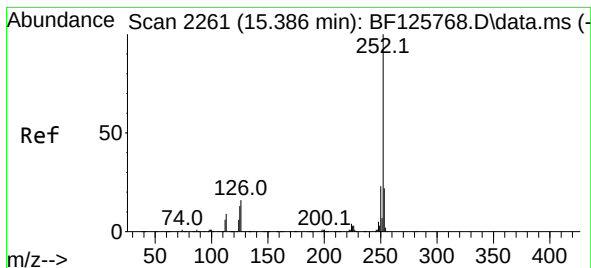
Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.8

125 13.8 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 11.016 ng

RT: 15.357 min Scan# 2256

Delta R.T. -0.006 min

Lab File: BF125904.D

Acq: 19 Oct 2021 17:23

Tgt Ion:252 Resp: 155058

Ion Ratio Lower Upper

252 100

253 24.1 18.4 27.6

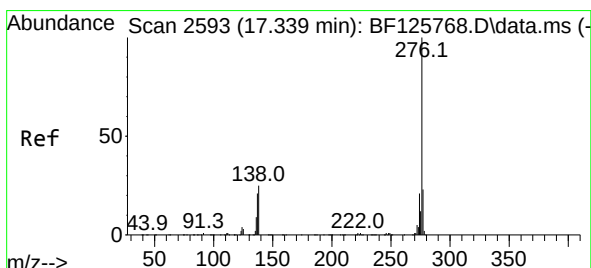
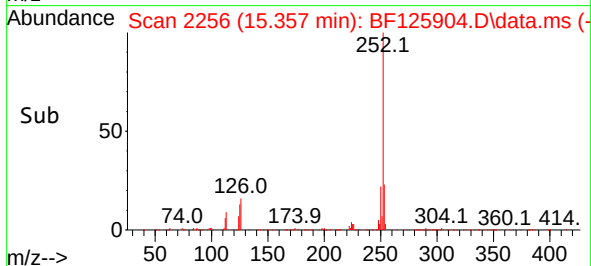
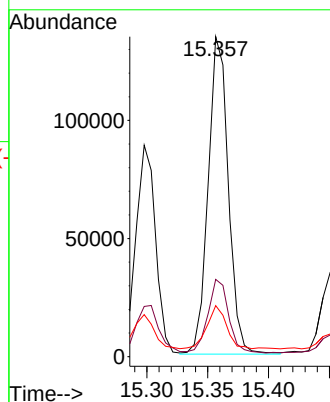
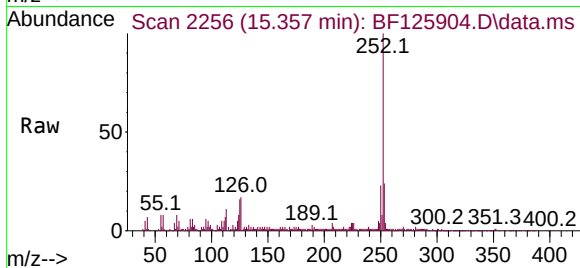
125 16.0 9.9 14.9#

Instrument :

BNA_F

ClientSampled :

WC-2-CS



#92

Benzo(g,h,i)perylene

Concen: 3.920 ng

RT: 17.286 min Scan# 2584

Delta R.T. -0.012 min

Lab File: BF125904.D

Acq: 19 Oct 2021 17:23

Tgt Ion:276 Resp: 70963

Ion Ratio Lower Upper

276 100

277 26.8 22.0 33.0

138 26.8 22.2 33.4

