

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101921\
 Data File : BF125907.D
 Acq On : 19 Oct 2021 19:00
 Operator : JU/CG
 Sample : M4259-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1-BS

Quant Time: Oct 20 09:29:12 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)

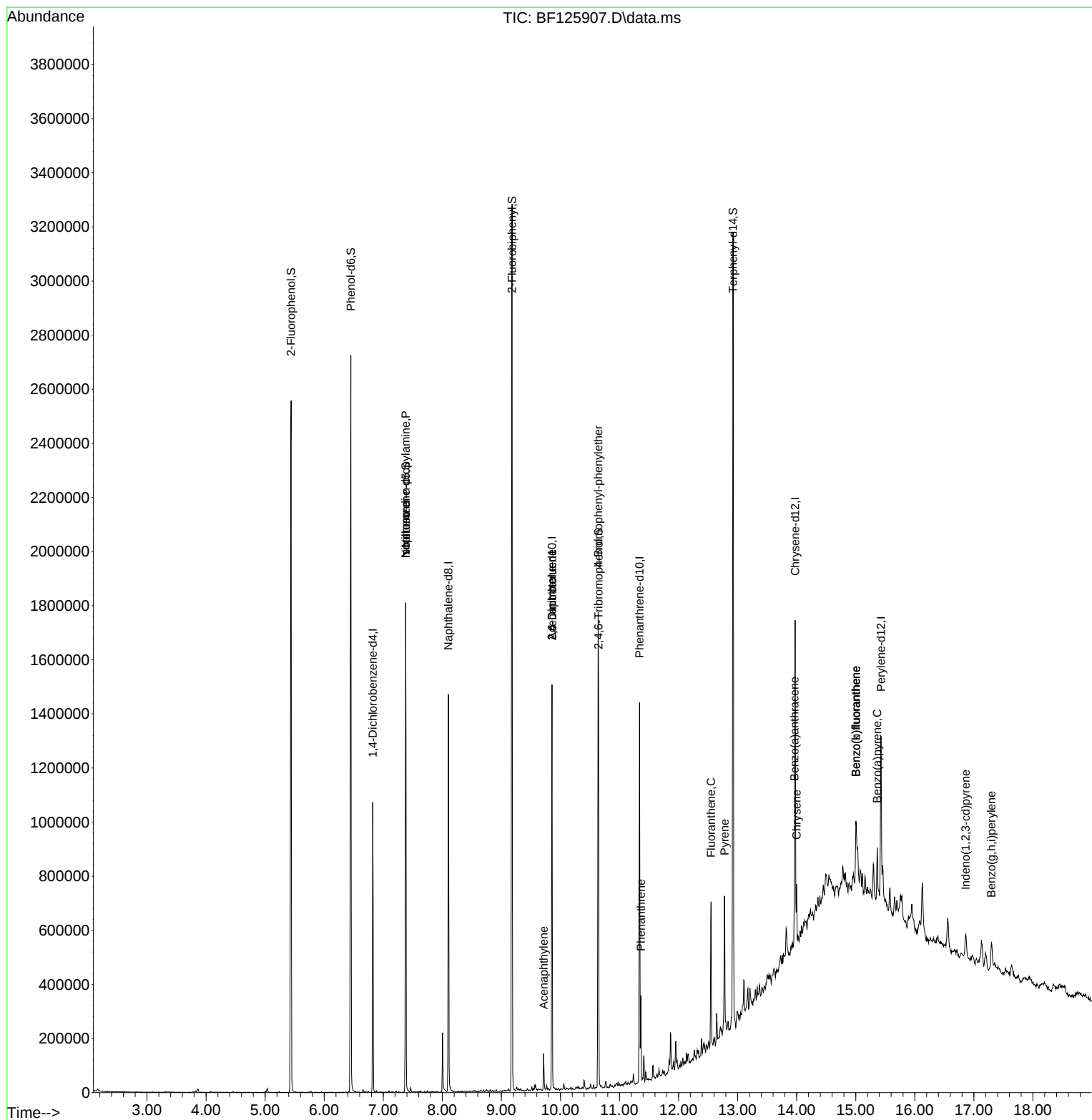
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	159616	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	616904	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	292549	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	474886	20.000	ng	0.00
76) Chrysene-d12	13.974	240	353846	20.000	ng	0.00
86) Perylene-d12	15.427	264	255262	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	820299	83.955	ng	0.00
7) Phenol-d6	6.451	99	978799	77.818	ng	0.00
23) Nitrobenzene-d5	7.381	82	556648	56.089	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	225637	78.119	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1045556	61.644	ng	0.00
79) Terphenyl-d14	12.921	244	1005449	43.283	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	69766	10.507	ng	# 51
25) Isophorone	7.381	82	554766	31.552	ng	# 59
49) Acenaphthylene	9.716	152	54251	2.121	ng	99
51) 2,6-Dinitrotoluene	9.857	165	37383	9.603	ng	# 27
57) 2,4-Dinitrotoluene	9.857	165	37383	7.595	ng	# 19
67) 4-Bromophenyl-phenylether	10.639	248	12928	2.458	ng	# 1
71) Phenanthrene	11.363	178	106919	4.208	ng	99
75) Fluoranthene	12.551	202	210997	9.203	ng	98
78) Pyrene	12.780	202	215200	5.986	ng	98
81) Benzo(a)anthracene	13.962	228	104374	4.546	ng	# 85
83) Chrysene	13.998	228	89042	3.924	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.862	276	55153	2.831	ng	95
88) Benzo(b)fluoranthene	15.004	252	146430	10.161	ng	# 80
89) Benzo(k)fluoranthene	15.004	252	146430	9.896	ng	# 79
90) Benzo(a)pyrene	15.362	252	85043	6.664	ng	# 92
92) Benzo(g,h,i)perylene	17.298	276	79267	4.830	ng	98

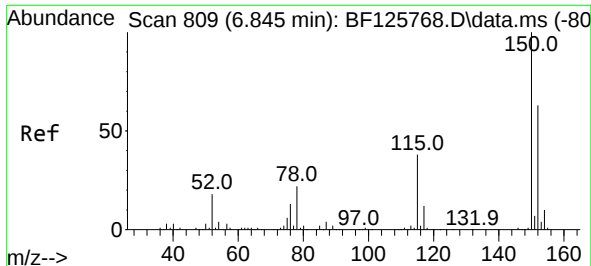
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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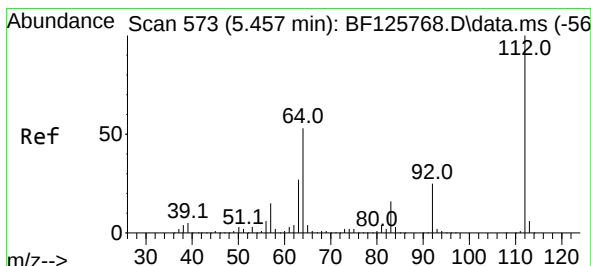
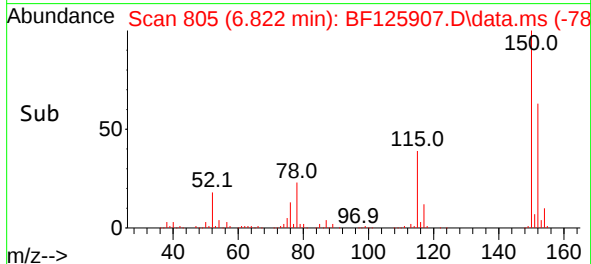
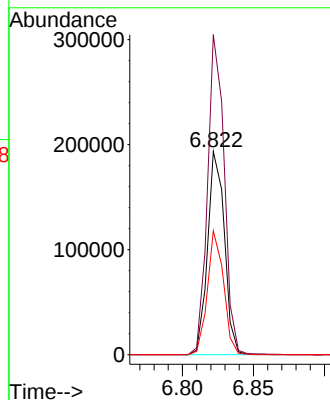
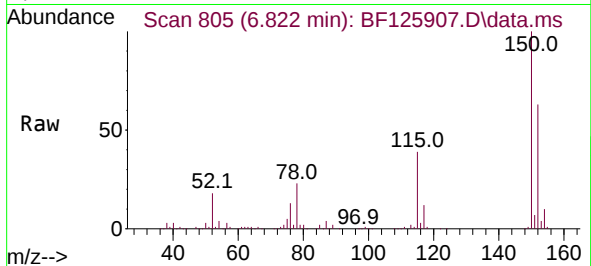




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

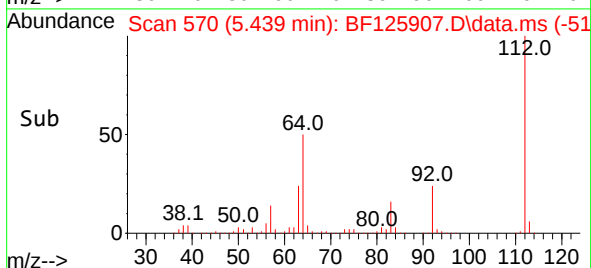
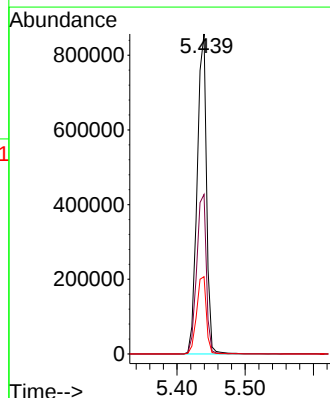
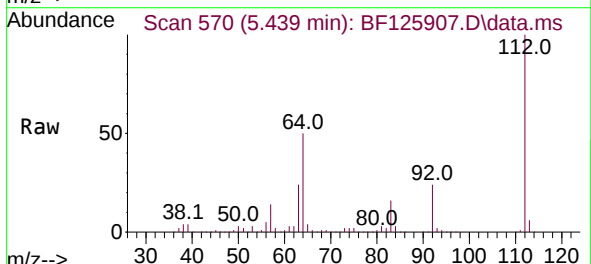
Instrument :
BNA_F
ClientSampleId :
WC-1-BS

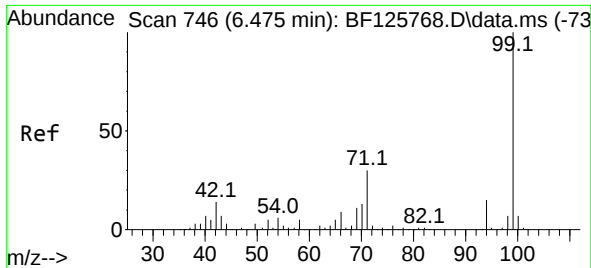
Tgt Ion:152 Resp: 159616
Ion Ratio Lower Upper
152 100
150 157.5 117.6 176.4
115 60.9 47.1 70.7



#5
2-Fluorophenol
Concen: 83.955 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.000 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

Tgt Ion:112 Resp: 820299
Ion Ratio Lower Upper
112 100
64 49.8 44.2 66.2
63 24.1 26.2 39.2#

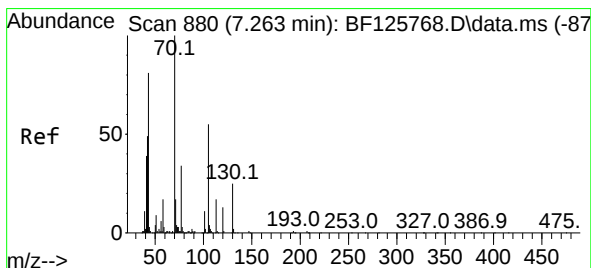
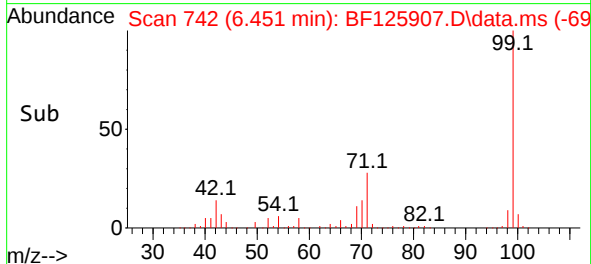
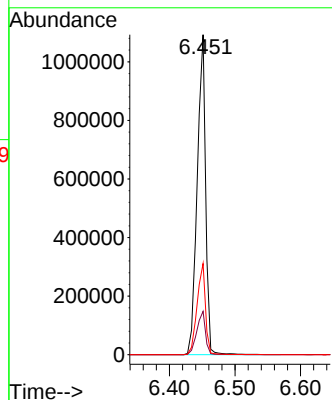
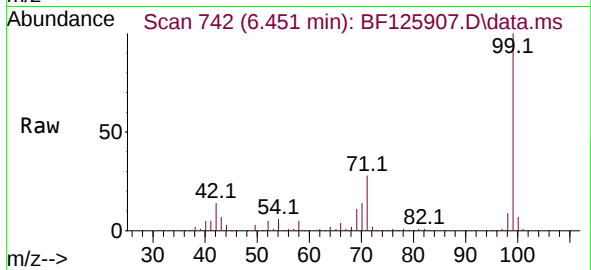




#7
Phenol-d6
Concen: 77.818 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

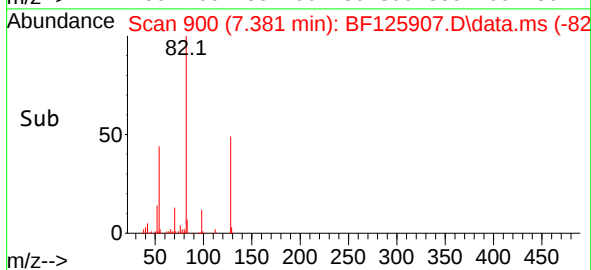
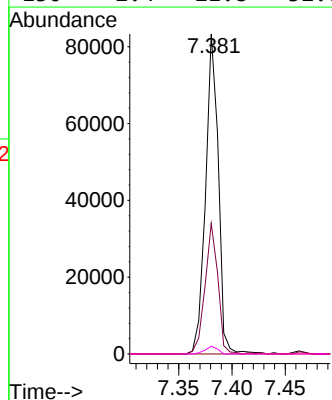
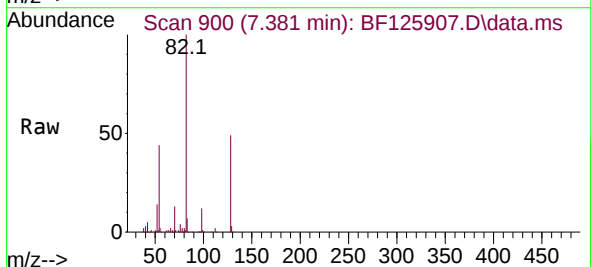
Instrument :
BNA_F
ClientSampleId :
WC-1-BS

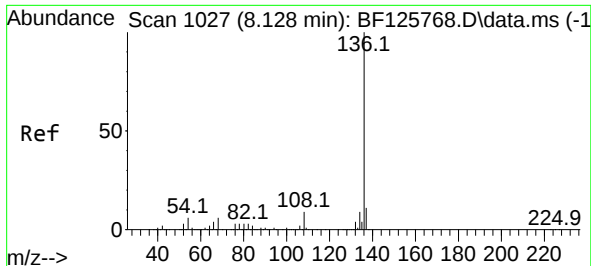
Tgt Ion: 99 Resp: 978799
Ion Ratio Lower Upper
99 100
42 13.5 23.5 35.3#
71 28.5 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.507 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

Tgt Ion: 70 Resp: 69766
Ion Ratio Lower Upper
70 100
42 40.8 72.2 108.2#
101 0.0 7.8 11.8#
130 2.4 21.8 32.6#

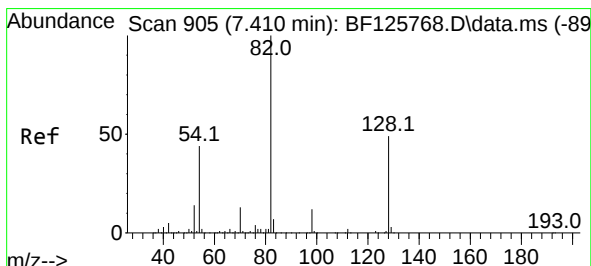
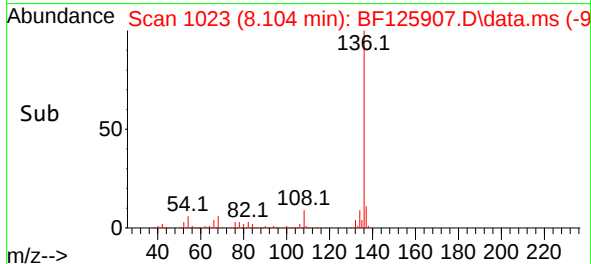
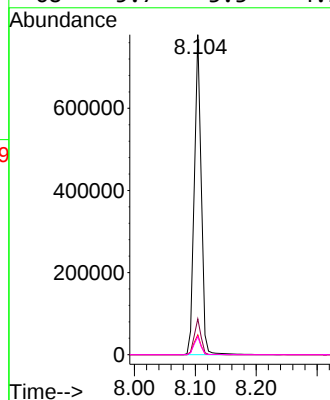
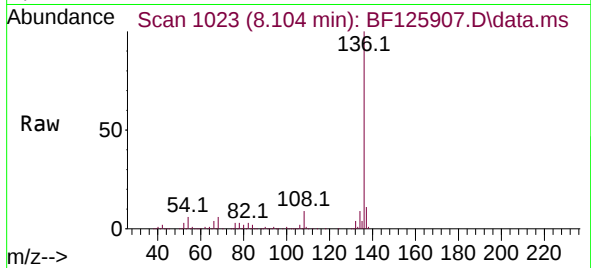




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

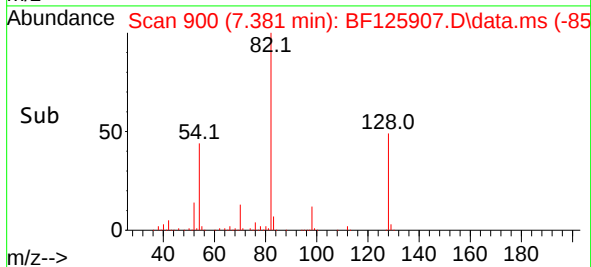
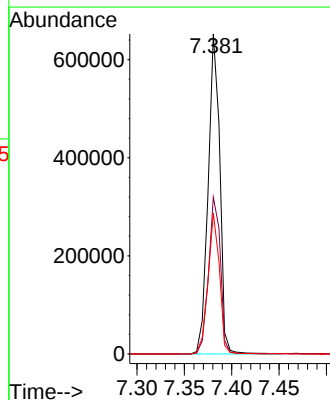
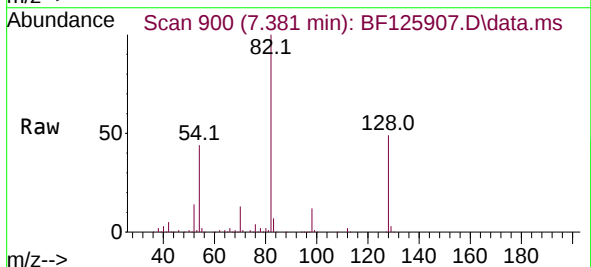
Instrument :
BNA_F
ClientSampleId :
WC-1-BS

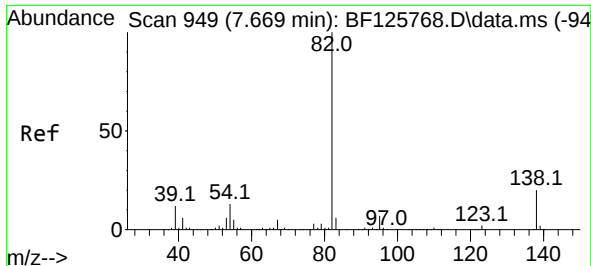
Tgt Ion:136	Resp: 616904
Ion Ratio	Lower Upper
136 100	
137 11.2	9.8 14.6
54 6.2	6.4 9.6#
68 5.7	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 56.089 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

Tgt Ion: 82	Resp: 556648
Ion Ratio	Lower Upper
82 100	
128 49.0	40.6 60.8
54 44.0	49.6 74.4#

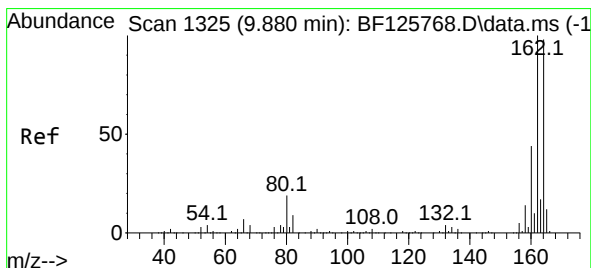
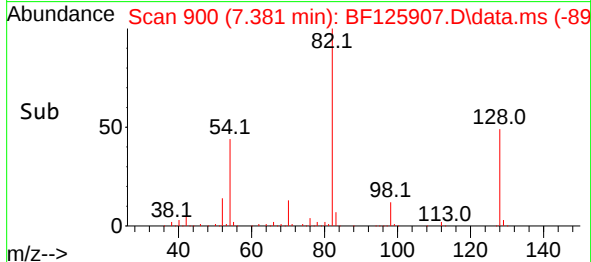
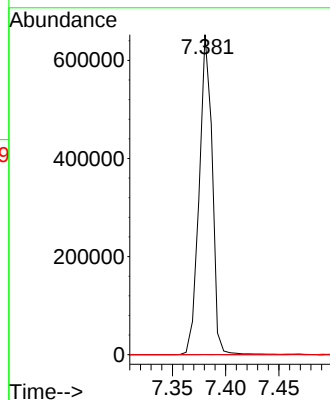
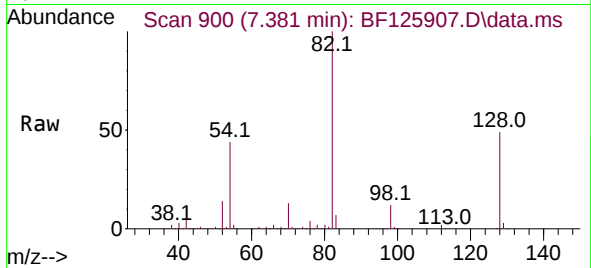




#25
Isophorone
Concen: 31.552 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.271 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

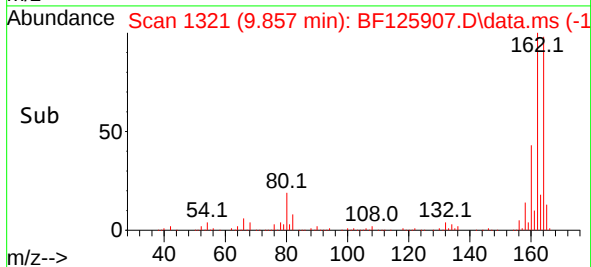
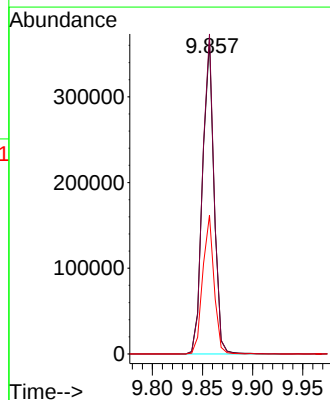
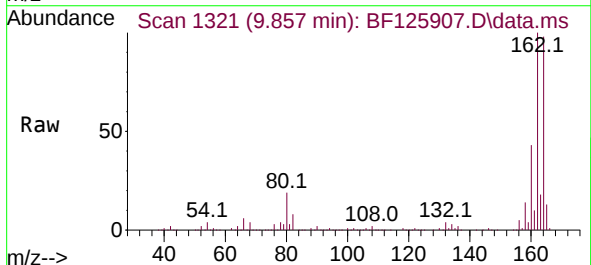
Instrument :
BNA_F
ClientSampleId :
WC-1-BS

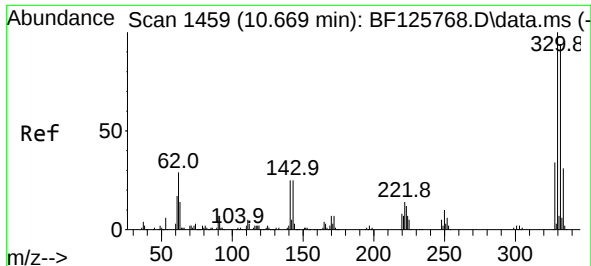
Tgt Ion: 82 Resp: 554766
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

Tgt Ion: 164 Resp: 292549
Ion Ratio Lower Upper
164 100
162 102.1 81.3 121.9
160 44.3 38.0 57.0

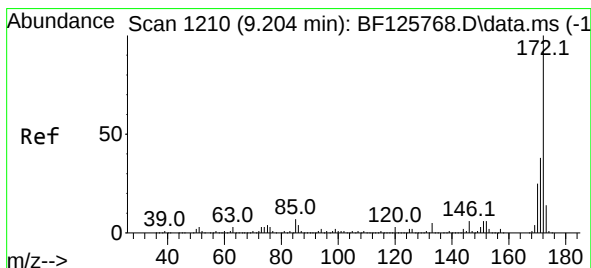
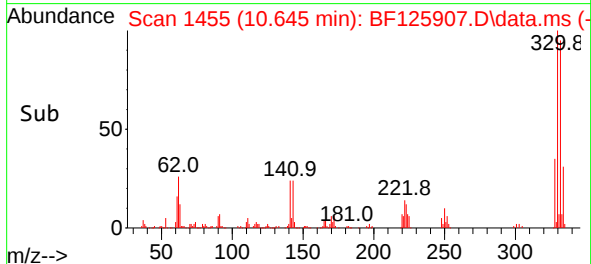
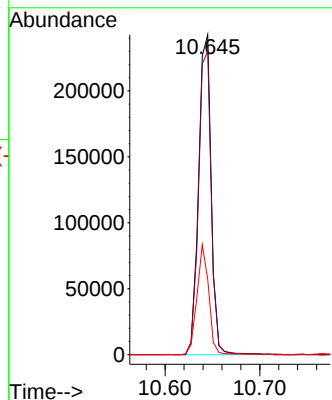
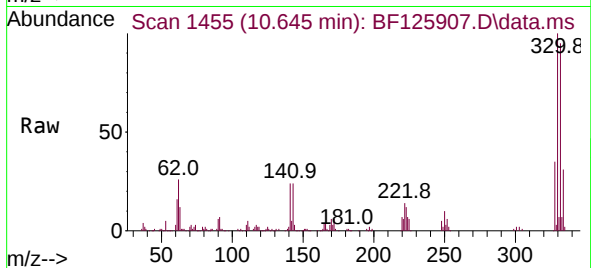




#42
2,4,6-Tribromophenol
Concen: 78.119 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

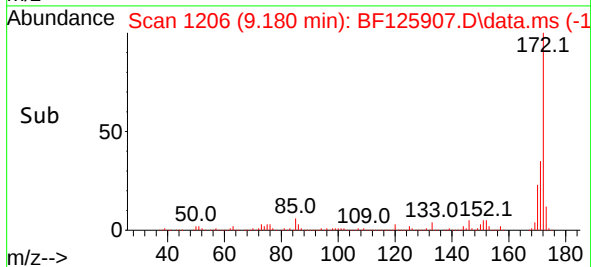
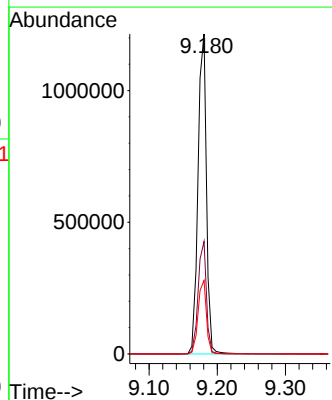
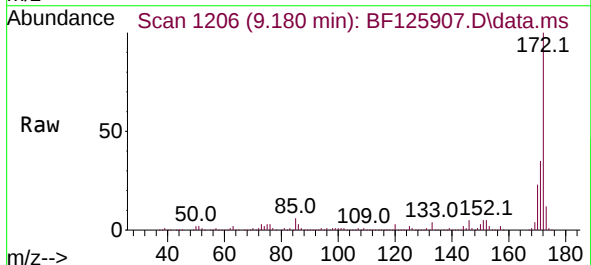
Instrument :
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ClientSampleId :
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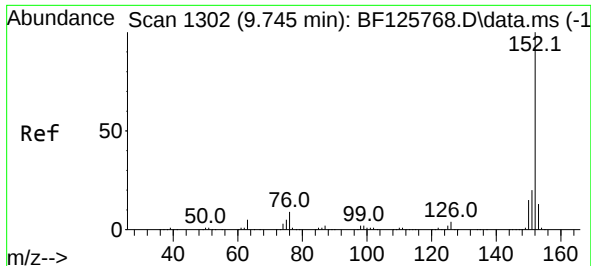
Tgt Ion: 330 Resp: 225637
Ion Ratio Lower Upper
330 100
332 95.8 76.2 114.4
141 32.3 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 61.644 ng
RT: 9.180 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

Tgt Ion: 172 Resp: 1045556
Ion Ratio Lower Upper
172 100
171 35.1 26.5 39.7
170 23.0 18.8 28.2





#49

Acenaphthylene

Concen: 2.121 ng

RT: 9.716 min Scan# 1297

Delta R.T. -0.006 min

Lab File: BF125907.D

Acq: 19 Oct 2021 19:00

Tgt Ion:152 Resp: 54251

Ion Ratio Lower Upper

152 100

151 19.3 15.7 23.5

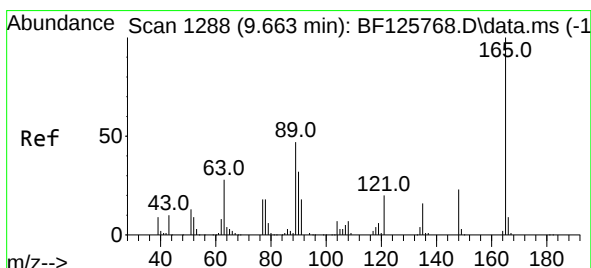
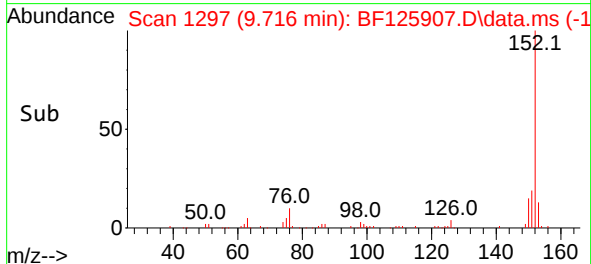
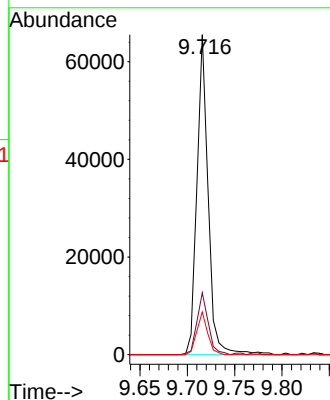
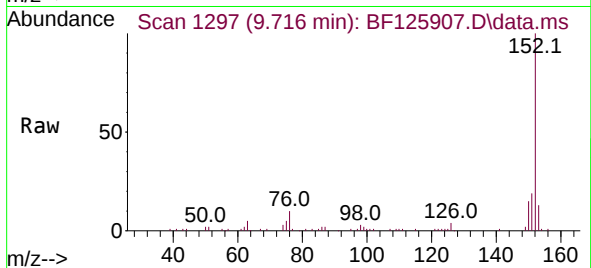
153 13.4 9.8 14.8

Instrument :

BNA_F

ClientSampleId :

WC-1-BS



#51

2,6-Dinitrotoluene

Concen: 9.603 ng

RT: 9.857 min Scan# 1321

Delta R.T. 0.218 min

Lab File: BF125907.D

Acq: 19 Oct 2021 19:00

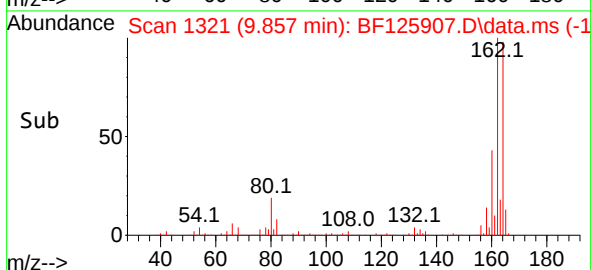
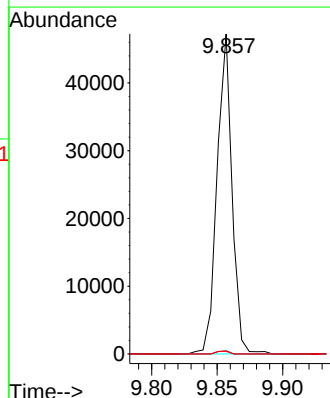
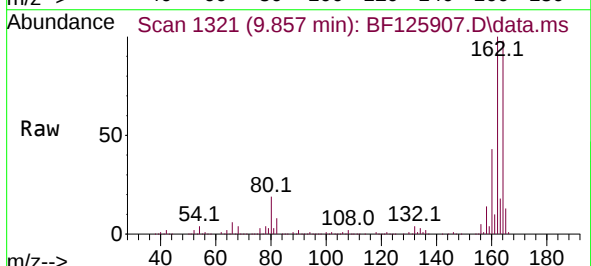
Tgt Ion:165 Resp: 37383

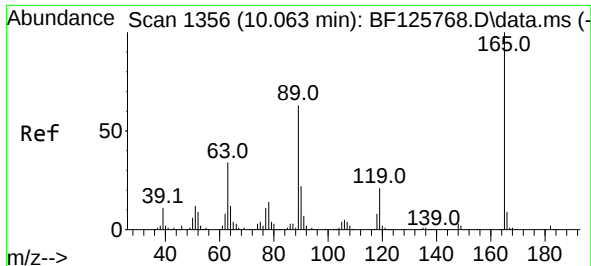
Ion Ratio Lower Upper

165 100

63 1.0 42.6 63.8#

89 0.8 40.6 60.8#

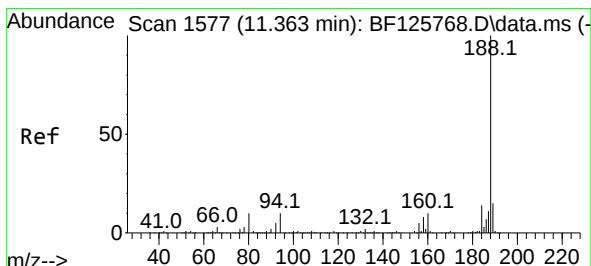
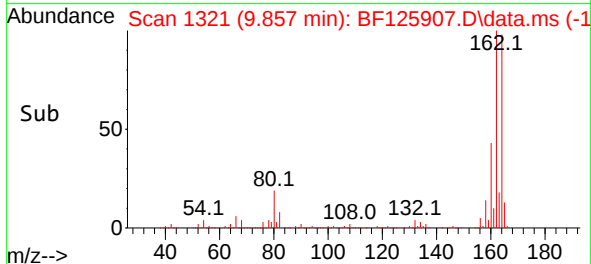
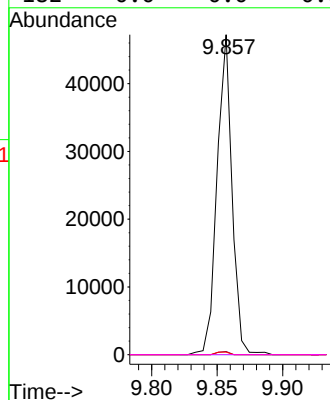
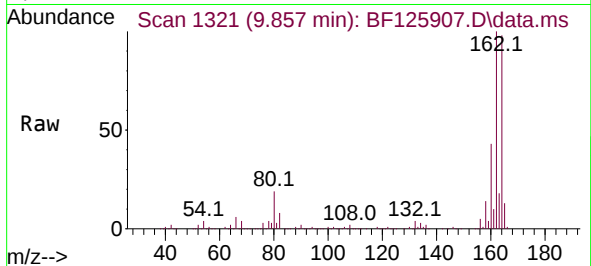




#57
2,4-Dinitrotoluene
Concen: 7.595 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.188 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

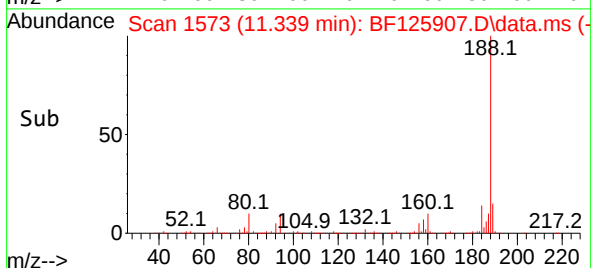
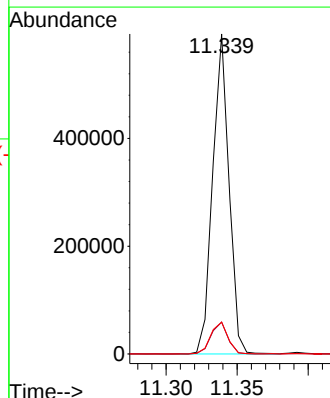
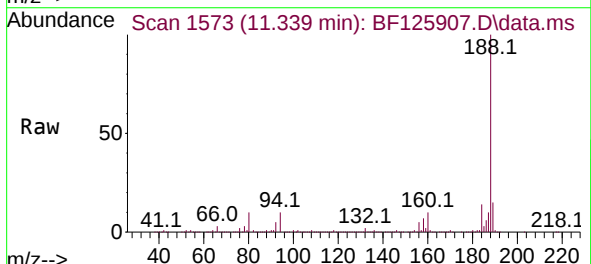
Instrument :
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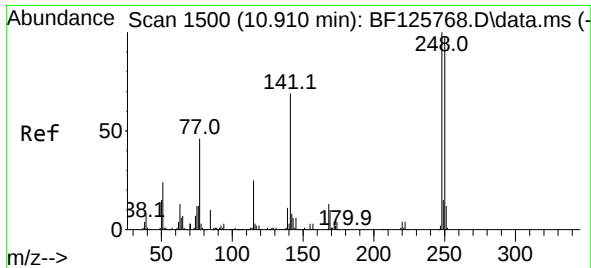
Tgt Ion:165	Resp:	37383
Ion Ratio	Lower	Upper
165	100	
63	1.0	40.9 61.3#
89	0.8	59.7 89.5#
182	0.0	0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

Tgt Ion:188	Resp:	474886
Ion Ratio	Lower	Upper
188	100	
94	9.9	6.7 10.1
80	10.0	7.5 11.3

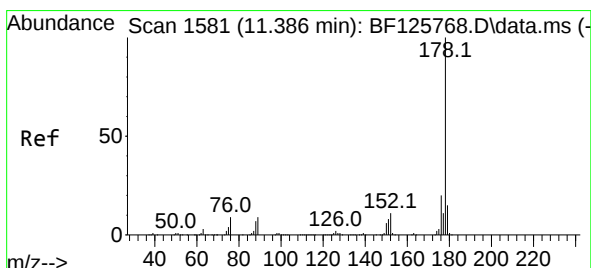
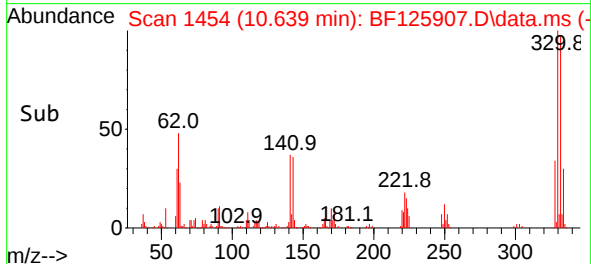
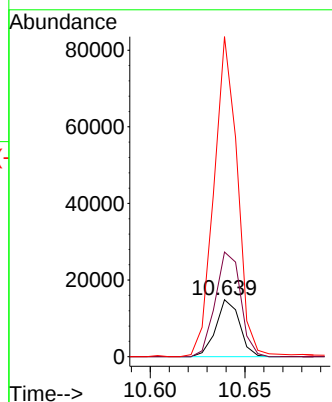
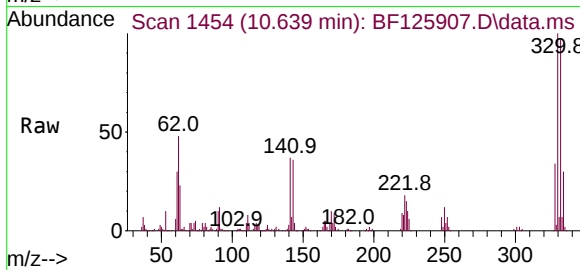




#67
4-Bromophenyl-phenylether
Concen: 2.458 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

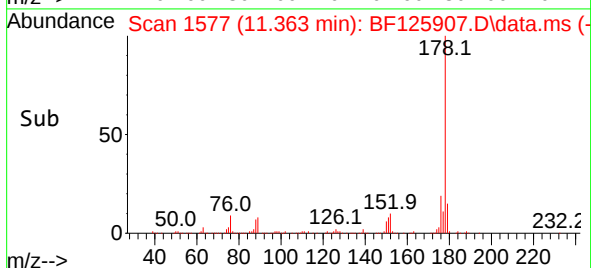
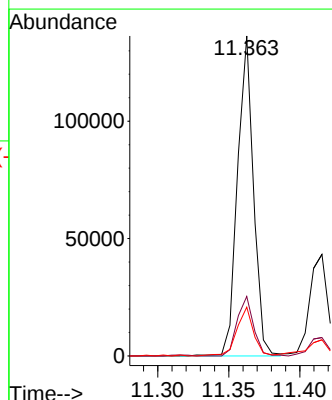
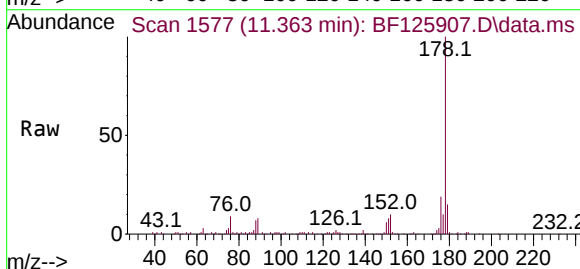
Instrument :
BNA_F
ClientSampleId :
WC-1-BS

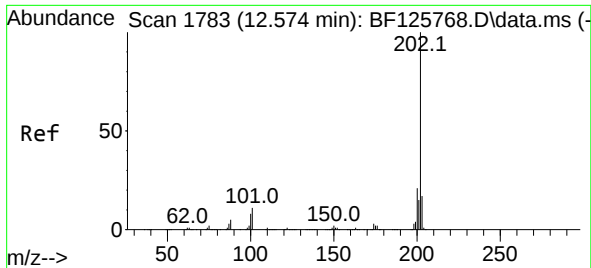
Tgt Ion:248 Resp: 12928
Ion Ratio Lower Upper
248 100
250 183.8 74.2 111.4#
141 562.5 60.4 90.6#



#71
Phenanthrene
Concen: 4.208 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

Tgt Ion:178 Resp: 106919
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.3 11.5 17.3

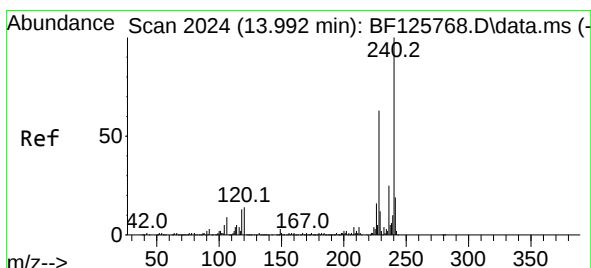
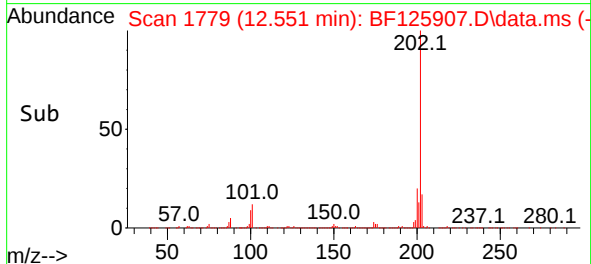
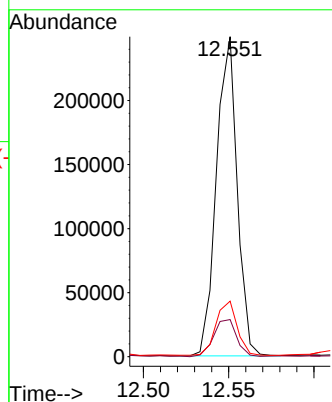
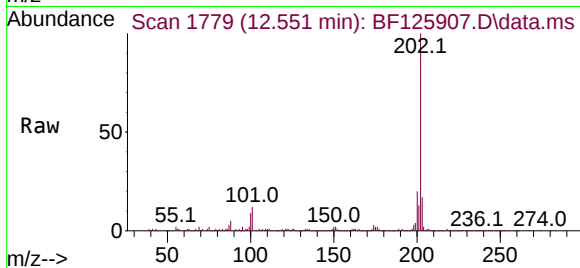




#75
Fluoranthene
Concen: 9.203 ng
RT: 12.551 min Scan# 1779
Delta R.T. -0.000 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

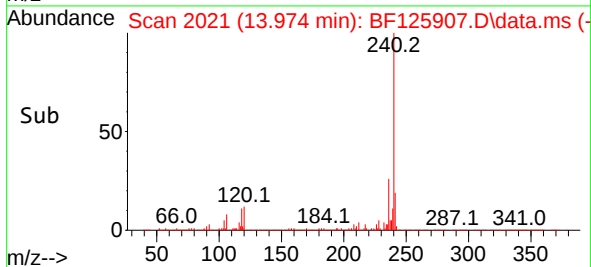
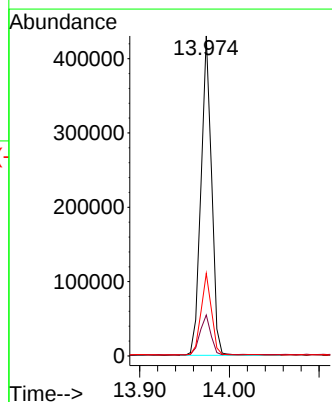
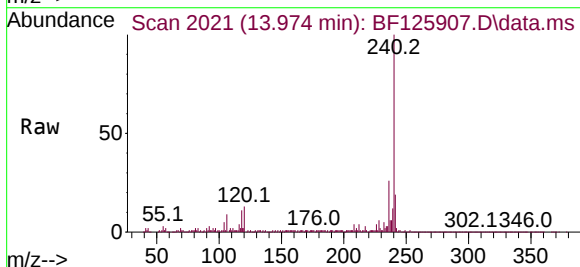
Instrument :
BNA_F
ClientSampleId :
WC-1-BS

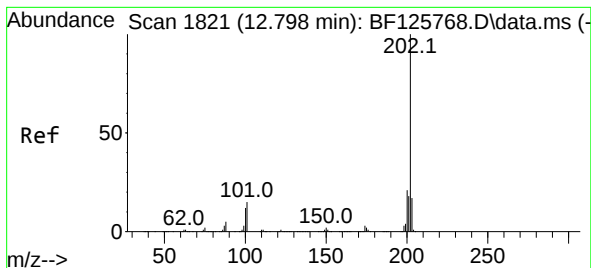
Tgt Ion:	202	Resp:	210997
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	30.7
203	17.4	0.0	36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

Tgt Ion:	240	Resp:	353846
Ion Ratio	Lower	Upper	
240	100		
120	12.8	10.8	16.2
236	25.8	21.6	32.4





#78

Pyrene

Concen: 5.986 ng

RT: 12.780 min Scan# 1818

Delta R.T. -0.000 min

Lab File: BF125907.D

Acq: 19 Oct 2021 19:00

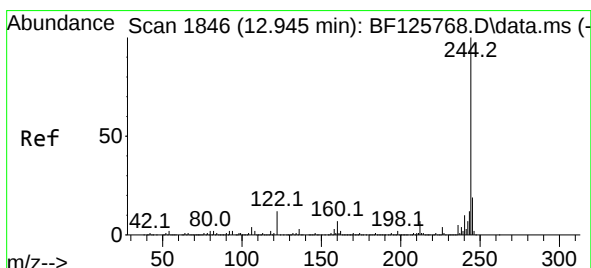
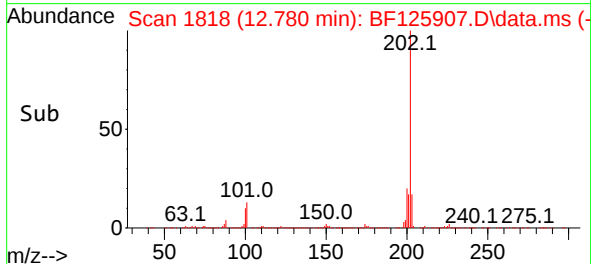
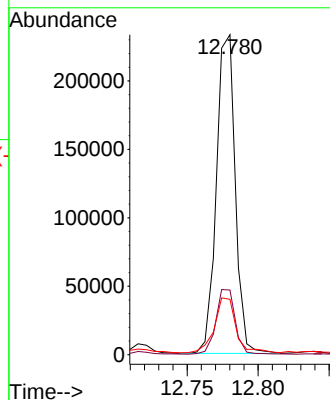
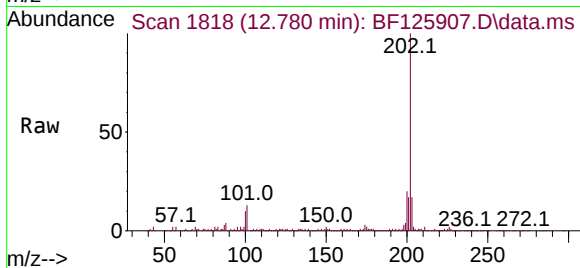
Tgt Ion:	202	Resp:	215200
Ion Ratio	Lower	Upper	
202	100		
200	20.2	15.3	22.9
203	17.3	13.4	20.0

Instrument :

BNA_F

ClientSampleId :

WC-1-BS



#79

Terphenyl-d14

Concen: 43.283 ng

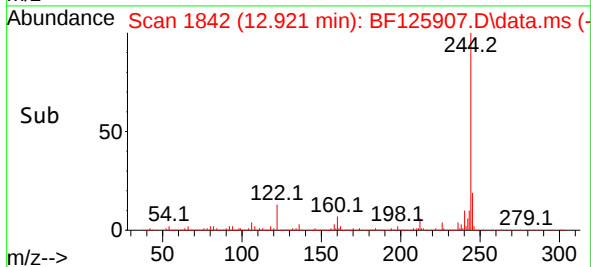
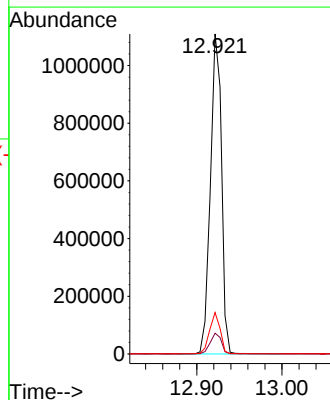
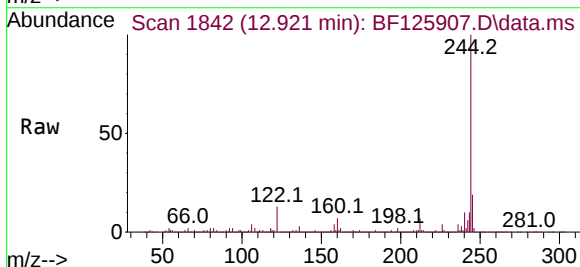
RT: 12.921 min Scan# 1842

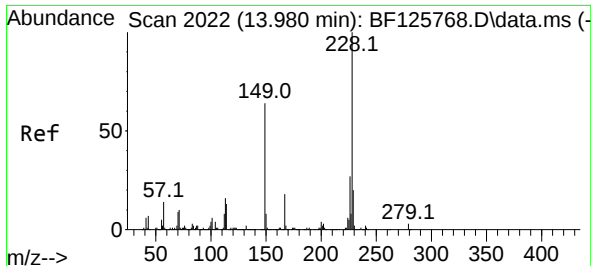
Delta R.T. -0.000 min

Lab File: BF125907.D

Acq: 19 Oct 2021 19:00

Tgt Ion:	244	Resp:	1005449
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.9	8.9
122	13.0	9.0	13.4

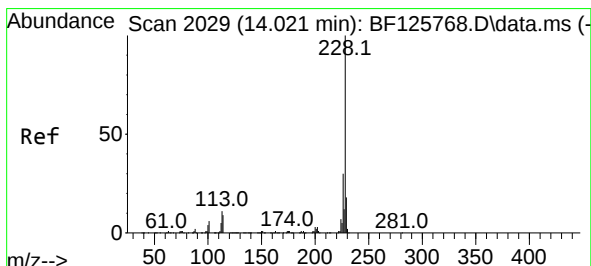
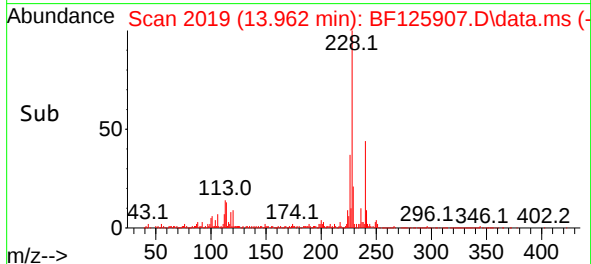
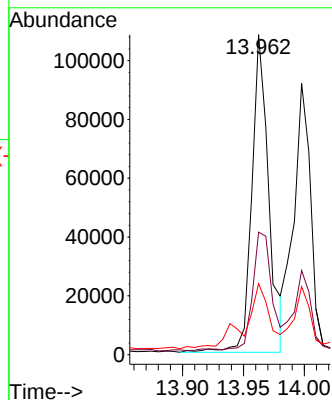
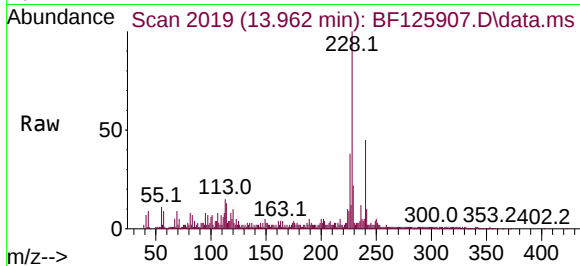




#81
Benzo(a)anthracene
Concen: 4.546 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

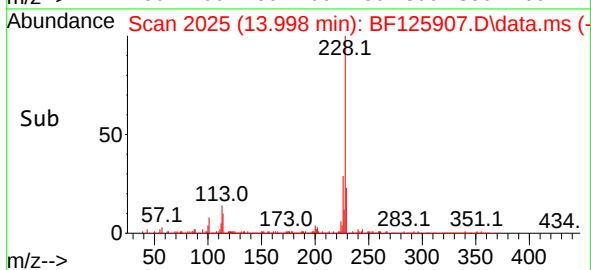
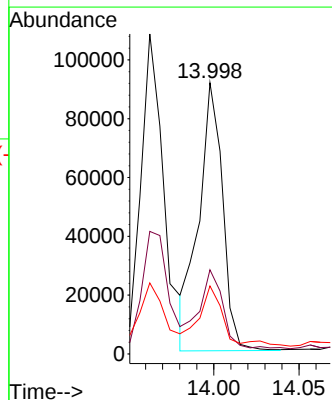
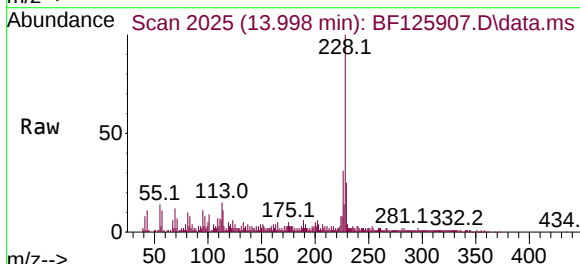
Instrument :
BNA_F
ClientSampled :
WC-1-BS

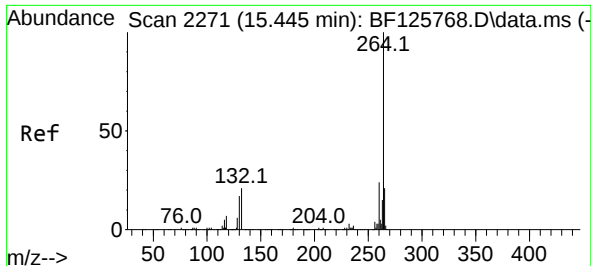
Tgt Ion:228 Resp: 104374
Ion Ratio Lower Upper
228 100
226 38.3 21.6 32.4#
229 22.2 15.6 23.4



#83
Chrysene
Concen: 3.924 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

Tgt Ion:228 Resp: 89042
Ion Ratio Lower Upper
228 100
226 31.0 22.6 34.0
229 25.1 15.9 23.9#



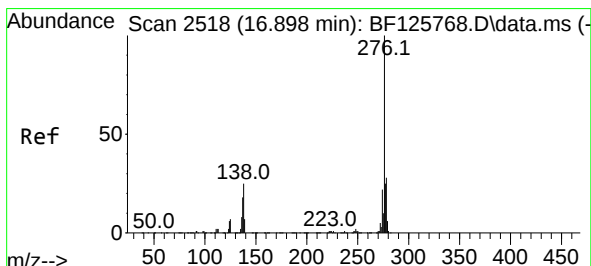
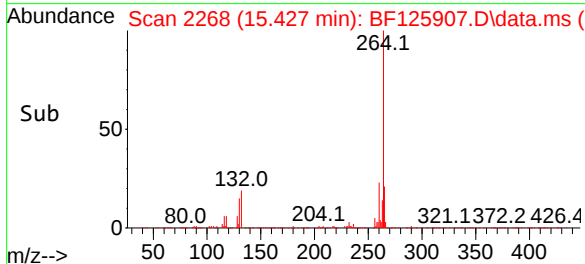
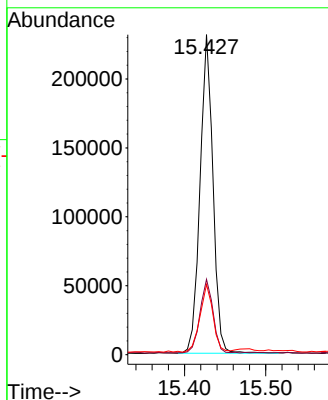
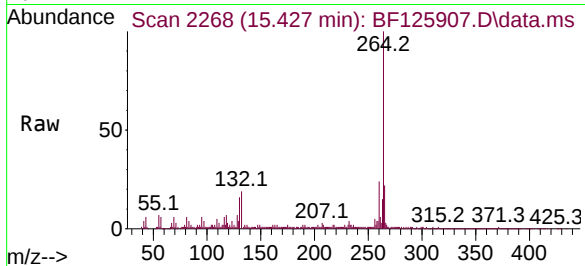


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.006 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

Instrument :
BNA_F
ClientSampleId :
WC-1-BS

Tgt Ion:264 Resp: 255262

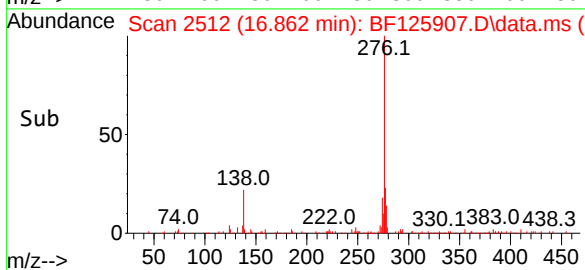
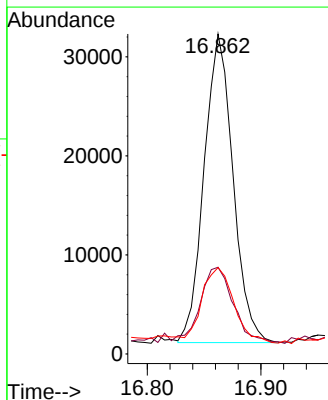
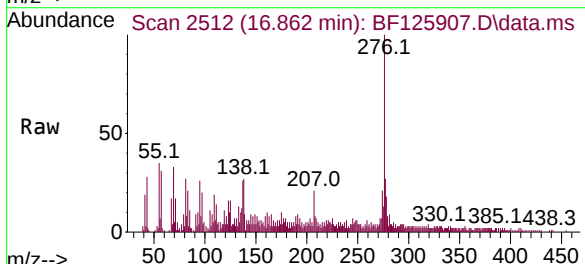
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.6	29.4
265	22.0	17.2	25.8

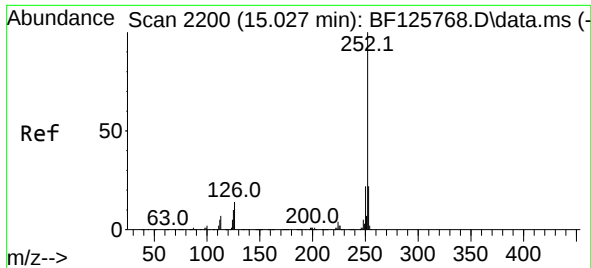


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.831 ng
RT: 16.862 min Scan# 2512
Delta R.T. -0.000 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

Tgt Ion:276 Resp: 55153

Ion	Ratio	Lower	Upper
276	100		
138	28.5	24.1	36.1
277	27.7	18.8	28.2

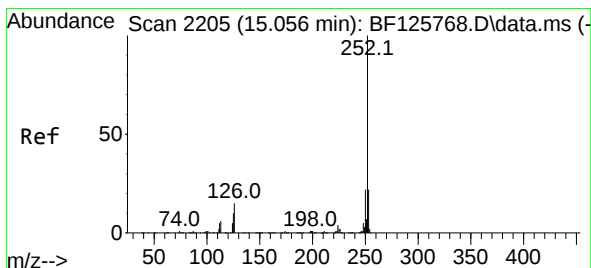
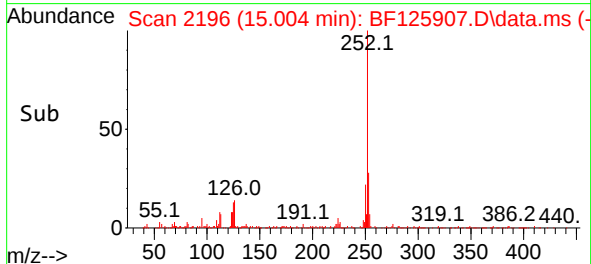
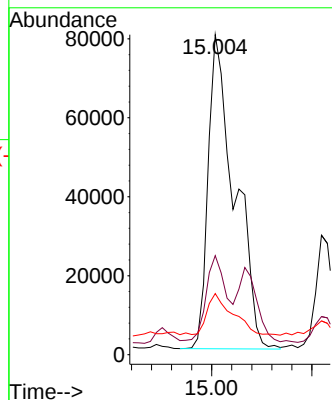
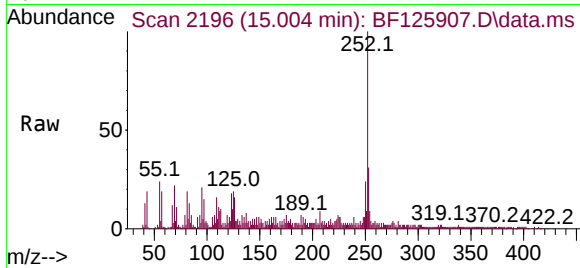




#88
Benzo(b)fluoranthene
Concen: 10.161 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

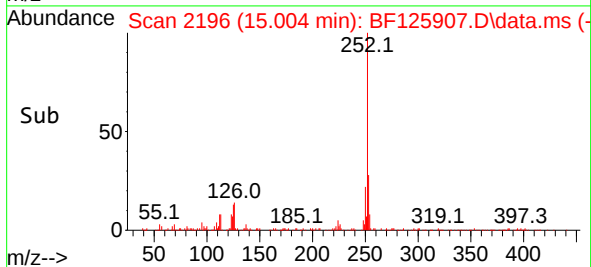
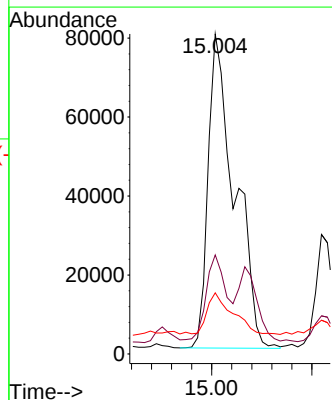
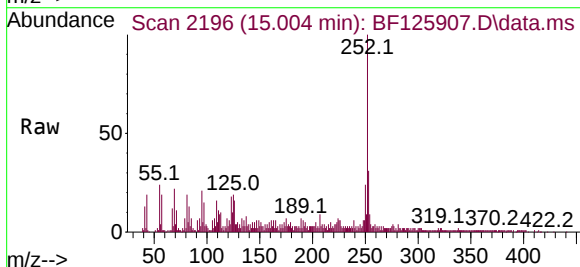
Instrument :
BNA_F
ClientSampleId :
WC-1-BS

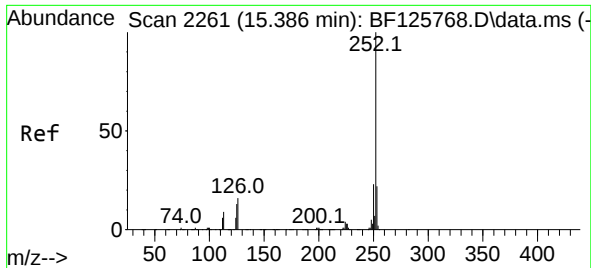
Tgt Ion:252 Resp: 146430
Ion Ratio Lower Upper
252 100
253 30.9 16.8 25.2#
125 19.1 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 9.896 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.024 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

Tgt Ion:252 Resp: 146430
Ion Ratio Lower Upper
252 100
253 30.9 17.8 26.8#
125 19.1 7.2 10.8#

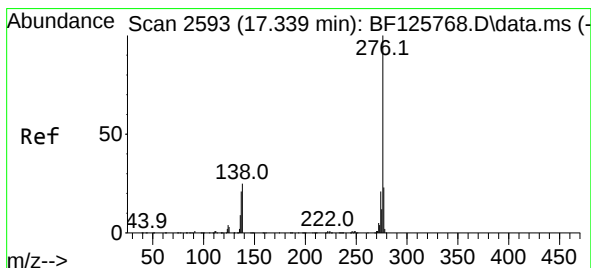
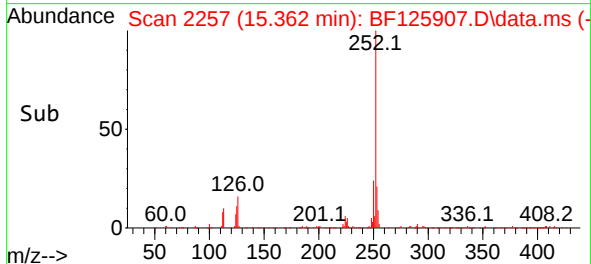
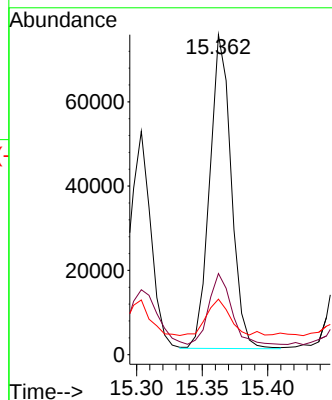
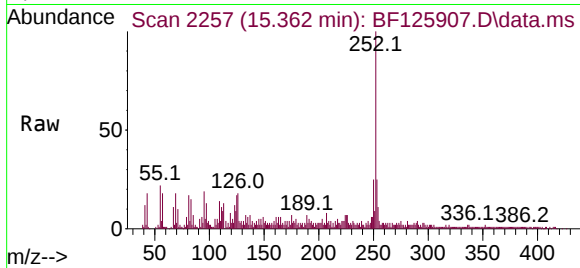




#90
Benzo(a)pyrene
Concen: 6.664 ng
RT: 15.362 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

Instrument :
BNA_F
ClientSampleId :
WC-1-BS

Tgt Ion:252 Resp: 85043
Ion Ratio Lower Upper
252 100
253 25.4 18.4 27.6
125 17.4 9.9 14.9#



#92
Benzo(g,h,i)perylene
Concen: 4.830 ng
RT: 17.298 min Scan# 2586
Delta R.T. -0.000 min
Lab File: BF125907.D
Acq: 19 Oct 2021 19:00

Tgt Ion:276 Resp: 79267
Ion Ratio Lower Upper
276 100
277 27.1 22.0 33.0
138 29.4 22.2 33.4

