

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
 Data File : BF125986.D
 Acq On : 28 Oct 2021 13:40
 Operator : JU/CG
 Sample : M4373-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-102621

Quant Time: Oct 28 15:22:18 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 28 12:01:54 2021
 Response via : Initial Calibration

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

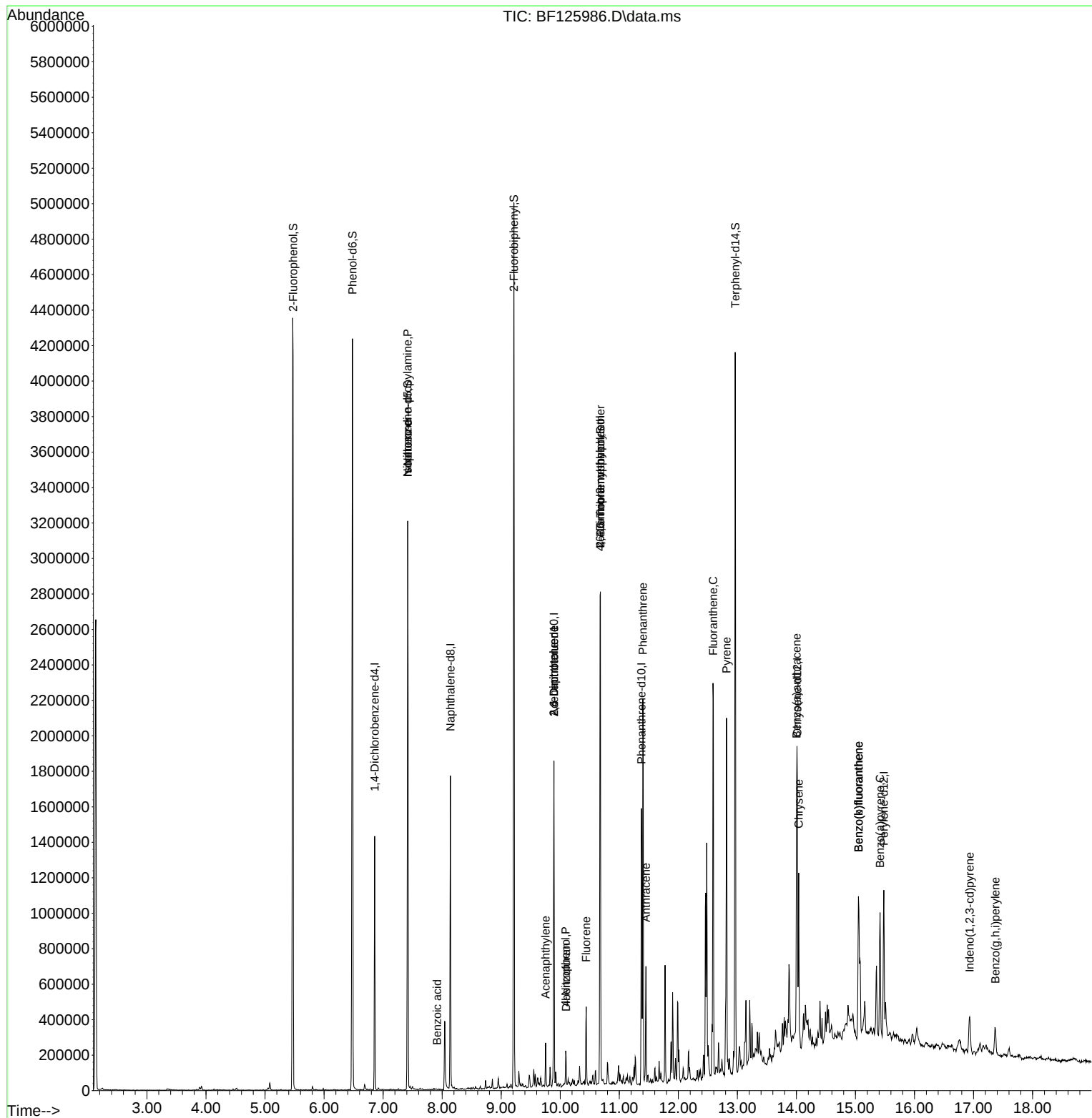
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	167573	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	655174	20.000	ng	# 0.00
39) Acenaphthene-d10	9.892	164	347222	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	566090	20.000	ng	0.00
76) Chrysene-d12	14.015	240	412821	20.000	ng	0.00
86) Perylene-d12	15.480	264	363758	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1177560	104.671	ng	0.00
7) Phenol-d6	6.481	99	1512204	98.001	ng	0.00
23) Nitrobenzene-d5	7.416	82	971380	76.583	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	306695	101.324	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1481171	75.437	ng	0.00
79) Terphenyl-d14	12.963	244	1346568	53.355	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	126649	14.366	ng	# 65
25) Isophorone	7.416	82	968260	40.085	ng	# 59
32) Benzoic acid	7.916	122	117	4.186	ng	# 62
49) Acenaphthylene	9.751	152	83830	2.894	ng	# 96
51) 2,6-Dinitrotoluene	9.892	165	45266	10.670	ng	# 28
55) Dibenzofuran	10.098	168	58739	2.089	ng	90
56) 4-Nitrophenol	10.092	139	20332	5.380	ng	# 14
57) 2,4-Dinitrotoluene	9.892	165	45266	8.687	ng	# 19
58) Fluorene	10.439	166	121775	2.631	ng	99
65) 4,6-Dinitro-2-methylph...	10.674	198	720	6.318	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	21103	3.490	ng	# 1
71) Phenanthrene	11.398	178	796892	27.129	ng	98
72) Anthracene	11.451	178	220980	7.535	ng	100
75) Fluoranthene	12.592	202	915151	30.905	ng	99
78) Pyrene	12.815	202	775603	20.189	ng	97
81) Benzo(a)anthracene	14.004	228	455573	16.397	ng	94
83) Chrysene	14.039	228	351277	12.496	ng	98
87) Indeno(1,2,3-cd)pyrene	16.933	276	144197	5.502	ng	# 90
88) Benzo(b)fluoranthene	15.051	252	625525	26.052	ng	95
89) Benzo(k)fluoranthene	15.051	252	625525	27.123	ng	97
90) Benzo(a)pyrene	15.415	252	314627	16.232	ng	98
92) Benzo(g,h,i)perylene	17.368	276	119249	5.376	ng	# 89

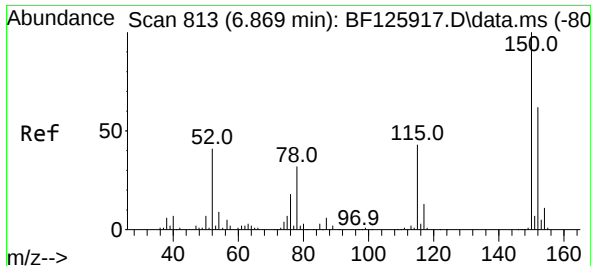
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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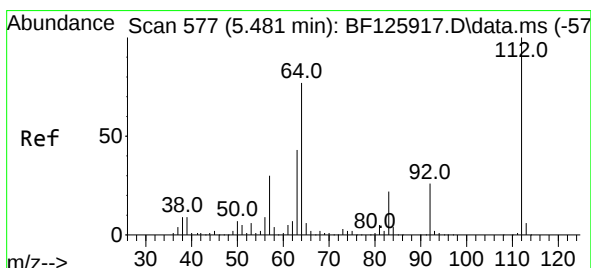
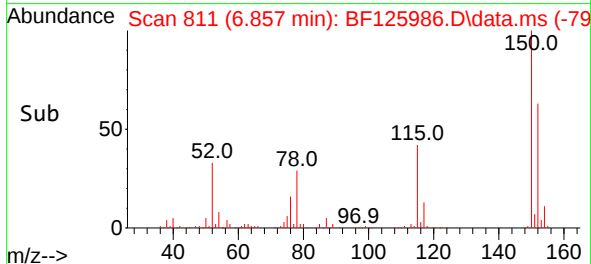
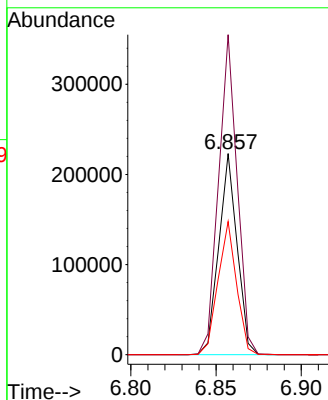
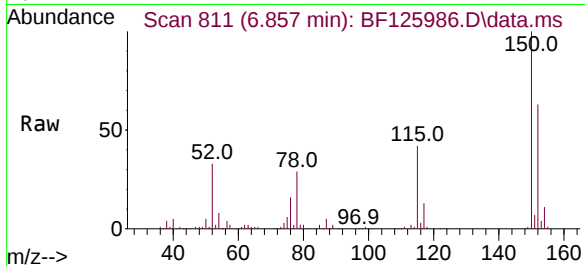




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

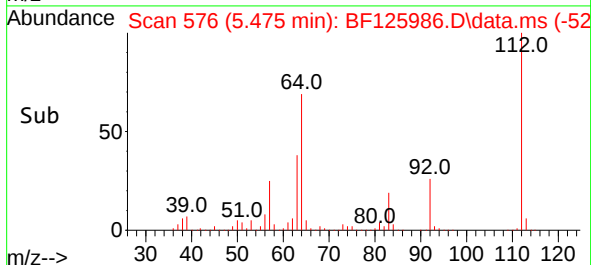
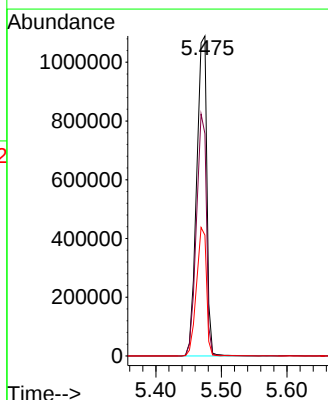
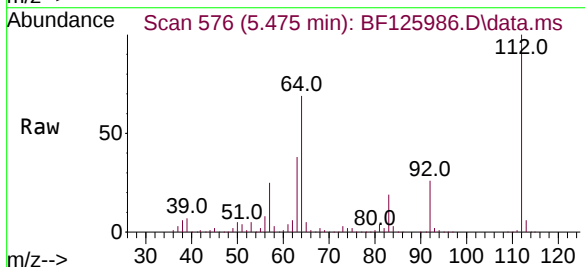
Instrument :
BNA_F
ClientSampleId :
SU-01-102621

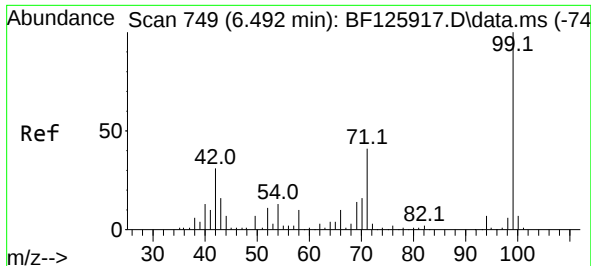
Tgt Ion:152 Resp: 167573
Ion Ratio Lower Upper
152 100
150 159.2 117.6 176.4
115 66.2 47.1 70.7



#5
2-Fluorophenol
Concen: 104.671 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.000 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

Tgt Ion:112 Resp: 1177560
Ion Ratio Lower Upper
112 100
64 69.5 44.2 66.2#
63 37.8 26.2 39.2

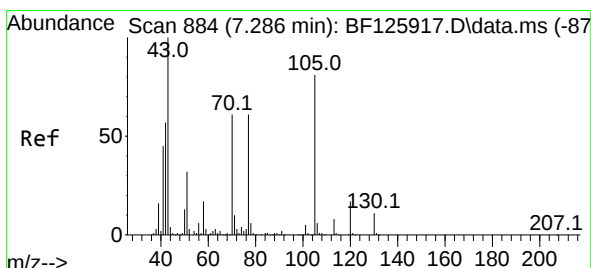
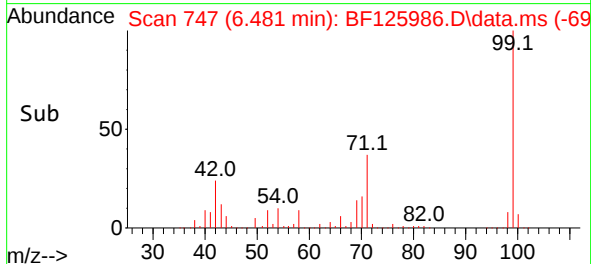
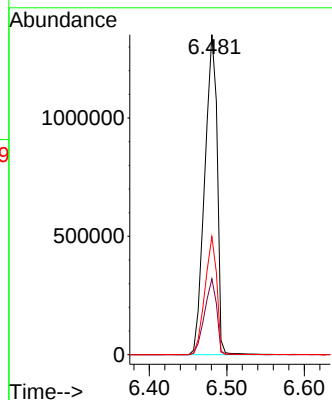
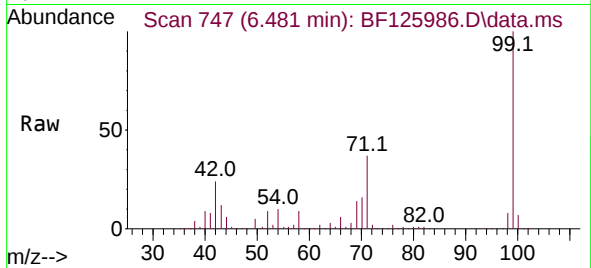




#7
Phenol-d6
Concen: 98.001 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

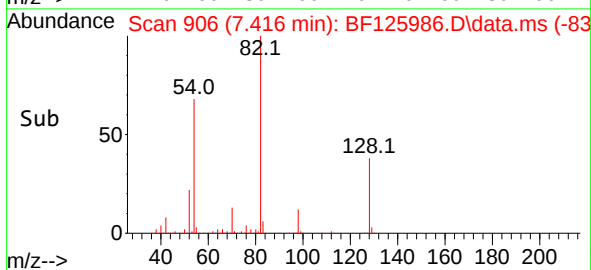
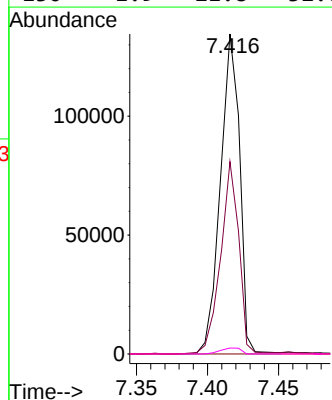
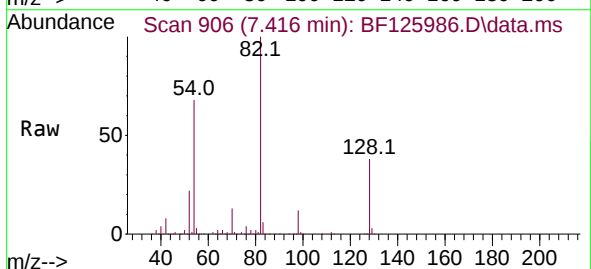
Instrument :
BNA_F
ClientSampleId :
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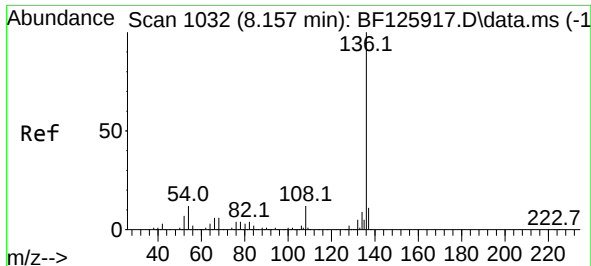
Tgt Ion: 99 Resp: 1512204
Ion Ratio Lower Upper
99 100
42 23.7 23.5 35.3
71 36.9 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.366 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

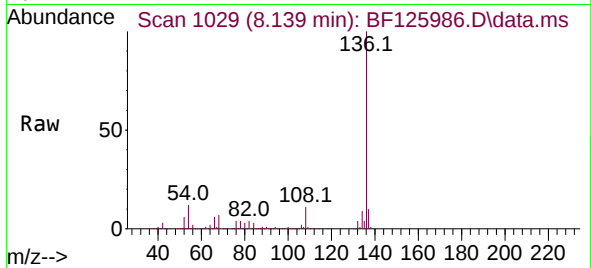
Tgt Ion: 70 Resp: 126649
Ion Ratio Lower Upper
70 100
42 60.1 72.2 108.2#
101 0.0 7.8 11.8#
130 1.9 21.8 32.6#



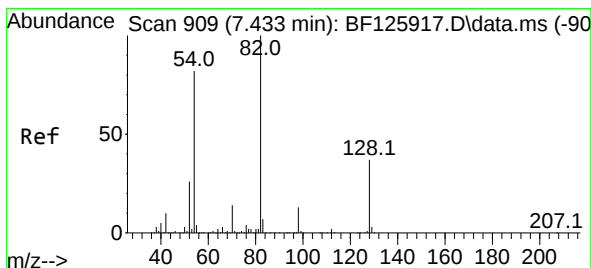
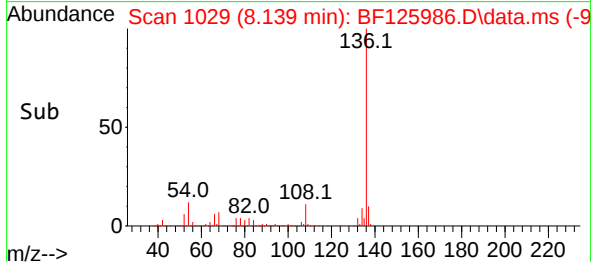
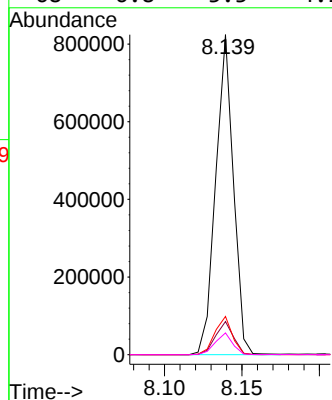


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

Instrument :
BNA_F
ClientSampleId :
SU-01-102621

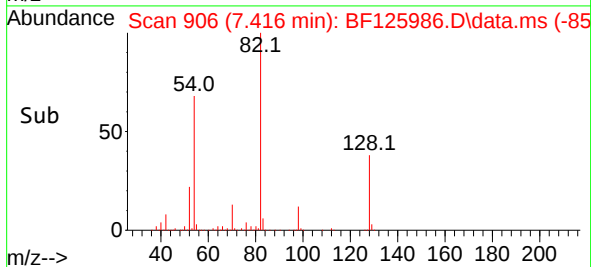
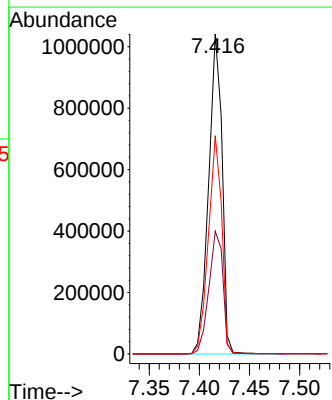
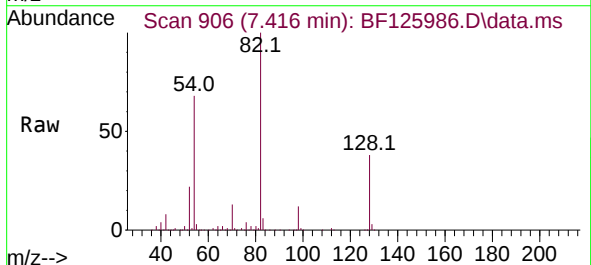


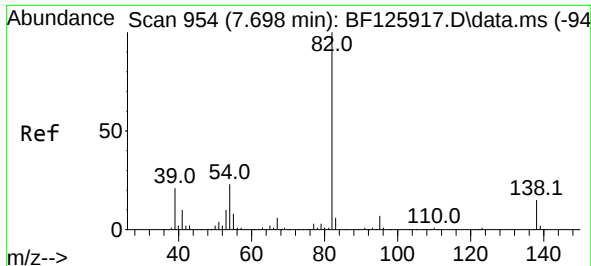
Tgt Ion:136	Resp: 655174
Ion Ratio	Lower Upper
136	100
137	10.4 9.8 14.6
54	12.0 6.4 9.6#
68	6.8 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 76.583 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF125986.D
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Tgt Ion: 82	Resp: 971380
Ion Ratio	Lower Upper
82	100
128	38.4 40.6 60.8#
54	68.2 49.6 74.4

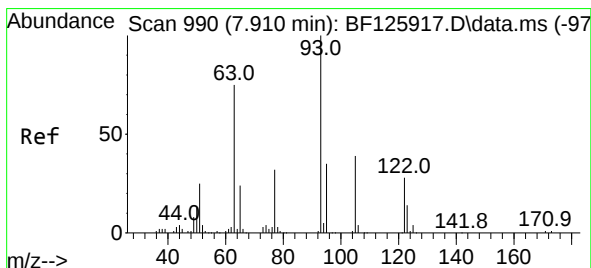
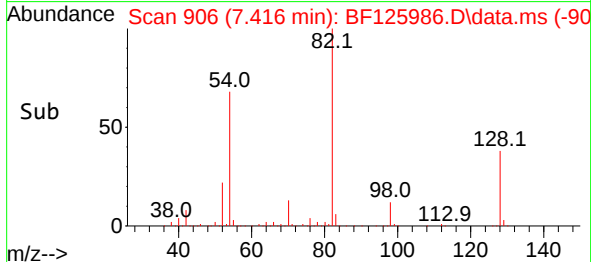
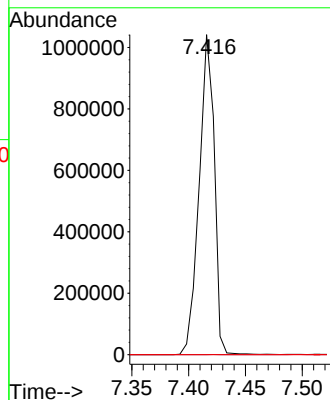
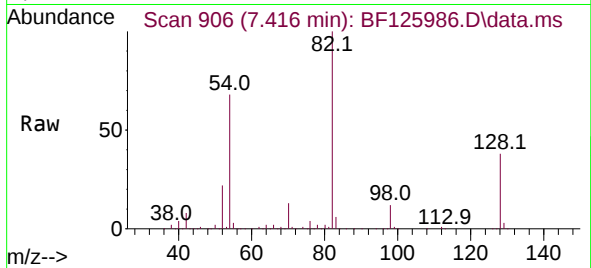




#25
Isophorone
Concen: 40.085 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.271 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

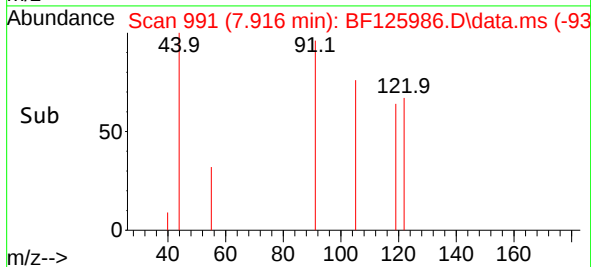
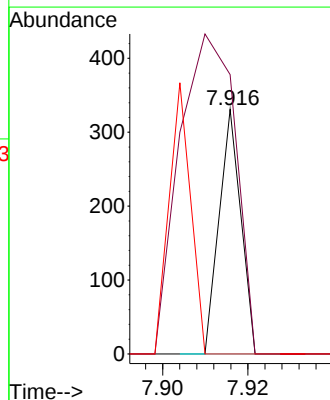
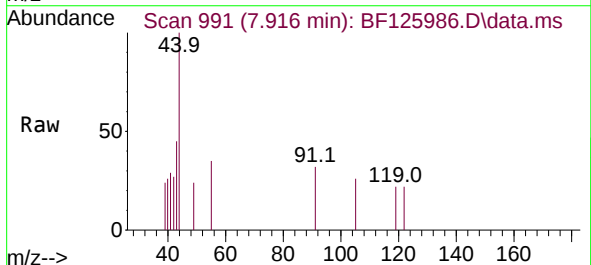
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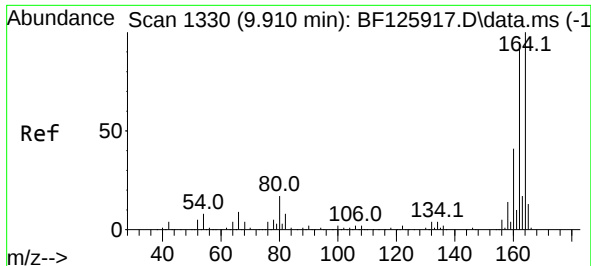
Tgt Ion: 82 Resp: 968260
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 4.186 ng
RT: 7.916 min Scan# 991
Delta R.T. 0.006 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

Tgt Ion:122 Resp: 117
Ion Ratio Lower Upper
122 100
105 114.2 97.6 137.6
77 0.0 59.6 99.6#

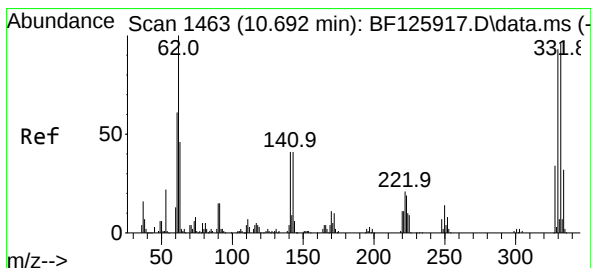
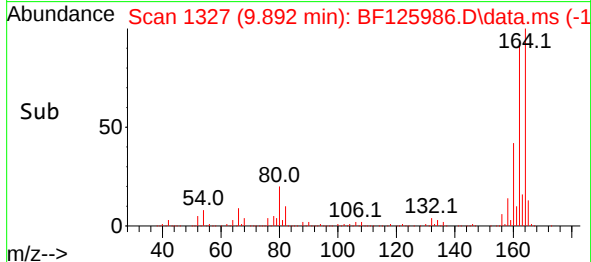
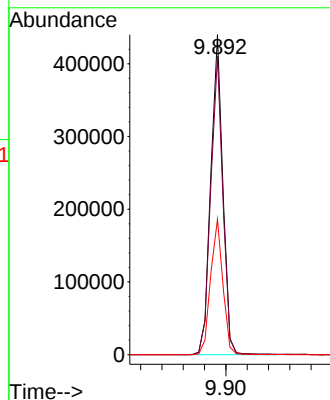
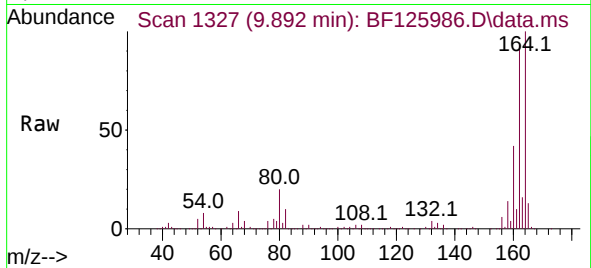




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

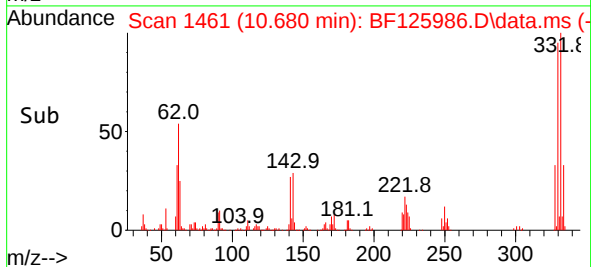
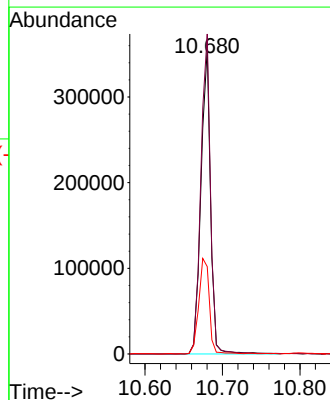
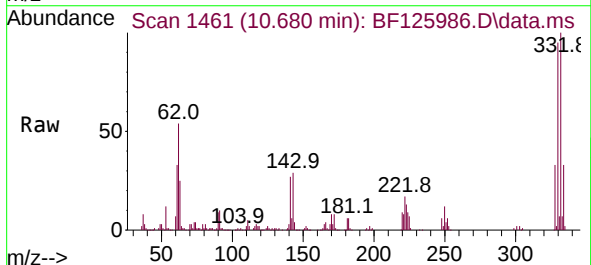
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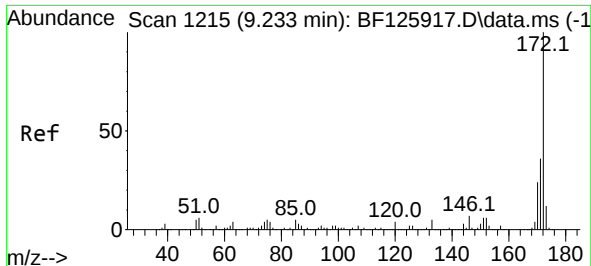
Tgt Ion:164 Resp: 347222
Ion Ratio Lower Upper
164 100
162 93.3 81.3 121.9
160 42.4 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 101.324 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

Tgt Ion:330 Resp: 306695
Ion Ratio Lower Upper
330 100
332 105.7 76.2 114.4
141 34.5 44.6 66.8#

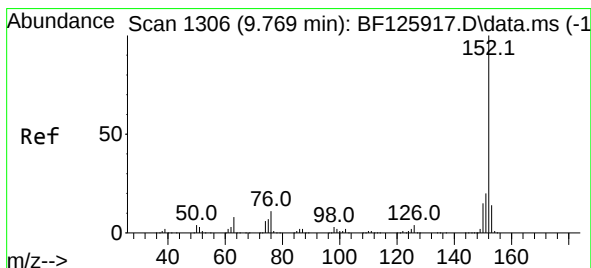
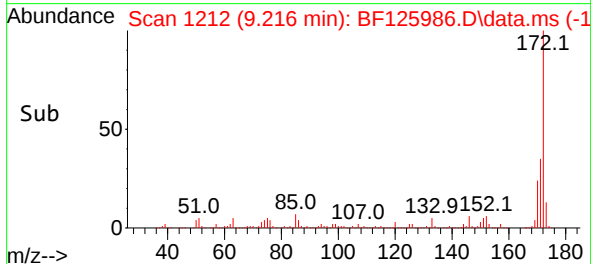
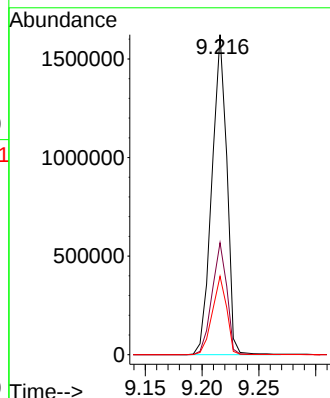
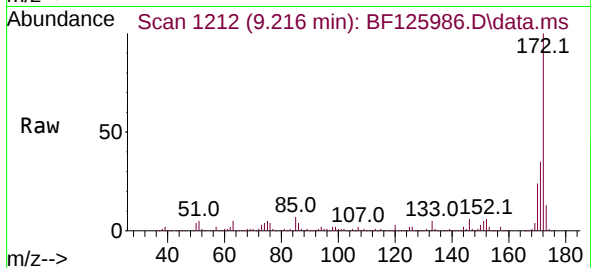




#45
2-Fluorobiphenyl
Concen: 75.437 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

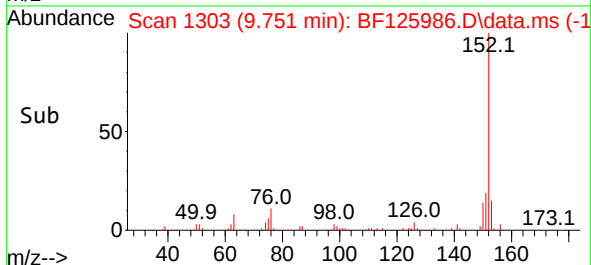
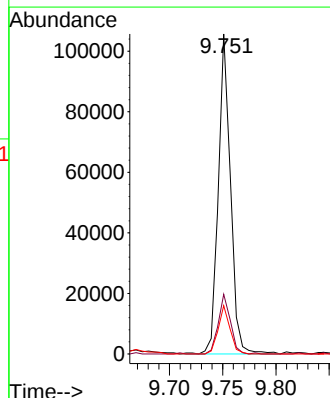
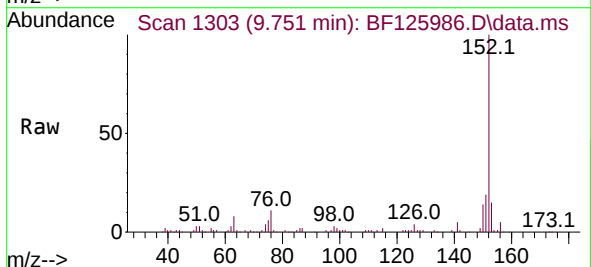
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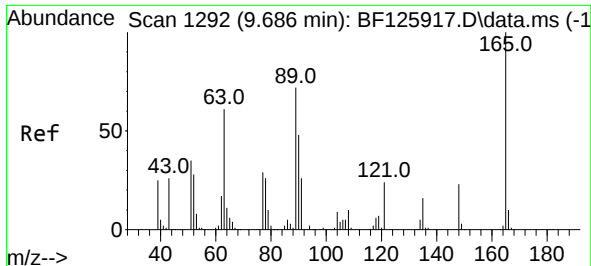
Tgt Ion:172 Resp: 1481171
Ion Ratio Lower Upper
172 100
171 35.0 26.5 39.7
170 24.5 18.8 28.2



#49
Acenaphthylene
Concen: 2.894 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

Tgt Ion:152 Resp: 83830
Ion Ratio Lower Upper
152 100
151 18.6 15.7 23.5
153 15.1 9.8 14.8#

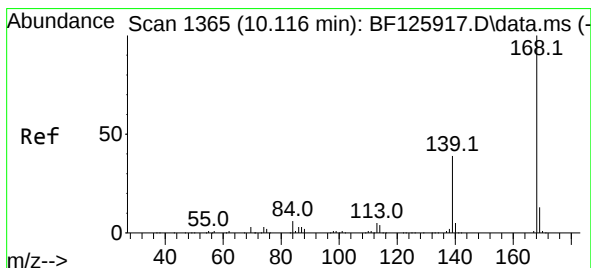
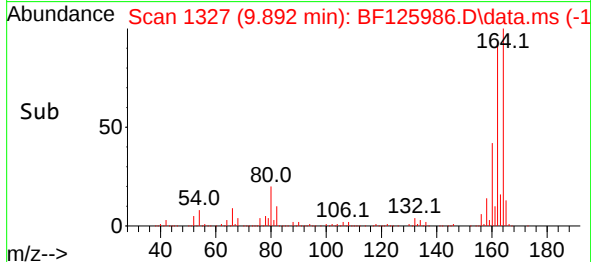
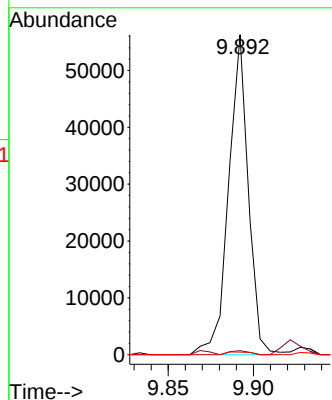
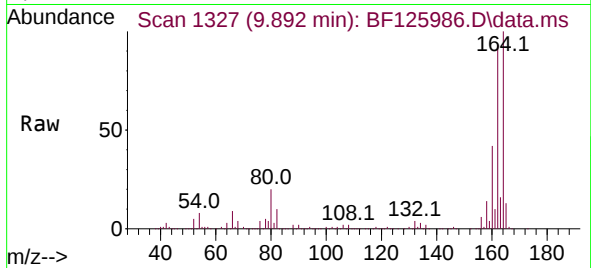




#51
2,6-Dinitrotoluene
Concen: 10.670 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

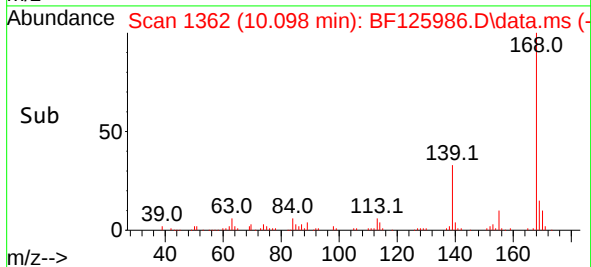
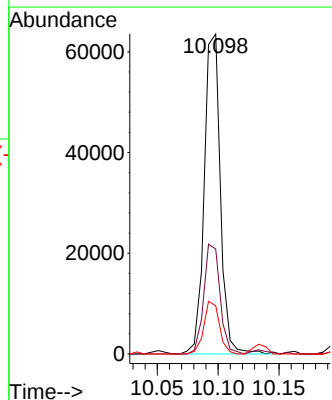
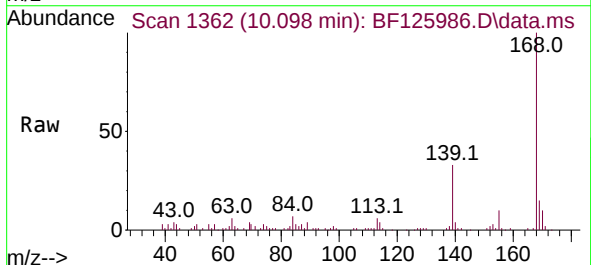
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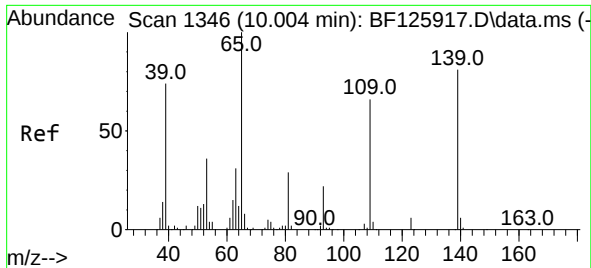
Tgt Ion:165 Resp: 45266
Ion Ratio Lower Upper
165 100
63 1.3 42.6 63.8#
89 0.8 40.6 60.8#



#55
Dibenzofuran
Concen: 2.089 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

Tgt Ion:168 Resp: 58739
Ion Ratio Lower Upper
168 100
139 32.8 32.7 49.1
169 15.0 11.2 16.8

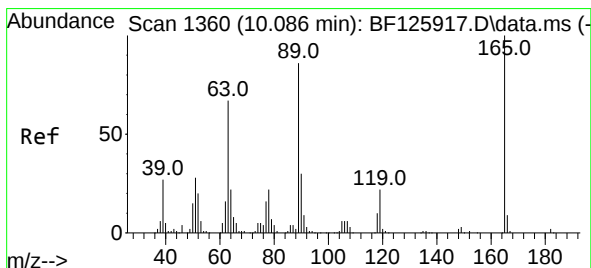
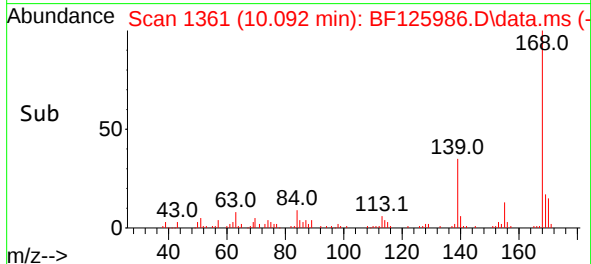
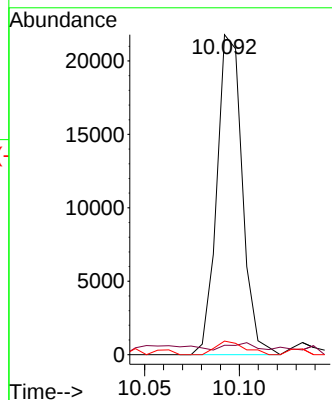
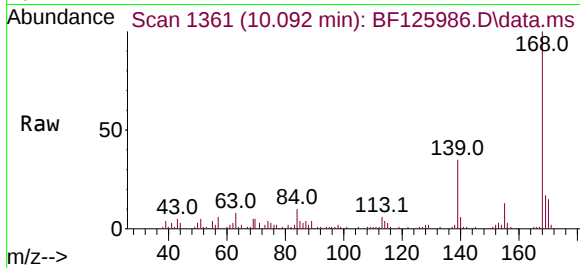




#56
4-Nitrophenol
Concen: 5.380 ng
RT: 10.092 min Scan# 1361
Delta R.T. 0.094 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

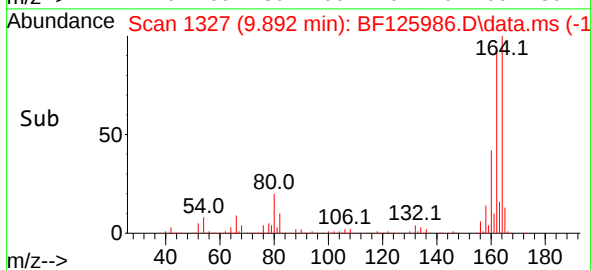
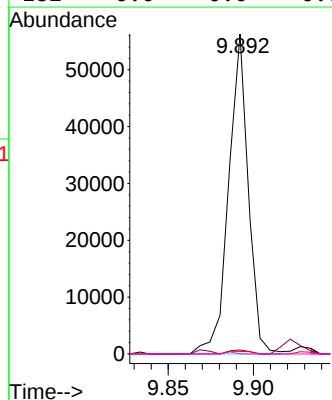
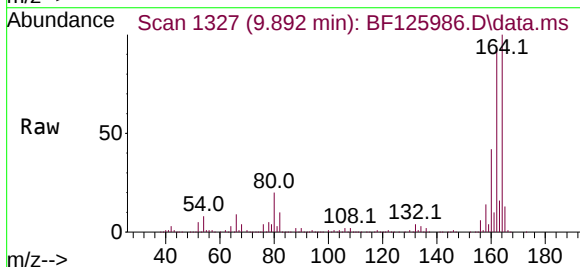
Instrument :
BNA_F
ClientSampleId :
SU-01-102621

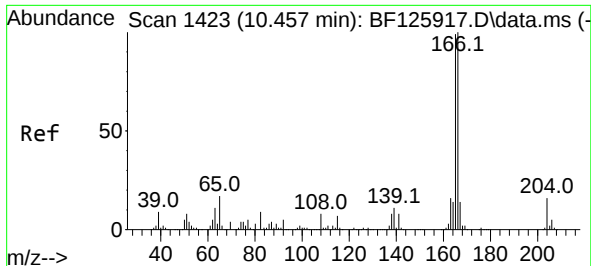
Tgt Ion:139 Resp: 20332
Ion Ratio Lower Upper
139 100
109 3.0 60.4 100.4#
65 4.2 58.4 98.4#



#57
2,4-Dinitrotoluene
Concen: 8.687 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.188 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

Tgt Ion:165 Resp: 45266
Ion Ratio Lower Upper
165 100
63 1.3 40.9 61.3#
89 0.8 59.7 89.5#
182 0.0 0.0 0.0

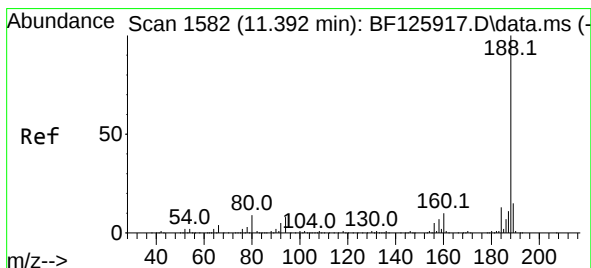
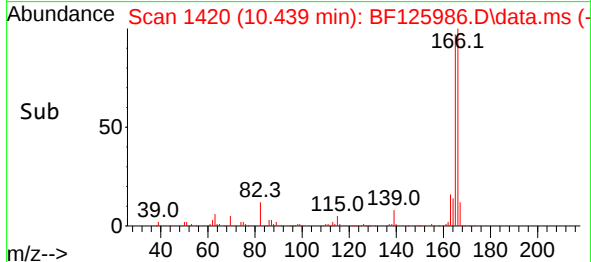
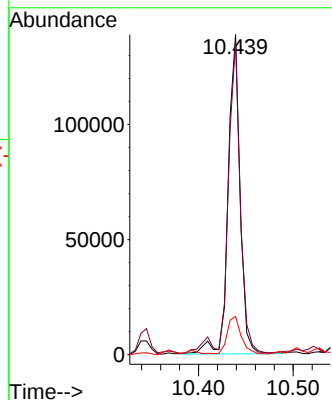
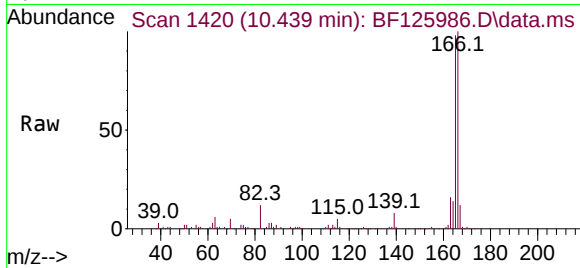




#58
Fluorene
Concen: 2.631 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

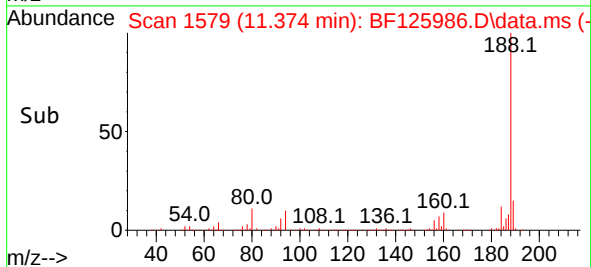
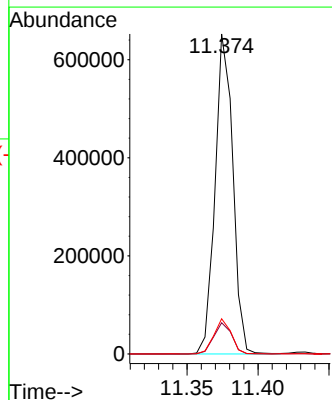
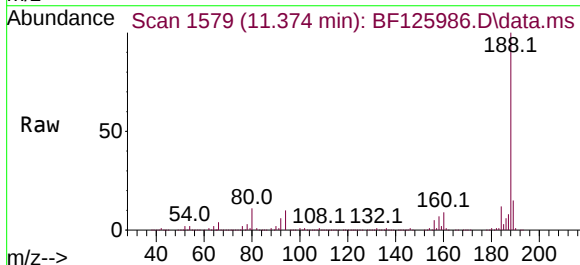
Instrument :
BNA_F
ClientSampleId :
SU-01-102621

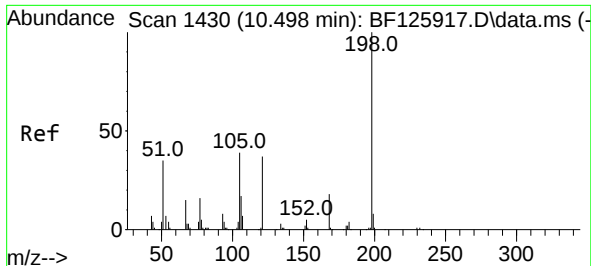
Tgt Ion:166 Resp: 121775
Ion Ratio Lower Upper
166 100
165 97.6 78.1 117.1
167 11.9 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

Tgt Ion:188 Resp: 566090
Ion Ratio Lower Upper
188 100
94 9.7 6.7 10.1
80 11.0 7.5 11.3

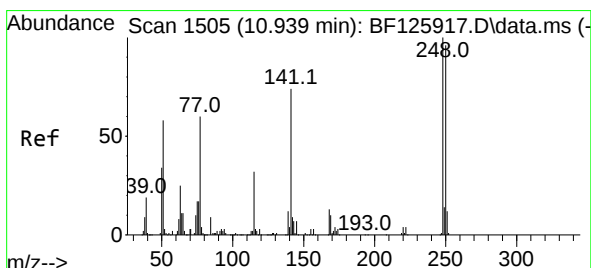
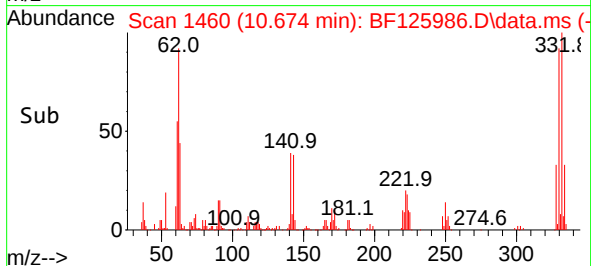
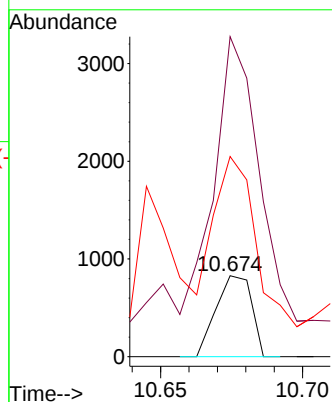
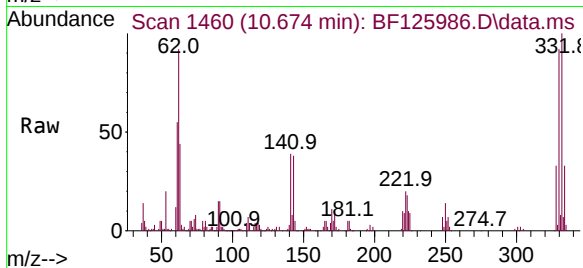




#65
4,6-Dinitro-2-methylphenol
Concen: 6.318 ng
RT: 10.674 min Scan# 1460
Delta R.T. 0.188 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

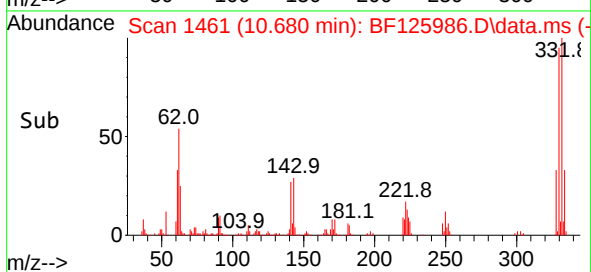
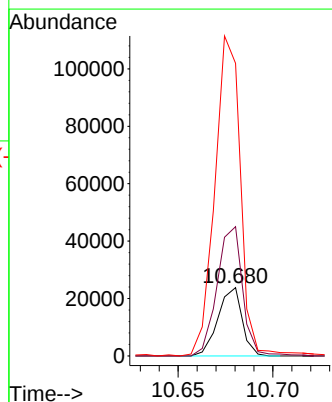
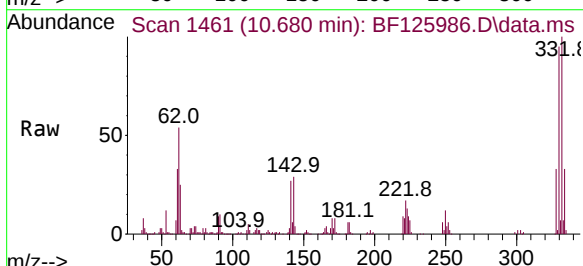
Instrument :
BNA_F
ClientSampleId :
SU-01-102621

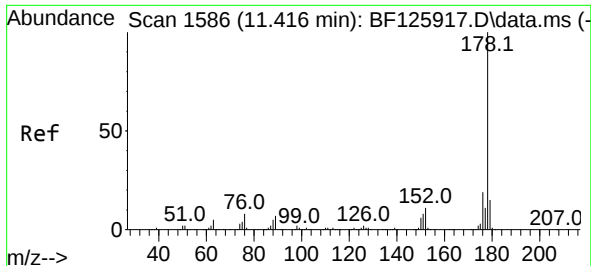
Tgt Ion:198 Resp: 720
Ion Ratio Lower Upper
198 100
51 395.5 45.3 85.3#
105 247.3 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 3.490 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

Tgt Ion:248 Resp: 21103
Ion Ratio Lower Upper
248 100
250 189.5 74.2 111.4#
141 428.7 60.4 90.6#

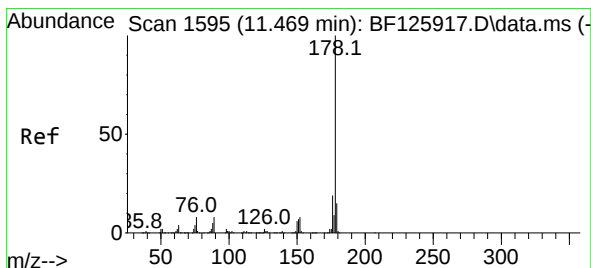
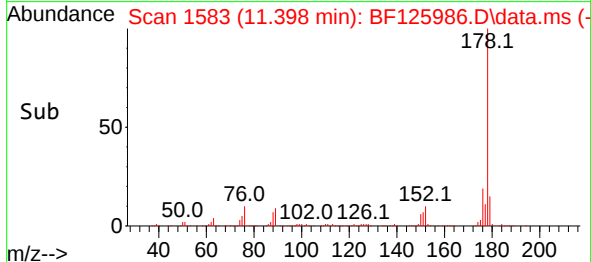
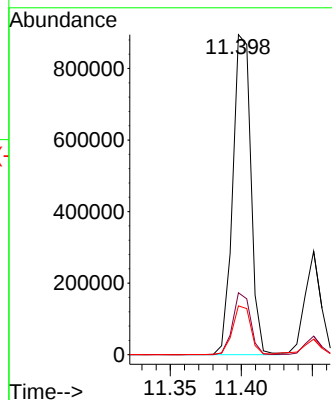
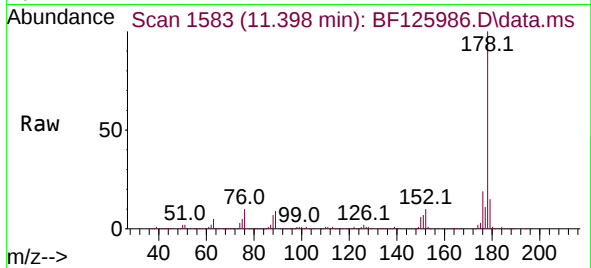




#71
Phenanthrene
Concen: 27.129 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

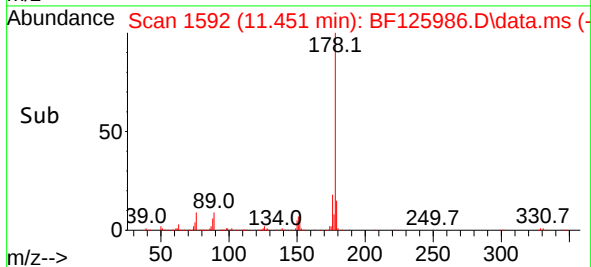
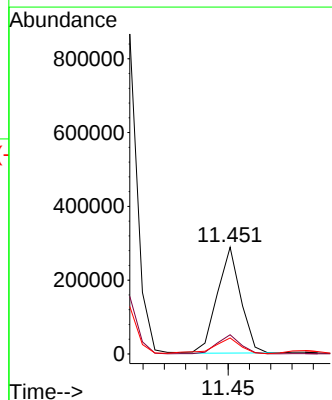
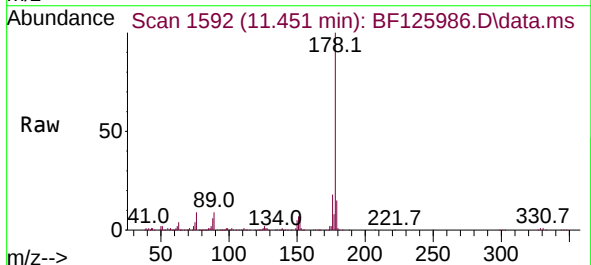
Instrument :
BNA_F
ClientSampleId :
SU-01-102621

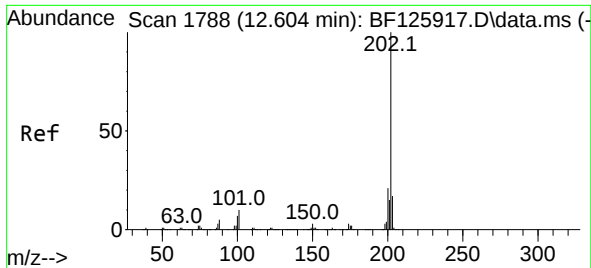
Tgt Ion:178 Resp: 796892
Ion Ratio Lower Upper
178 100
176 19.3 14.7 22.1
179 15.2 11.5 17.3



#72
Anthracene
Concen: 7.535 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

Tgt Ion:178 Resp: 220980
Ion Ratio Lower Upper
178 100
176 18.0 14.3 21.5
179 15.0 12.2 18.4

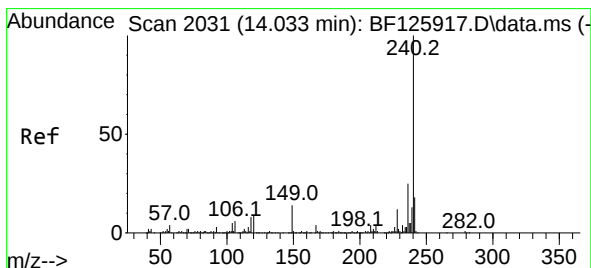
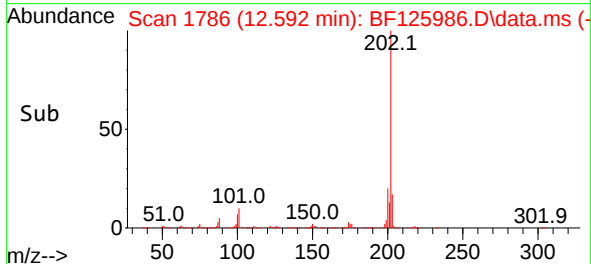
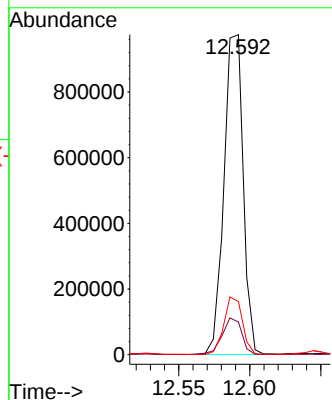
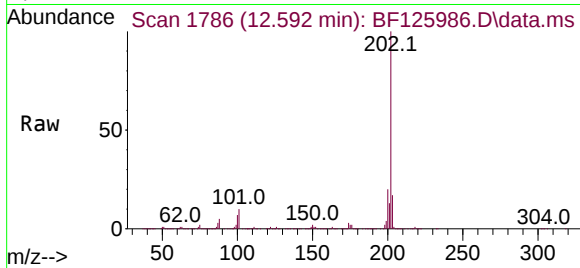




#75
Fluoranthene
Concen: 30.905 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

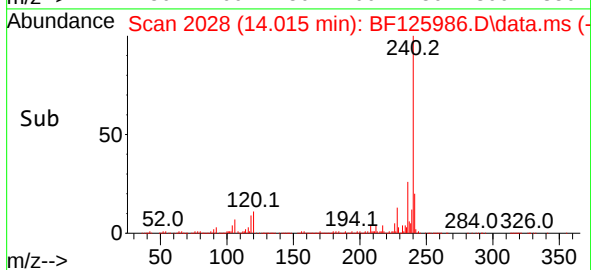
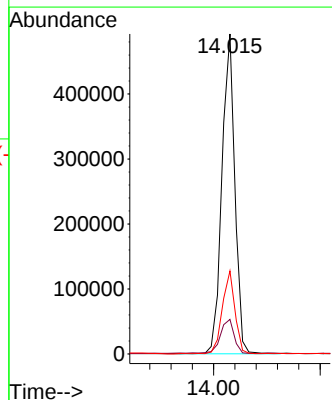
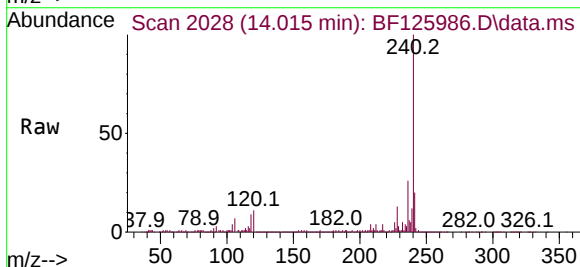
Instrument :
BNA_F
ClientSampleId :
SU-01-102621

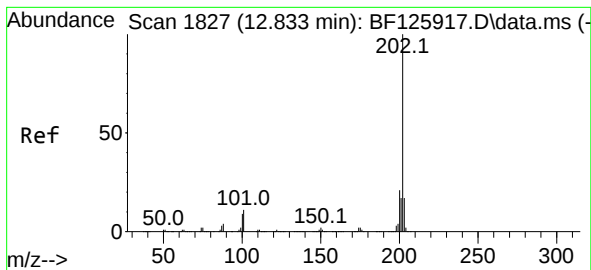
Tgt Ion:202	Resp:	915151
Ion Ratio	Lower	Upper
202	100	
101	10.2	0.0 30.7
203	16.6	0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

Tgt Ion:240	Resp:	412821
Ion Ratio	Lower	Upper
240	100	
120	10.8	10.8 16.2
236	26.0	21.6 32.4





#78

Pyrene

Concen: 20.189 ng

RT: 12.815 min Scan# 1824

Delta R.T. -0.006 min

Lab File: BF125986.D

Acq: 28 Oct 2021 13:40

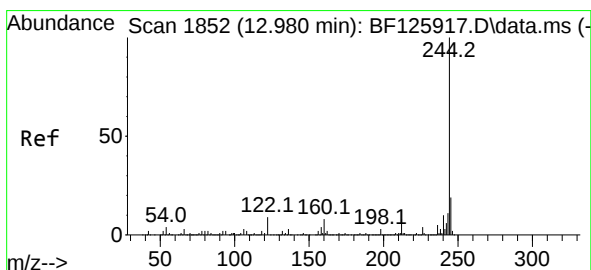
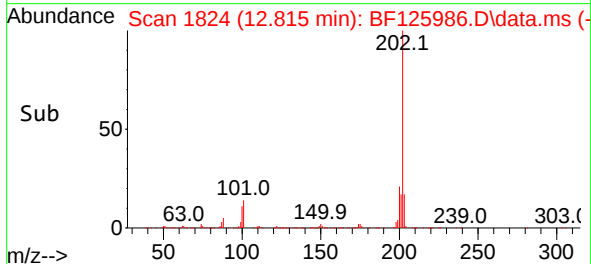
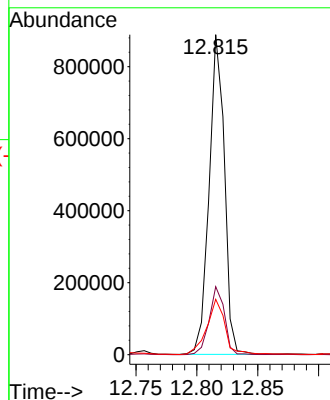
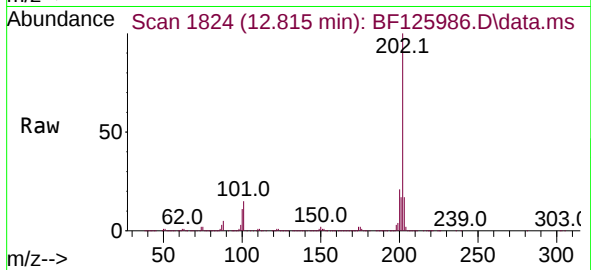
Tgt Ion:202 Resp: 775603

Ion Ratio Lower Upper

202 100

200 21.3 15.3 22.9

203 17.3 13.4 20.0



#79

Terphenyl-d14

Concen: 53.355 ng

RT: 12.963 min Scan# 1849

Delta R.T. -0.006 min

Lab File: BF125986.D

Acq: 28 Oct 2021 13:40

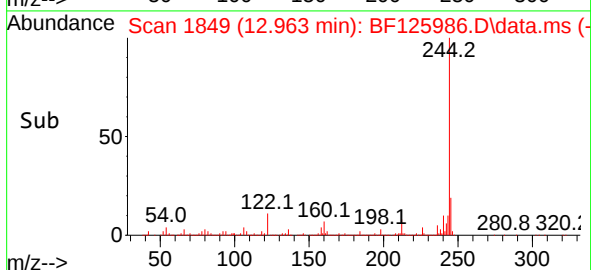
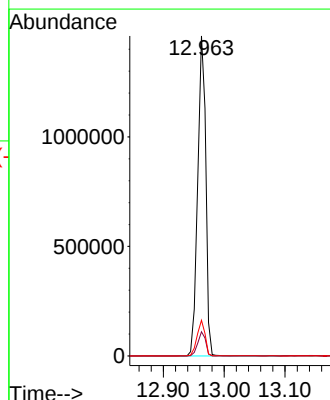
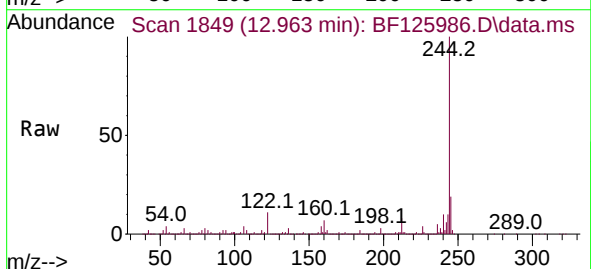
Tgt Ion:244 Resp: 1346568

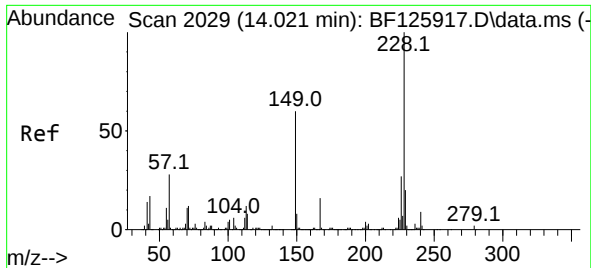
Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

122 11.2 9.0 13.4

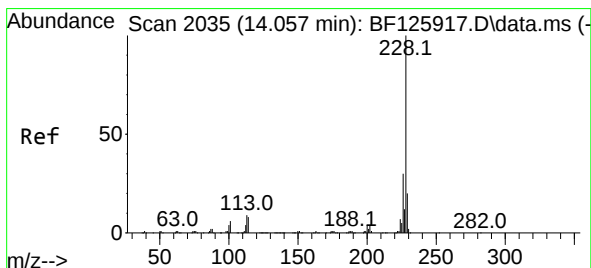
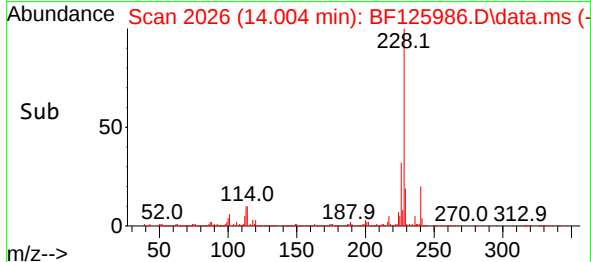
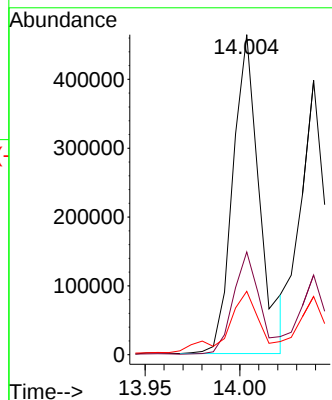
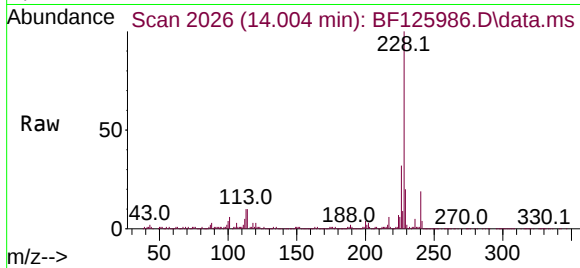




#81
Benzo(a)anthracene
Concen: 16.397 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

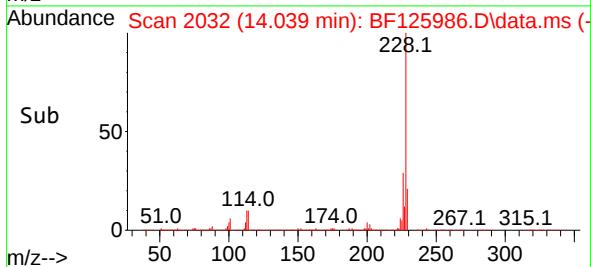
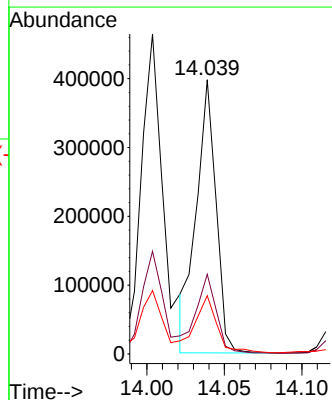
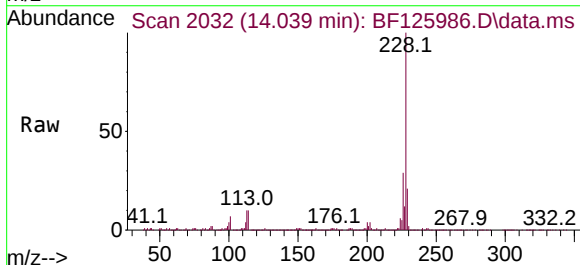
Instrument :
BNA_F
ClientSampleId :
SU-01-102621

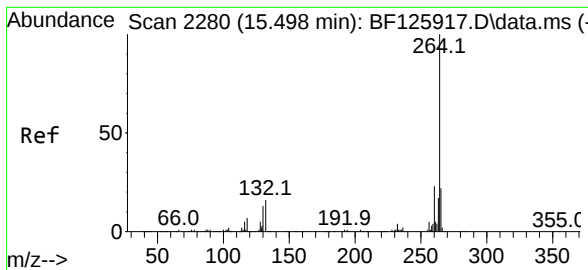
Tgt Ion:228 Resp: 455573
Ion Ratio Lower Upper
228 100
226 32.1 21.6 32.4
229 19.8 15.6 23.4



#83
Chrysene
Concen: 12.496 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

Tgt Ion:228 Resp: 351277
Ion Ratio Lower Upper
228 100
226 29.0 22.6 34.0
229 21.2 15.9 23.9

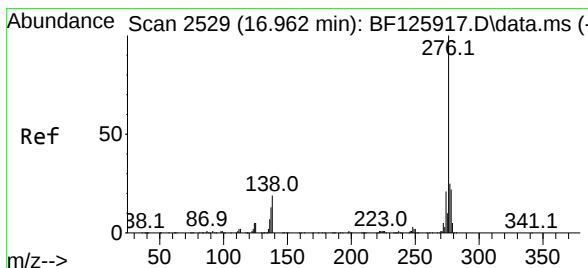
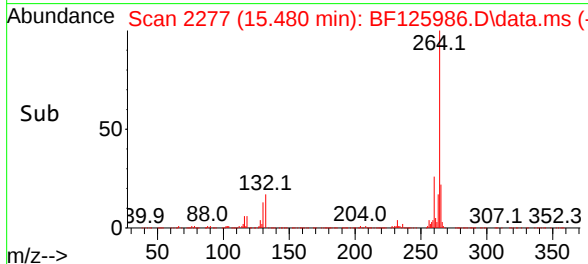
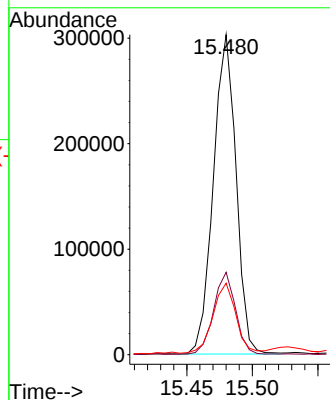
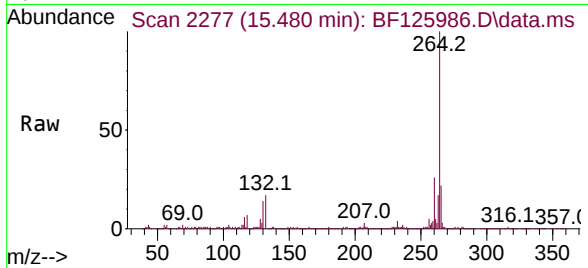




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

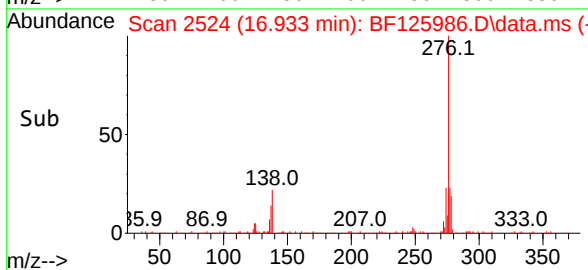
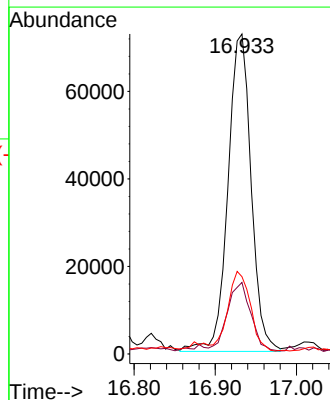
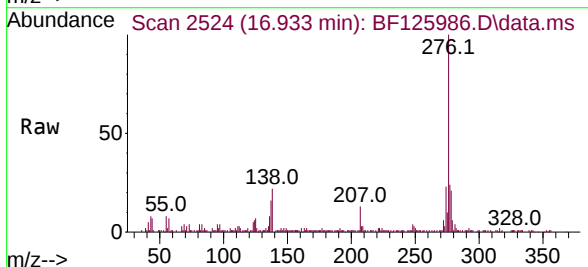
Instrument :
BNA_F
ClientSampleId :
SU-01-102621

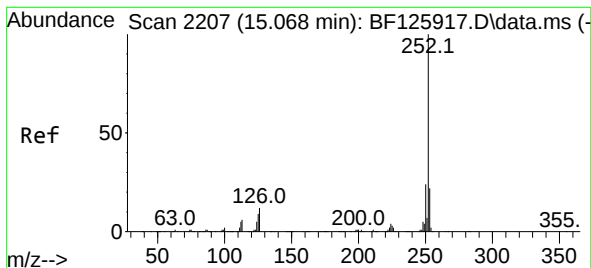
Tgt Ion:264	Resp:	363758
Ion Ratio	Lower	Upper
264	100	
260	25.7	19.6 29.4
265	22.3	17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.502 ng
RT: 16.933 min Scan# 2524
Delta R.T. -0.012 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

Tgt Ion:276	Resp:	144197
Ion Ratio	Lower	Upper
276	100	
138	21.6	24.1 36.1#
277	24.5	18.8 28.2





#88

Benzo(b)fluoranthene

Concen: 26.052 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.006 min

Lab File: BF125986.D

Acq: 28 Oct 2021 13:40

Tgt Ion:252 Resp: 625525

Ion Ratio Lower Upper

252 100

253 23.6 16.8 25.2

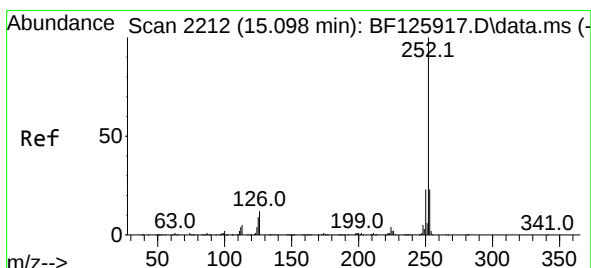
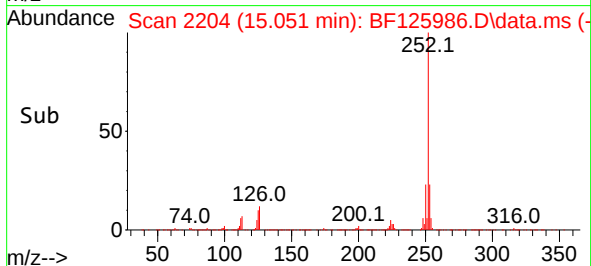
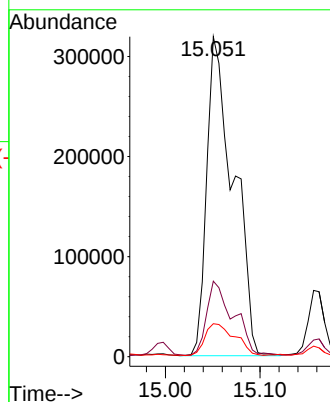
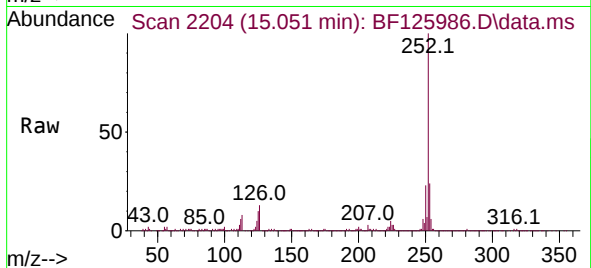
125 10.3 9.8 14.8

Instrument :

BNA_F

ClientSampleId :

SU-01-102621



#89

Benzo(k)fluoranthene

Concen: 27.123 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.035 min

Lab File: BF125986.D

Acq: 28 Oct 2021 13:40

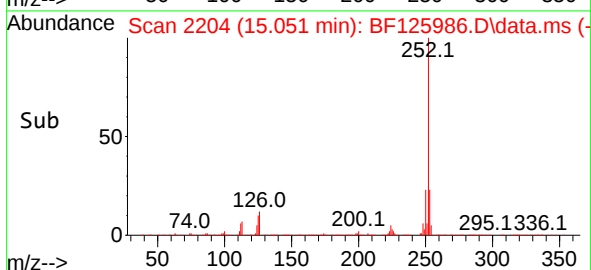
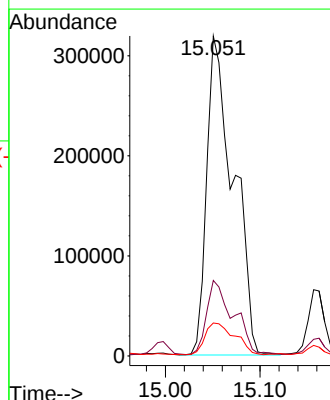
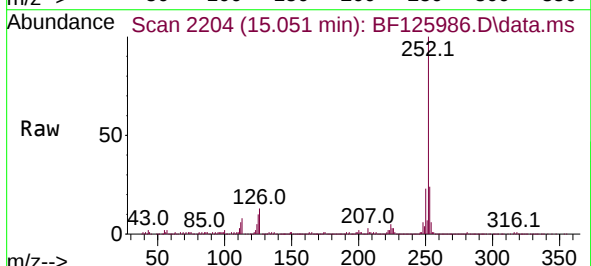
Tgt Ion:252 Resp: 625525

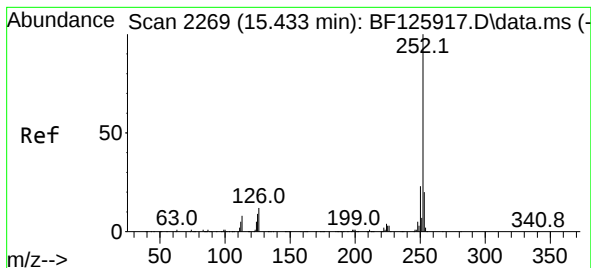
Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

125 10.3 7.2 10.8

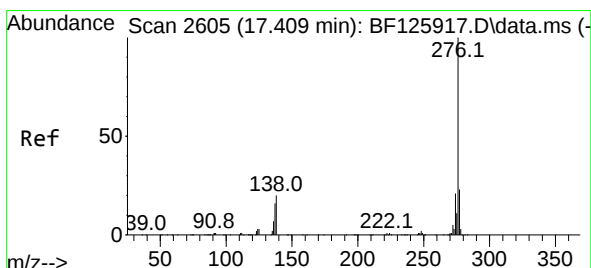
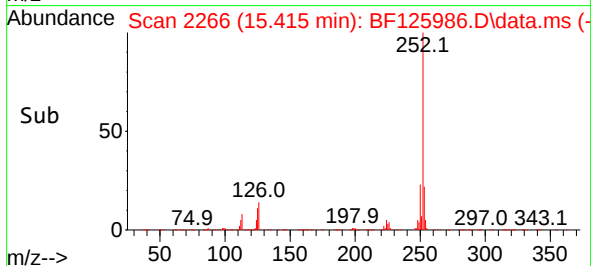
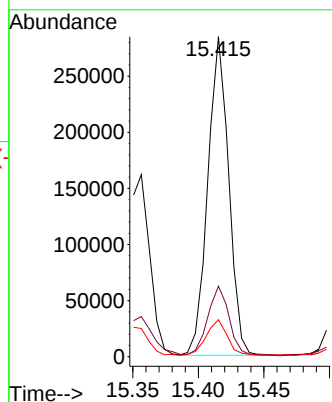
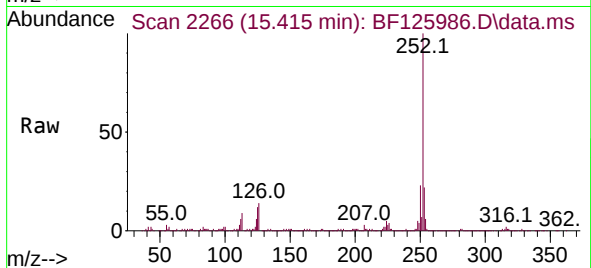




#90
Benzo(a)pyrene
Concen: 16.232 ng
RT: 15.415 min Scan# 2266
Delta R.T. -0.006 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

Instrument :
BNA_F
ClientSampleId :
SU-01-102621

Tgt Ion:252 Resp: 314627
Ion Ratio Lower Upper
252 100
253 22.0 18.4 27.6
125 11.5 9.9 14.9



#92
Benzo(g,h,i)perylene
Concen: 5.376 ng
RT: 17.368 min Scan# 2598
Delta R.T. -0.018 min
Lab File: BF125986.D
Acq: 28 Oct 2021 13:40

Tgt Ion:276 Resp: 119249
Ion Ratio Lower Upper
276 100
277 22.6 22.0 33.0
138 21.1 22.2 33.4#

