

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
 Data File : BF125988.D
 Acq On : 28 Oct 2021 14:44
 Operator : JU/CG
 Sample : M4343-01DL 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 METRO-SPDL

Quant Time: Oct 29 10:38:35 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)

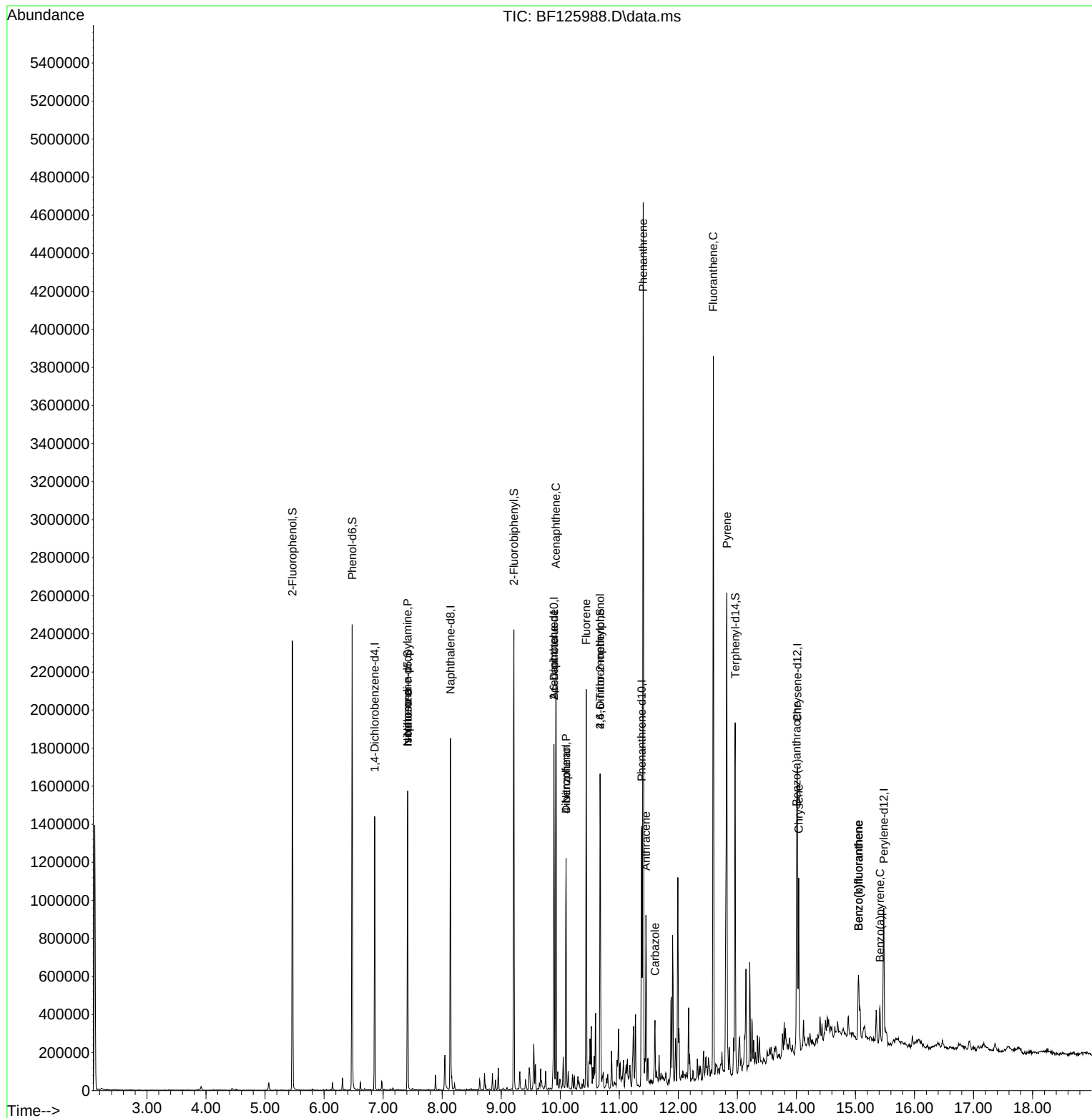
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	173605	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	675883	20.000	ng	# 0.00
39) Acenaphthene-d10	9.892	164	346384	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	553285	20.000	ng	0.00
76) Chrysene-d12	14.015	240	422530	20.000	ng	0.00
86) Perylene-d12	15.480	264	322285	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	549731	47.167	ng	-0.01
7) Phenol-d6	6.475	99	684963	42.848	ng	-0.01
23) Nitrobenzene-d5	7.416	82	425450	32.514	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	122757	40.654	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	686314	35.039	ng	0.00
79) Terphenyl-d14	12.962	244	592598	22.941	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	54389	5.955	ng	# 62
25) Isophorone	7.416	82	423382	16.991	ng	# 59
51) 2,6-Dinitrotoluene	9.892	165	49349	11.661	ng	# 28
52) Acenaphthene	9.927	154	481273	25.630	ng	97
55) Dibenzofuran	10.098	168	411091	14.657	ng	92
56) 4-Nitrophenol	10.098	139	143418	38.041	ng	# 11
58) Fluorene	10.439	166	485101	25.502	ng	98
65) 4,6-Dinitro-2-methylph...	10.674	198	200	6.137	ng	# 1
71) Phenanthrene	11.404	178	1748325	60.897	ng	96
72) Anthracene	11.451	178	311980	10.884	ng	99
73) Carbazole	11.604	167	118397	4.345	ng	97
75) Fluoranthene	12.592	202	1443644	49.881	ng	98
78) Pyrene	12.821	202	1105463	28.114	ng	96
81) Benzo(a)anthracene	14.004	228	278763	9.802	ng	97
83) Chrysene	14.039	228	321365	11.169	ng	100
88) Benzo(b)fluoranthene	15.051	252	264883	12.452	ng	97
89) Benzo(k)fluoranthene	15.051	252	265224	12.980	ng	98
90) Benzo(a)pyrene	15.415	252	92467	5.384	ng	97

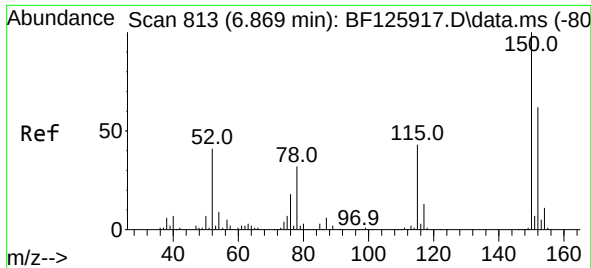
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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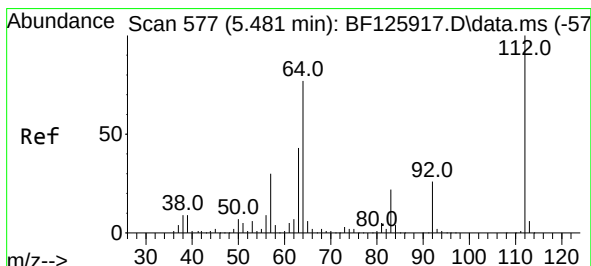
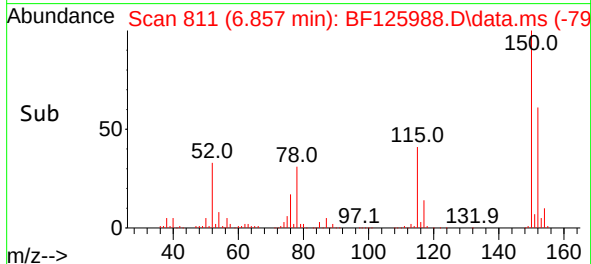
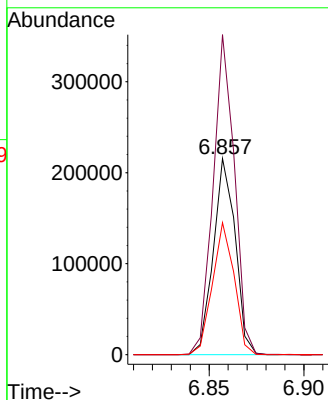
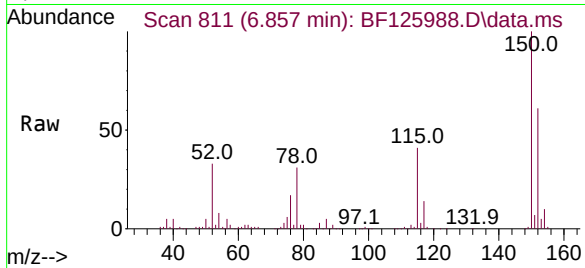




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

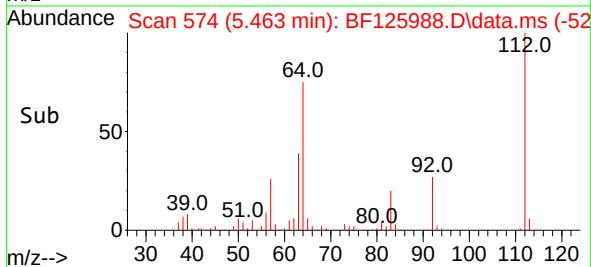
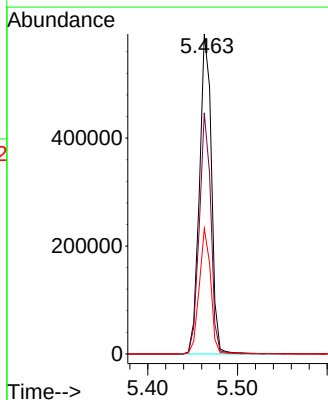
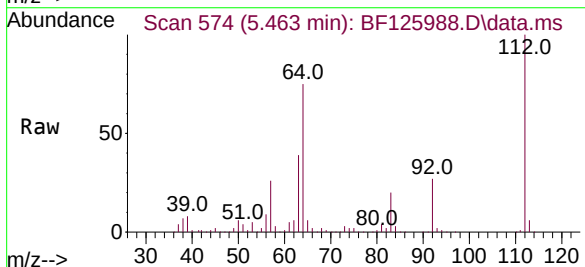
Instrument :
BNA_F
ClientSampleId :
METRO-SPDL

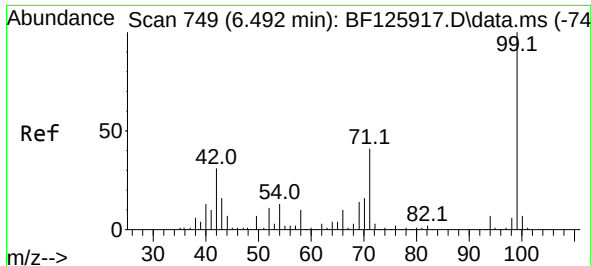
Tgt Ion:152 Resp: 173605
Ion Ratio Lower Upper
152 100
150 163.1 117.6 176.4
115 67.3 47.1 70.7



#5
2-Fluorophenol
Concen: 47.167 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.012 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

Tgt Ion:112 Resp: 549731
Ion Ratio Lower Upper
112 100
64 75.3 44.2 66.2#
63 39.2 26.2 39.2

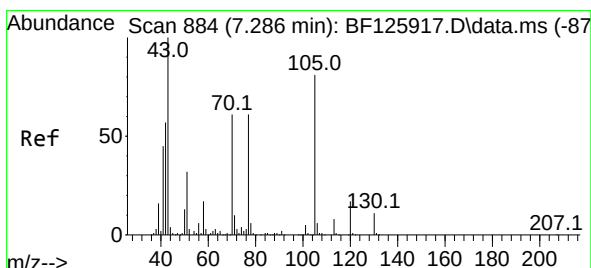
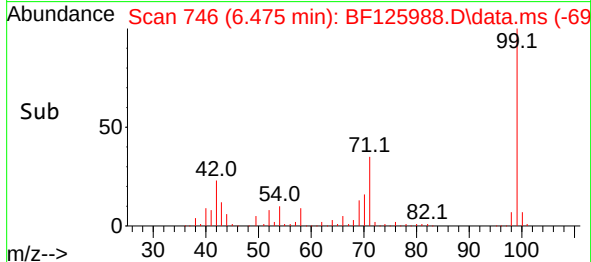
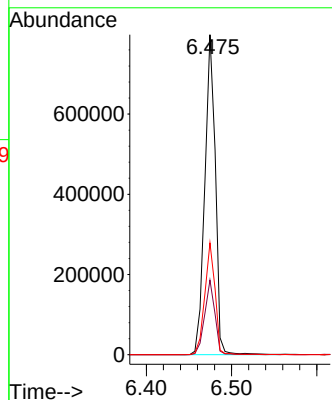
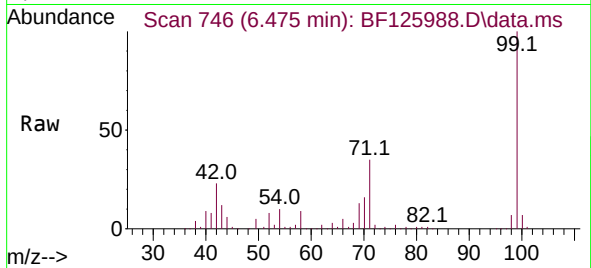




#7
Phenol-d6
Concen: 42.848 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.012 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

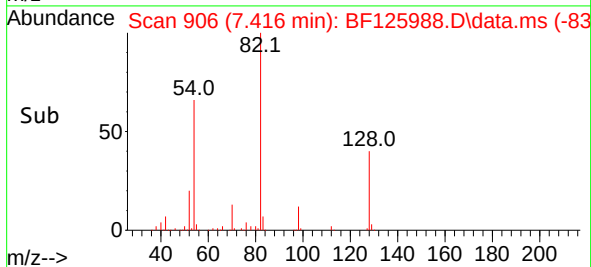
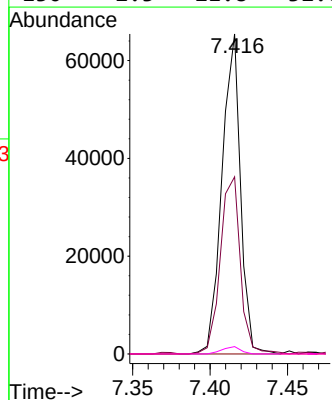
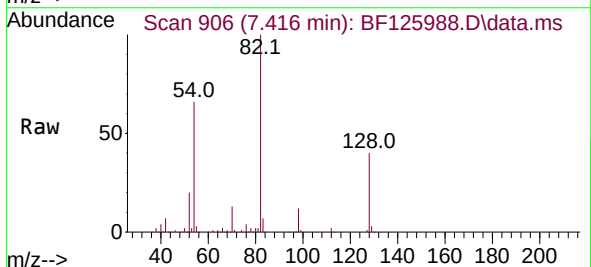
Instrument :
BNA_F
ClientSampleId :
METRO-SPDL

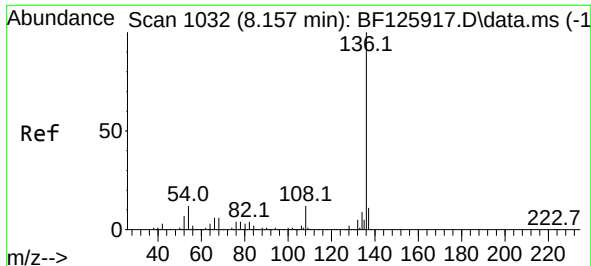
Tgt Ion: 99 Resp: 684963
Ion Ratio Lower Upper
99 100
42 23.3 23.5 35.3#
71 34.9 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.955 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

Tgt Ion: 70 Resp: 54389
Ion Ratio Lower Upper
70 100
42 55.3 72.2 108.2#
101 0.0 7.8 11.8#
130 2.3 21.8 32.6#

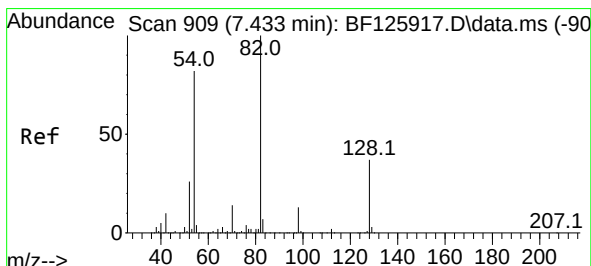
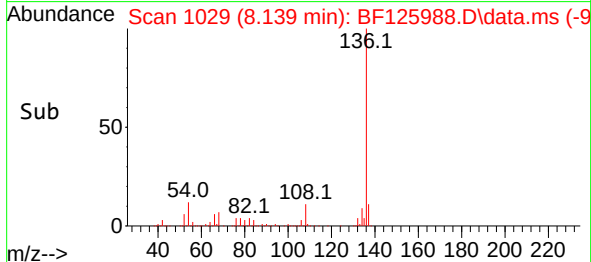
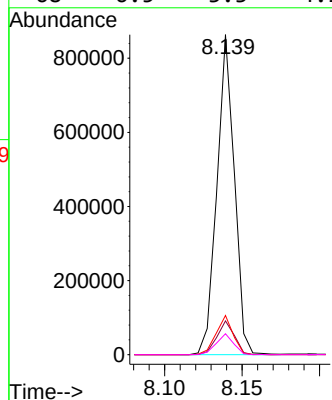
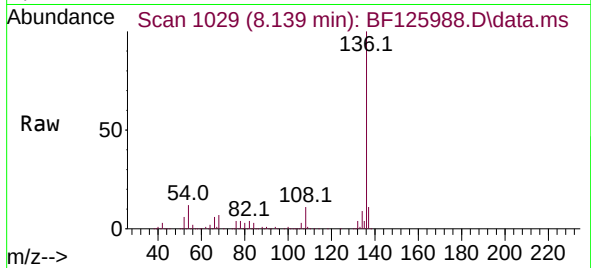




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

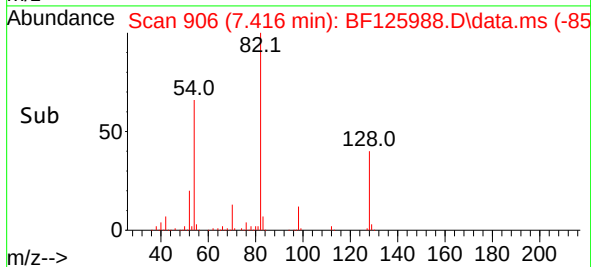
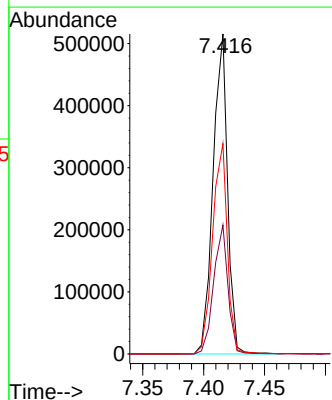
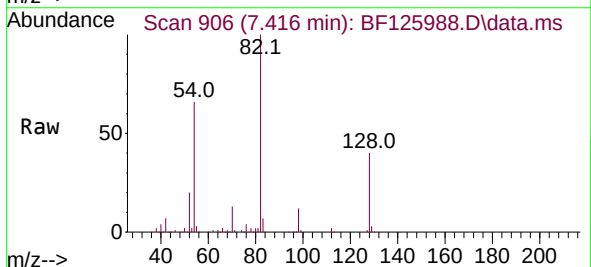
Instrument :
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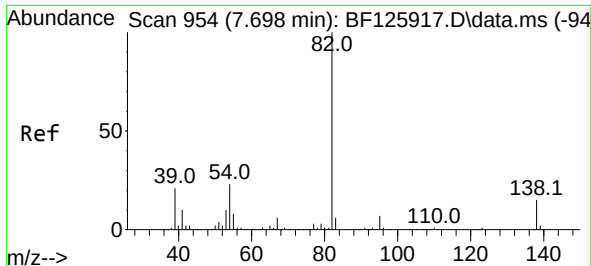
Tgt Ion:136	Resp: 675883
Ion Ratio	Lower Upper
136 100	
137 10.5	9.8 14.6
54 12.2	6.4 9.6#
68 6.5	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 32.514 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

Tgt Ion: 82	Resp: 425450
Ion Ratio	Lower Upper
82 100	
128 40.3	40.6 60.8#
54 65.7	49.6 74.4

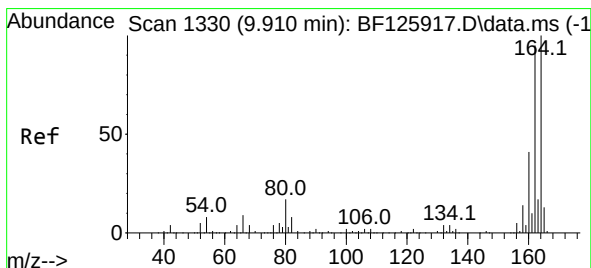
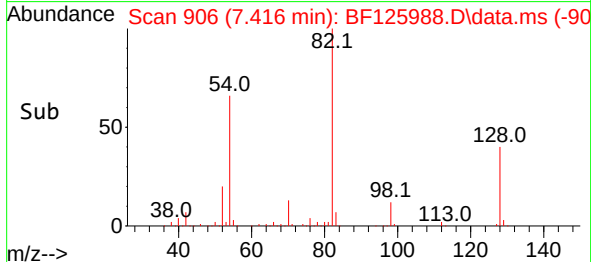
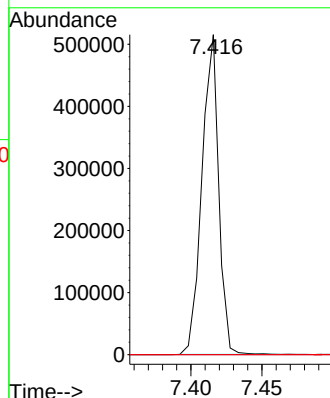
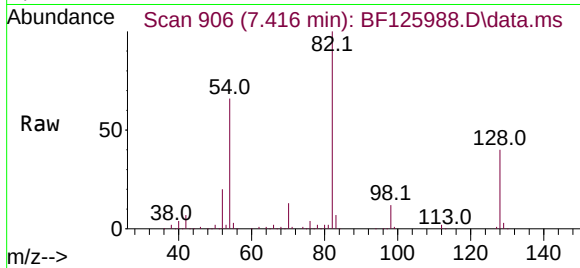




#25
Isophorone
Concen: 16.991 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.271 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

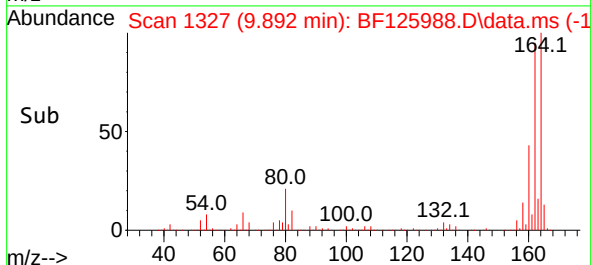
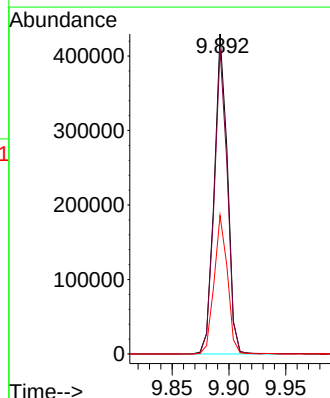
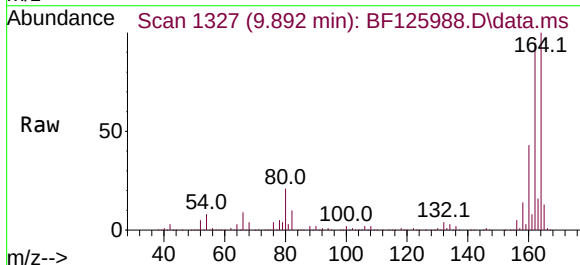
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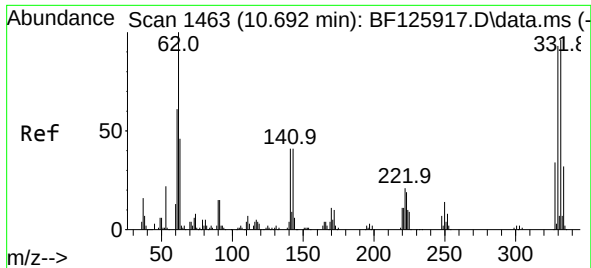
Tgt Ion: 82 Resp: 423382
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

Tgt Ion:164 Resp: 346384
Ion Ratio Lower Upper
164 100
162 95.3 81.3 121.9
160 43.3 38.0 57.0

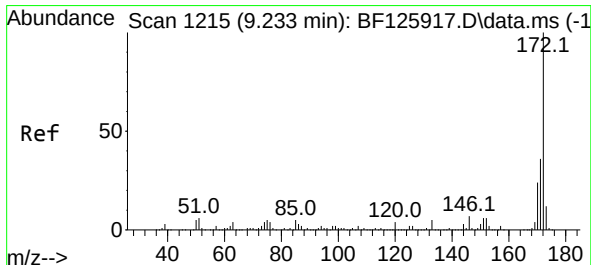
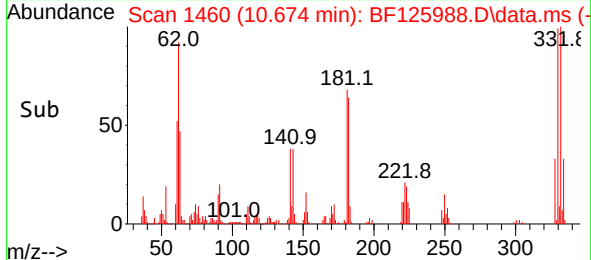
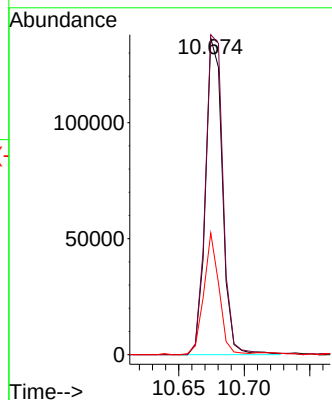
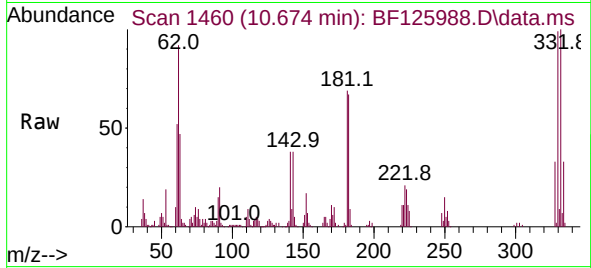




#42
2,4,6-Tribromophenol
Concen: 40.654 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

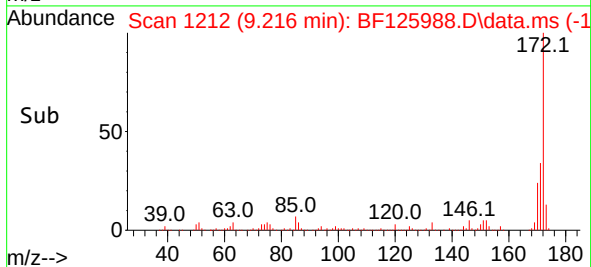
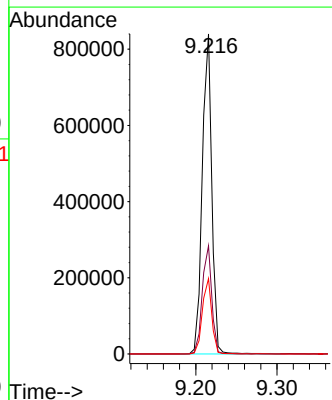
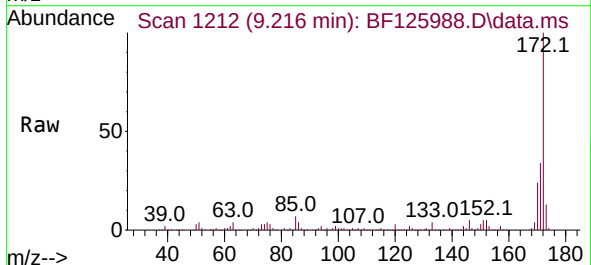
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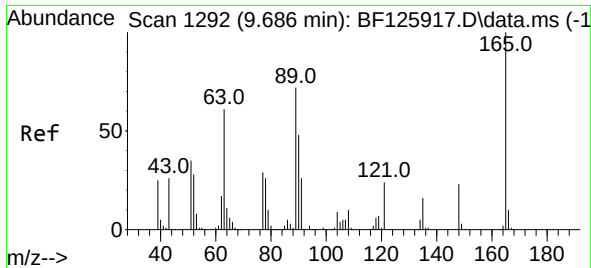
Tgt Ion:330 Resp: 122757
Ion Ratio Lower Upper
330 100
332 105.8 76.2 114.4
141 34.6 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 35.039 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

Tgt Ion:172 Resp: 686314
Ion Ratio Lower Upper
172 100
171 33.8 26.5 39.7
170 23.6 18.8 28.2

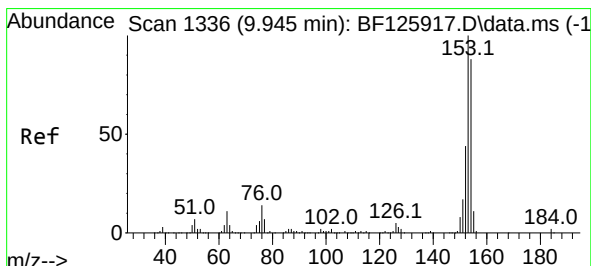
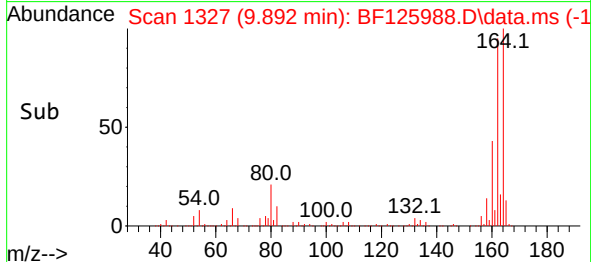
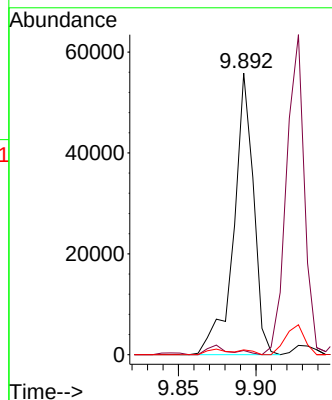
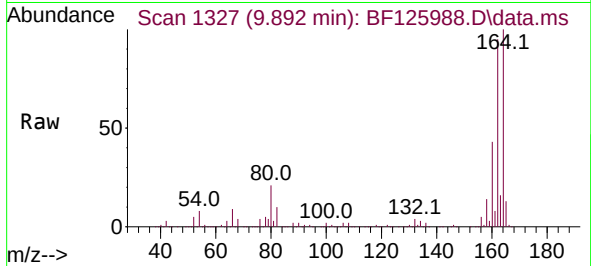




#51
2,6-Dinitrotoluene
Concen: 11.661 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.212 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

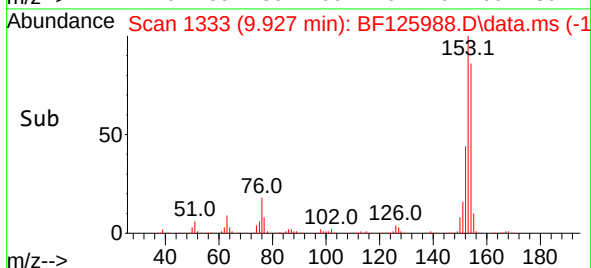
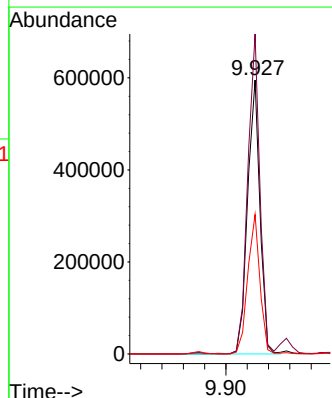
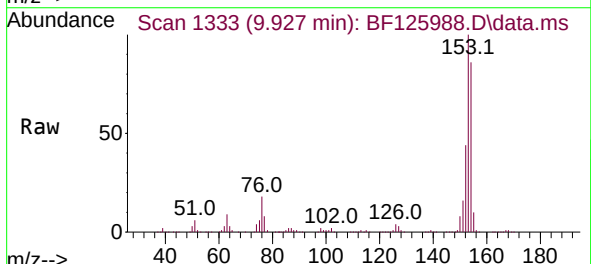
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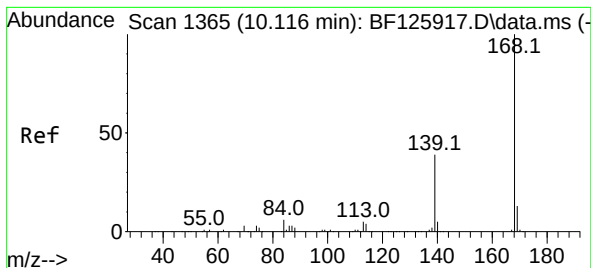
Tgt Ion:165 Resp: 49349
Ion Ratio Lower Upper
165 100
63 1.5 42.6 63.8#
89 1.7 40.6 60.8#



#52
Acenaphthene
Concen: 25.630 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

Tgt Ion:154 Resp: 481273
Ion Ratio Lower Upper
154 100
153 116.8 89.4 134.2
152 50.9 40.5 60.7

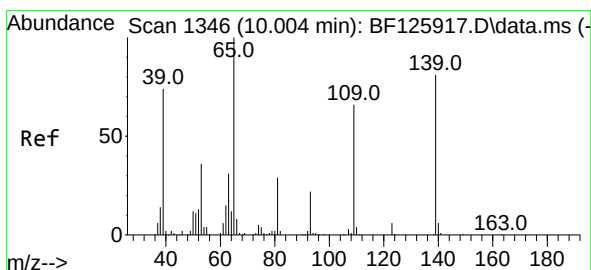
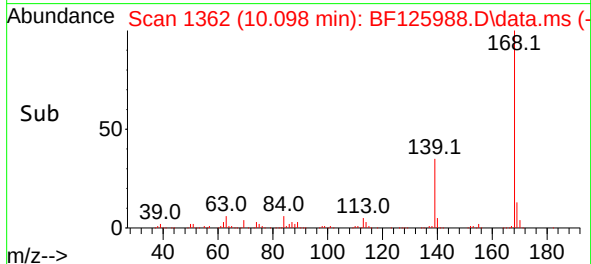
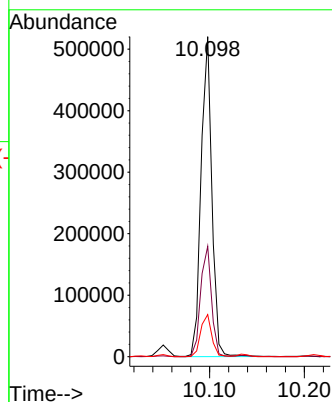
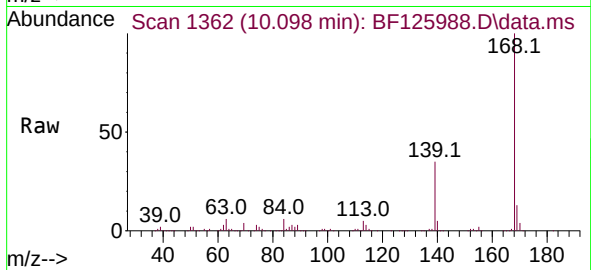




#55
Dibenzofuran
Concen: 14.657 ng
RT: 10.098 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

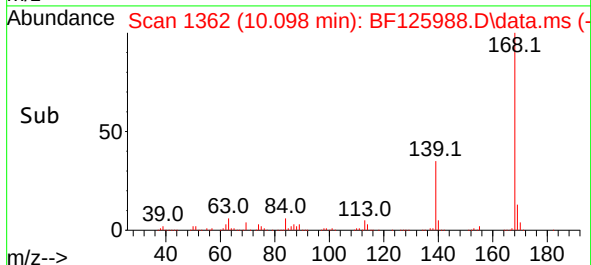
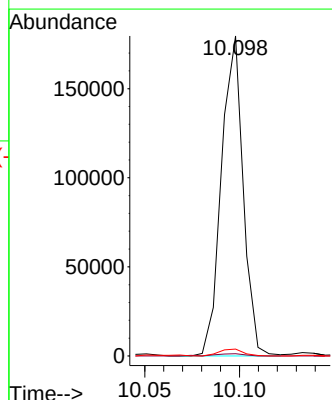
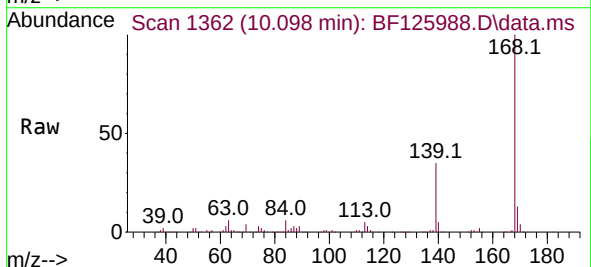
Instrument :
BNA_F
ClientSampleId :
METRO-SPDL

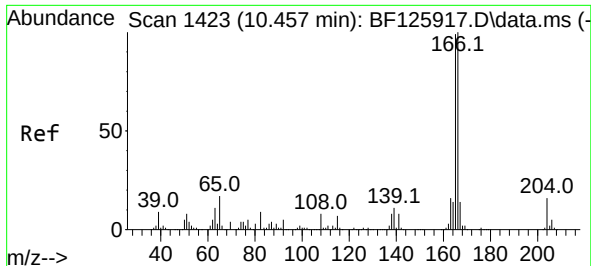
Tgt Ion:168 Resp: 411091
Ion Ratio Lower Upper
168 100
139 34.5 32.7 49.1
169 13.2 11.2 16.8



#56
4-Nitrophenol
Concen: 38.041 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.100 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

Tgt Ion:139 Resp: 143418
Ion Ratio Lower Upper
139 100
109 0.7 60.4 100.4#
65 2.2 58.4 98.4#

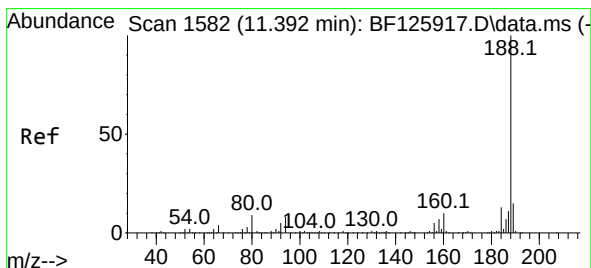
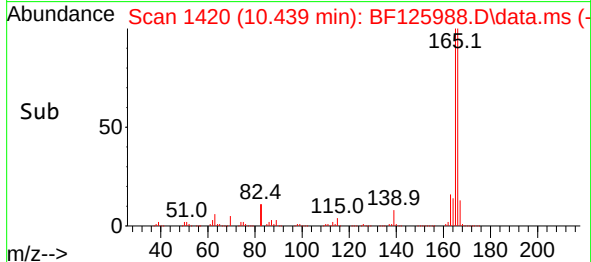
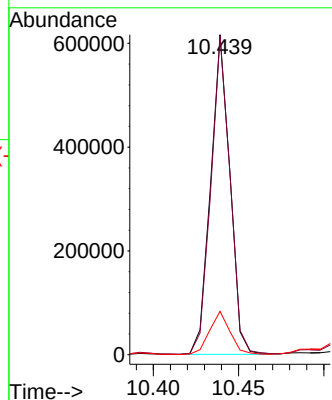
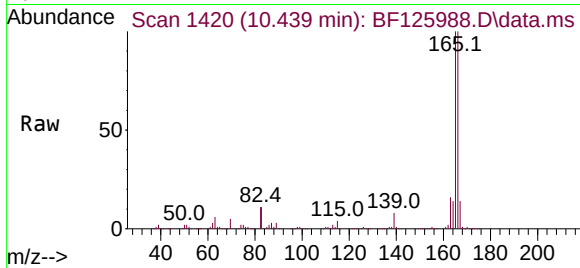




#58
Fluorene
Concen: 25.502 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

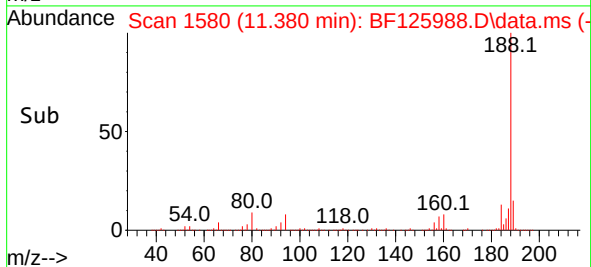
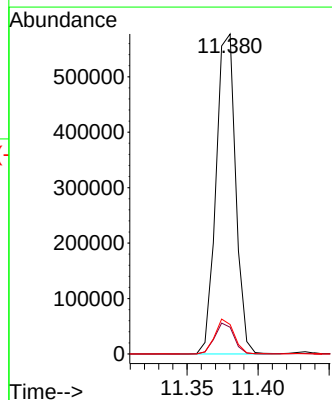
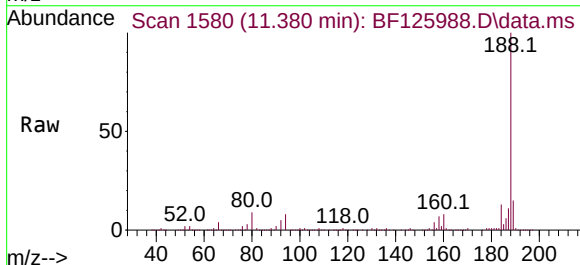
Instrument :
BNA_F
ClientSampleId :
METRO-SPDL

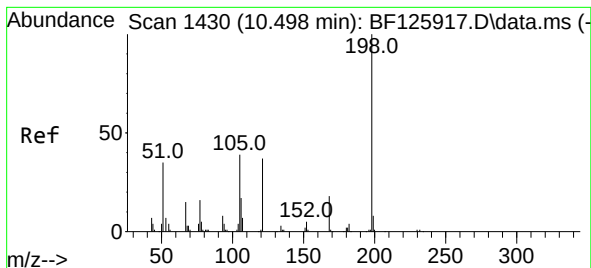
Tgt Ion:166 Resp: 485101
Ion Ratio Lower Upper
166 100
165 99.6 78.1 117.1
167 13.6 11.1 16.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

Tgt Ion:188 Resp: 553285
Ion Ratio Lower Upper
188 100
94 8.4 6.7 10.1
80 9.2 7.5 11.3

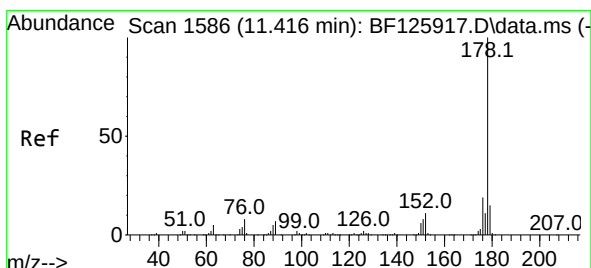
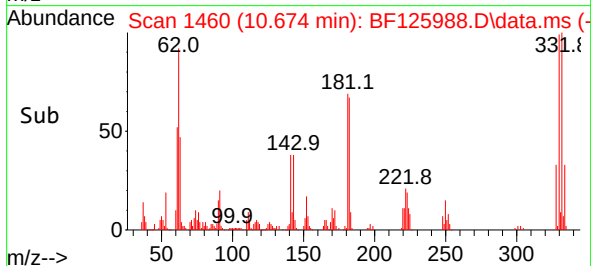
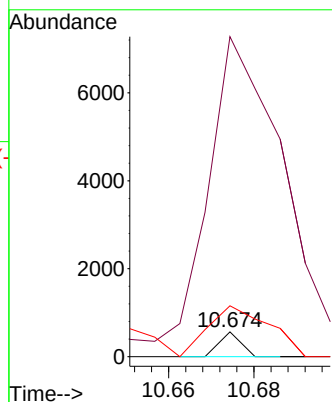
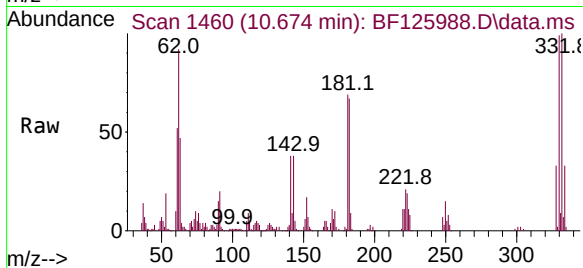




#65
4,6-Dinitro-2-methylphenol
Concen: 6.137 ng
RT: 10.674 min Scan# 1460
Delta R.T. 0.188 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

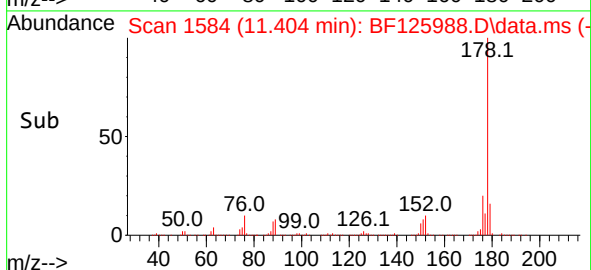
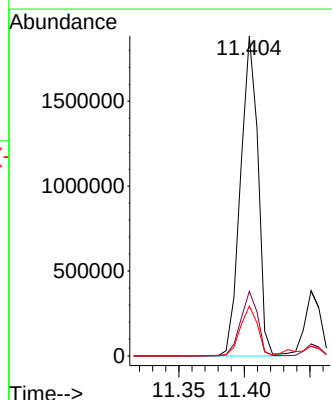
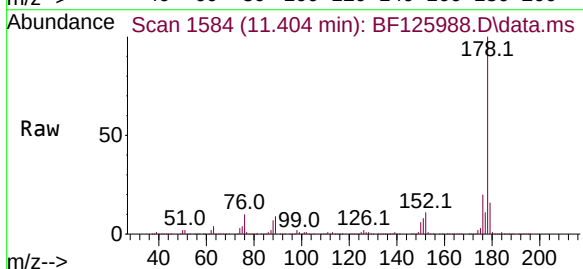
Instrument :
BNA_F
ClientSampleId :
METRO-SPDL

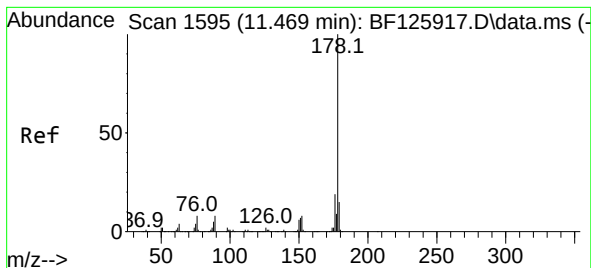
Tgt Ion:198 Resp: 200
Ion Ratio Lower Upper
198 100
51 270.5 45.3 85.3#
105 43.0 30.6 70.6



#71
Phenanthrene
Concen: 60.897 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

Tgt Ion:178 Resp: 1748325
Ion Ratio Lower Upper
178 100
176 20.2 14.7 22.1
179 15.6 11.5 17.3

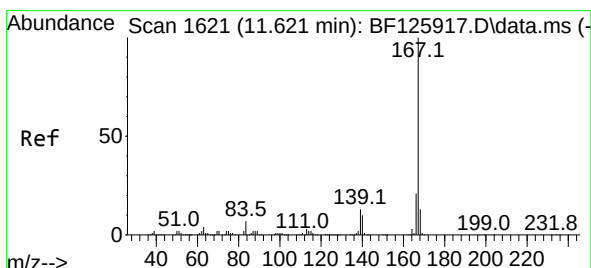
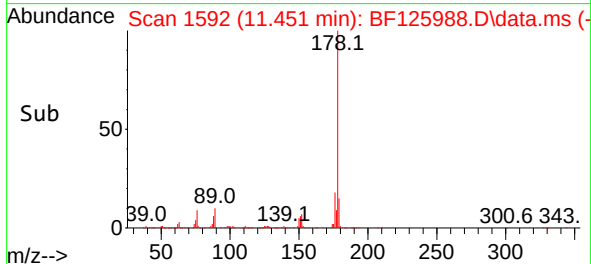
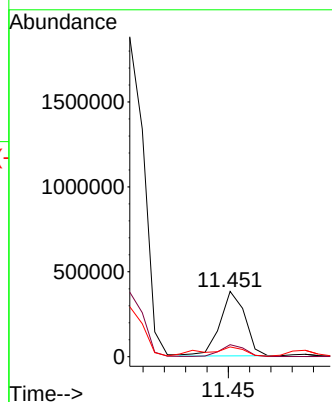
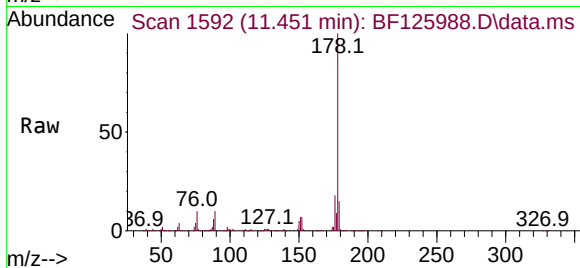




#72
 Anthracene
 Concen: 10.884 ng
 RT: 11.451 min Scan# 1592
 Delta R.T. -0.006 min
 Lab File: BF125988.D
 Acq: 28 Oct 2021 14:44

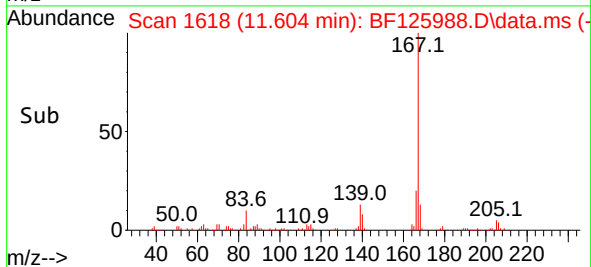
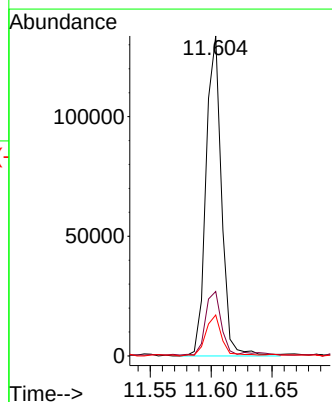
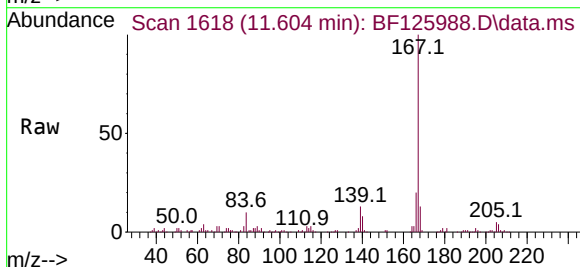
Instrument :
 BNA_F
 ClientSampleId :
 METRO-SPDL

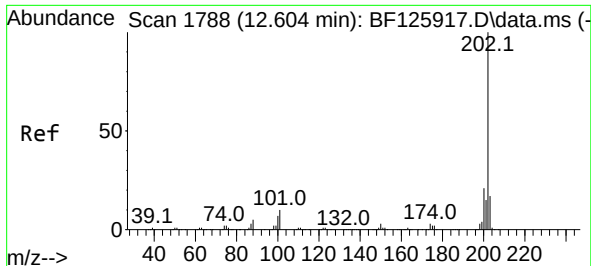
Tgt Ion:178 Resp: 311980
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.3 21.5
 179 15.0 12.2 18.4



#73
 Carbazole
 Concen: 4.345 ng
 RT: 11.604 min Scan# 1618
 Delta R.T. -0.006 min
 Lab File: BF125988.D
 Acq: 28 Oct 2021 14:44

Tgt Ion:167 Resp: 118397
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.4 26.0
 139 12.8 11.0 16.4

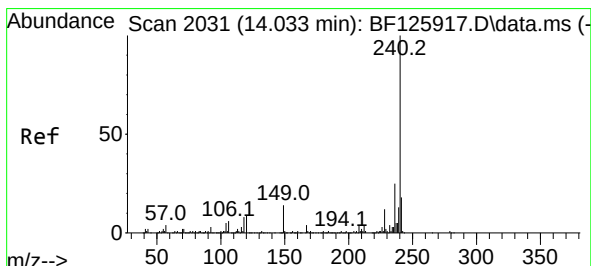
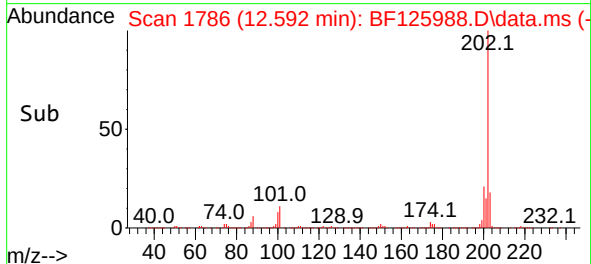
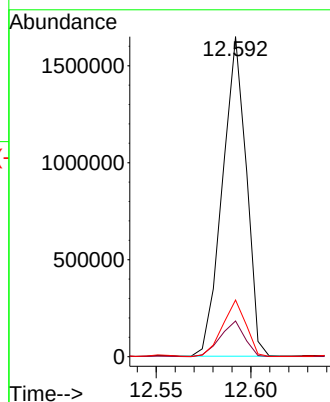
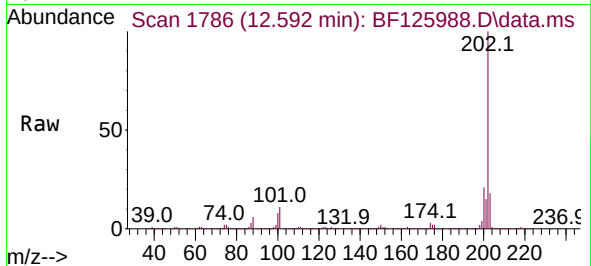




#75
Fluoranthene
Concen: 49.881 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

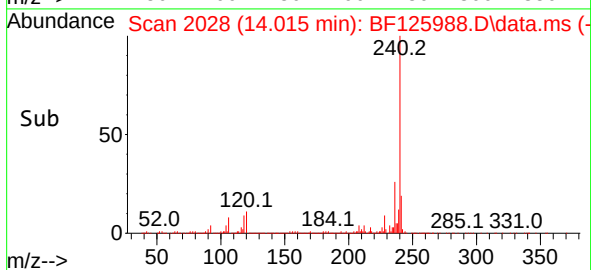
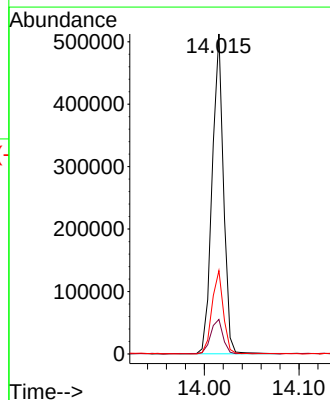
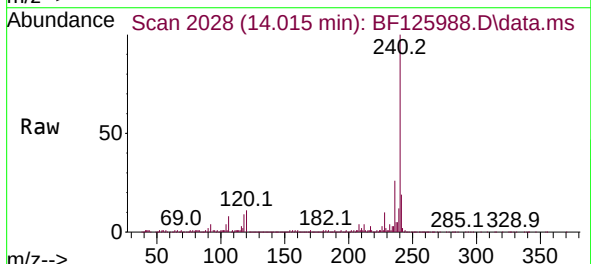
Instrument :
BNA_F
ClientSampleId :
METRO-SPDL

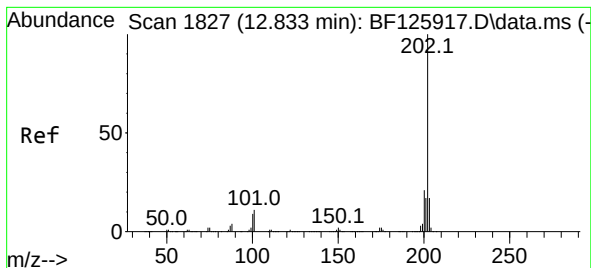
Tgt Ion:202 Resp: 1443644
Ion Ratio Lower Upper
202 100
101 11.2 0.0 30.7
203 17.7 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

Tgt Ion:240 Resp: 422530
Ion Ratio Lower Upper
240 100
120 10.8 10.8 16.2
236 26.1 21.6 32.4





#78

Pyrene

Concen: 28.114 ng

RT: 12.821 min Scan# 1825

Delta R.T. -0.000 min

Lab File: BF125988.D

Acq: 28 Oct 2021 14:44

Tgt Ion:202 Resp: 1105463

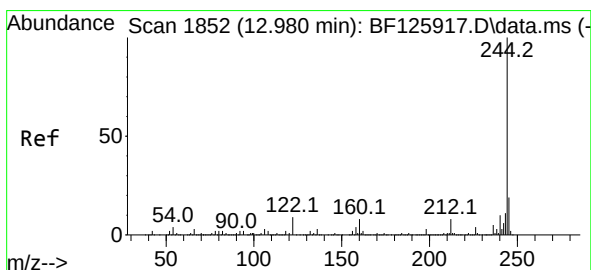
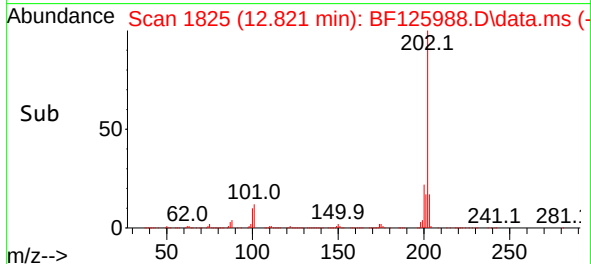
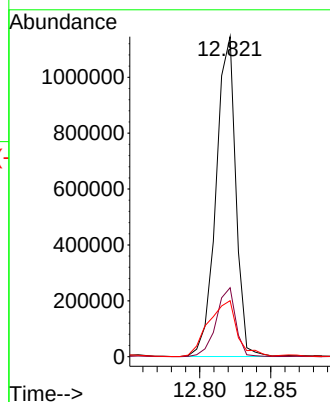
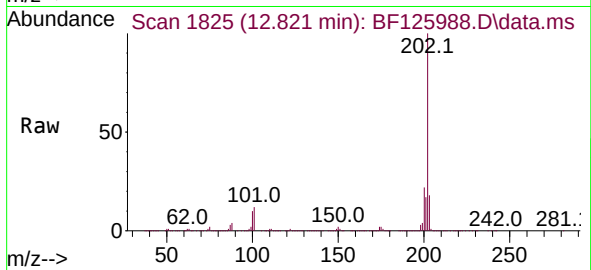
Ion	Ratio	Lower	Upper
202	100		
200	21.6	15.3	22.9
203	17.5	13.4	20.0

Instrument :

BNA_F

ClientSampleId :

METRO-SPDL



#79

Terphenyl-d14

Concen: 22.941 ng

RT: 12.962 min Scan# 1849

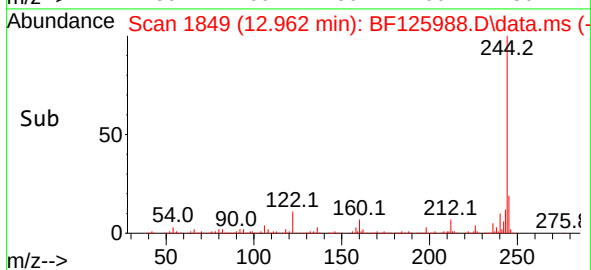
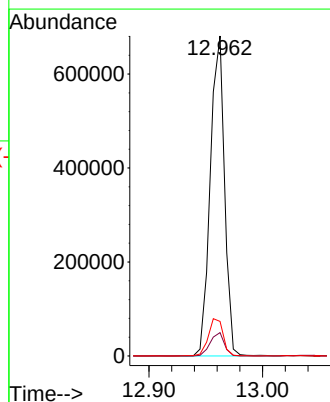
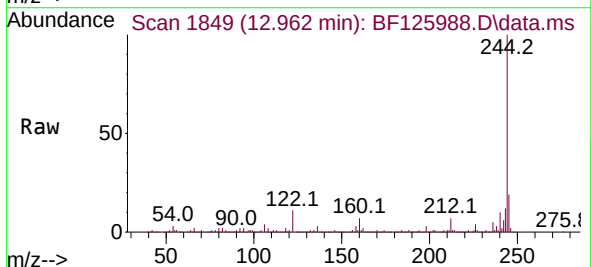
Delta R.T. -0.006 min

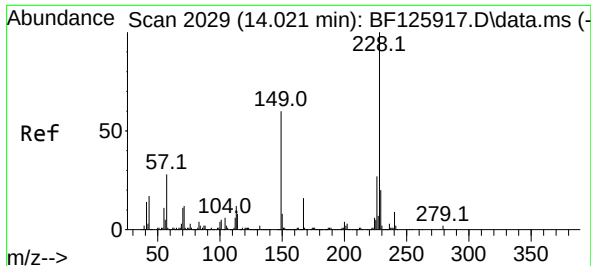
Lab File: BF125988.D

Acq: 28 Oct 2021 14:44

Tgt Ion:244 Resp: 592598

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	10.8	9.0	13.4

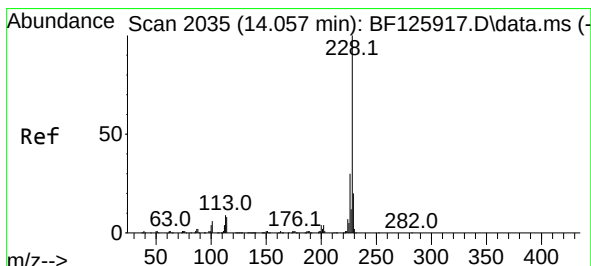
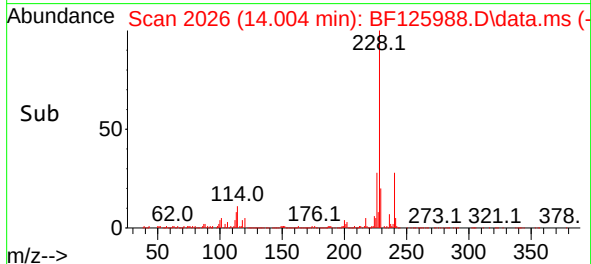
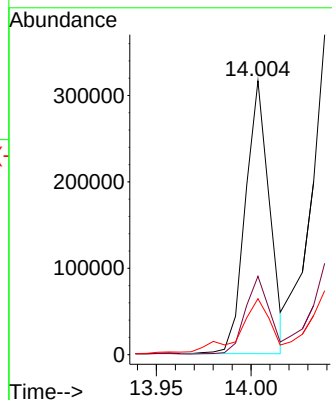
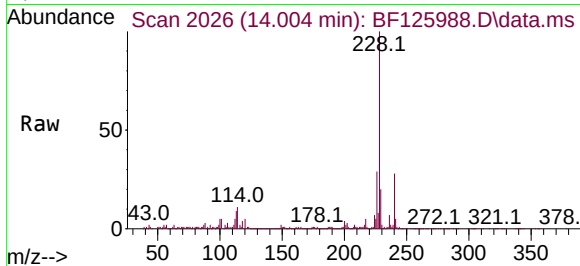




#81
Benzo(a)anthracene
Concen: 9.802 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

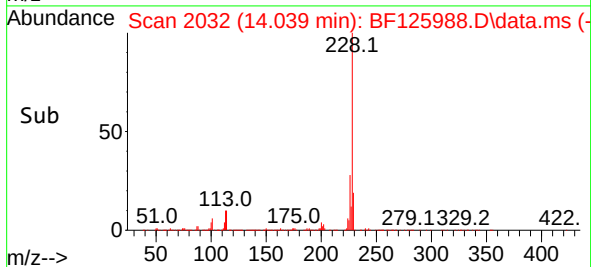
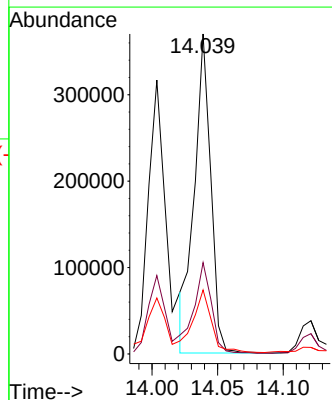
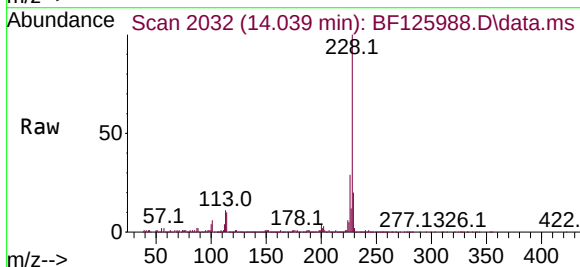
Instrument :
BNA_F
ClientSampleId :
METRO-SPDL

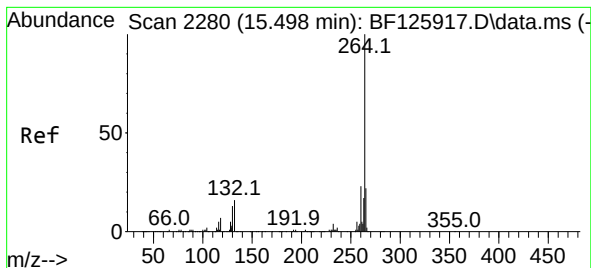
Tgt Ion:228	Resp:	278763	
Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.6	32.4
229	20.4	15.6	23.4



#83
Chrysene
Concen: 11.169 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF125988.D
Acq: 28 Oct 2021 14:44

Tgt Ion:228	Resp:	321365	
Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	34.0
229	20.0	15.9	23.9

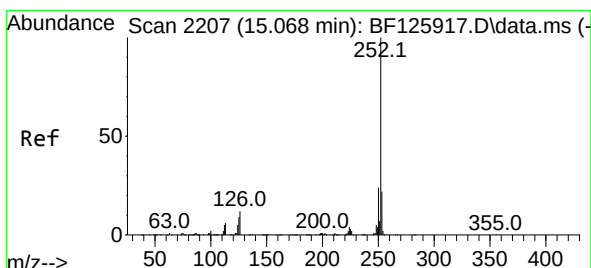
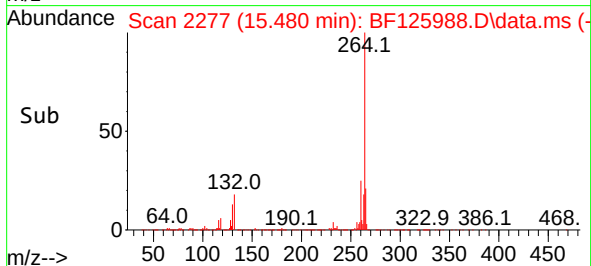
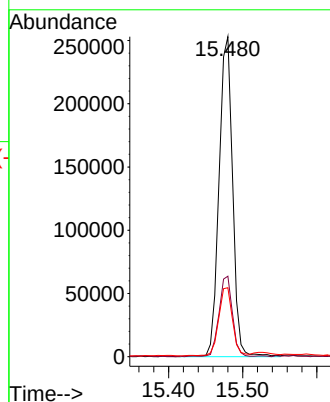
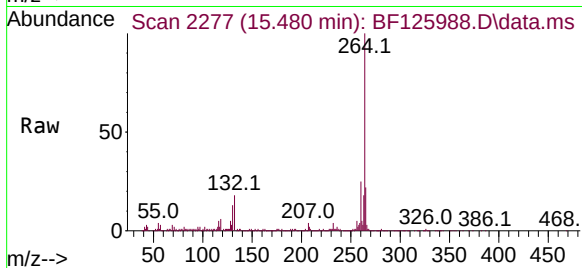




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.480 min Scan# 2277
 Delta R.T. -0.000 min
 Lab File: BF125988.D
 Acq: 28 Oct 2021 14:44

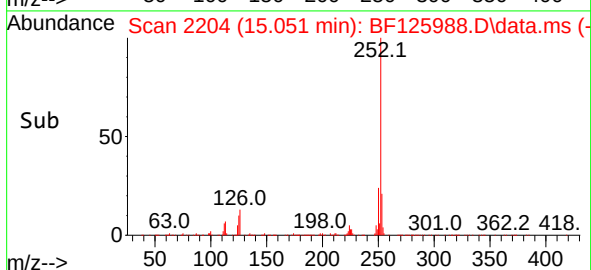
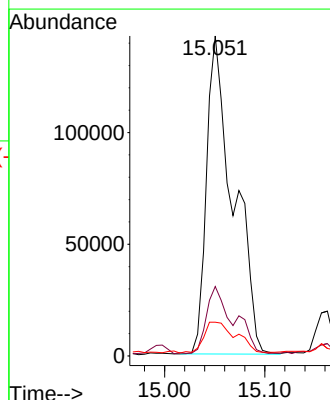
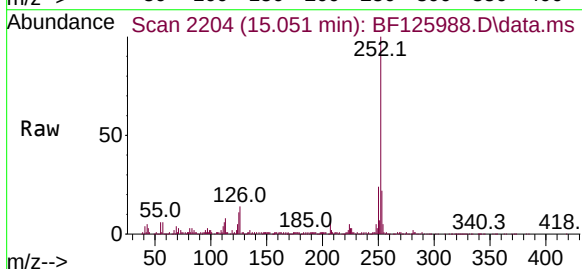
Instrument :
 BNA_F
 ClientSampleId :
 METRO-SPDL

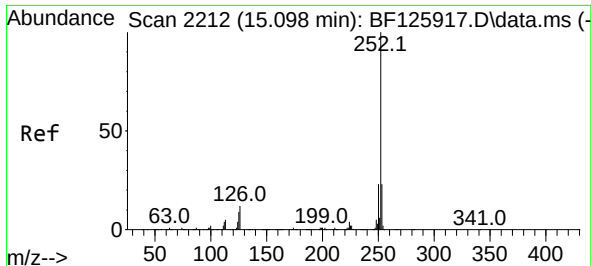
Tgt Ion:264	Resp:	322285
Ion Ratio	Lower	Upper
264	100	
260	25.2	19.6 29.4
265	21.6	17.2 25.8



#88
 Benzo(b)fluoranthene
 Concen: 12.452 ng
 RT: 15.051 min Scan# 2204
 Delta R.T. -0.006 min
 Lab File: BF125988.D
 Acq: 28 Oct 2021 14:44

Tgt Ion:252	Resp:	264883
Ion Ratio	Lower	Upper
252	100	
253	21.7	16.8 25.2
125	10.5	9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 12.980 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.035 min

Lab File: BF125988.D

Acq: 28 Oct 2021 14:44

Tgt Ion:252 Resp: 265224

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

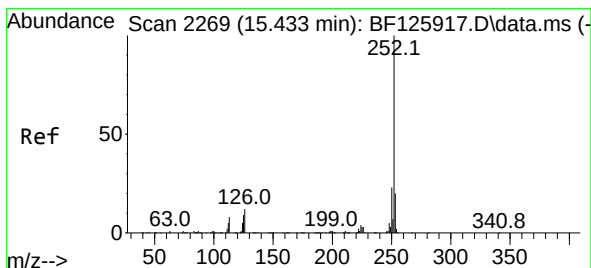
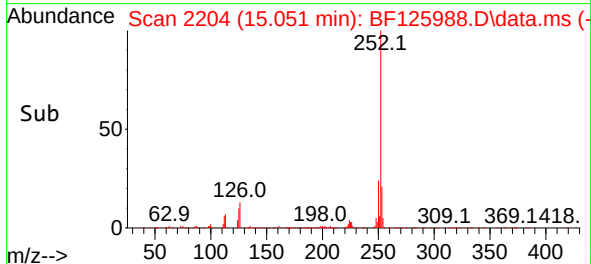
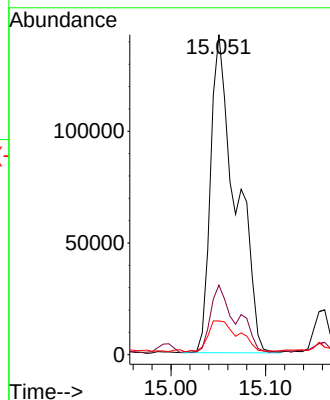
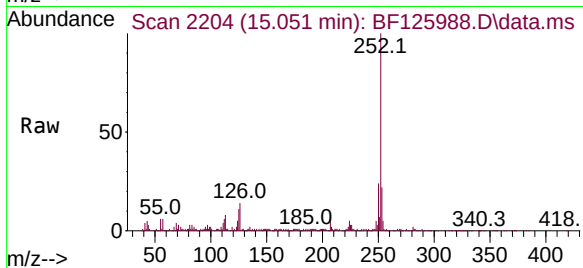
125 10.5 7.2 10.8

Instrument :

BNA_F

ClientSampleId :

METRO-SPDL



#90

Benzo(a)pyrene

Concen: 5.384 ng

RT: 15.415 min Scan# 2266

Delta R.T. -0.006 min

Lab File: BF125988.D

Acq: 28 Oct 2021 14:44

Tgt Ion:252 Resp: 92467

Ion Ratio Lower Upper

252 100

253 24.6 18.4 27.6

125 13.1 9.9 14.9

