

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090921\
 Data File : BF125415.D
 Acq On : 9 Sep 2021 16:42
 Operator : JU/CG
 Sample : M3669-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UTILITY-POLES-BRIGE-PIERS-DEC

Manual Integrations
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Quant Time: Sep 09 17:14:27 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 08 14:14:01 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	158828	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	585114	20.000	ng	# 0.00
39) Acenaphthene-d10	9.928	164	266319	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	425863	20.000	ng	0.00
76) Chrysene-d12	14.057	240	337412	20.000	ng	0.00
86) Perylene-d12	15.551	264	269115	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	976189	93.029	ng	0.02
7) Phenol-d6	6.557	99	977703	72.042	ng	0.03
23) Nitrobenzene-d5	7.457	82	828813	71.312	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	328932	123.731	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1383733	72.415	ng	0.00
79) Terphenyl-d14	13.004	244	1418064	66.954	ng	0.00
Target Compounds						Qvalue
3) Pyridine	3.563	79	42577	3.115	ng	92
9) Benzaldehyde	6.440	77	105895	11.118	ng	99
10) Phenol	6.581	94	3680370	258.958	ng	93
15) Benzyl Alcohol	7.051	79	109646	10.493	ng	97
17) 2-Methylphenol	7.163	107	1281452m	142.506	ng	
20) 3+4-Methylphenols	7.334	107	4373968	387.496	ng	# 82
27) 2,4-Dimethylphenol	7.857	122	1511255	170.711	ng	90
31) Naphthalene	8.198	128	1947619	64.995	ng	100
37) 2-Methylnaphthalene	8.886	142	431617	21.797	ng	99
38) 1-Methylnaphthalene	8.986	142	391752	21.186	ng	94
46) 1,1'-Biphenyl	9.351	154	130358	6.071	ng	98
49) Acenaphthylene	9.792	152	58899	2.317	ng	# 92
52) Acenaphthene	9.963	154	462252	29.328	ng	98
55) Dibenzofuran	10.133	168	495029	21.823	ng	97
58) Fluorene	10.475	166	350192	20.882	ng	98
70) Pentachlorophenol	11.227	266	50788	16.534	ng	93
71) Phenanthrene	11.445	178	818286	34.872	ng	99
72) Anthracene	11.492	178	180967	7.824	ng	99
73) Carbazole	11.651	167	737211	34.880	ng	99
75) Fluoranthene	12.627	202	187402	8.049	ng	98
78) Pyrene	12.857	202	115254	3.982	ng	95

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

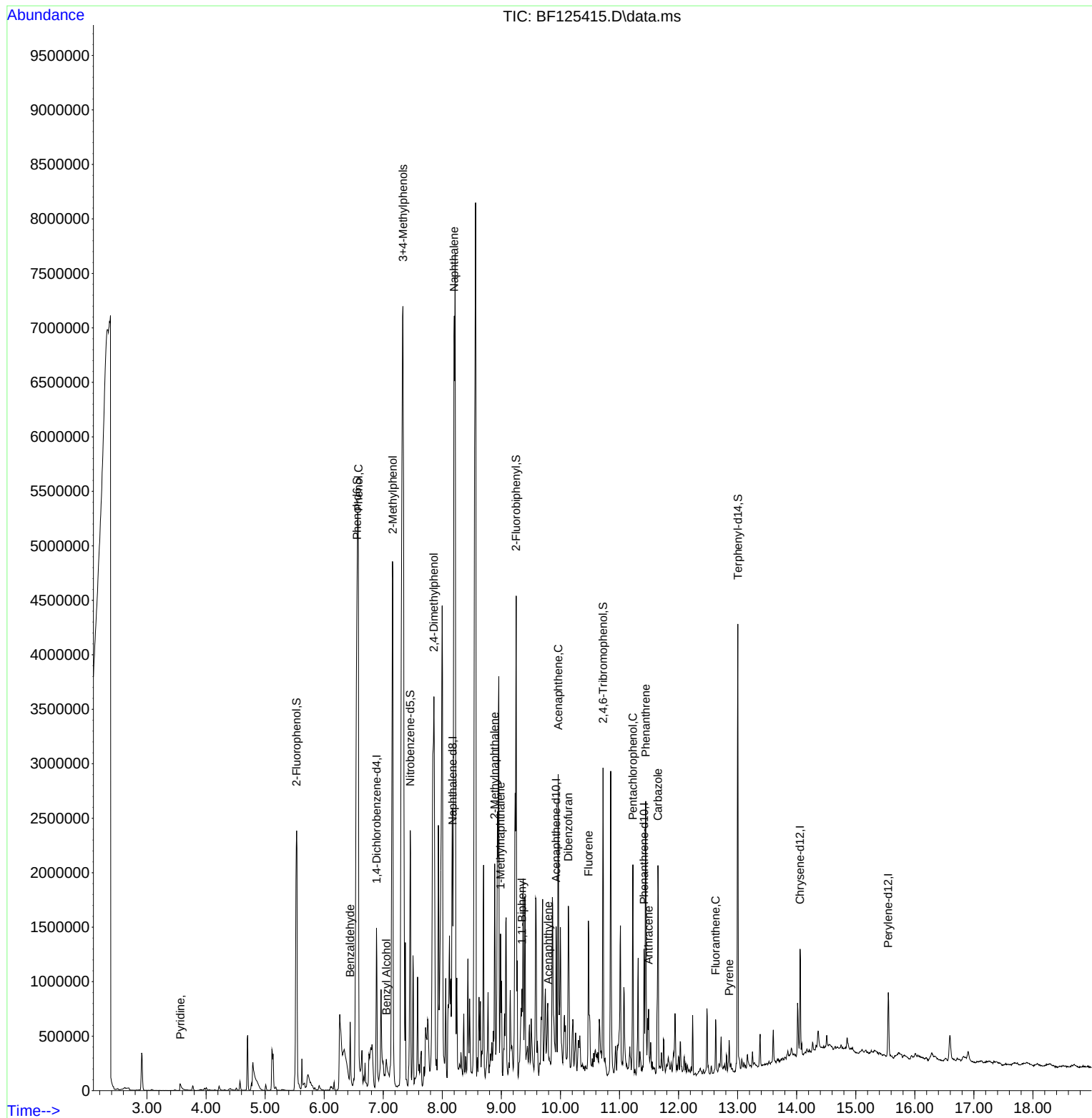
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090921\
Data File : BF125415.D
Acq On : 9 Sep 2021 16:42
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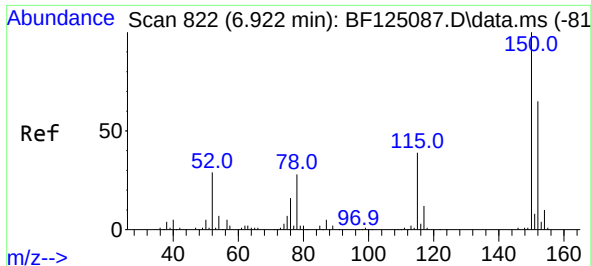
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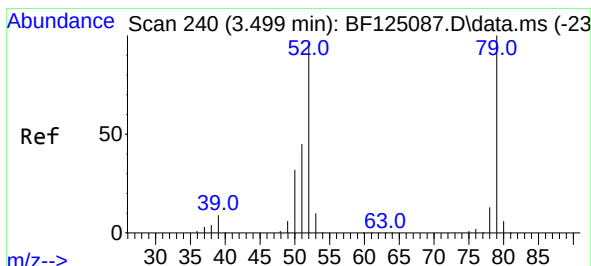
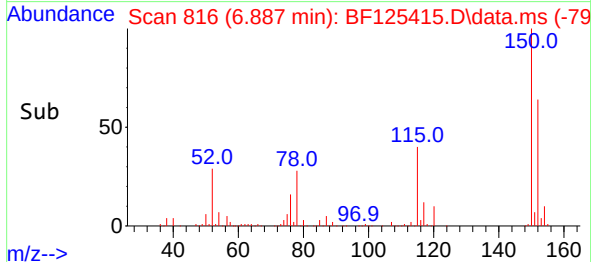
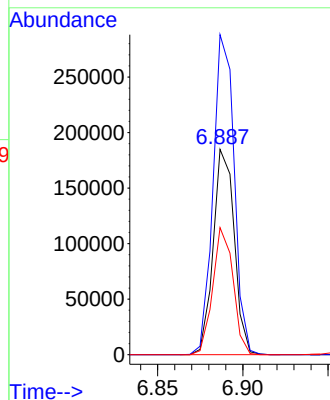
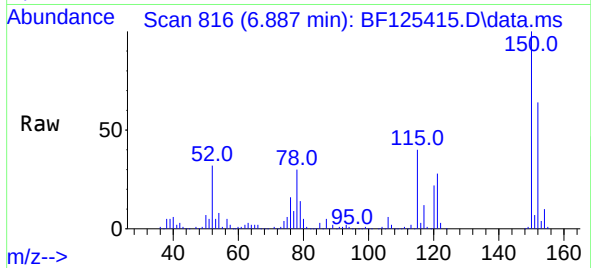
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

Tgt Ion:152 Resp: 158828
Ion Ratio Lower Upper
152 100
150 155.8 117.6 176.4
115 61.9 47.1 70.7

Instrument :
BNA_F
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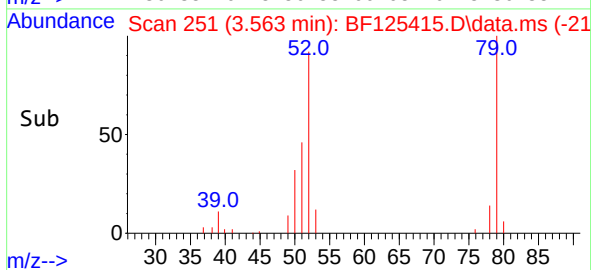
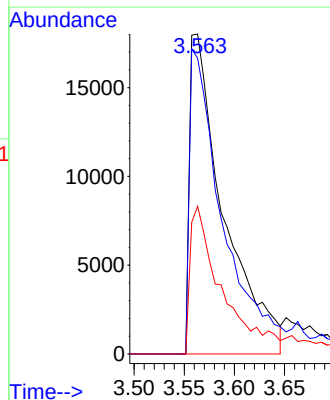
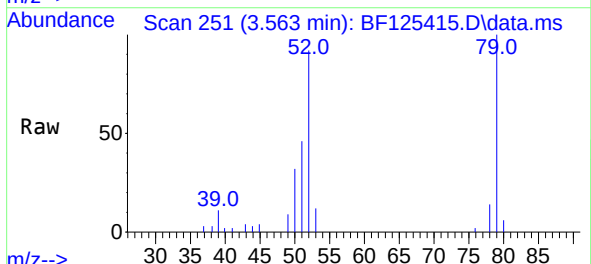
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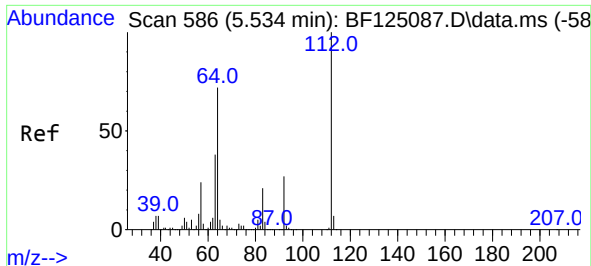
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#3
Pyridine
Concen: 3.115 ng
RT: 3.563 min Scan# 251
Delta R.T. 0.124 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

Tgt Ion: 79 Resp: 42577
Ion Ratio Lower Upper
79 100
52 92.4 70.3 105.5
51 46.1 44.1 66.1





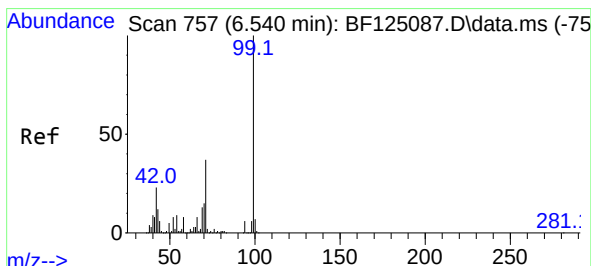
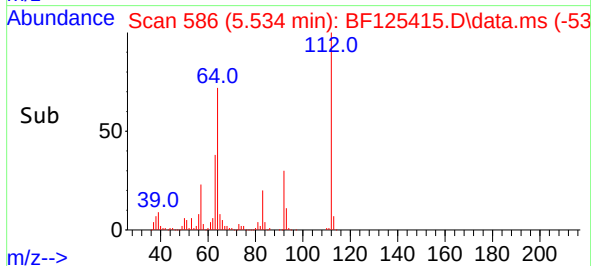
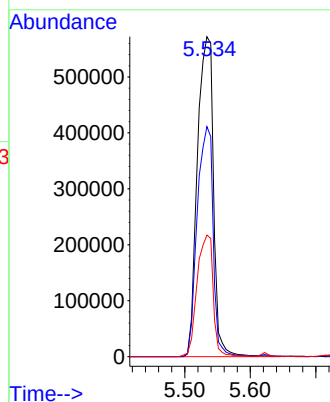
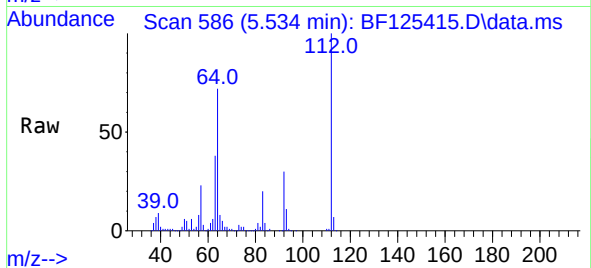
#5
2-Fluorophenol
Concen: 93.029 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.024 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

Tgt Ion: 112 Resp: 976189
Ion Ratio Lower Upper
112 100
64 71.9 44.2 66.2#
63 38.0 26.2 39.2

Instrument :
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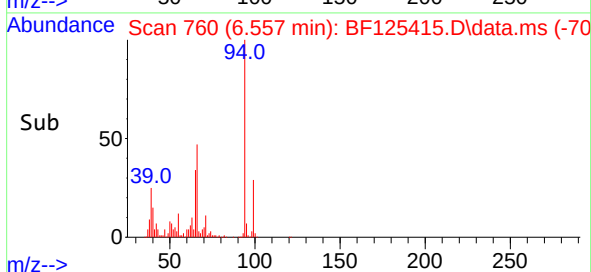
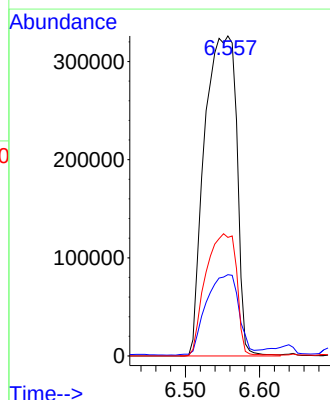
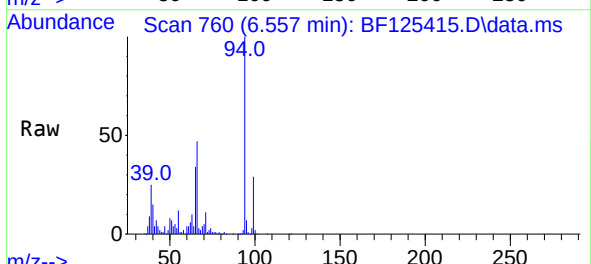
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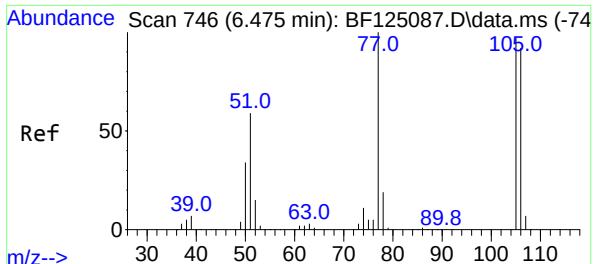
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#7
Phenol-d6
Concen: 72.042 ng
RT: 6.557 min Scan# 760
Delta R.T. 0.030 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

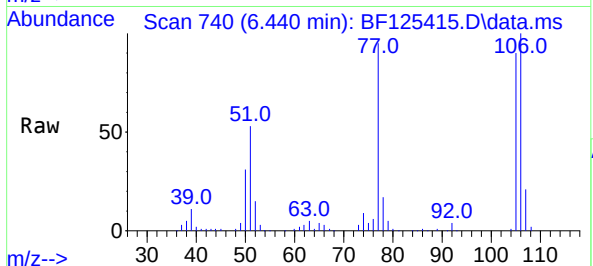
Tgt Ion: 99 Resp: 977703
Ion Ratio Lower Upper
99 100
42 25.4 23.5 35.3
71 37.1 25.6 38.4





#9
Benzaldehyde
Concen: 11.118 ng
RT: 6.440 min Scan# 740
Delta R.T. 0.000 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

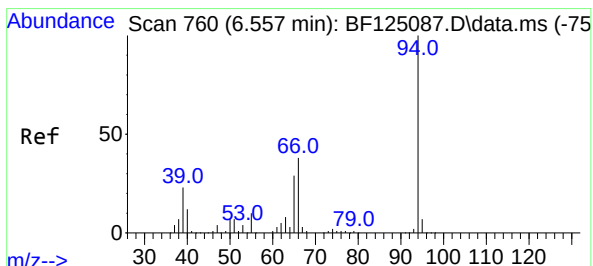
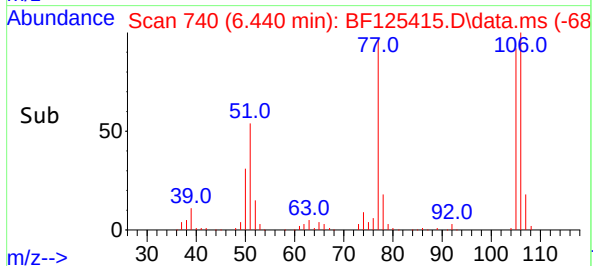
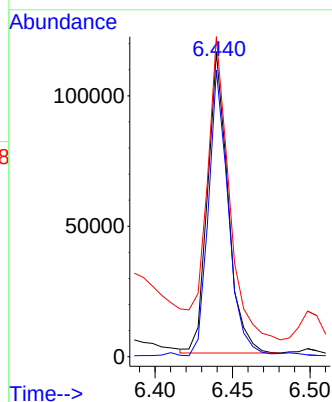
Instrument :
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ClientSampleId :
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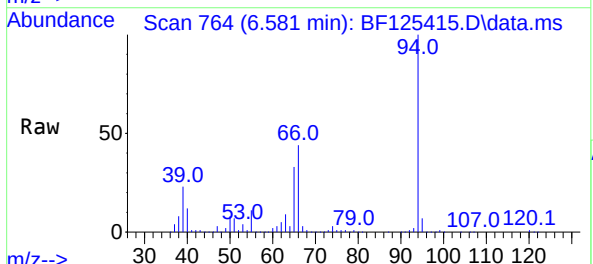
Tgt Ion: 77 Resp: 105895
Ion Ratio Lower Upper
77 100
105 94.2 75.9 115.9
106 105.2 84.0 124.0

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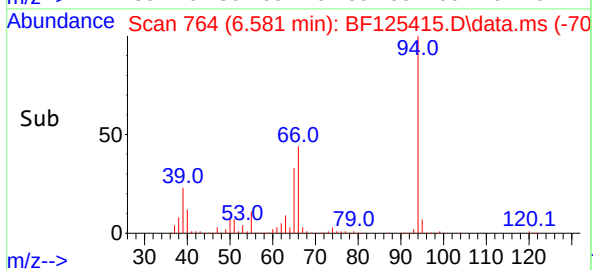
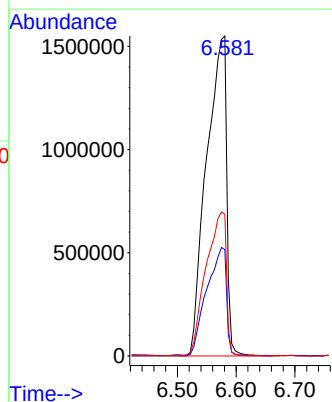
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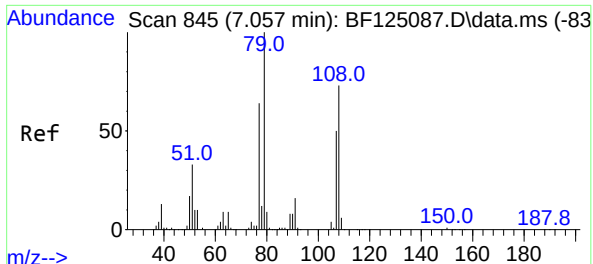


#10
Phenol
Concen: 258.958 ng
RT: 6.581 min Scan# 764
Delta R.T. 0.041 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42



Tgt Ion: 94 Resp: 3680370
Ion Ratio Lower Upper
94 100
65 33.3 9.3 49.3
66 44.3 20.3 60.3





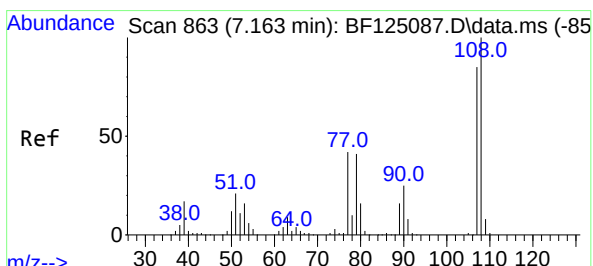
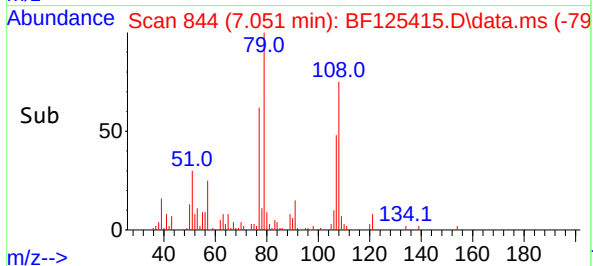
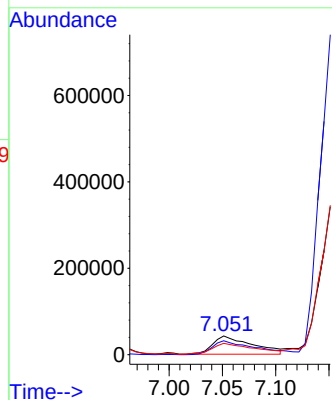
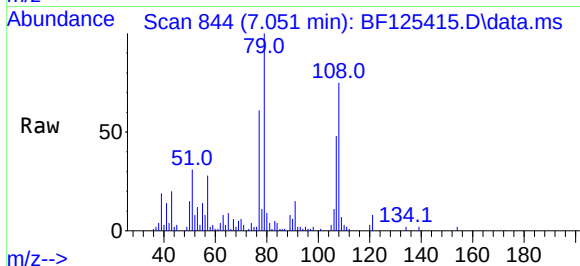
#15
Benzyl Alcohol
Concen: 10.493 ng
RT: 7.051 min Scan# 844
Delta R.T. 0.018 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

Tgt Ion: 79 Resp: 109646
Ion Ratio Lower Upper
79 100
108 74.5 60.4 90.6
77 61.0 51.5 77.3

Instrument :
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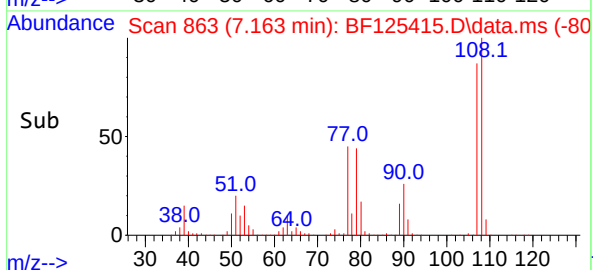
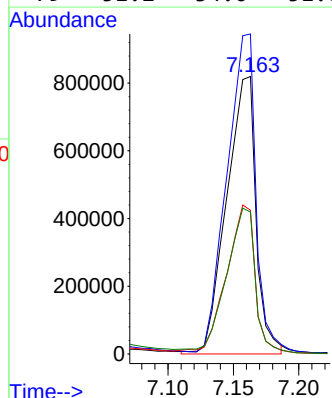
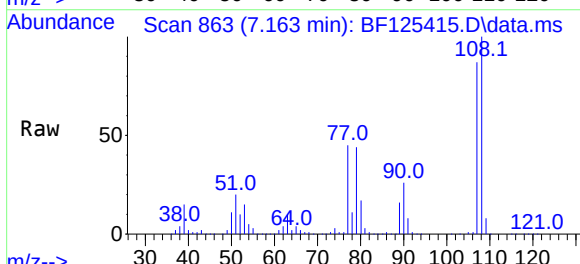
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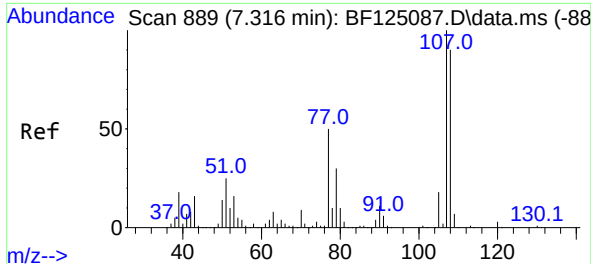
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#17
2-Methylphenol
Concen: 142.506 ng m
RT: 7.163 min Scan# 863
Delta R.T. 0.018 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

Tgt Ion:107 Resp: 1281452
Ion Ratio Lower Upper
107 100
108 115.3 90.6 135.8
77 51.7 35.7 53.5
79 51.2 34.0 51.0#





#20
3+4-Methylphenols
Concen: 387.496 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.035 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

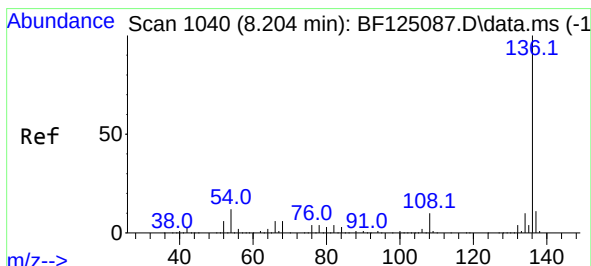
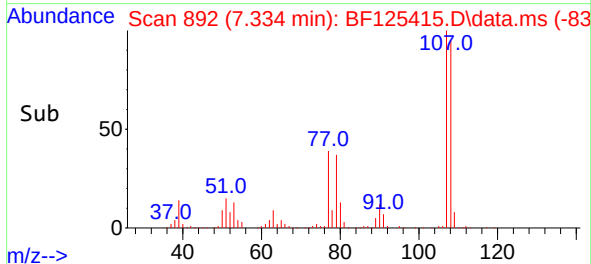
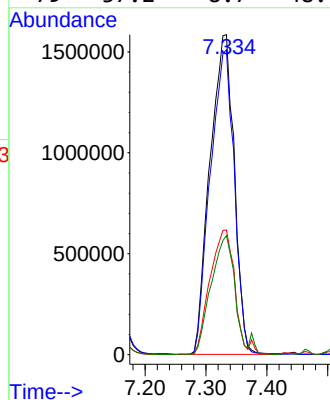
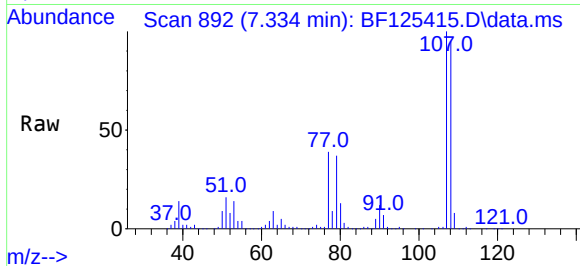
Tgt Ion:107 Resp: 4373968

Ion	Ratio	Lower	Upper
107	100		
108	95.3	76.6	116.6
77	39.0	53.3	93.3#
79	37.2	8.7	48.7

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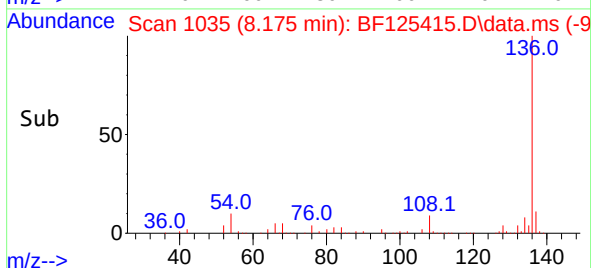
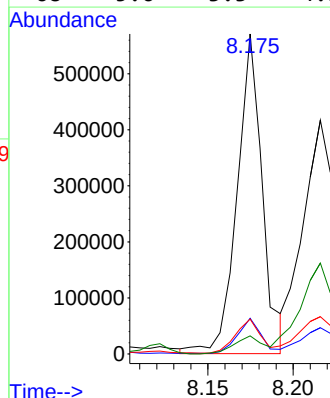
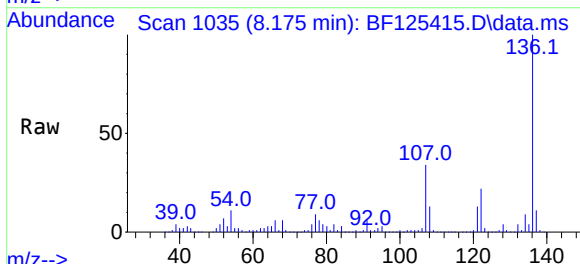
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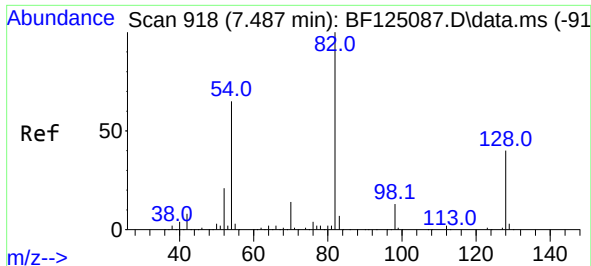


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

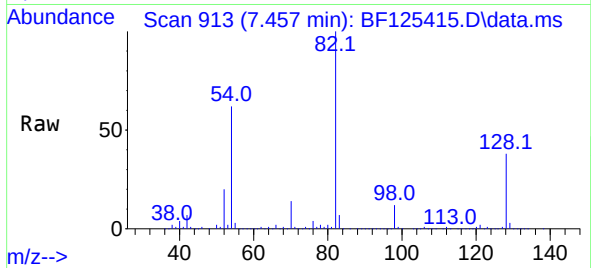
Tgt Ion:136 Resp: 585114

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.6
54	10.9	6.4	9.6#
68	5.6	3.3	4.9#

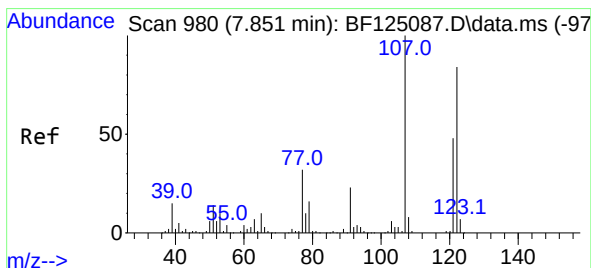
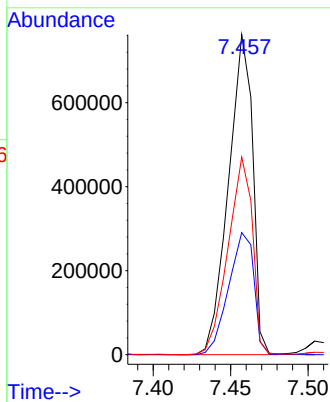
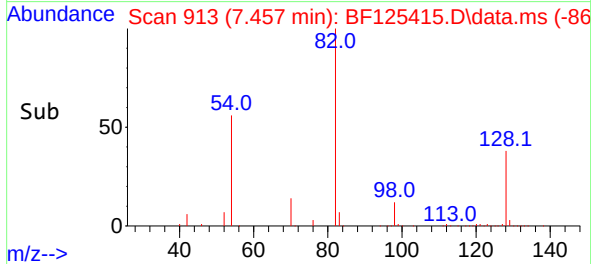




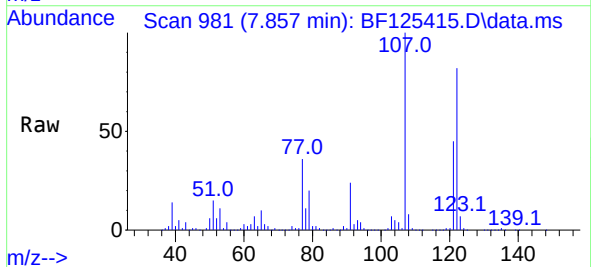
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Nitrobenzene-d5
Concen: 71.312 ng
RT: 7.457 min Scan# 913
Delta R.T. 0.000 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42



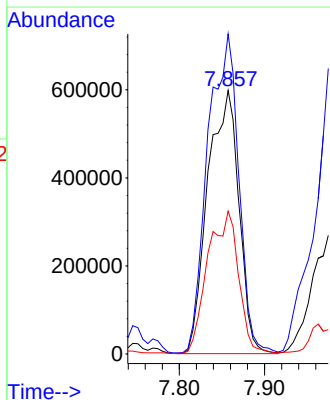
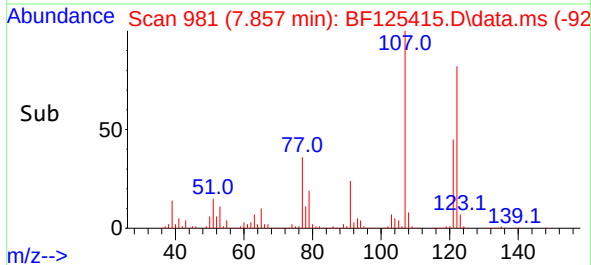
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Ion Ratio Lower Upper
82 100
128 38.1 40.6 60.8#
54 61.7 49.6 74.4



#27
2,4-Dimethylphenol
Concen: 170.711 ng
RT: 7.857 min Scan# 981
Delta R.T. 0.035 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42



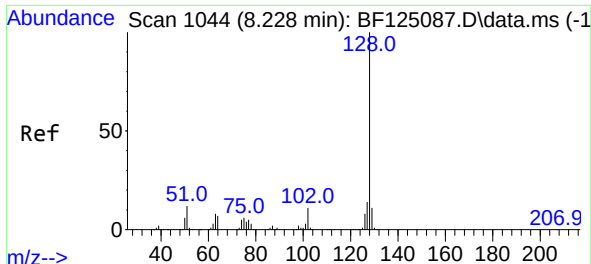
Tgt Ion:122 Resp: 1511255
Ion Ratio Lower Upper
122 100
107 121.4 85.0 127.6
121 54.2 43.3 64.9



Instrument :
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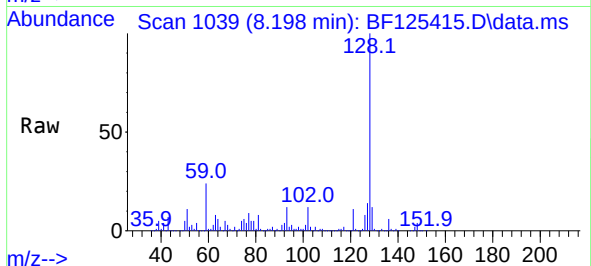
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#31
Naphthalene
Concen: 64.995 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.006 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

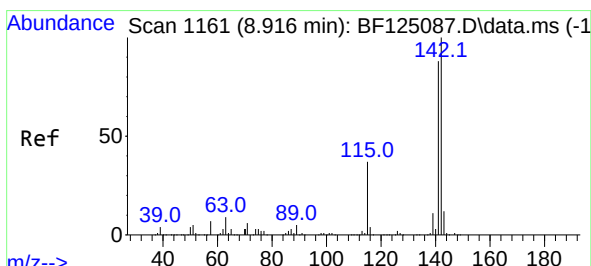
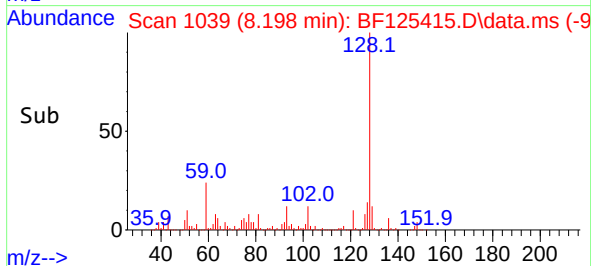
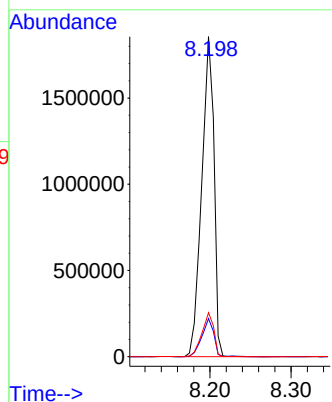
Instrument :
BNA_F
ClientSampleId :
UTILITY-POLES-BRIGE-PIERS-DEC



Tgt Ion:128 Resp: 1947619
Ion Ratio Lower Upper
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129 11.9 9.4 14.0
127 13.7 10.9 16.3

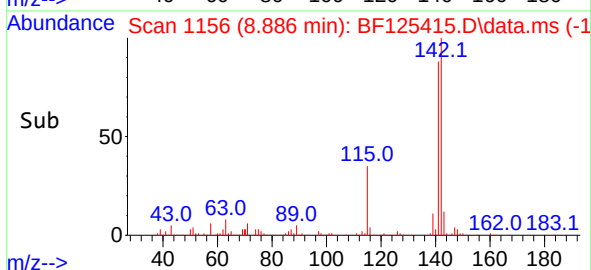
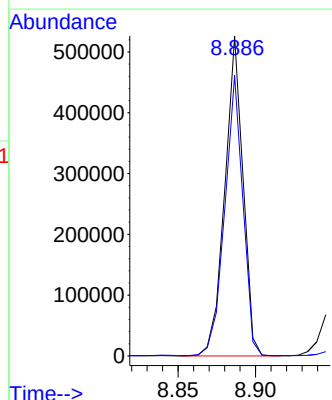
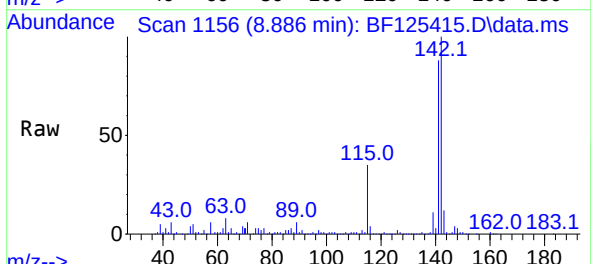
Manual Integrations
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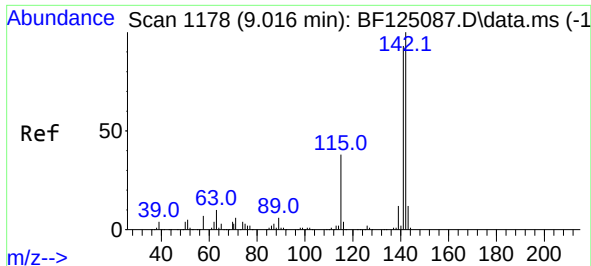
mohammad
9/10/2021 3:25:14 PM



#37
2-Methylnaphthalene
Concen: 21.797 ng
RT: 8.886 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

Tgt Ion:142 Resp: 431617
Ion Ratio Lower Upper
142 100
141 87.7 71.2 106.8





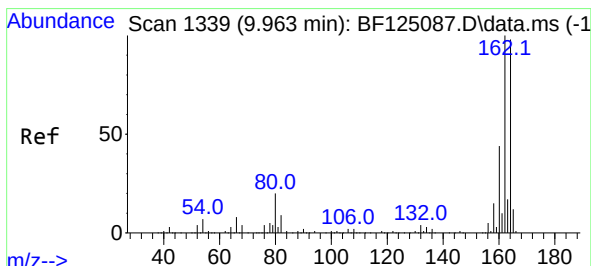
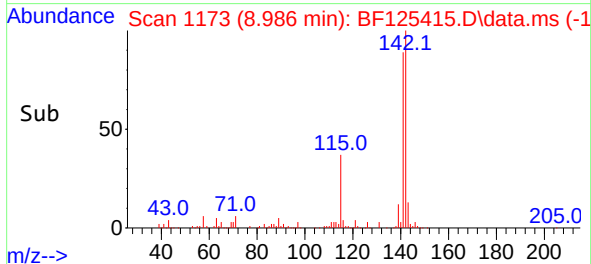
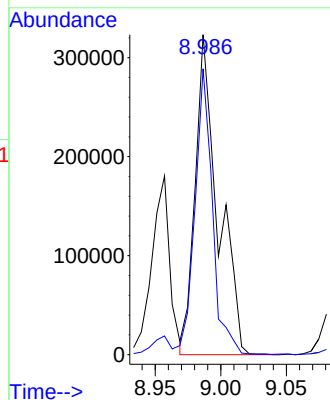
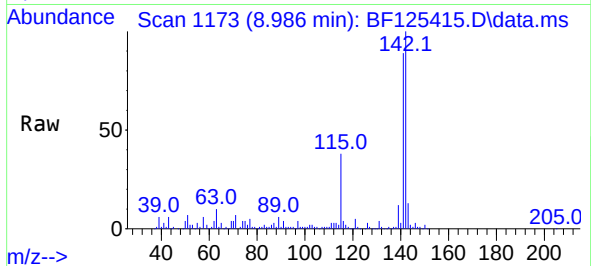
#38
1-Methylnaphthalene
Concen: 21.186 ng
RT: 8.986 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

Tgt Ion:142 Resp: 391752
Ion Ratio Lower Upper
142 100
141 89.3 76.0 114.0

Instrument :
BNA_F
ClientSampleId :
UTILITY-POLES-BRIGE-PIERS-DEC

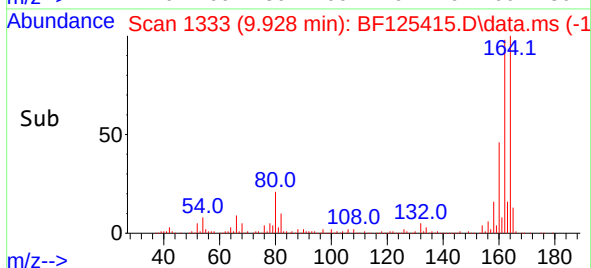
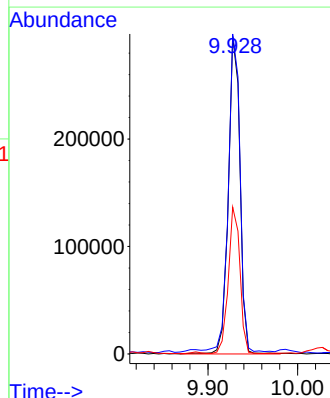
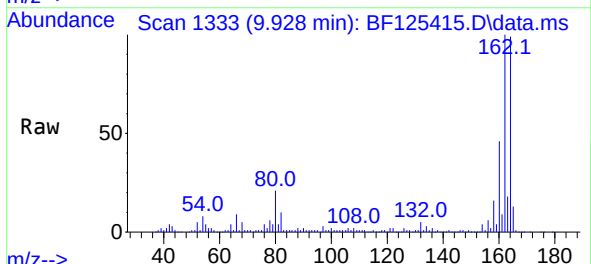
Manual Integrations
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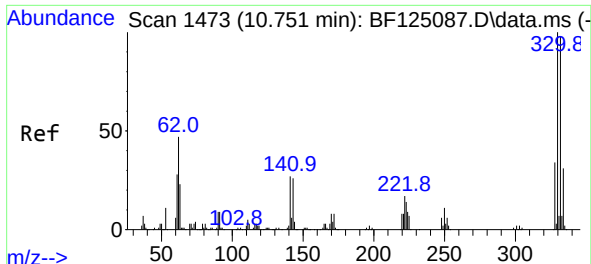
mohammad
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

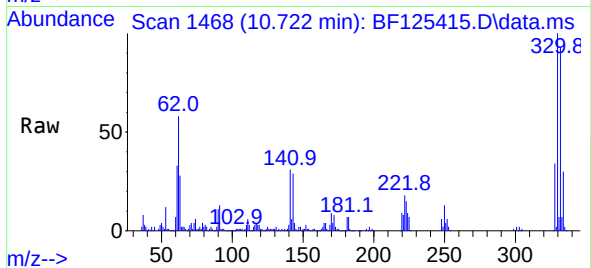
Tgt Ion:164 Resp: 266319
Ion Ratio Lower Upper
164 100
162 100.8 81.3 121.9
160 46.3 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 123.731 ng
RT: 10.722 min Scan# 1468
Delta R.T. 0.000 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

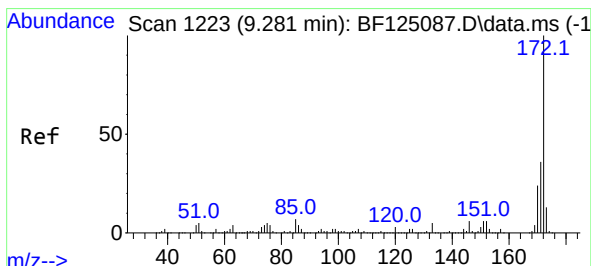
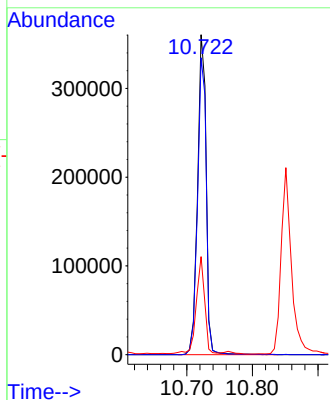
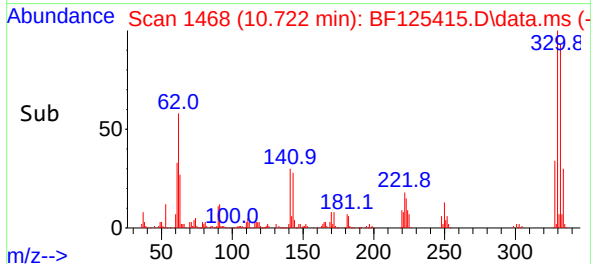
Instrument :
BNA_F
ClientSampleId :
UTILITY-POLES-BRIGE-PIERS-DEC



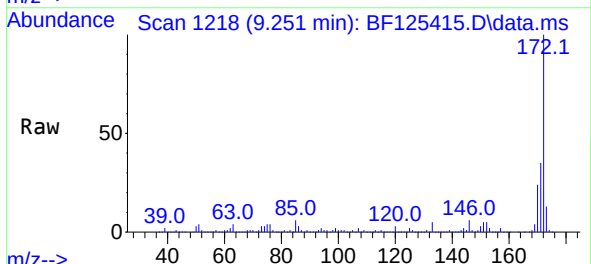
Tgt Ion:330 Resp: 328932
Ion Ratio Lower Upper
330 100
332 94.5 76.2 114.4
141 29.1 44.6 66.8#

Manual Integrations
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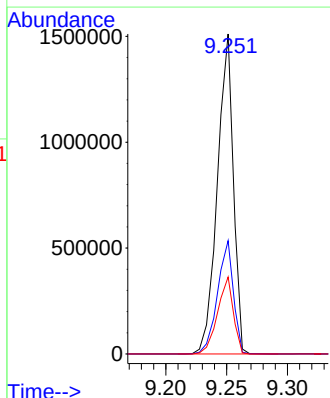
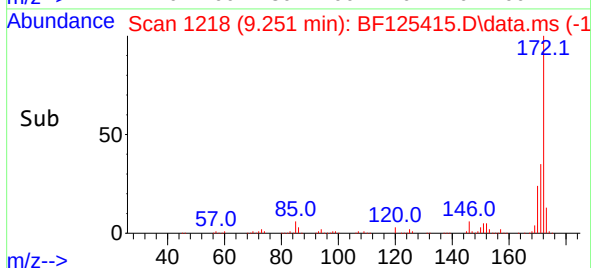
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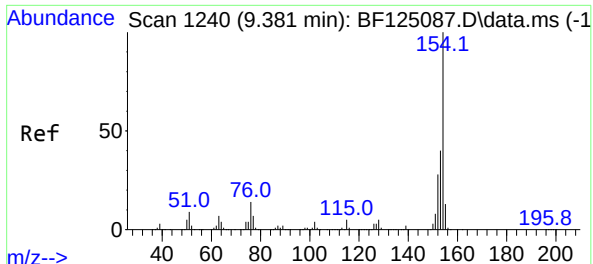


#45
2-Fluorobiphenyl
Concen: 72.415 ng
RT: 9.251 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42



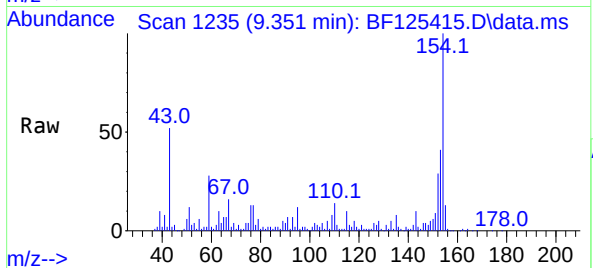
Tgt Ion:172 Resp: 1383733
Ion Ratio Lower Upper
172 100
171 35.4 26.5 39.7
170 24.1 18.8 28.2





#46
1,1'-Biphenyl
Concen: 6.071 ng
RT: 9.351 min Scan# 1235
Delta R.T. 0.000 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

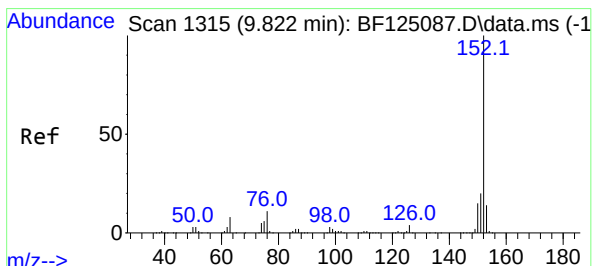
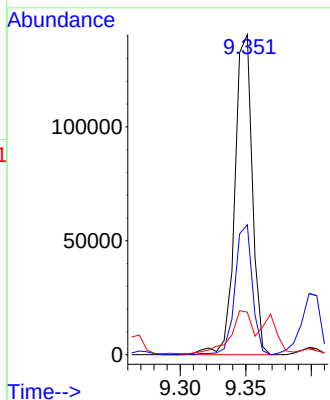
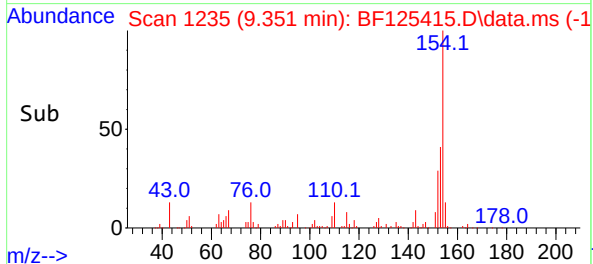
Instrument :
BNA_F
ClientSampleId :
UTILITY-POLES-BRIGE-PIERS-DEC



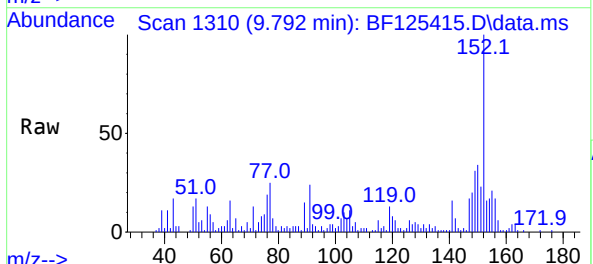
Tgt Ion:154 Resp: 130358
Ion Ratio Lower Upper
154 100
153 40.6 20.0 60.0
76 13.3 0.0 30.3

Manual Integrations
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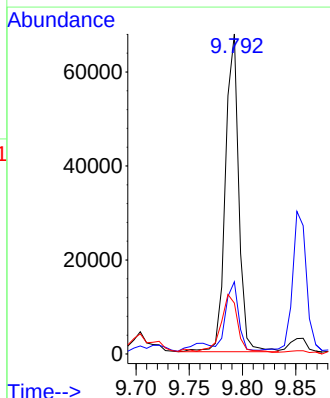
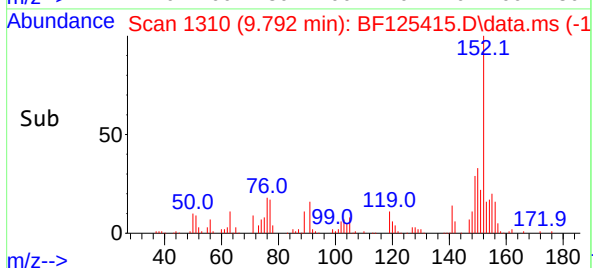
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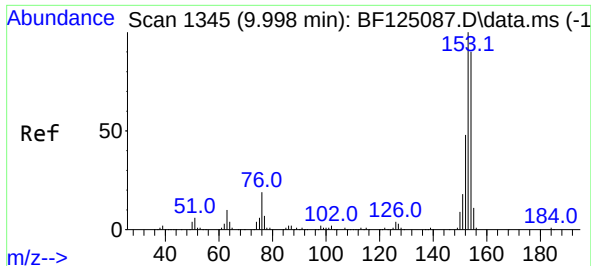


#49
Acenaphthylene
Concen: 2.317 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.000 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42



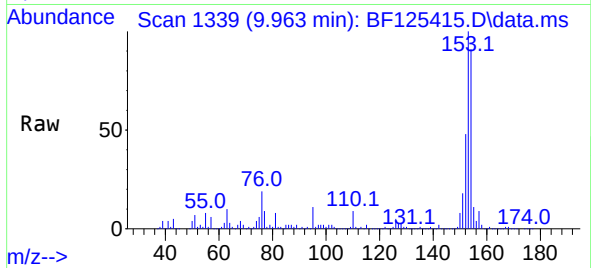
Tgt Ion:152 Resp: 58899
Ion Ratio Lower Upper
152 100
151 22.6 15.7 23.5
153 15.9 9.8 14.8#





#52
Acenaphthene
Concen: 29.328 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.000 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

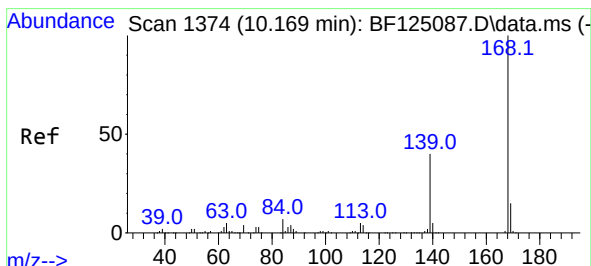
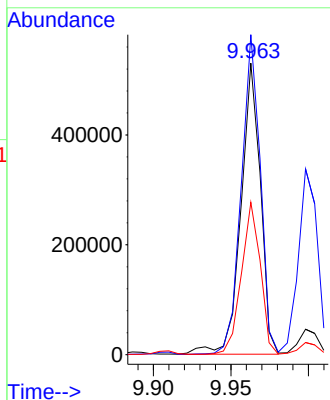
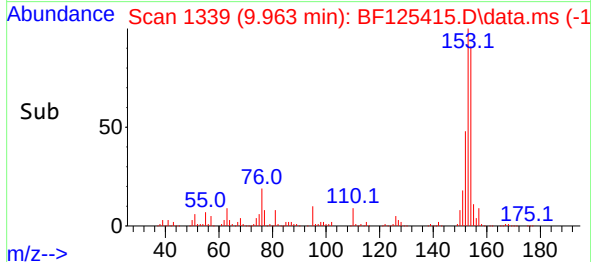
Instrument :
BNA_F
ClientSampleId :
UTILITY-POLES-BRIGE-PIERS-DEC



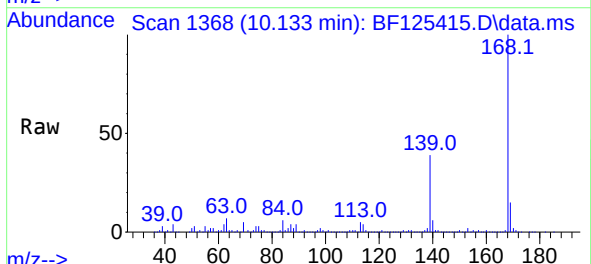
Tgt Ion:154 Resp: 462252
Ion Ratio Lower Upper
154 100
153 109.7 89.4 134.2
152 52.2 40.5 60.7

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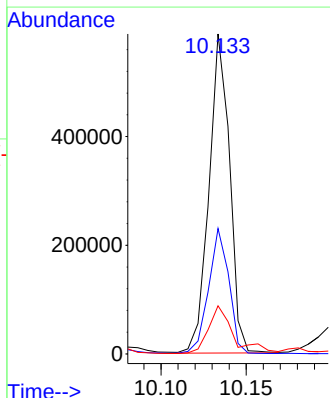
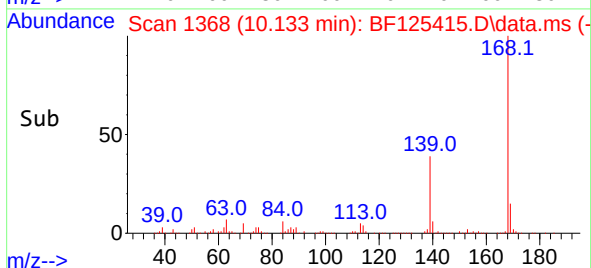
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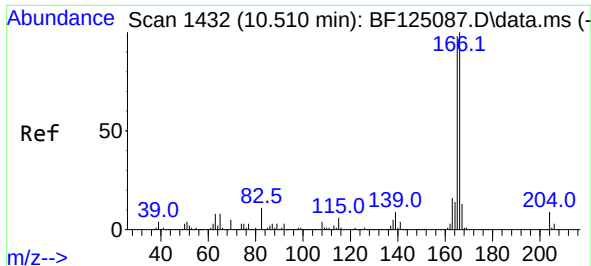


#55
Dibenzofuran
Concen: 21.823 ng
RT: 10.133 min Scan# 1368
Delta R.T. 0.000 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42



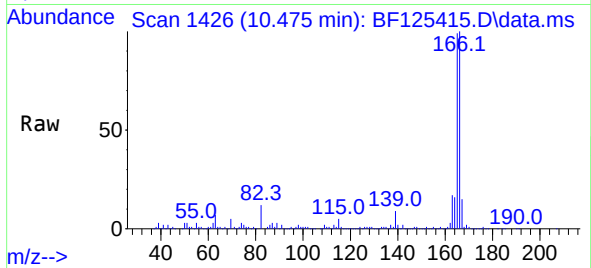
Tgt Ion:168 Resp: 495029
Ion Ratio Lower Upper
168 100
139 39.2 32.7 49.1
169 15.1 11.2 16.8





#58
Fluorene
Concen: 20.882 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

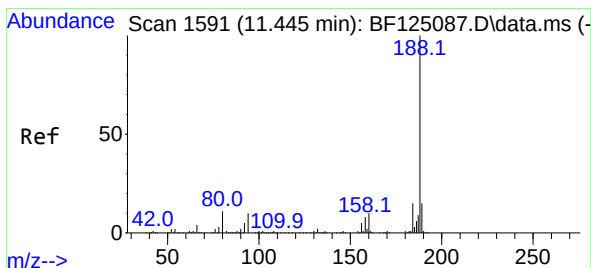
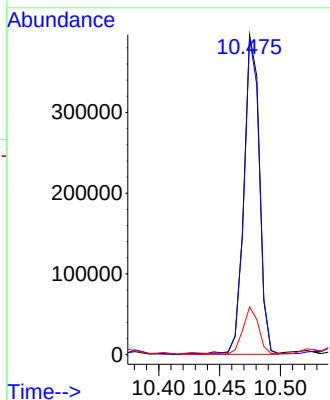
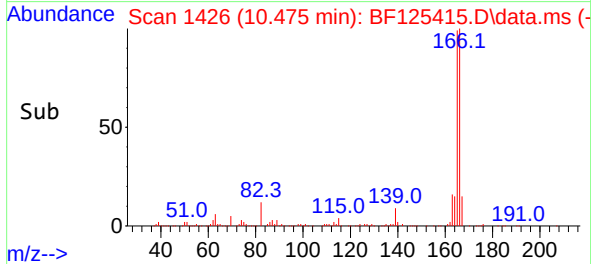
Instrument :
BNA_F
ClientSampleId :
UTILITY-POLES-BRIGE-PIERS-DEC



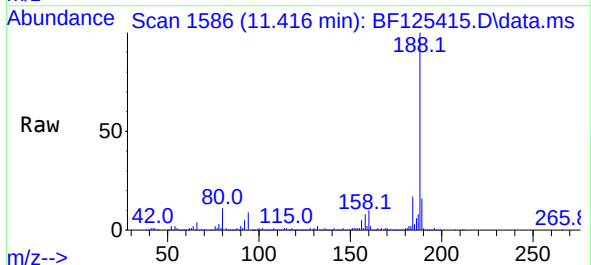
Tgt Ion:166 Resp: 350192
Ion Ratio Lower Upper
166 100
165 99.3 78.1 117.1
167 15.0 11.1 16.7

Manual Integrations
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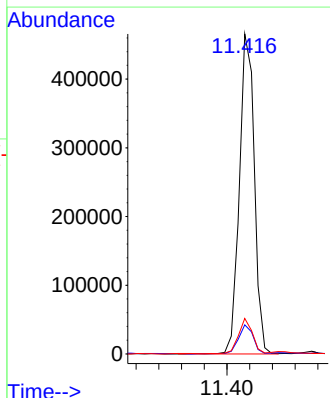
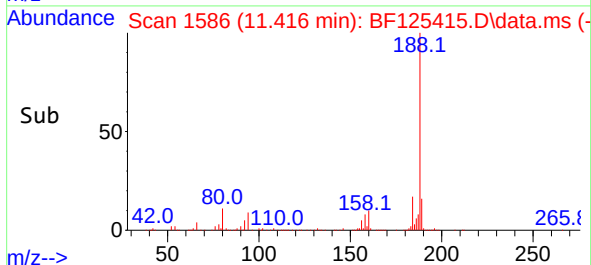
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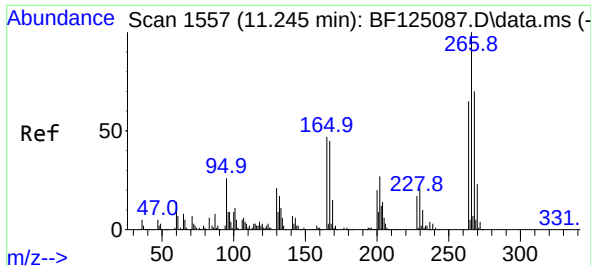


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42



Tgt Ion:188 Resp: 425863
Ion Ratio Lower Upper
188 100
94 9.1 6.7 10.1
80 11.1 7.5 11.3





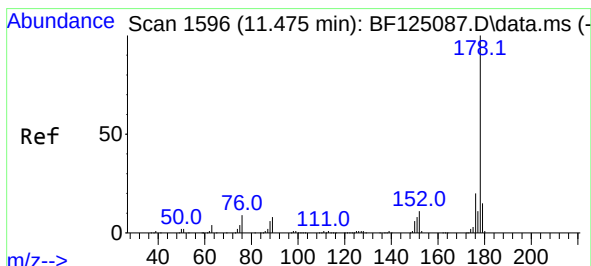
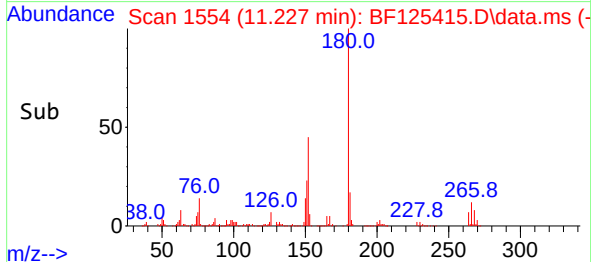
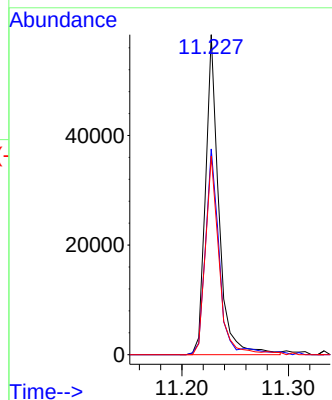
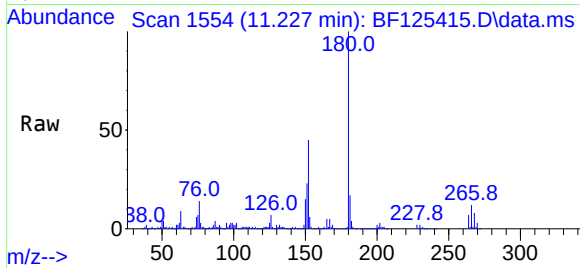
#70
Pentachlorophenol
Concen: 16.534 ng
RT: 11.227 min Scan# 1554
Delta R.T. 0.006 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.3	48.9	73.3
264	62.0	55.9	83.9

Instrument :
BNA_F
ClientSampleId :
UTILITY-POLES-BRIGE-PIERS-DEC

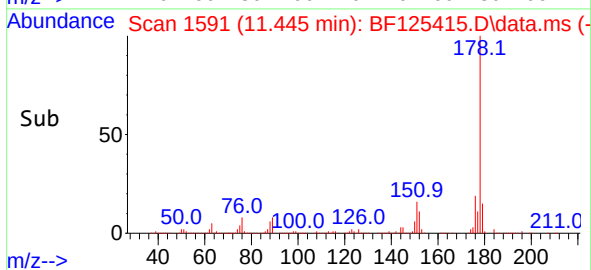
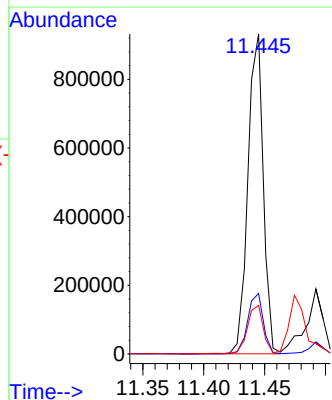
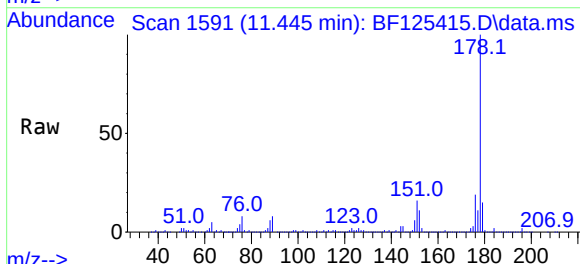
Manual Integrations
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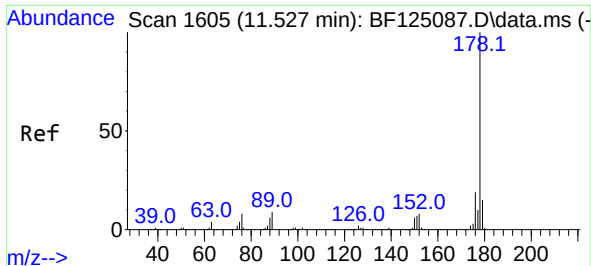
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#71
Phenanthrene
Concen: 34.872 ng
RT: 11.445 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

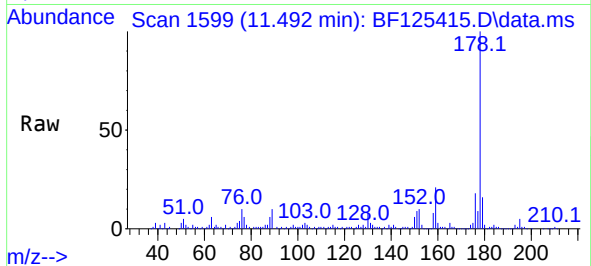
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.2	11.5	17.3





#72
 Anthracene
 Concen: 7.824 ng
 RT: 11.492 min Scan# 1599
 Delta R.T. 0.000 min
 Lab File: BF125415.D
 Acq: 9 Sep 2021 16:42

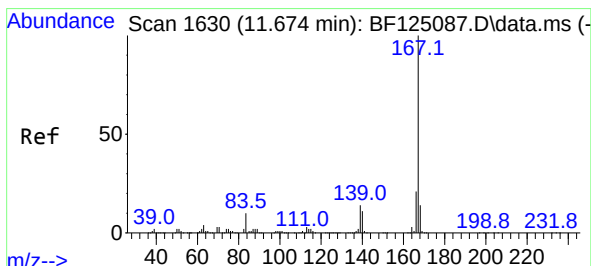
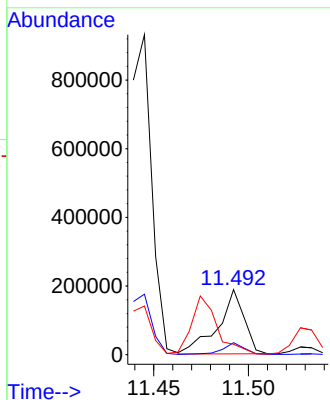
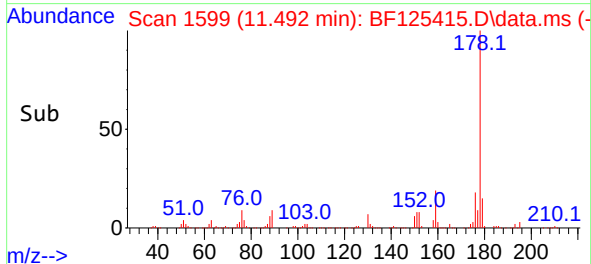
Instrument :
 BNA_F
 ClientSampleId :
 UTILITY-POLES-BRIGE-PIERS-DEC



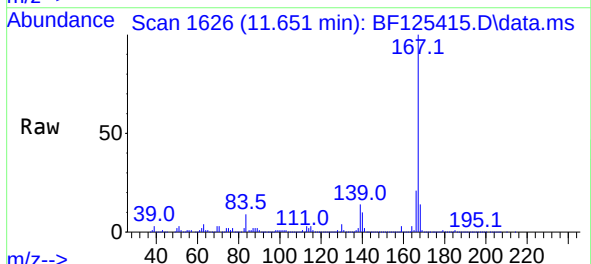
Tgt Ion:178 Resp: 180967
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.3 21.5
 179 15.9 12.2 18.4

Manual Integrations
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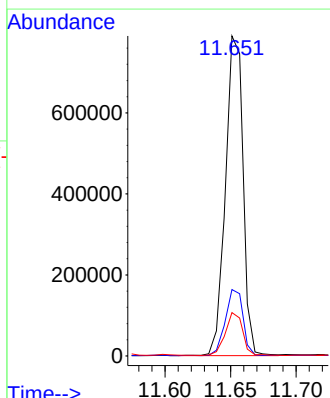
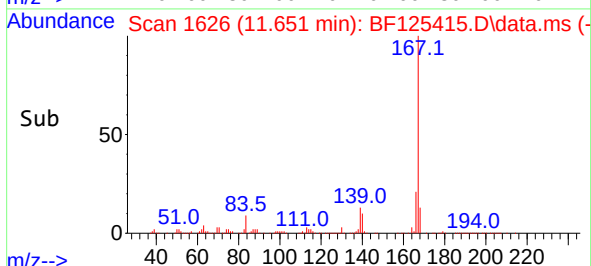
mohammad
 9/10/2021 3:25:14 PM

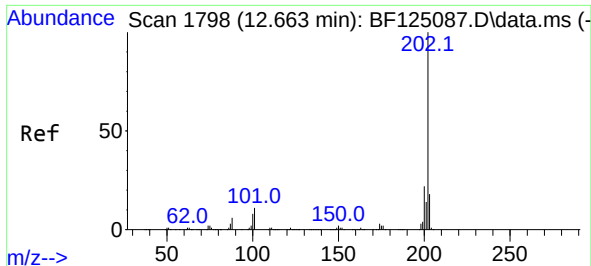


#73
 Carbazole
 Concen: 34.880 ng
 RT: 11.651 min Scan# 1626
 Delta R.T. 0.000 min
 Lab File: BF125415.D
 Acq: 9 Sep 2021 16:42



Tgt Ion:167 Resp: 737211
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.4 26.0
 139 13.6 11.0 16.4





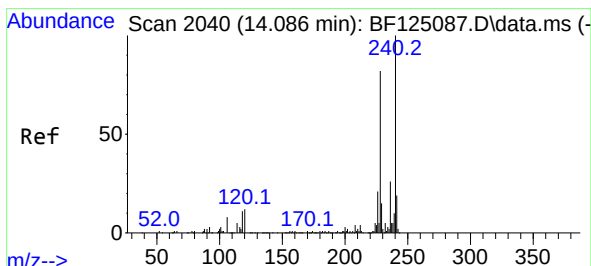
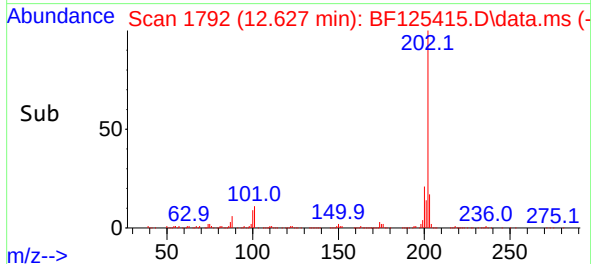
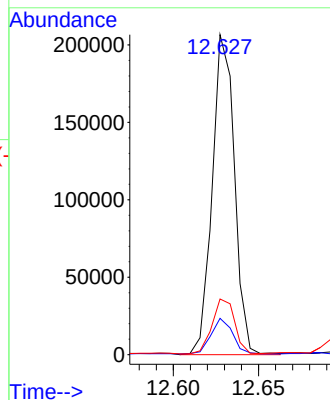
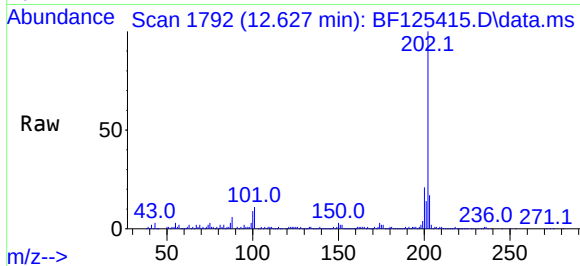
#75
Fluoranthene
Concen: 8.049 ng
RT: 12.627 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

Tgt Ion:202 Resp: 187402
Ion Ratio Lower Upper
202 100
101 11.4 0.0 30.7
203 17.4 0.0 36.3

Instrument :
BNA_F
ClientSampleId :
UTILITY-POLES-BRIGE-PIERS-DEC

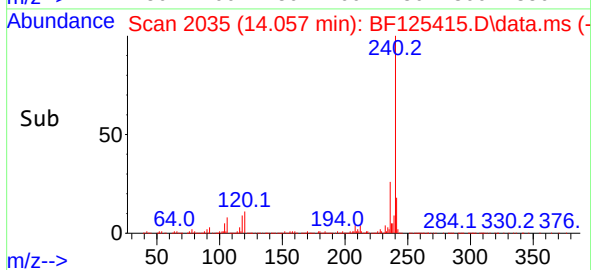
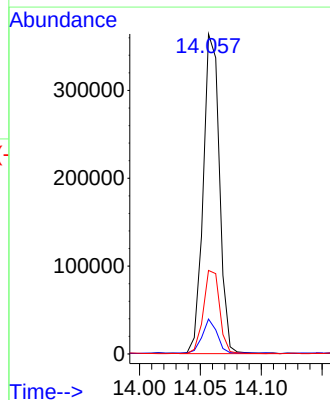
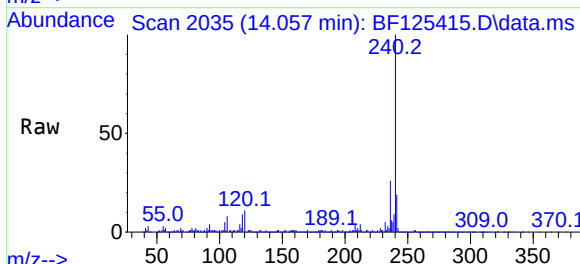
Manual Integrations
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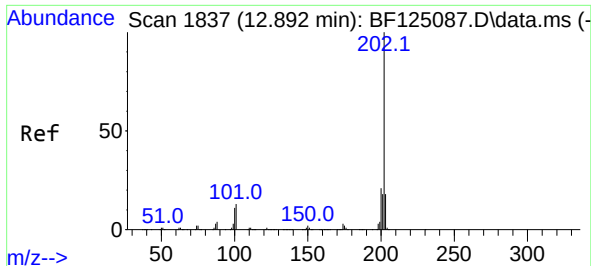
mohammad
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

Tgt Ion:240 Resp: 337412
Ion Ratio Lower Upper
240 100
120 10.9 10.8 16.2
236 26.1 21.6 32.4





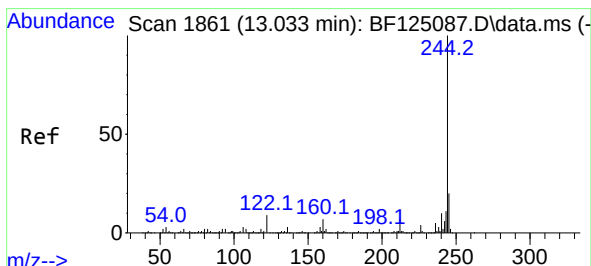
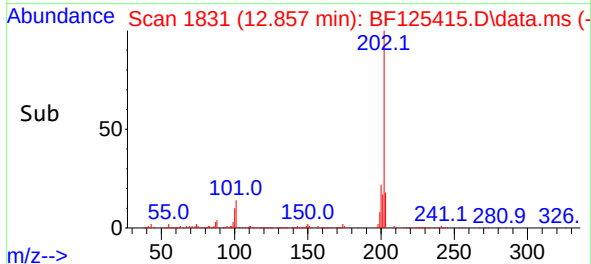
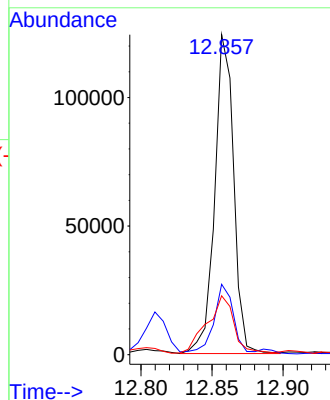
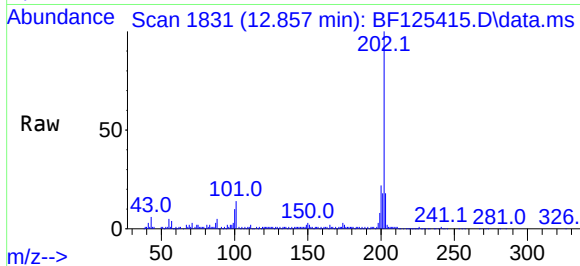
#78
Pyrene
Concen: 3.982 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

Tgt Ion:	202	Resp:	115254
Ion Ratio	Lower	Upper	
202	100		
200	22.0	15.3	22.9
203	18.4	13.4	20.0

Instrument :
BNA_F
ClientSampleId :
UTILITY-POLES-BRIGE-PIERS-DEC

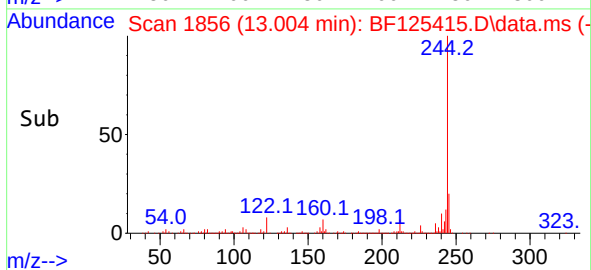
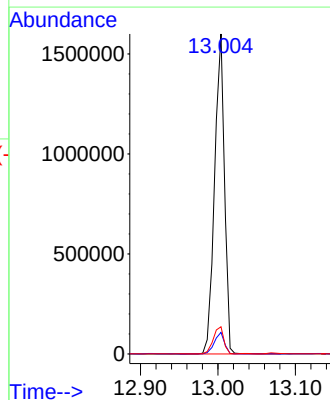
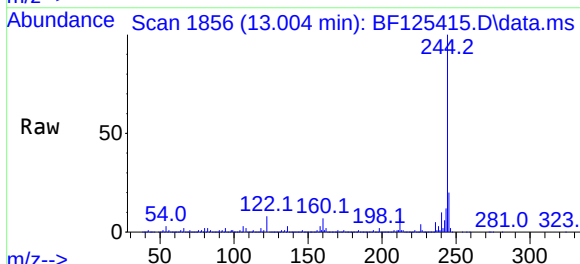
Manual Integrations
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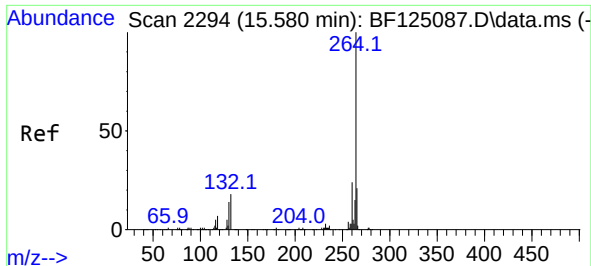
mohammad
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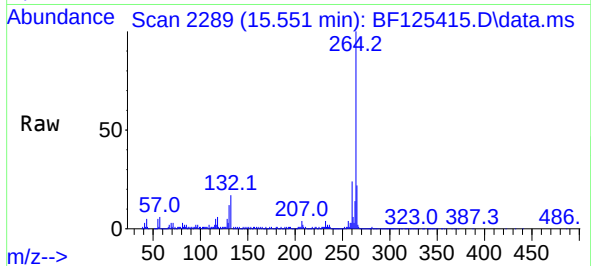
#79
Terphenyl-d14
Concen: 66.954 ng
RT: 13.004 min Scan# 1856
Delta R.T. 0.000 min
Lab File: BF125415.D
Acq: 9 Sep 2021 16:42

Tgt Ion:	244	Resp:	1418064
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.9	8.9
122	8.5	9.0	13.4#



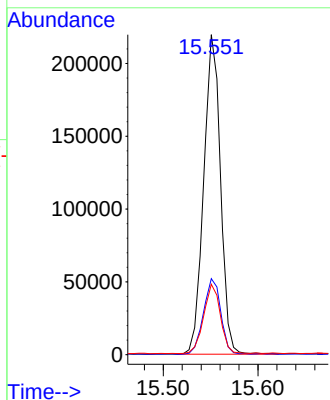
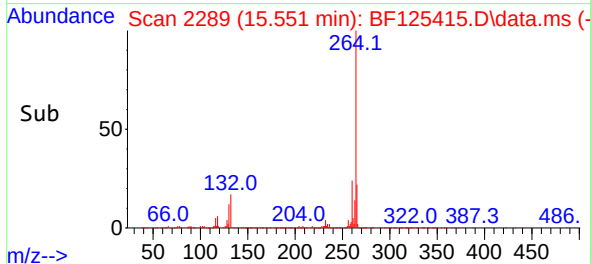


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 2289
 Delta R.T. 0.006 min
 Lab File: BF125415.D
 Acq: 9 Sep 2021 16:42



Tgt Ion:264 Resp: 269115

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.6	29.4
265	22.0	17.2	25.8



Instrument :
 BNA_F
 ClientSampleId :
 UTILITY-POLES-BRIGE-PIERS-DEC

Manual Integrations
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