

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090921\
 Data File : BF125416.D
 Acq On : 9 Sep 2021 18:05
 Operator : JU/CG
 Sample : M3669-01DL 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Sep 10 04:31:12 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)

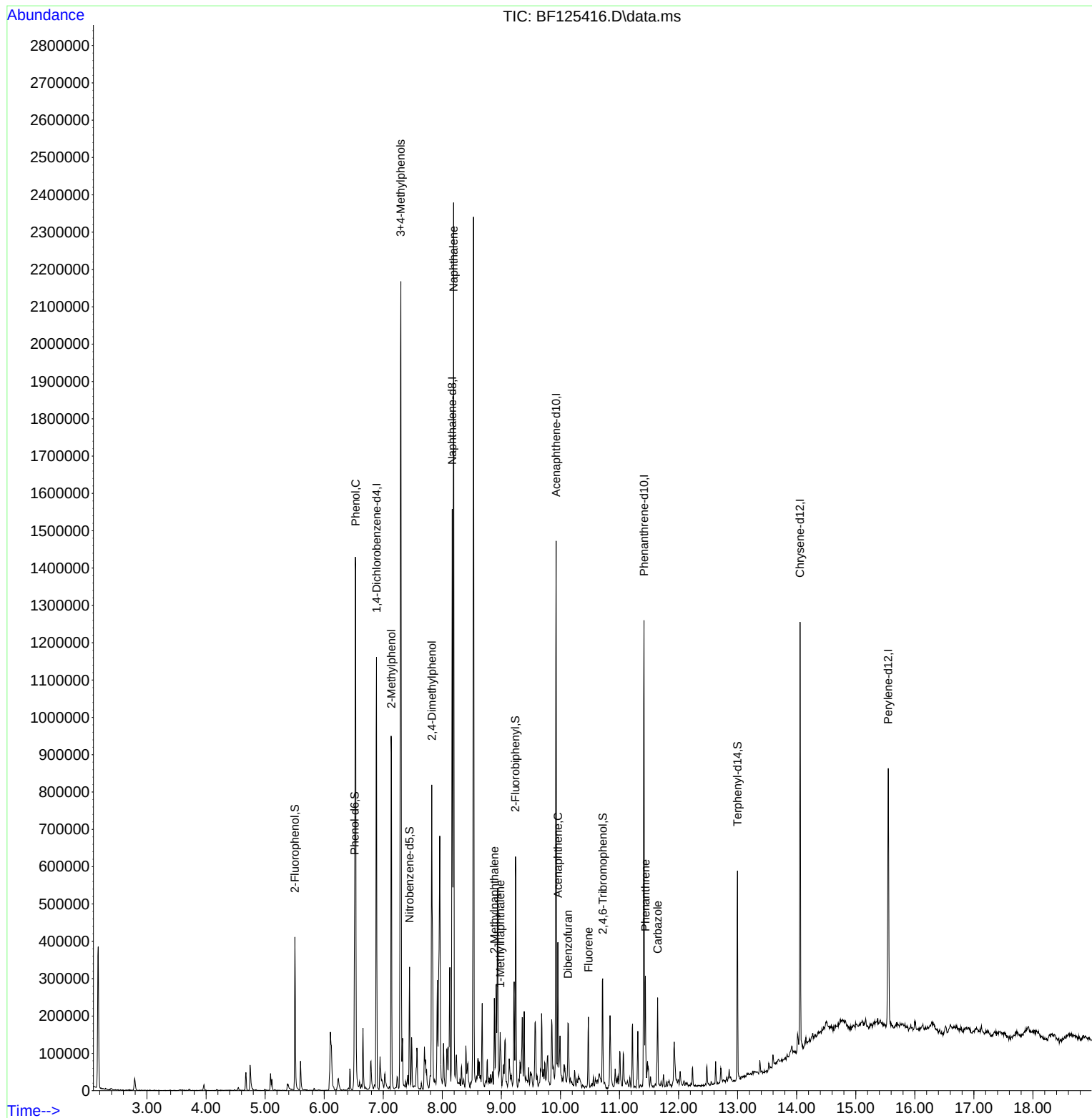
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	162414	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	623753	20.000	ng	# 0.00
39) Acenaphthene-d10	9.928	164	284062	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	448718	20.000	ng	0.00
76) Chrysene-d12	14.057	240	377670	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	311578	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	107745	10.041	ng	0.00
7) Phenol-d6	6.516	99	121642	8.765	ng	-0.01
23) Nitrobenzene-d5	7.445	82	88711	7.160	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	33517	11.820	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	177041	8.686	ng	-0.01
79) Terphenyl-d14	12.998	244	178854	7.544	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.534	94	487263	33.528	ng	97
17) 2-Methylphenol	7.140	107	159475	17.343	ng	97
20) 3+4-Methylphenols	7.298	107	594694	51.521	ng	# 81
27) 2,4-Dimethylphenol	7.822	122	178876	18.954	ng	90
31) Naphthalene	8.192	128	263243	8.241	ng	98
37) 2-Methylnaphthalene	8.881	142	47807	2.265	ng	98
38) 1-Methylnaphthalene	8.981	142	42110	2.136	ng	94
52) Acenaphthene	9.957	154	59477	3.538	ng	96
55) Dibenzofuran	10.128	168	56454	2.333	ng	95
58) Fluorene	10.475	166	40949	2.289	ng	99
71) Phenanthrene	11.439	178	96412	3.899	ng	98
73) Carbazole	11.645	167	84728	3.805	ng	99

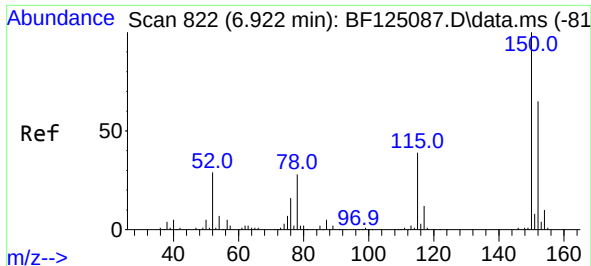
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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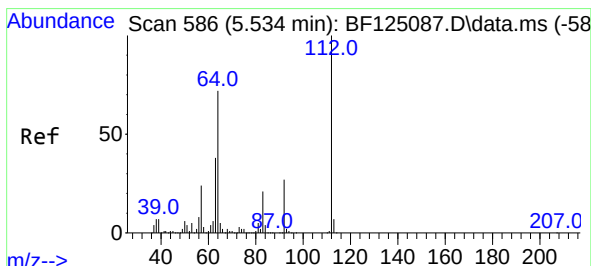
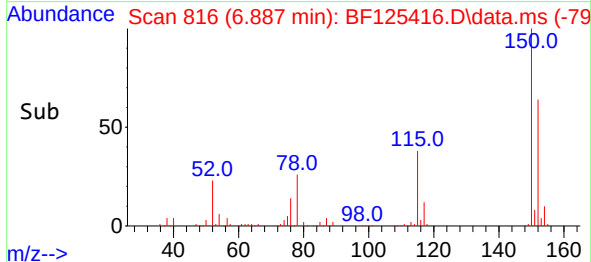
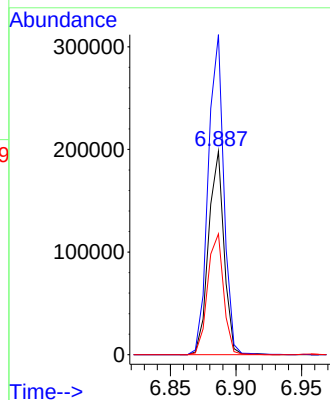
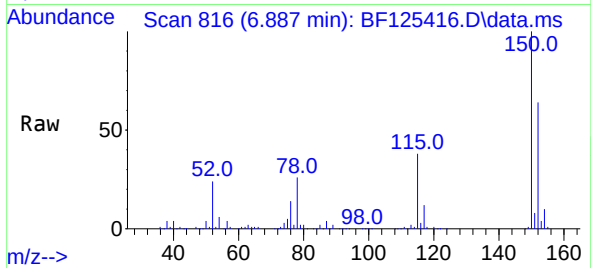




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF125416.D
Acq: 9 Sep 2021 18:05

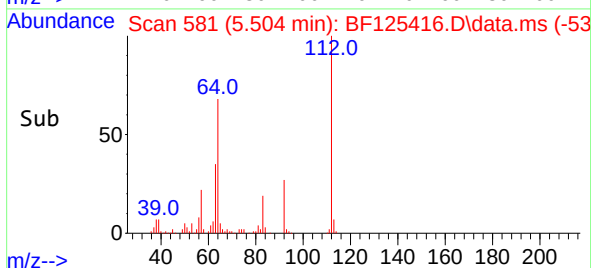
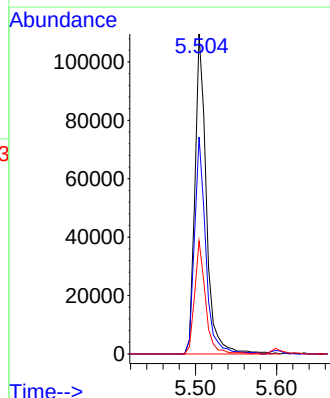
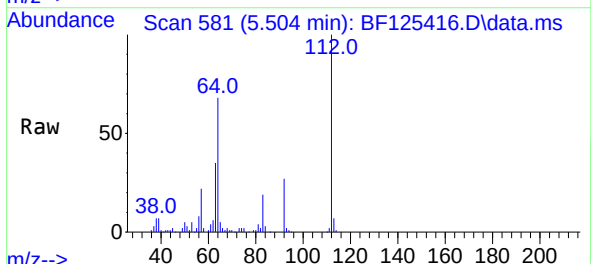
Instrument :
BNA_F
ClientSampleId :
UTILITY-POLES-BRIGE-PIERS-DEC

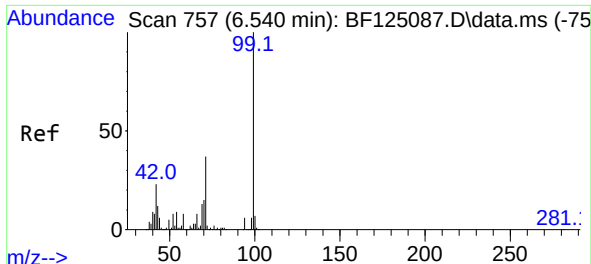
Tgt Ion:152 Resp: 162414
Ion Ratio Lower Upper
152 100
150 157.3 117.6 176.4
115 59.4 47.1 70.7



#5
2-Fluorophenol
Concen: 10.041 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF125416.D
Acq: 9 Sep 2021 18:05

Tgt Ion:112 Resp: 107745
Ion Ratio Lower Upper
112 100
64 67.8 44.2 66.2#
63 35.3 26.2 39.2

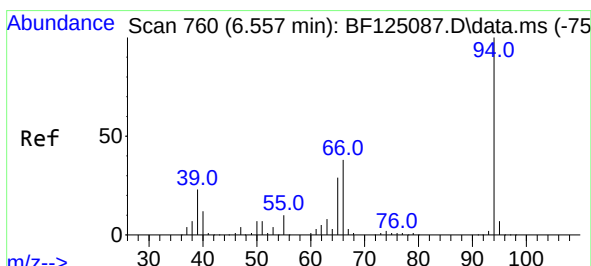
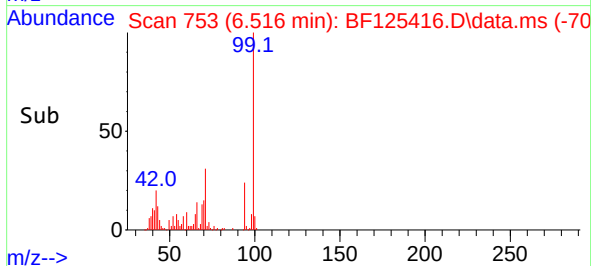
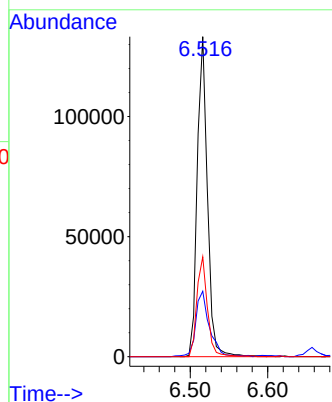
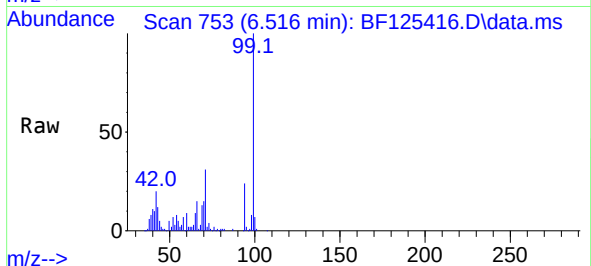




#7
Phenol-d6
Concen: 8.765 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.012 min
Lab File: BF125416.D
Acq: 9 Sep 2021 18:05

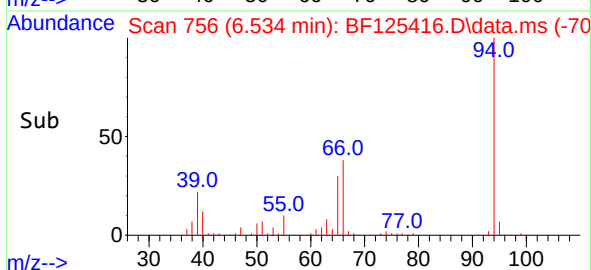
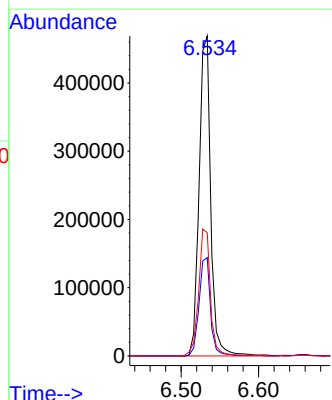
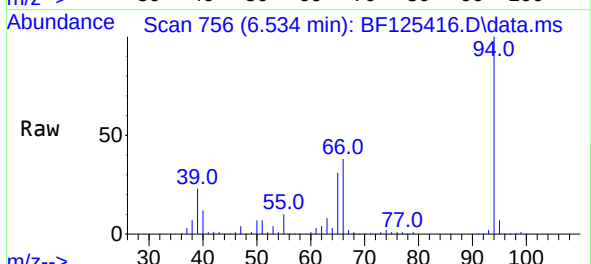
Instrument :
BNA_F
ClientSampleId :
UTILITY-POLES-BRIGE-PIERS-DEC

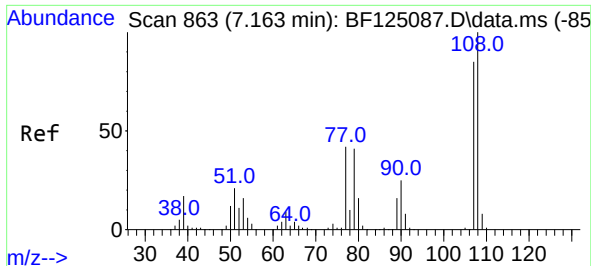
Tgt Ion: 99 Resp: 121642
Ion Ratio Lower Upper
99 100
42 20.5 23.5 35.3#
71 31.2 25.6 38.4



#10
Phenol
Concen: 33.528 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF125416.D
Acq: 9 Sep 2021 18:05

Tgt Ion: 94 Resp: 487263
Ion Ratio Lower Upper
94 100
65 30.7 9.3 49.3
66 38.5 20.3 60.3



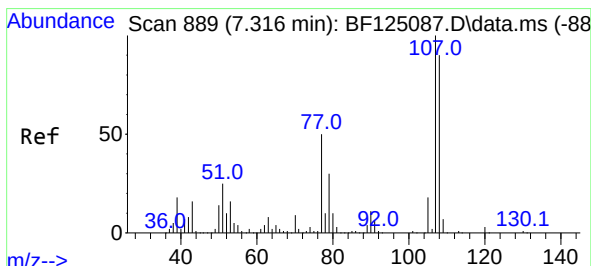
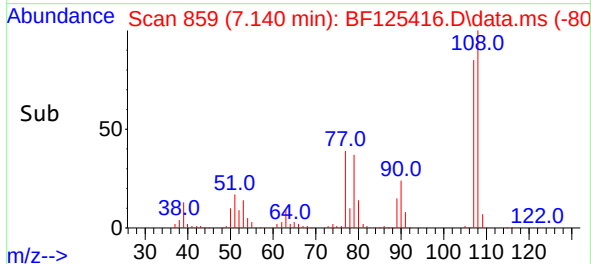
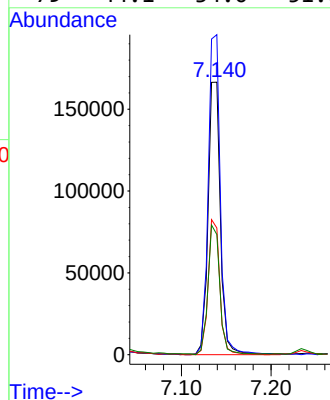
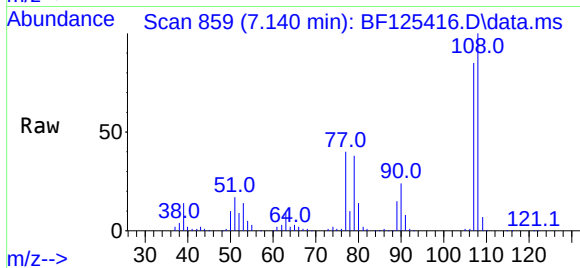


#17
2-Methylphenol
Concen: 17.343 ng
RT: 7.140 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF125416.D
Acq: 9 Sep 2021 18:05

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

Tgt Ion:107 Resp: 159475

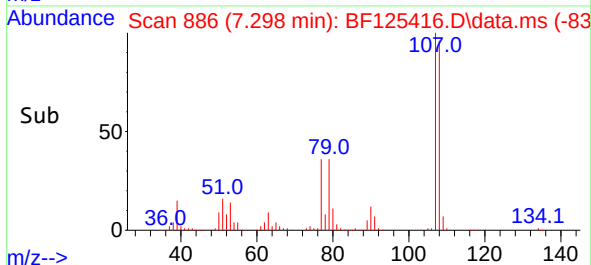
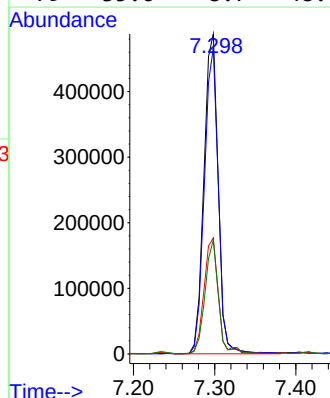
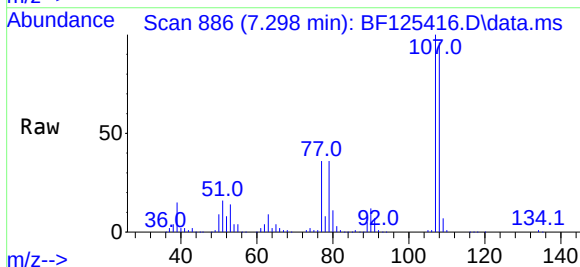
Ion	Ratio	Lower	Upper
107	100		
108	117.4	90.6	135.8
77	46.5	35.7	53.5
79	44.1	34.0	51.0

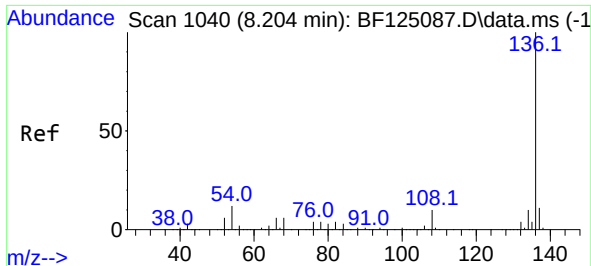


#20
3+4-Methylphenols
Concen: 51.521 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF125416.D
Acq: 9 Sep 2021 18:05

Tgt Ion:107 Resp: 594694

Ion	Ratio	Lower	Upper
107	100		
108	95.6	76.6	116.6
77	36.3	53.3	93.3#
79	35.6	8.7	48.7



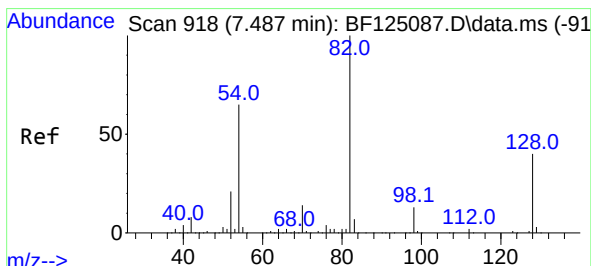
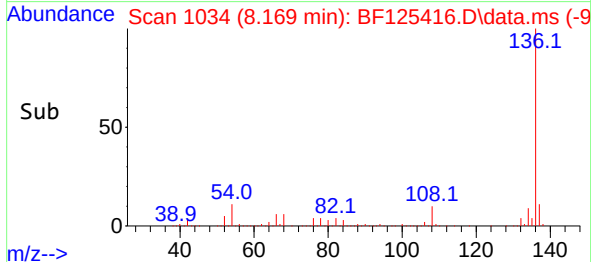
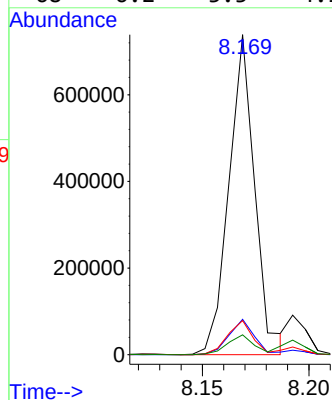
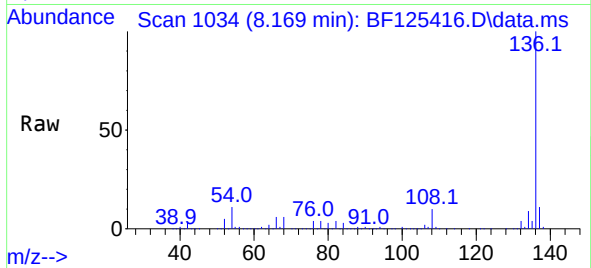


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF125416.D
Acq: 9 Sep 2021 18:05

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ClientSampleId :
UTILITY-POLES-BRIGE-PIERS-DEC

Tgt Ion:136 Resp: 623753

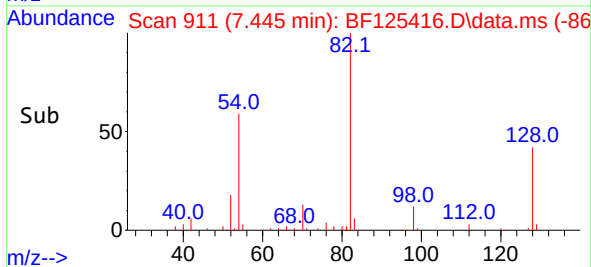
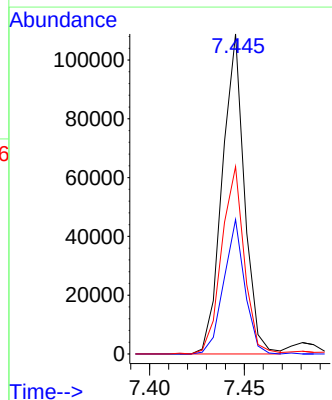
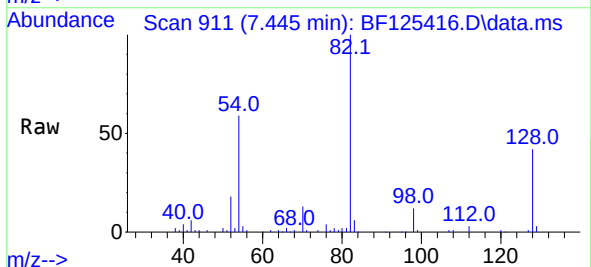
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.8	14.6
54	10.6	6.4	9.6#
68	6.2	3.3	4.9#

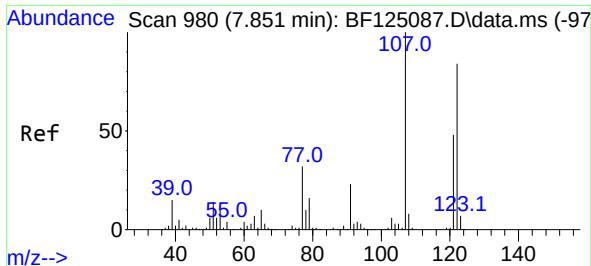


#23
Nitrobenzene-d5
Concen: 7.160 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF125416.D
Acq: 9 Sep 2021 18:05

Tgt Ion: 82 Resp: 88711

Ion	Ratio	Lower	Upper
82	100		
128	42.0	40.6	60.8
54	58.6	49.6	74.4

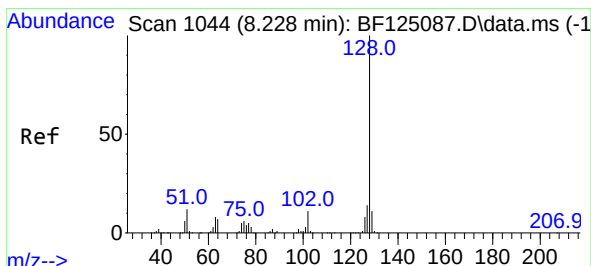
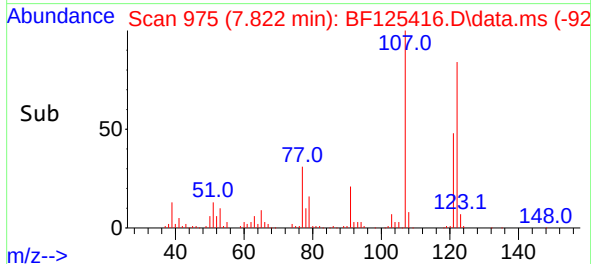
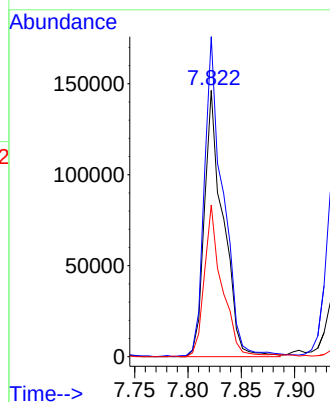
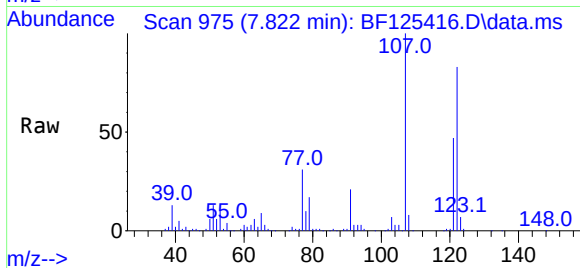




#27
2,4-Dimethylphenol
Concen: 18.954 ng
RT: 7.822 min Scan# 975
Delta R.T. 0.000 min
Lab File: BF125416.D
Acq: 9 Sep 2021 18:05

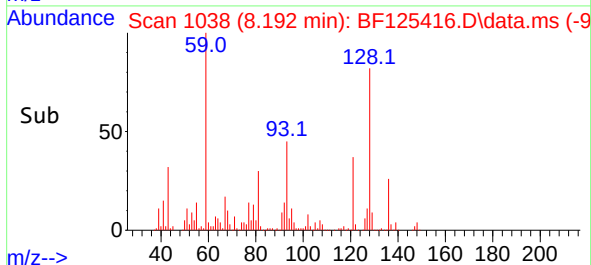
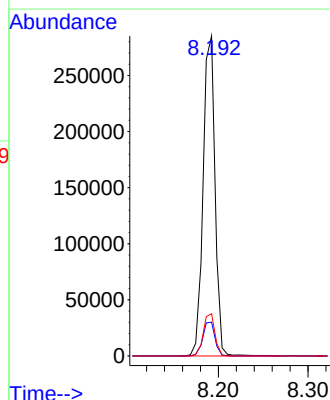
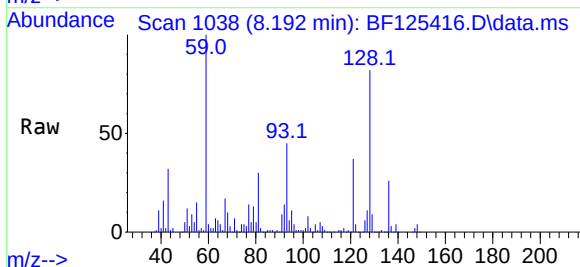
Instrument :
BNA_F
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UTILITY-POLES-BRIGE-PIERS-DEC

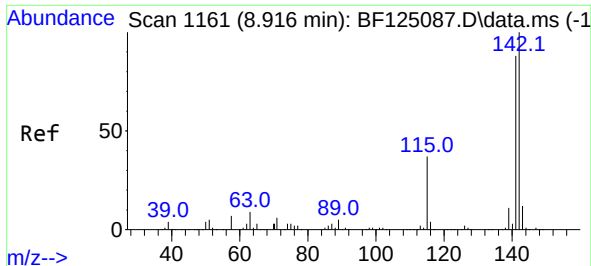
Tgt Ion:122 Resp: 178876
Ion Ratio Lower Upper
122 100
107 120.2 85.0 127.6
121 57.0 43.3 64.9



#31
Naphthalene
Concen: 8.241 ng
RT: 8.192 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF125416.D
Acq: 9 Sep 2021 18:05

Tgt Ion:128 Resp: 263243
Ion Ratio Lower Upper
128 100
129 10.5 9.4 14.0
127 13.2 10.9 16.3





#37

2-Methylnaphthalene

Concen: 2.265 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF125416.D

Acq: 9 Sep 2021 18:05

Instrument :

BNA_F

ClientSampleId :

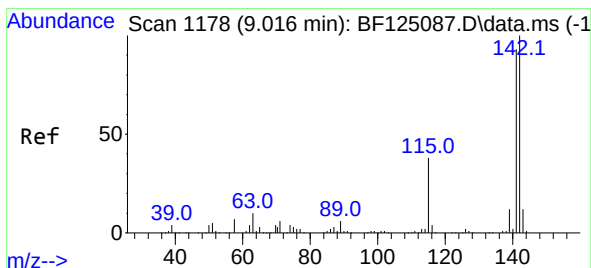
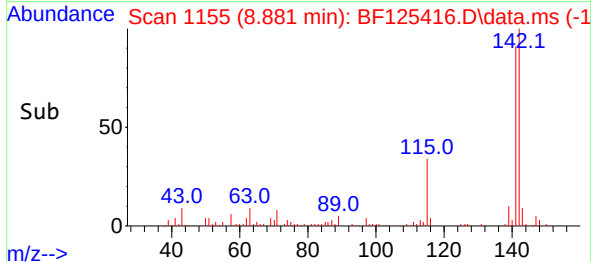
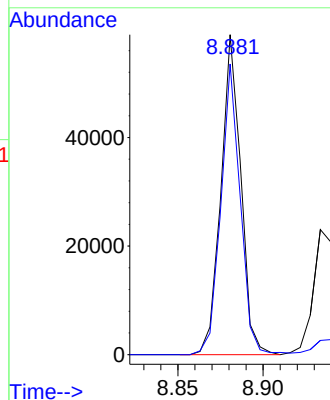
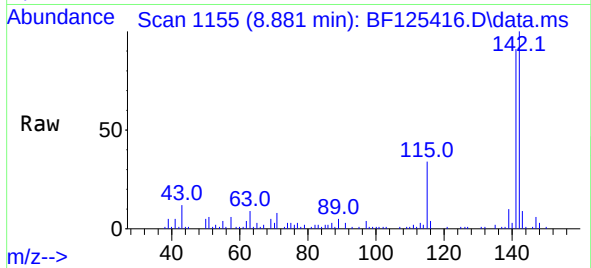
UTILITY-POLES-BRIGE-PIERS-DEC

Tgt Ion:142 Resp: 47807

Ion Ratio Lower Upper

142 100

141 90.8 71.2 106.8



#38

1-Methylnaphthalene

Concen: 2.136 ng

RT: 8.981 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF125416.D

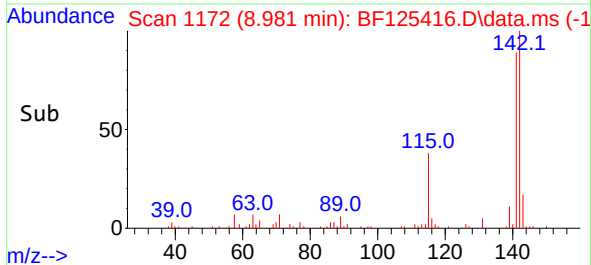
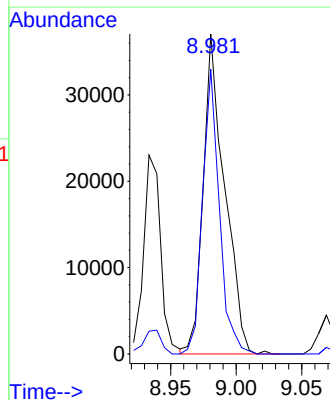
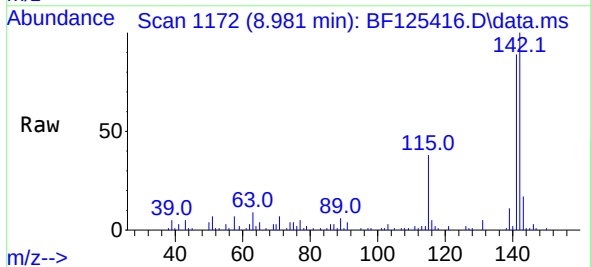
Acq: 9 Sep 2021 18:05

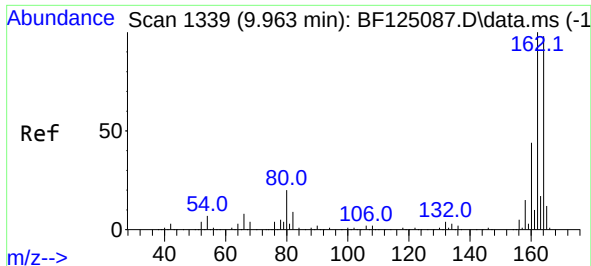
Tgt Ion:142 Resp: 42110

Ion Ratio Lower Upper

142 100

141 88.9 76.0 114.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1333

Delta R.T. 0.000 min

Lab File: BF125416.D

Acq: 9 Sep 2021 18:05

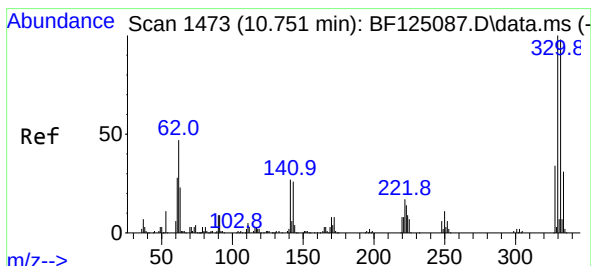
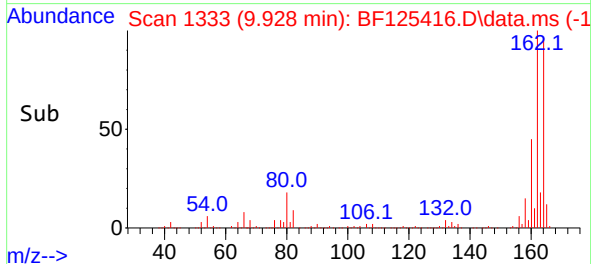
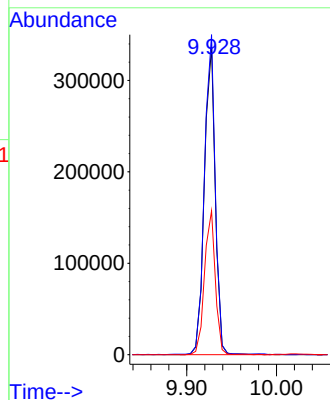
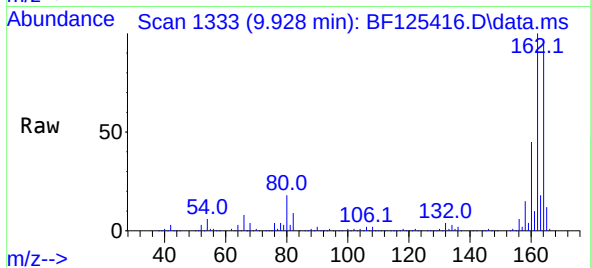
Tgt Ion:164 Resp: 284062

Ion Ratio Lower Upper

164 100

162 103.9 81.3 121.9

160 46.7 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 11.820 ng

RT: 10.716 min Scan# 1467

Delta R.T. -0.006 min

Lab File: BF125416.D

Acq: 9 Sep 2021 18:05

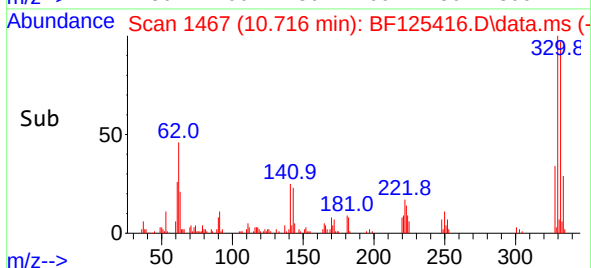
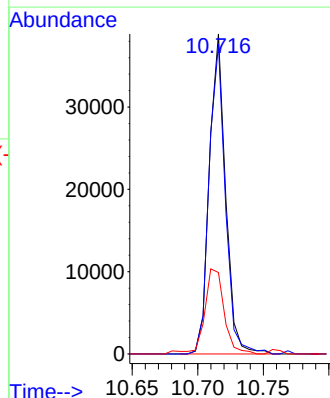
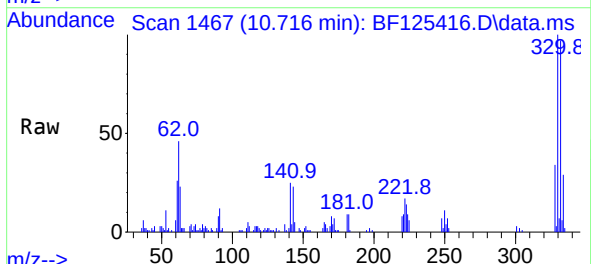
Tgt Ion:330 Resp: 33517

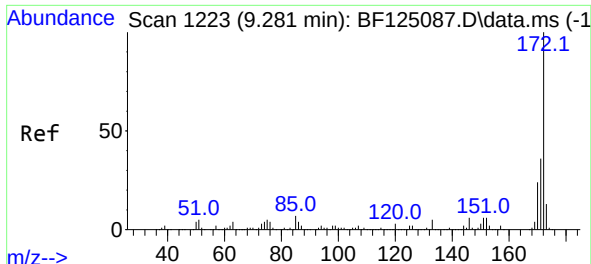
Ion Ratio Lower Upper

330 100

332 97.0 76.2 114.4

141 32.1 44.6 66.8#

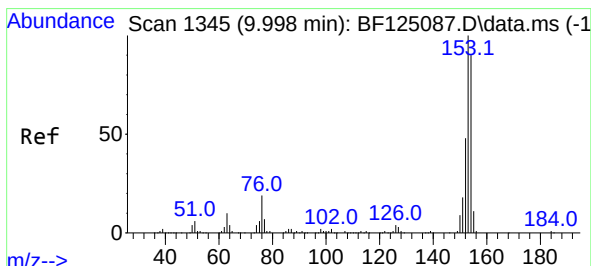
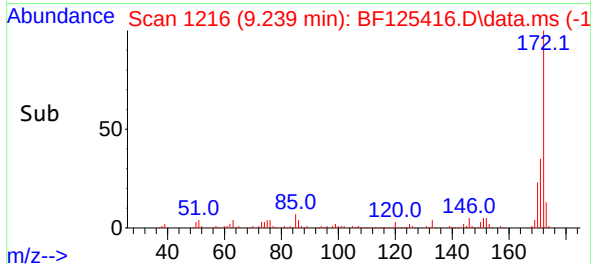
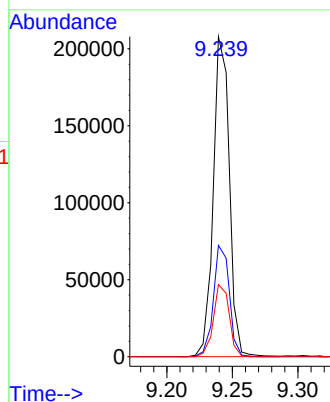
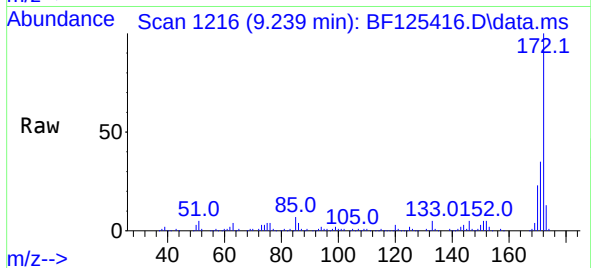




#45
2-Fluorobiphenyl
Concen: 8.686 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF125416.D
Acq: 9 Sep 2021 18:05

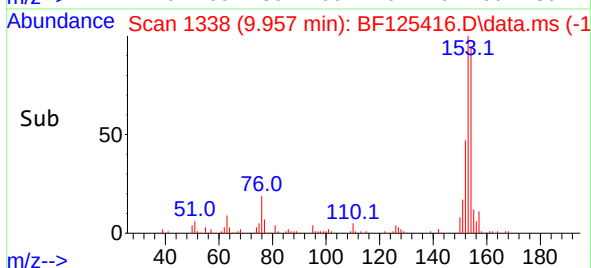
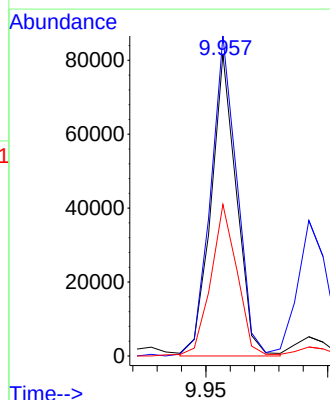
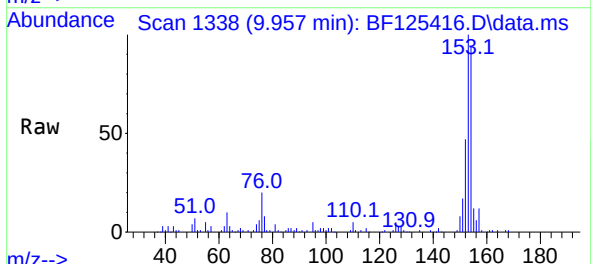
Instrument :
BNA_F
ClientSampleId :
UTILITY-POLES-BRIGE-PIERS-DEC

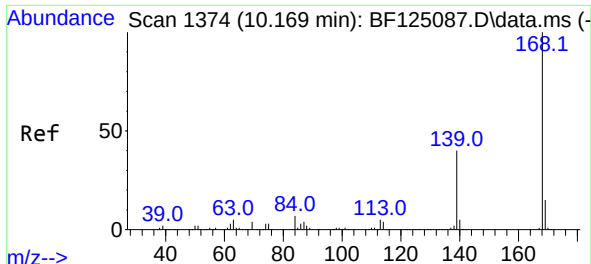
Tgt Ion:172 Resp: 177041
Ion Ratio Lower Upper
172 100
171 34.8 26.5 39.7
170 22.6 18.8 28.2



#52
Acenaphthene
Concen: 3.538 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF125416.D
Acq: 9 Sep 2021 18:05

Tgt Ion:154 Resp: 59477
Ion Ratio Lower Upper
154 100
153 106.0 89.4 134.2
152 50.2 40.5 60.7

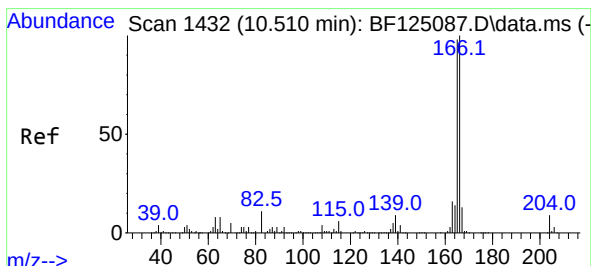
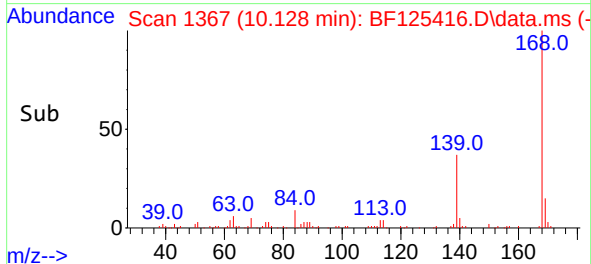
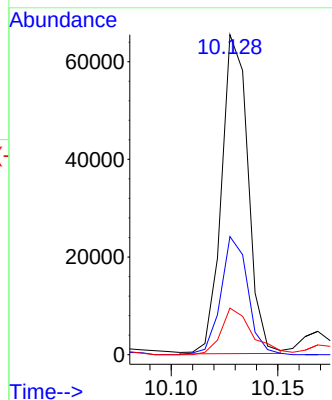
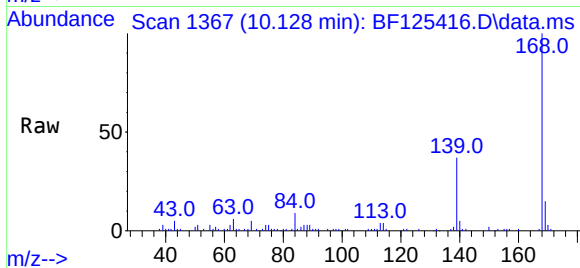




#55
Dibenzenofuran
Concen: 2.333 ng
RT: 10.128 min Scan# 1367
Delta R.T. -0.006 min
Lab File: BF125416.D
Acq: 9 Sep 2021 18:05

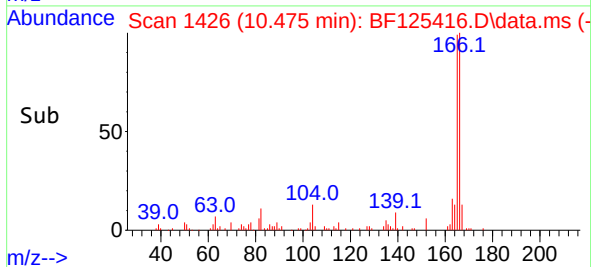
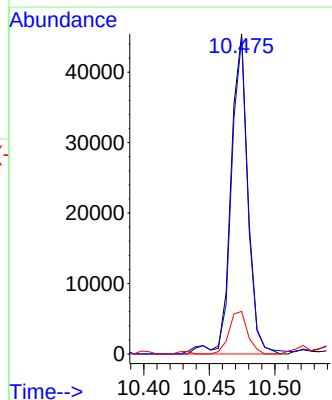
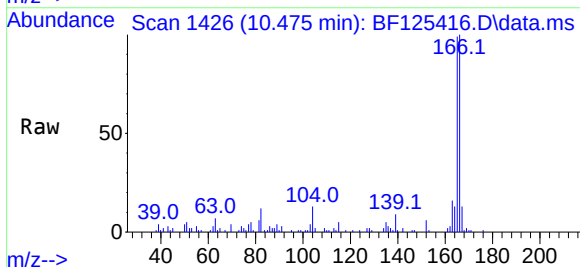
Instrument :
BNA_F
ClientSampleId :
UTILITY-POLES-BRIGE-PIERS-DEC

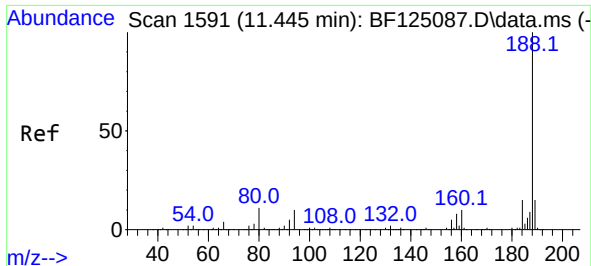
Tgt Ion:168 Resp: 56454
Ion Ratio Lower Upper
168 100
139 36.9 32.7 49.1
169 14.6 11.2 16.8



#58
Fluorene
Concen: 2.289 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF125416.D
Acq: 9 Sep 2021 18:05

Tgt Ion:166 Resp: 40949
Ion Ratio Lower Upper
166 100
165 98.6 78.1 117.1
167 13.3 11.1 16.7

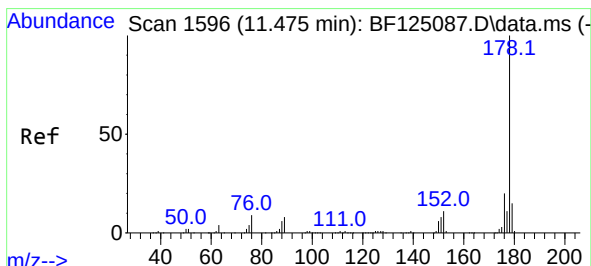
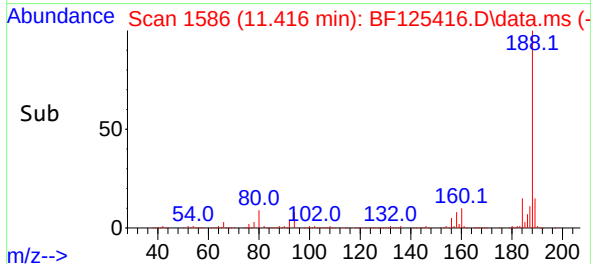
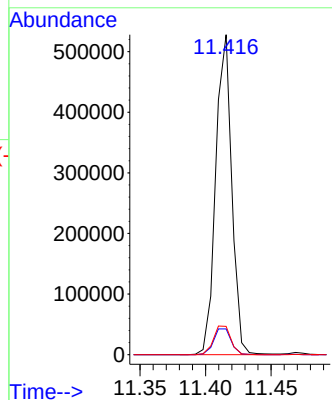
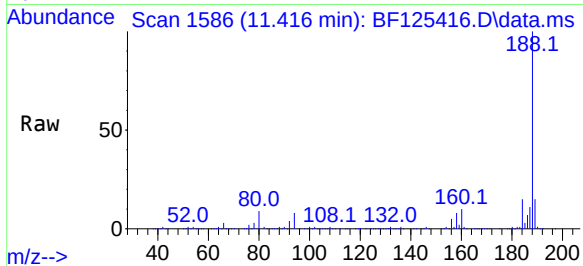




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF125416.D
Acq: 9 Sep 2021 18:05

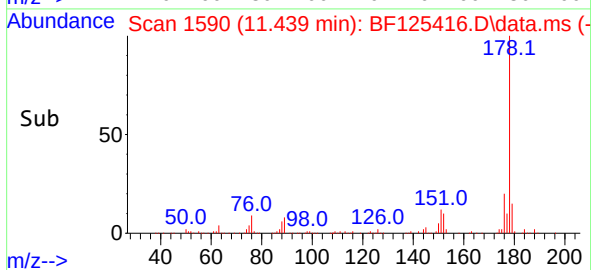
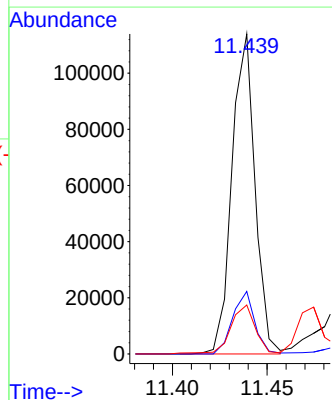
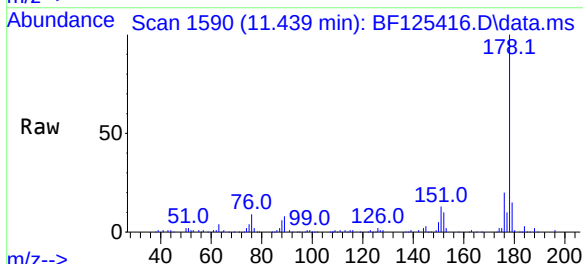
Instrument :
BNA_F
ClientSampleId :
UTILITY-POLES-BRIGE-PIERS-DEC

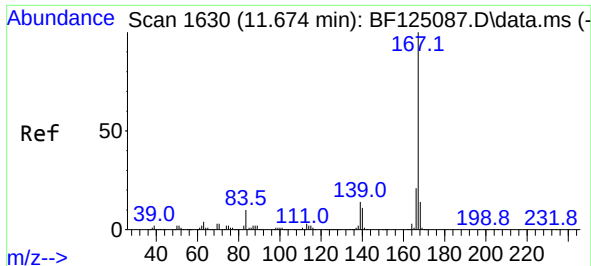
Tgt Ion:188 Resp: 448718
Ion Ratio Lower Upper
188 100
94 8.1 6.7 10.1
80 8.9 7.5 11.3



#71
Phenanthrene
Concen: 3.899 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF125416.D
Acq: 9 Sep 2021 18:05

Tgt Ion:178 Resp: 96412
Ion Ratio Lower Upper
178 100
176 19.5 14.7 22.1
179 15.3 11.5 17.3

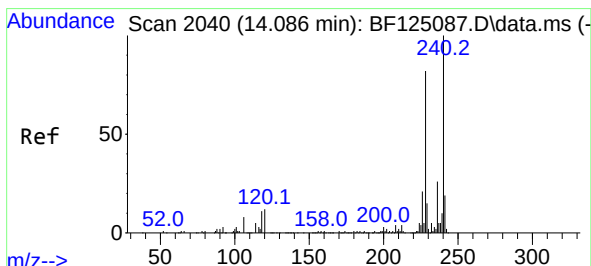
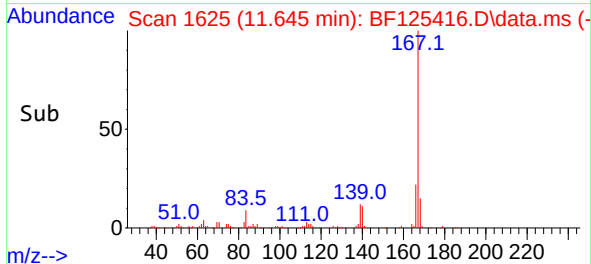
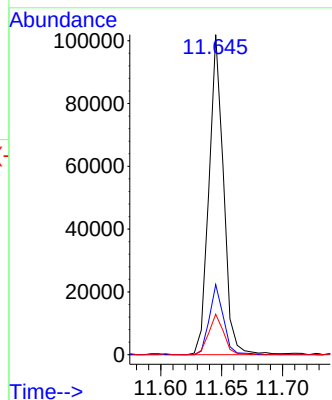
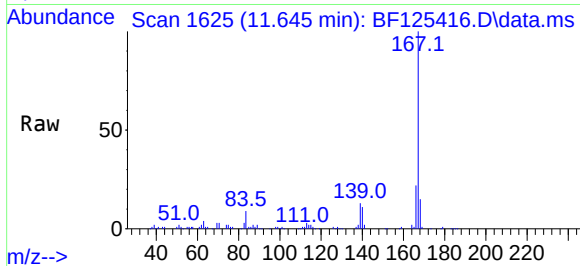




#73
 Carbazole
 Concen: 3.805 ng
 RT: 11.645 min Scan# 1625
 Delta R.T. -0.006 min
 Lab File: BF125416.D
 Acq: 9 Sep 2021 18:05

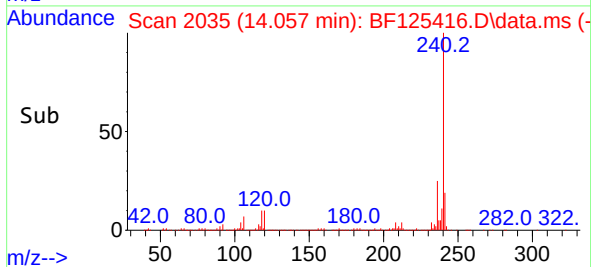
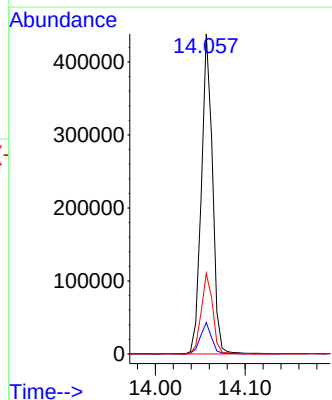
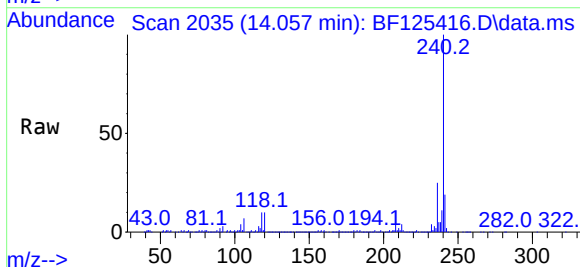
Instrument :
 BNA_F
 ClientSampleId :
 UTILITY-POLES-BRIGE-PIERS-DEC

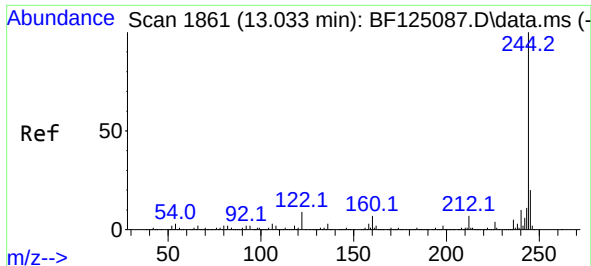
Tgt Ion:167 Resp: 84728
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.0
 139 12.7 11.0 16.4



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.057 min Scan# 2035
 Delta R.T. -0.006 min
 Lab File: BF125416.D
 Acq: 9 Sep 2021 18:05

Tgt Ion:240 Resp: 377670
 Ion Ratio Lower Upper
 240 100
 120 9.8 10.8 16.2#
 236 25.2 21.6 32.4

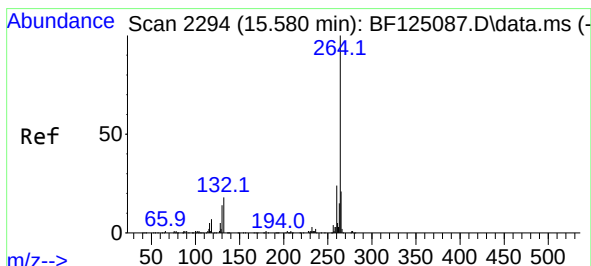
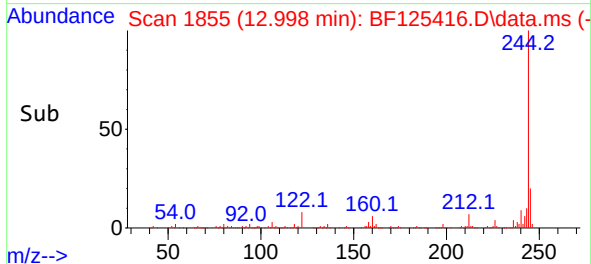
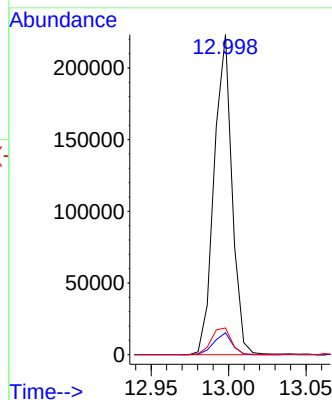
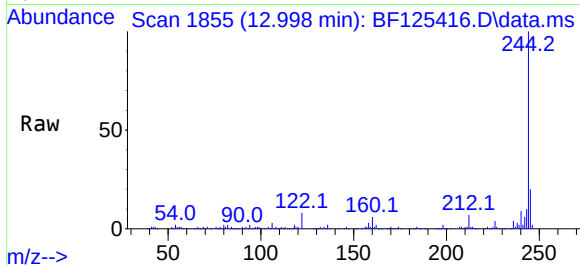




#79
Terphenyl-d14
Concen: 7.544 ng
RT: 12.998 min Scan# 1855
Delta R.T. -0.006 min
Lab File: BF125416.D
Acq: 9 Sep 2021 18:05

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

Tgt Ion:244 Resp: 178854
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 8.3 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: BF125416.D
Acq: 9 Sep 2021 18:05

Tgt Ion:264 Resp: 311578
Ion Ratio Lower Upper
264 100
260 24.8 19.6 29.4
265 20.9 17.2 25.8

