

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101421\
 Data File : BF125851.D
 Acq On : 14 Oct 2021 18:41
 Operator : JU/CG
 Sample : M4191-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-5

Quant Time: Oct 15 10:42:00 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 12:29:41 2021
 Response via : Initial Calibration

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

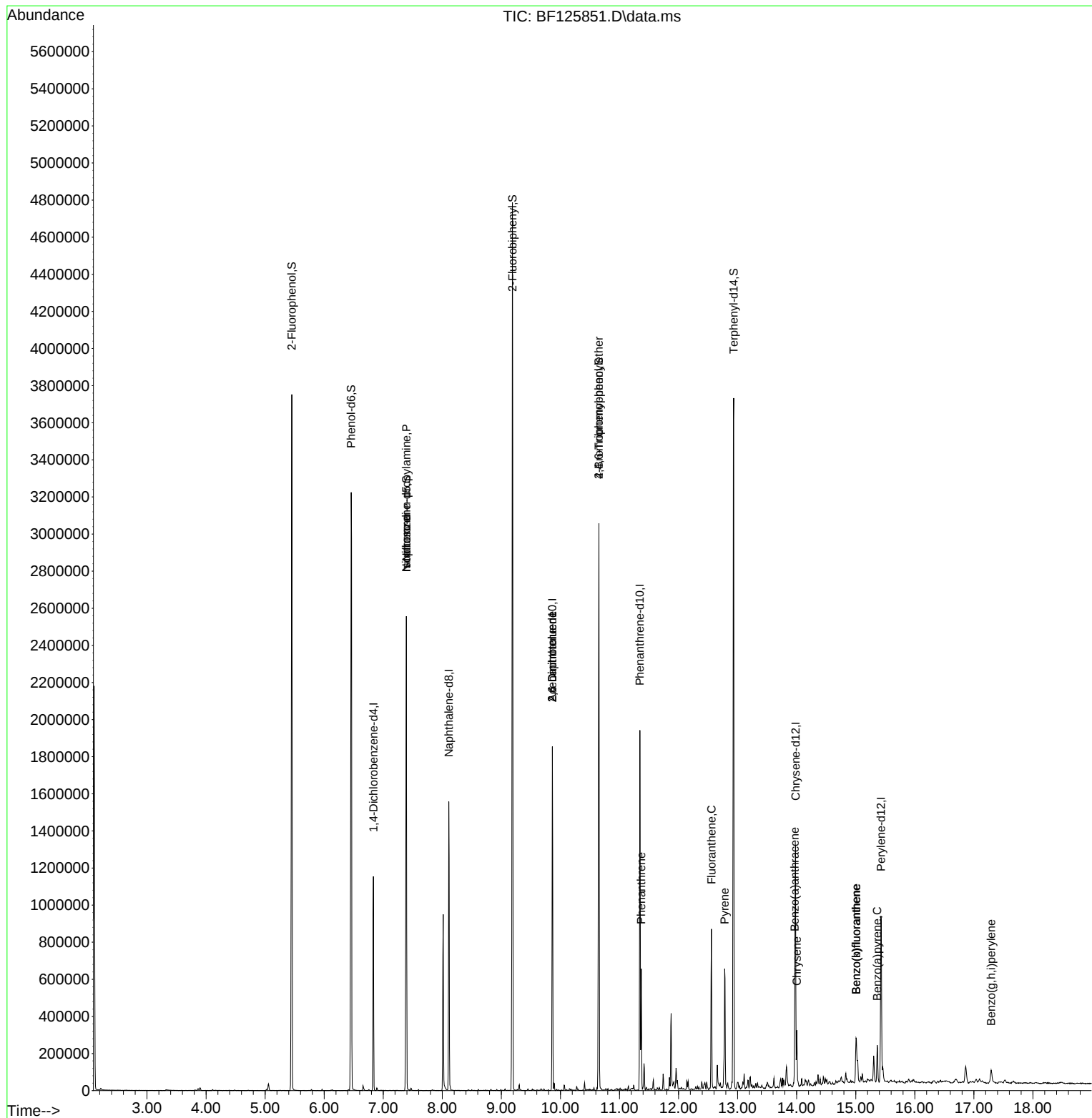
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	176515	20.000	ng	-0.01
21) Naphthalene-d8	8.110	136	708482	20.000	ng	#-0.02
39) Acenaphthene-d10	9.863	164	374484	20.000	ng	-0.02
64) Phenanthrene-d10	11.345	188	649362	20.000	ng	#-0.02
76) Chrysene-d12	13.980	240	392260	20.000	ng	-0.02
86) Perylene-d12	15.427	264	395388	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1143863	105.863	ng	-0.01
7) Phenol-d6	6.457	99	1423867	102.365	ng	-0.02
23) Nitrobenzene-d5	7.392	82	820347	71.975	ng	-0.02
42) 2,4,6-Tribromophenol	10.651	330	392714	106.216	ng	-0.02
45) 2-Fluorobiphenyl	9.186	172	1550308	71.405	ng	-0.02
79) Terphenyl-d14	12.933	244	1328081	51.573	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	104533	14.236	ng	# 49
25) Isophorone	7.392	82	820340	40.626	ng	# 59
51) 2,6-Dinitrotoluene	9.863	165	48405	9.714	ng	# 28
57) 2,4-Dinitrotoluene	9.863	165	48405	7.683	ng	# 20
67) 4-Bromophenyl-phenylether	10.651	248	21673	3.014	ng	# 1
71) Phenanthrene	11.369	178	214573	6.176	ng	100
75) Fluoranthene	12.557	202	311379	9.932	ng	98
78) Pyrene	12.780	202	268799	6.745	ng	97
81) Benzo(a)anthracene	13.969	228	119895	4.711	ng	99
83) Chrysene	14.004	228	101313	4.028	ng	98
88) Benzo(b)fluoranthene	15.010	252	175165	7.847	ng	99
89) Benzo(k)fluoranthene	15.010	252	175165	7.643	ng	# 96
90) Benzo(a)pyrene	15.363	252	90466	4.576	ng	99
92) Benzo(g,h,i)perylene	17.292	276	51918	2.042	ng	97

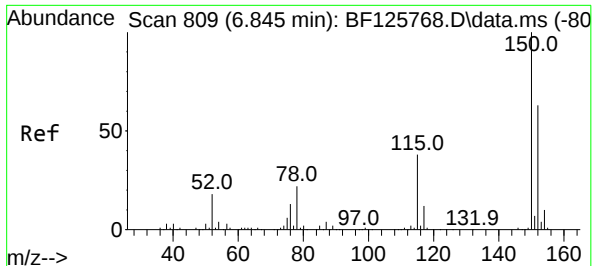
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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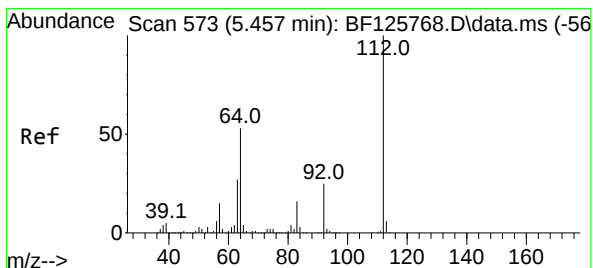
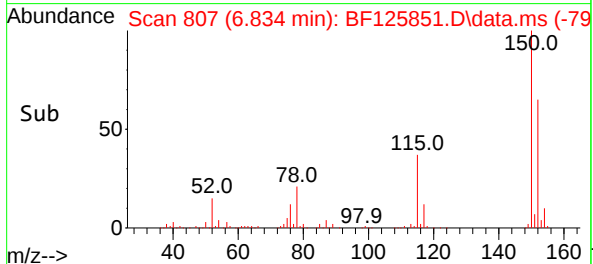
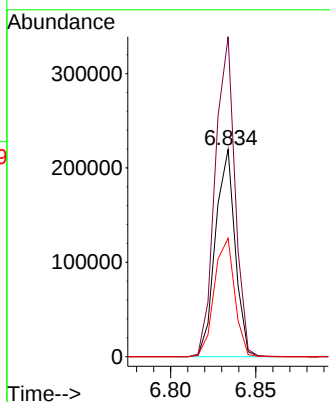
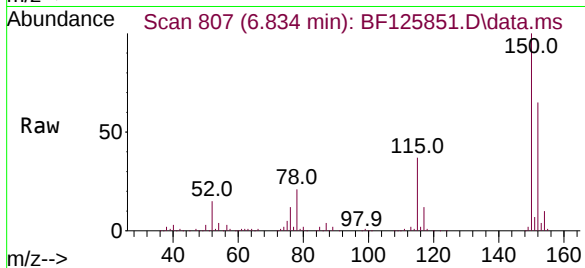




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.011 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

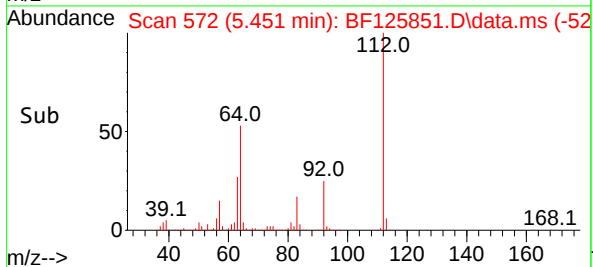
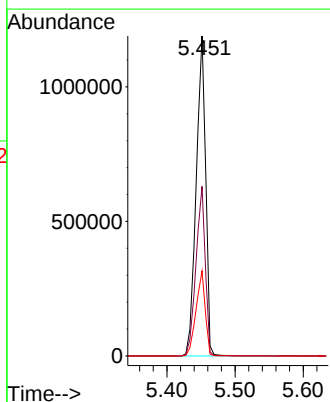
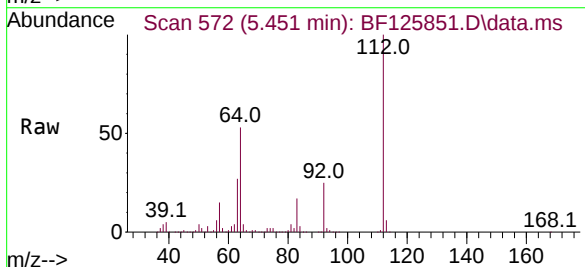
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BNA_F
ClientSampleId :
COMP-5

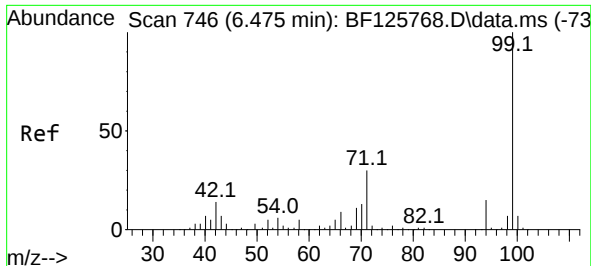
Tgt Ion:152 Resp: 176515
Ion Ratio Lower Upper
152 100
150 154.4 117.6 176.4
115 57.1 47.1 70.7



#5
2-Fluorophenol
Concen: 105.863 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.012 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

Tgt Ion:112 Resp: 1143863
Ion Ratio Lower Upper
112 100
64 53.0 44.2 66.2
63 26.6 26.2 39.2

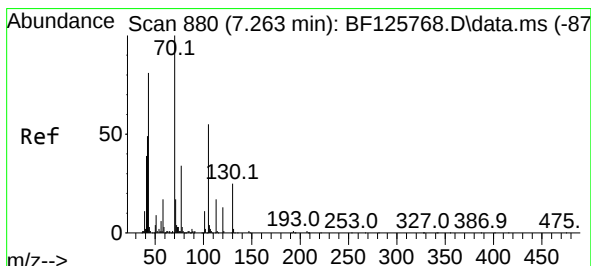
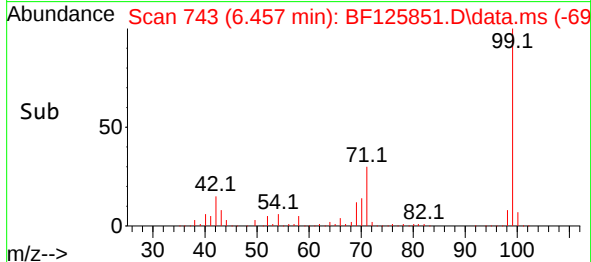
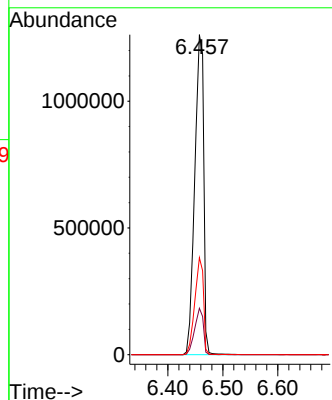
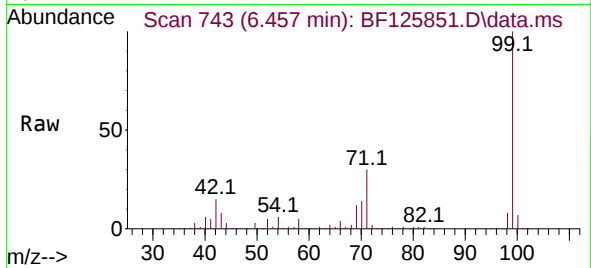




#7
Phenol-d6
Concen: 102.365 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

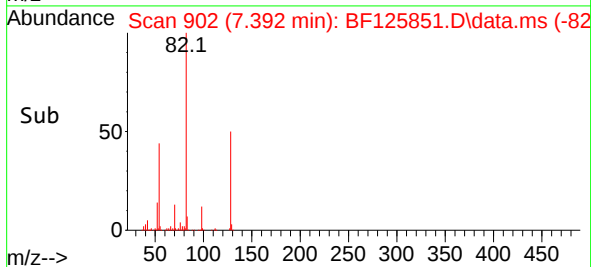
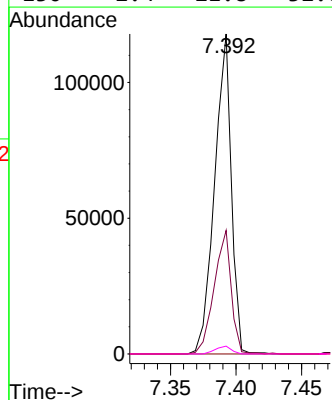
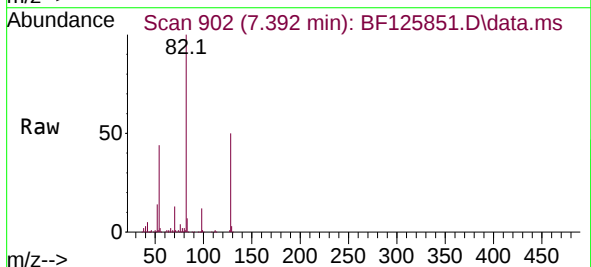
Instrument :
BNA_F
ClientSampleId :
COMP-5

Tgt Ion: 99 Resp: 1423867
Ion Ratio Lower Upper
99 100
42 14.5 23.5 35.3#
71 30.3 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.236 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.129 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

Tgt Ion: 70 Resp: 104533
Ion Ratio Lower Upper
70 100
42 38.6 72.2 108.2#
101 0.0 7.8 11.8#
130 2.4 21.8 32.6#

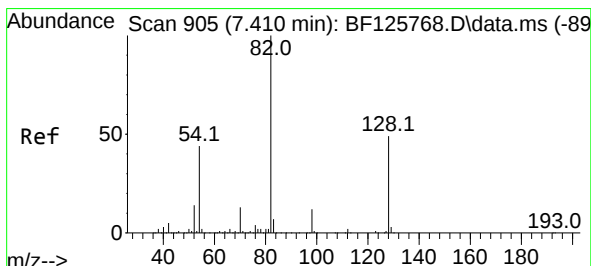
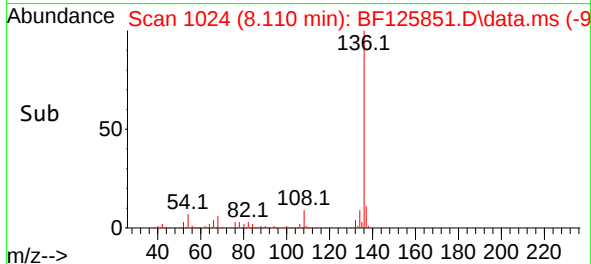
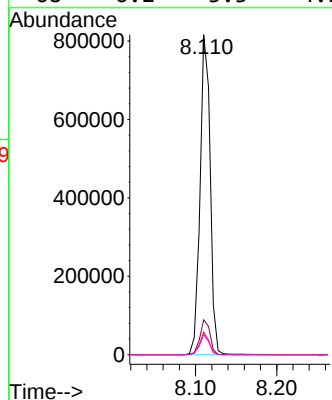
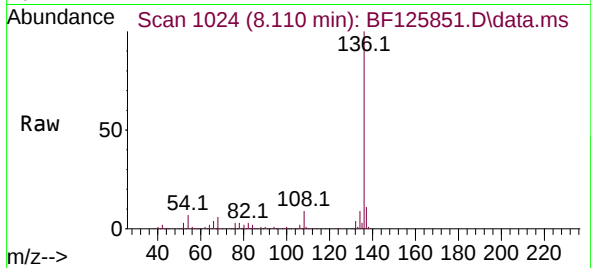




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.018 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

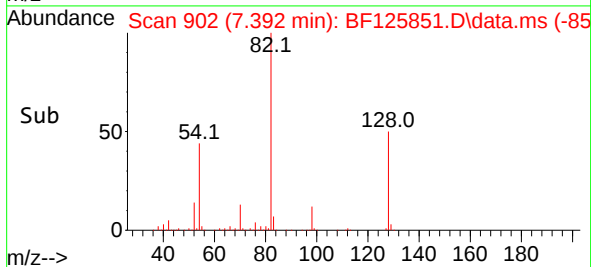
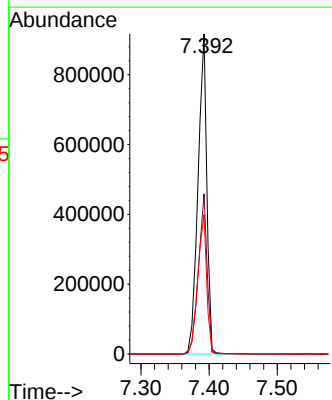
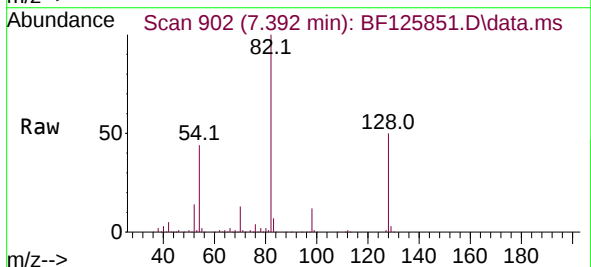
Instrument :
BNA_F
ClientSampleId :
COMP-5

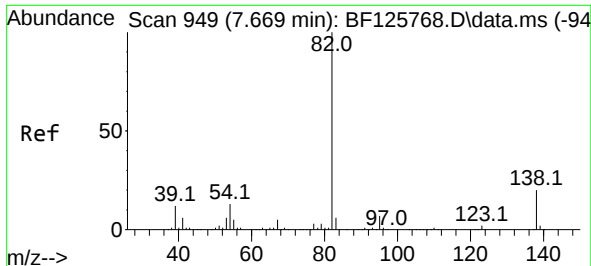
Tgt Ion:136 Resp: 708482
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 7.0 6.4 9.6
68 6.2 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 71.975 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.018 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

Tgt Ion: 82 Resp: 820347
Ion Ratio Lower Upper
82 100
128 50.0 40.6 60.8
54 43.5 49.6 74.4#

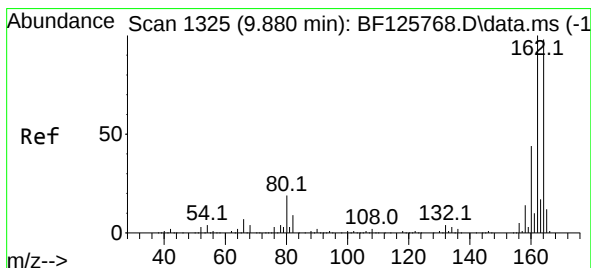
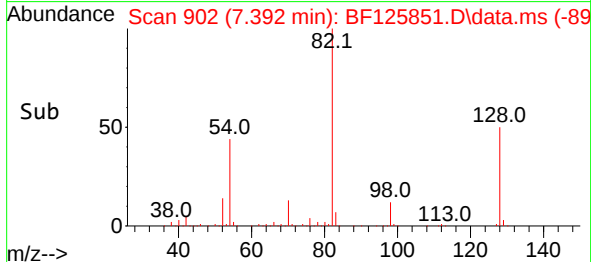
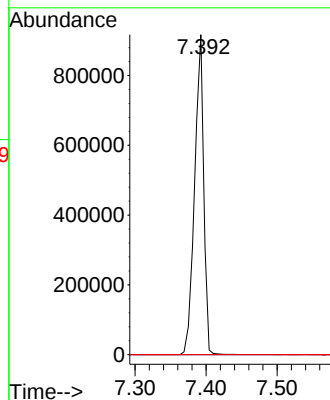
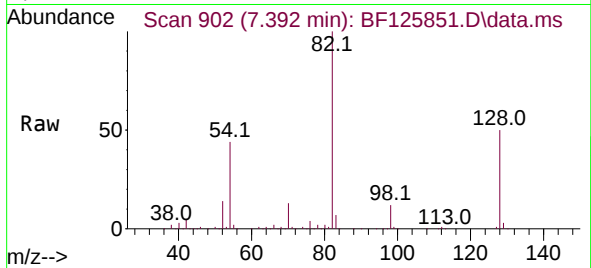




#25
Isophorone
Concen: 40.626 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.276 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

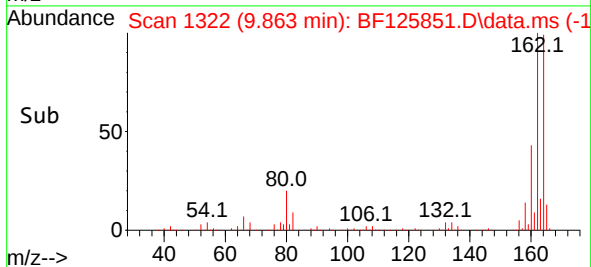
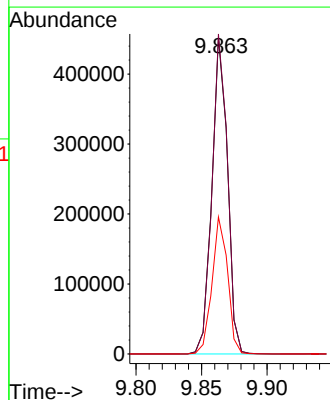
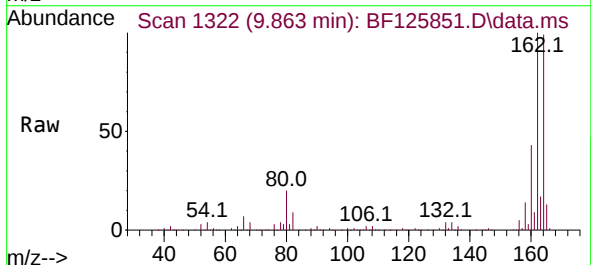
Instrument :
BNA_F
ClientSampleId :
COMP-5

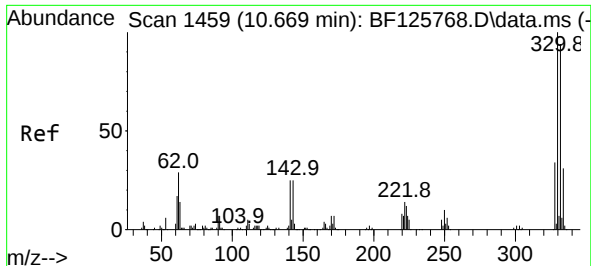
Tgt Ion: 82 Resp: 820340
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.018 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

Tgt Ion: 164 Resp: 374484
Ion Ratio Lower Upper
164 100
162 101.2 81.3 121.9
160 43.3 38.0 57.0

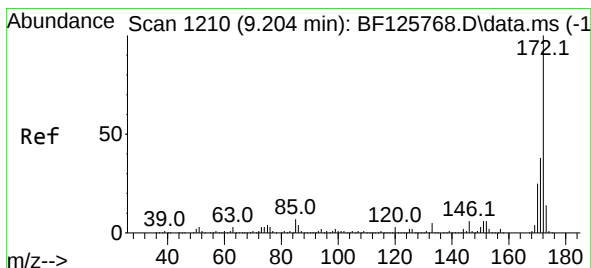
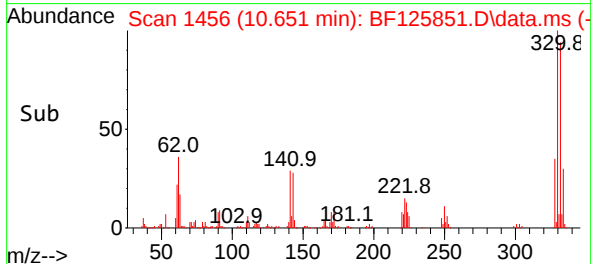
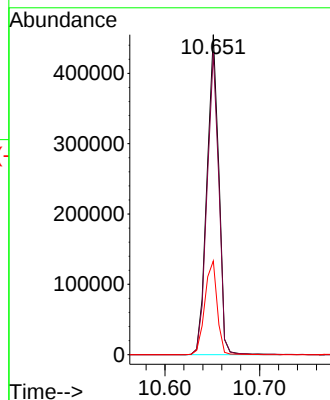
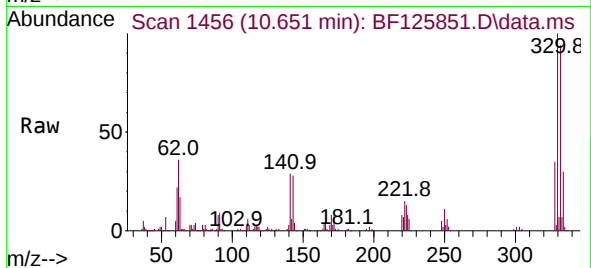




#42
2,4,6-Tribromophenol
Concen: 106.216 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.018 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

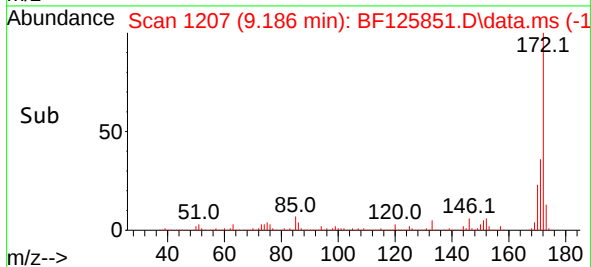
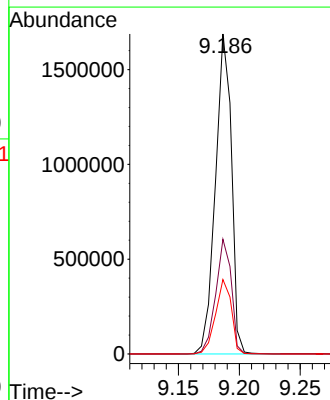
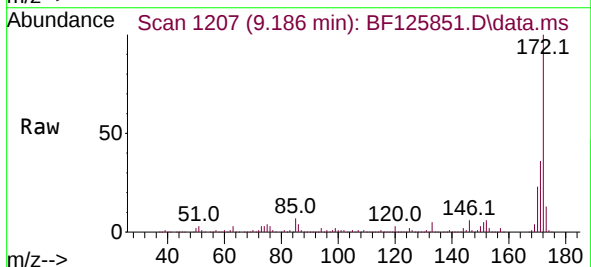
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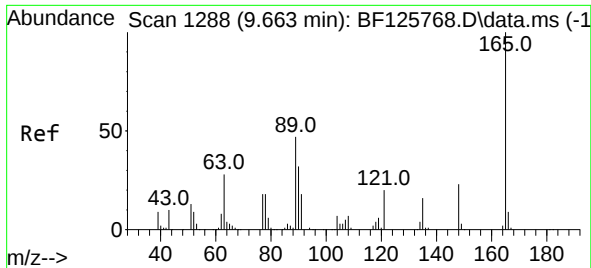
Tgt Ion:330 Resp: 392714
Ion Ratio Lower Upper
330 100
332 94.0 76.2 114.4
141 30.7 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 71.405 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.018 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

Tgt Ion:172 Resp: 1550308
Ion Ratio Lower Upper
172 100
171 35.9 26.5 39.7
170 23.3 18.8 28.2

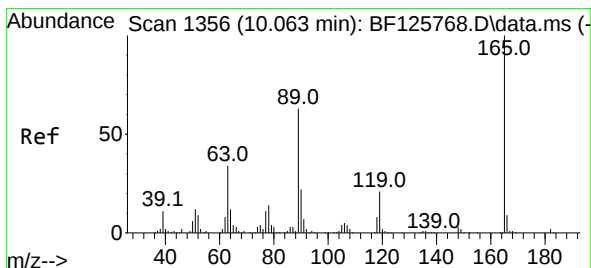
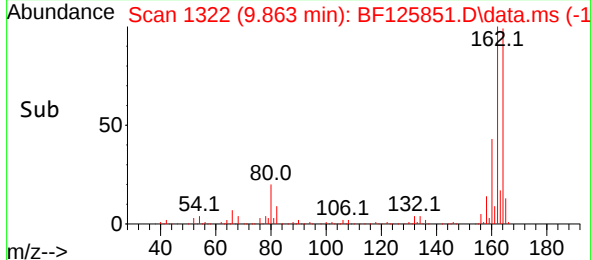
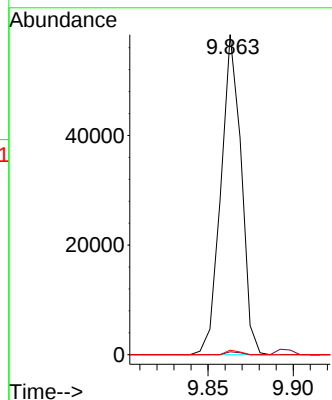
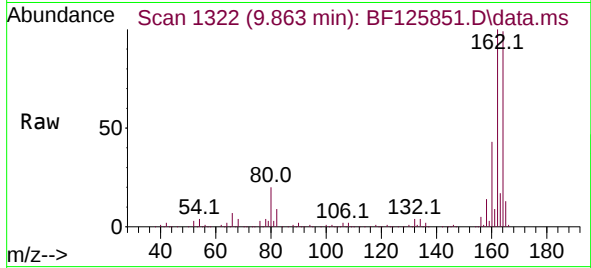




#51
2,6-Dinitrotoluene
Concen: 9.714 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.200 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

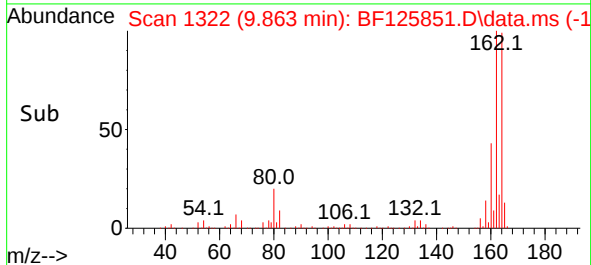
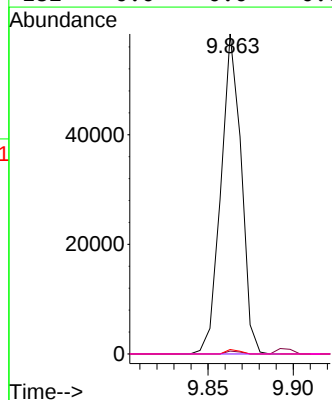
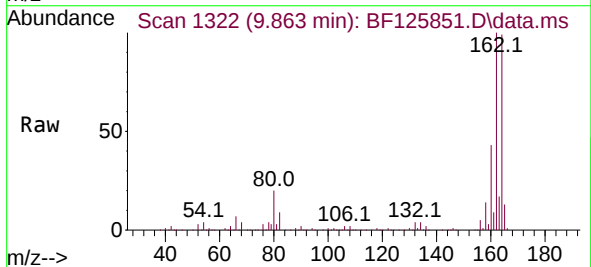
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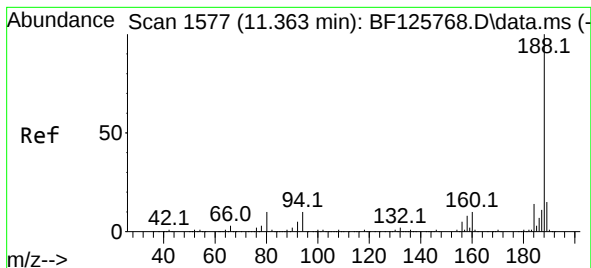
Tgt Ion:165 Resp: 48405
Ion Ratio Lower Upper
165 100
63 0.9 42.6 63.8#
89 1.4 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.683 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.200 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

Tgt Ion:165 Resp: 48405
Ion Ratio Lower Upper
165 100
63 0.9 40.9 61.3#
89 1.4 59.7 89.5#
182 0.0 0.0 0.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.018 min

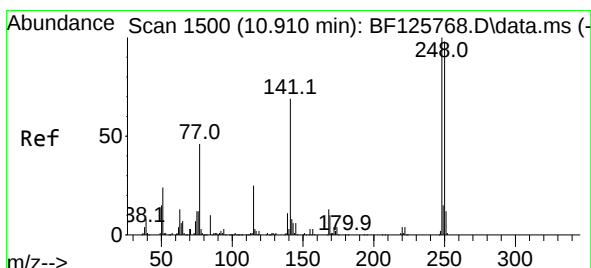
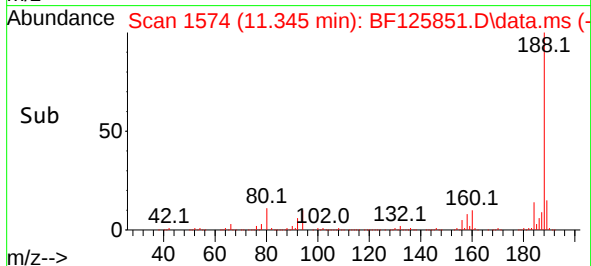
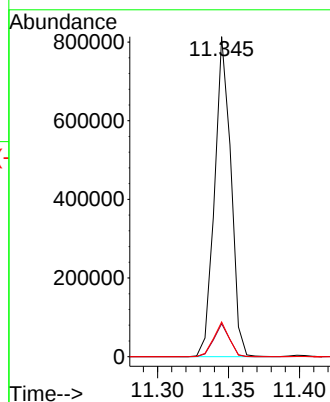
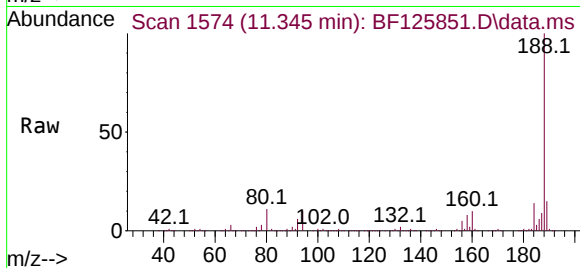
Lab File: BF125851.D

Acq: 14 Oct 2021 18:41

Tgt Ion:188 Resp: 649362

Ion Ratio Lower Upper

188	100		
94	10.3	6.7	10.1#
80	10.8	7.5	11.3



#67

4-Bromophenyl-phenylether

Concen: 3.014 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.259 min

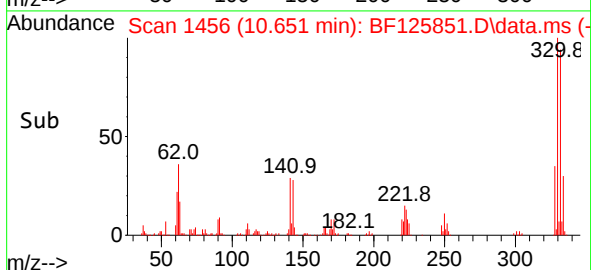
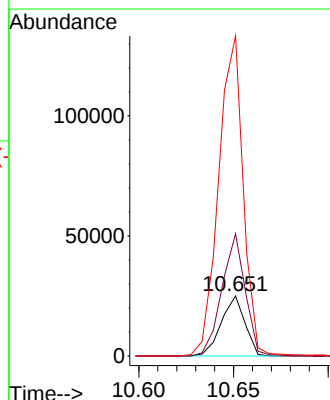
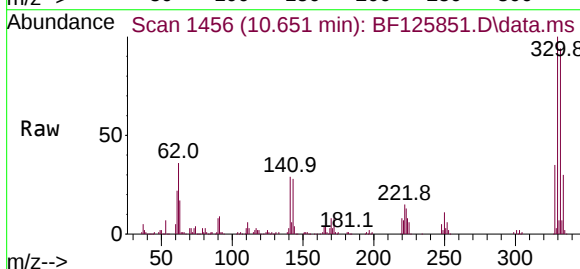
Lab File: BF125851.D

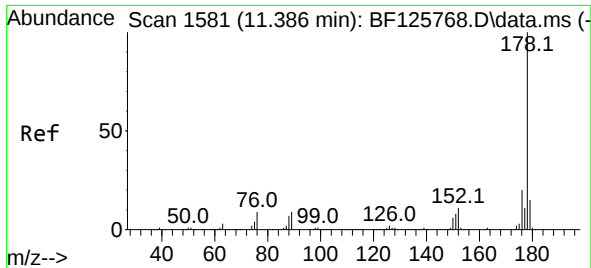
Acq: 14 Oct 2021 18:41

Tgt Ion:248 Resp: 21673

Ion Ratio Lower Upper

248	100		
250	203.6	74.2	111.4#
141	533.0	60.4	90.6#

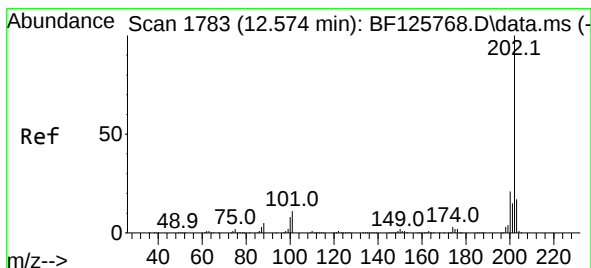
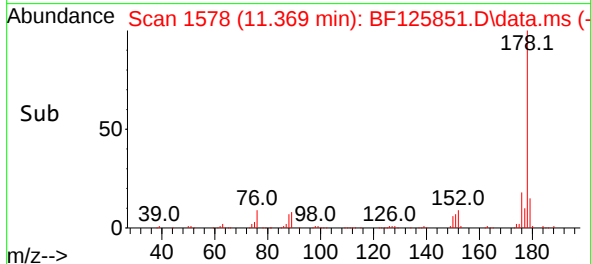
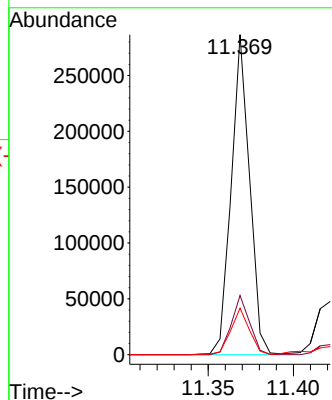
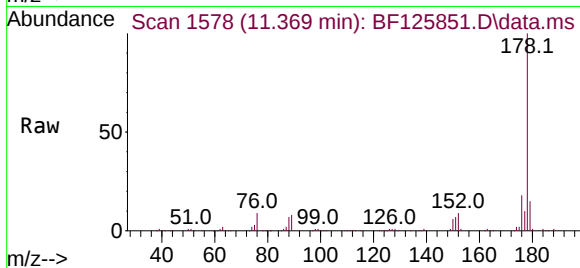




#71
Phenanthrene
Concen: 6.176 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.024 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

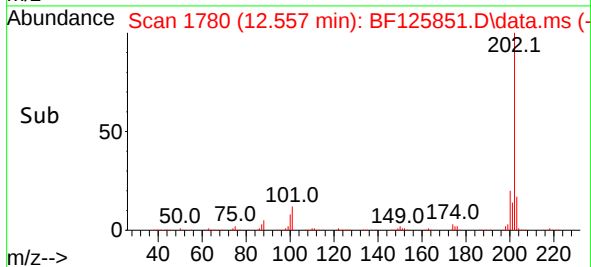
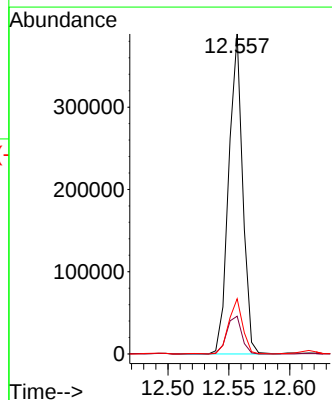
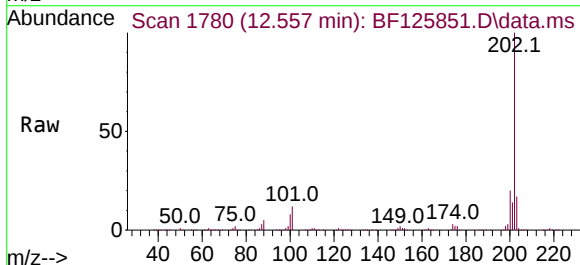
Instrument :
BNA_F
ClientSampleId :
COMP-5

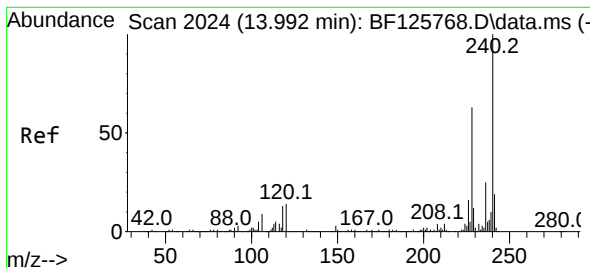
Tgt Ion:178 Resp: 214573
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 14.5 11.5 17.3



#75
Fluoranthene
Concen: 9.932 ng
RT: 12.557 min Scan# 1780
Delta R.T. -0.018 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

Tgt Ion:202 Resp: 311379
Ion Ratio Lower Upper
202 100
101 11.8 0.0 30.7
203 17.2 0.0 36.3

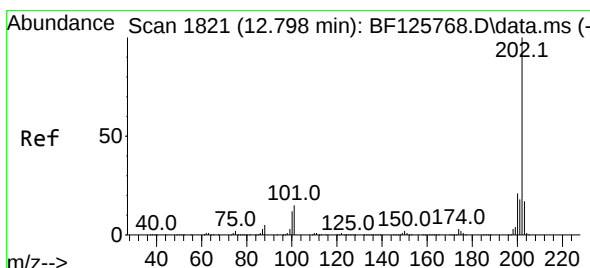
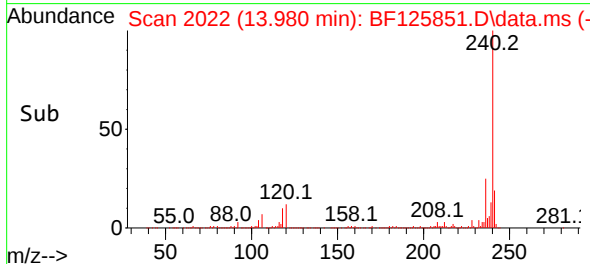
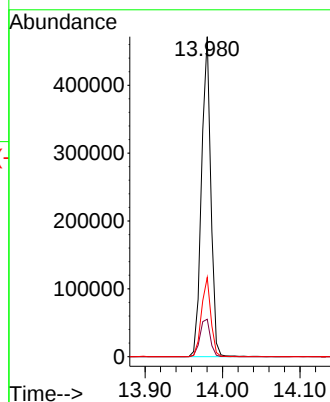
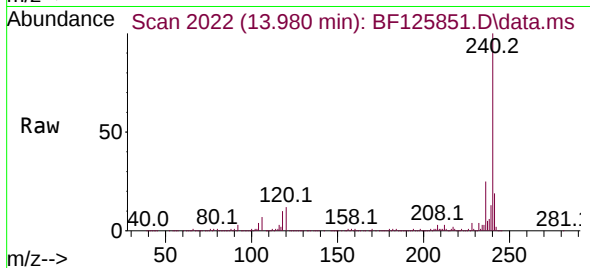




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.018 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

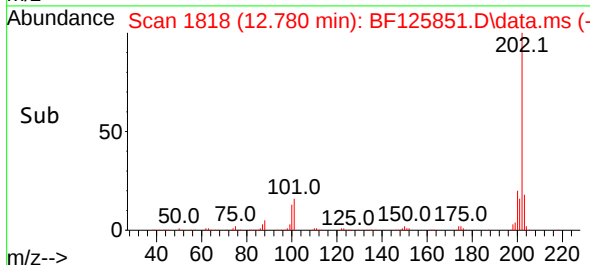
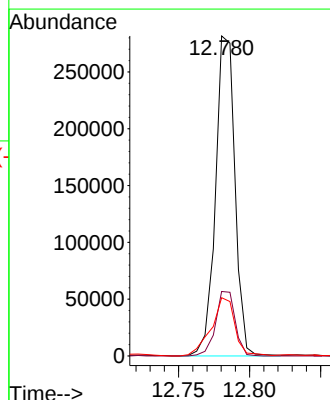
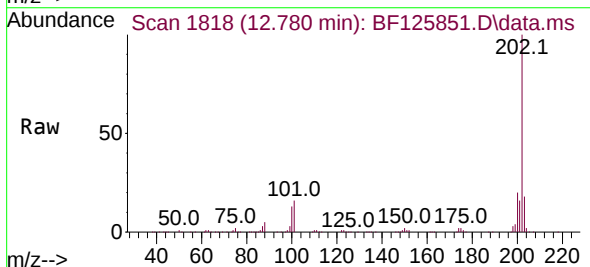
Instrument :
BNA_F
ClientSampleId :
COMP-5

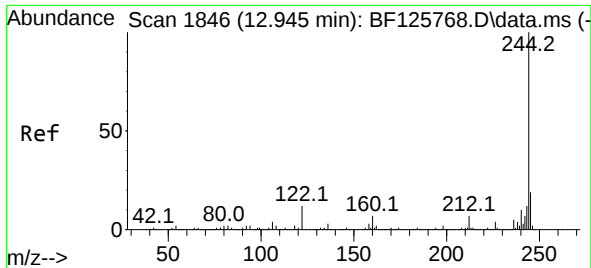
Tgt Ion:240 Resp: 392260
Ion Ratio Lower Upper
240 100
120 11.7 10.8 16.2
236 24.8 21.6 32.4



#78
Pyrene
Concen: 6.745 ng
RT: 12.780 min Scan# 1818
Delta R.T. -0.024 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

Tgt Ion:202 Resp: 268799
Ion Ratio Lower Upper
202 100
200 20.2 15.3 22.9
203 18.2 13.4 20.0

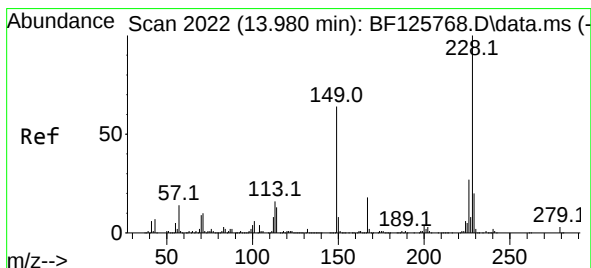
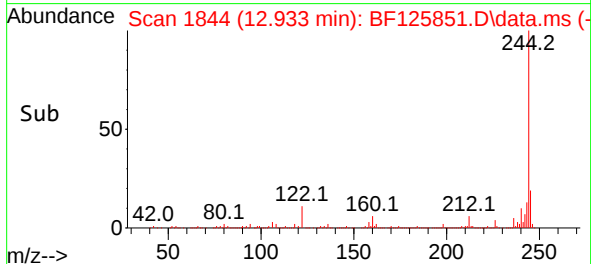
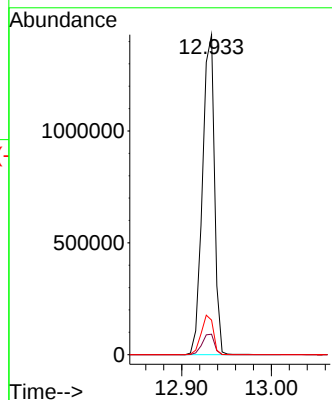
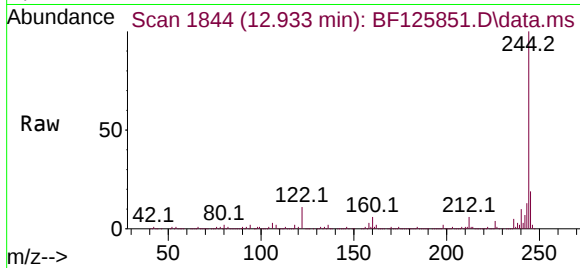




#79
Terphenyl-d14
Concen: 51.573 ng
RT: 12.933 min Scan# 1844
Delta R.T. -0.012 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

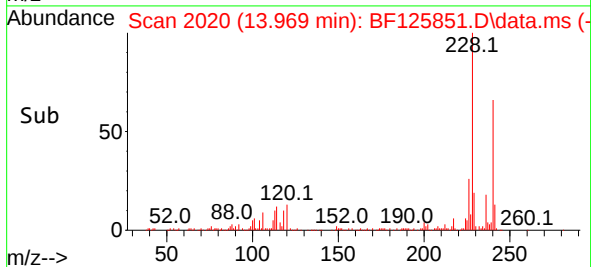
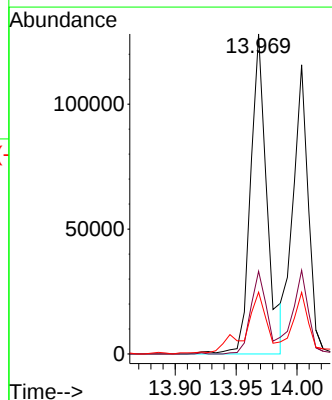
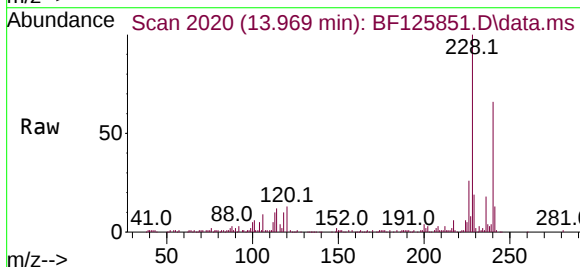
Instrument :
BNA_F
ClientSampleId :
COMP-5

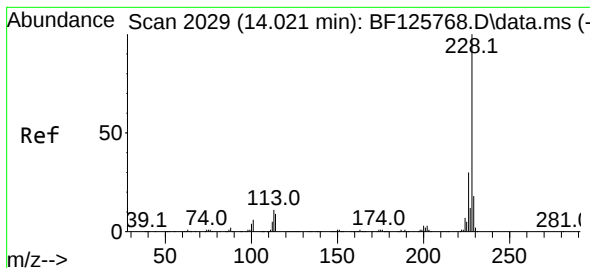
Tgt Ion:244 Resp: 1328081
Ion Ratio Lower Upper
244 100
212 6.4 5.9 8.9
122 10.8 9.0 13.4



#81
Benzo(a)anthracene
Concen: 4.711 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.018 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

Tgt Ion:228 Resp: 119895
Ion Ratio Lower Upper
228 100
226 25.8 21.6 32.4
229 19.3 15.6 23.4





#83

Chrysene

Concen: 4.028 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.024 min

Lab File: BF125851.D

Acq: 14 Oct 2021 18:41

Tgt Ion:228 Resp: 101313

Ion Ratio Lower Upper

228 100

226 29.0 22.6 34.0

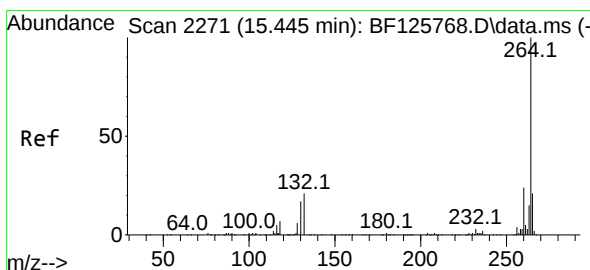
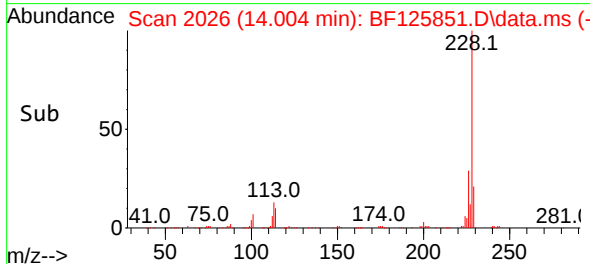
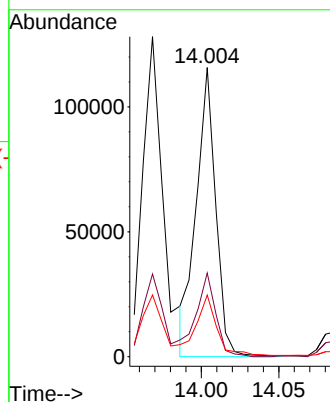
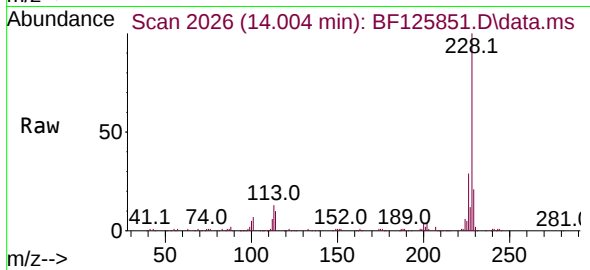
229 21.3 15.9 23.9

Instrument :

BNA_F

ClientSampleId :

COMP-5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 2268

Delta R.T. -0.024 min

Lab File: BF125851.D

Acq: 14 Oct 2021 18:41

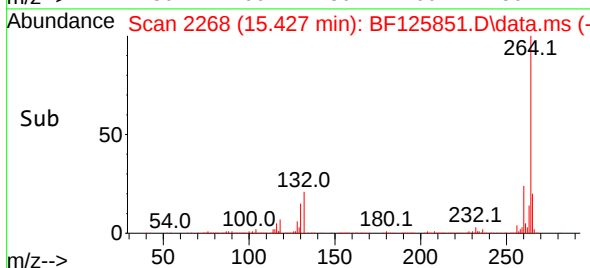
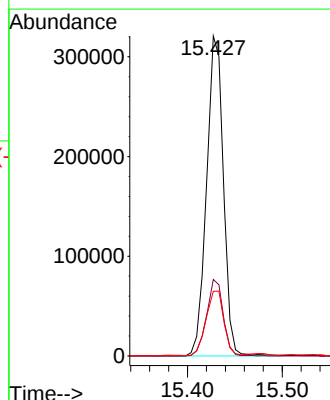
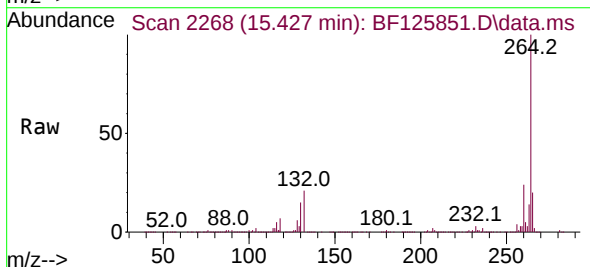
Tgt Ion:264 Resp: 395388

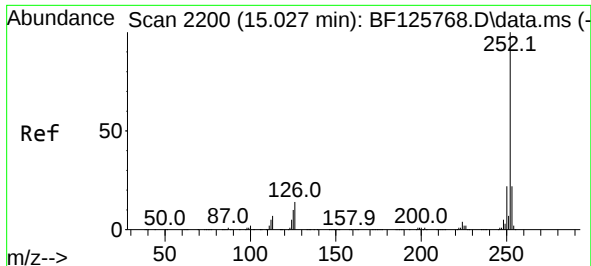
Ion Ratio Lower Upper

264 100

260 23.9 19.6 29.4

265 20.2 17.2 25.8

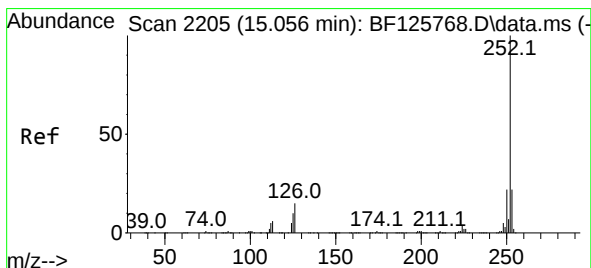
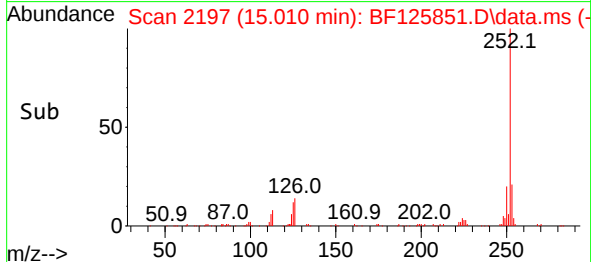
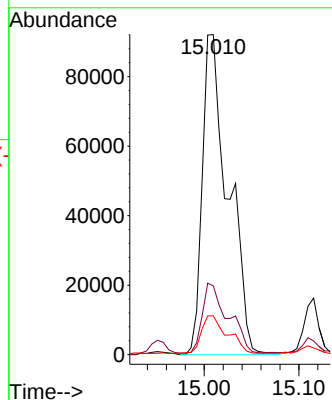
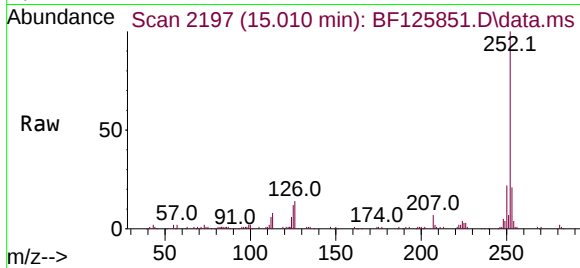




#88
Benzo(b)fluoranthene
Concen: 7.847 ng
RT: 15.010 min Scan# 2197
Delta R.T. -0.018 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

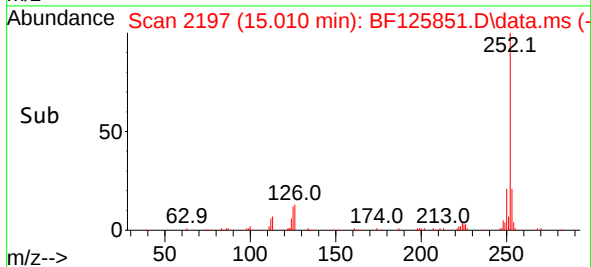
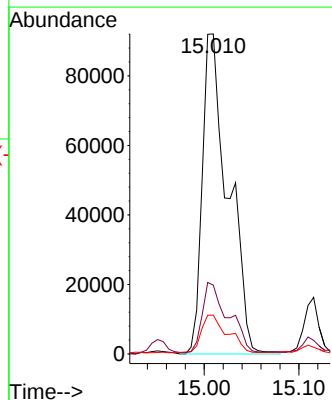
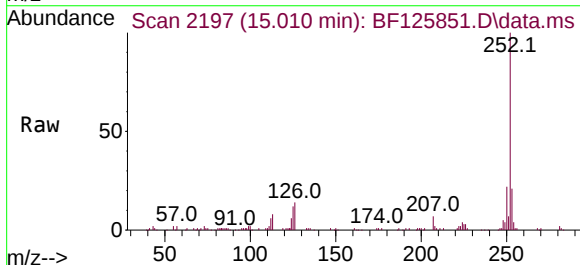
Instrument :
BNA_F
ClientSampleId :
COMP-5

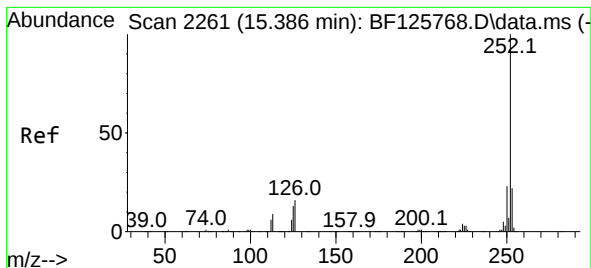
Tgt Ion:252 Resp: 175165
Ion Ratio Lower Upper
252 100
253 21.5 16.8 25.2
125 12.2 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 7.643 ng
RT: 15.010 min Scan# 2197
Delta R.T. -0.053 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

Tgt Ion:252 Resp: 175165
Ion Ratio Lower Upper
252 100
253 21.5 17.8 26.8
125 12.2 7.2 10.8#

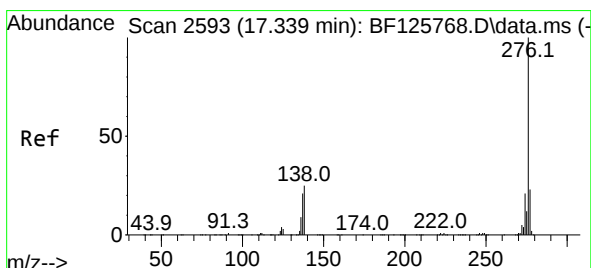
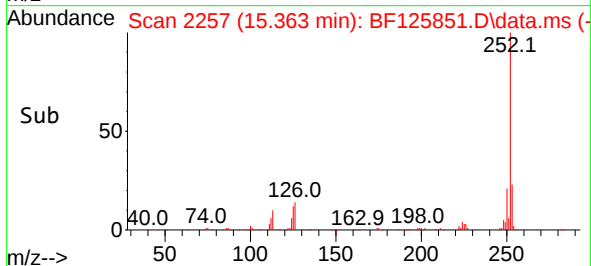
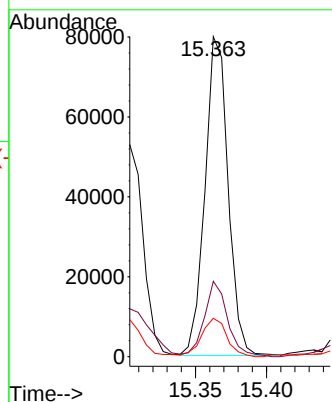
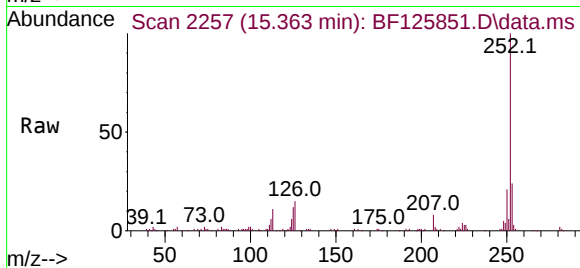




#90
Benzo(a)pyrene
Concen: 4.576 ng
RT: 15.363 min Scan# 2257
Delta R.T. -0.029 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

Instrument :
BNA_F
ClientSampleId :
COMP-5

Tgt Ion:252 Resp: 90466
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 12.0 9.9 14.9



#92
Benzo(g,h,i)perylene
Concen: 2.042 ng
RT: 17.292 min Scan# 2585
Delta R.T. -0.059 min
Lab File: BF125851.D
Acq: 14 Oct 2021 18:41

Tgt Ion:276 Resp: 51918
Ion Ratio Lower Upper
276 100
277 26.1 22.0 33.0
138 26.3 22.2 33.4

