

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081121\
 Data File : BF125064.D
 Acq On : 11 Aug 2021 19:36
 Operator : JU/CG
 Sample : M3342-01 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12017

Quant Time: Aug 12 05:10:59 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 10 11:32:36 2021
 Response via : Initial Calibration

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

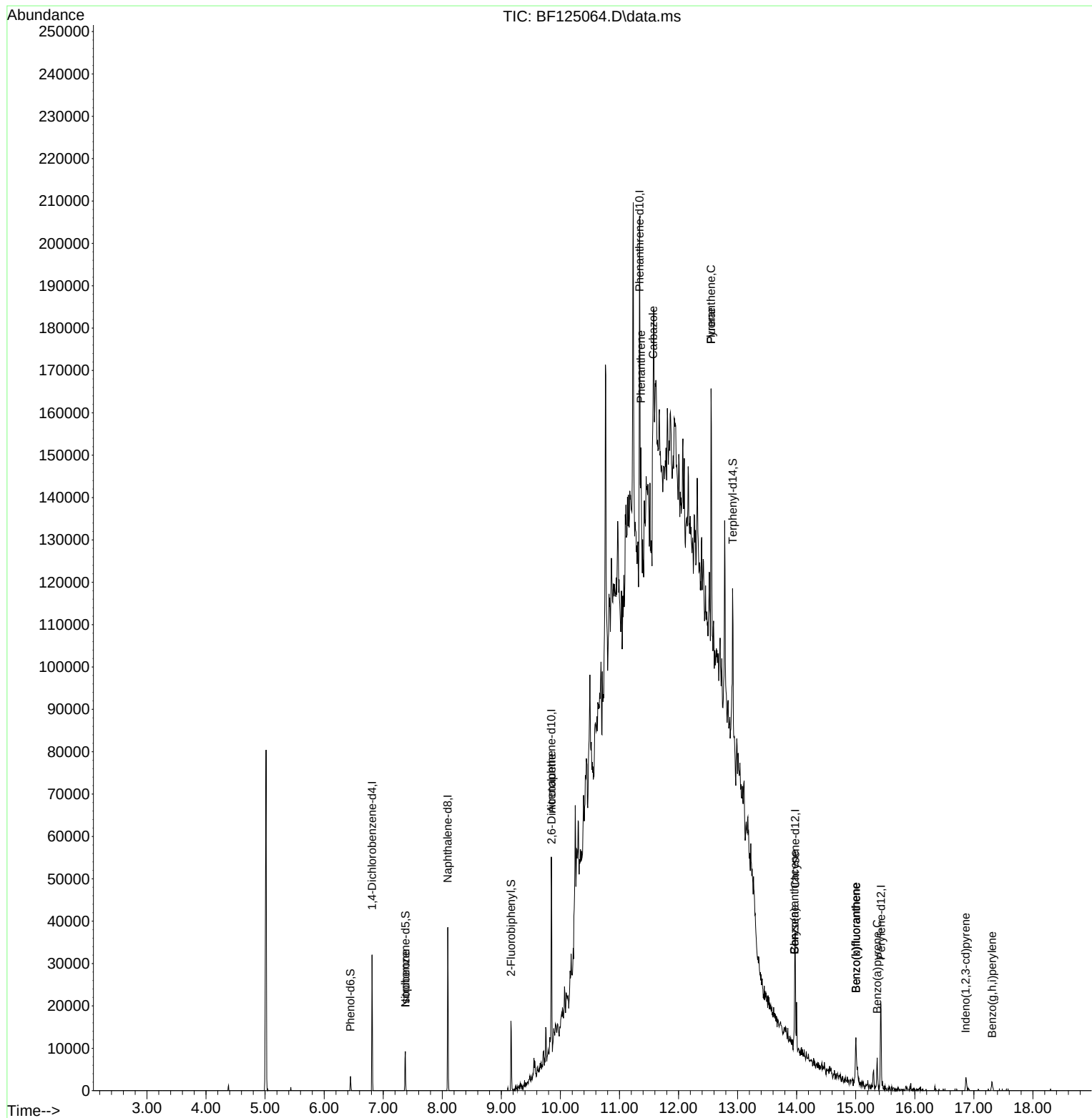
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	4219	20.000	ng	# 0.00
21) Naphthalene-d8	8.092	136	14756	20.000	ng	# 0.00
39) Acenaphthene-d10	9.845	164	7922	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	20108	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	9430	20.000	ng	# 0.00
86) Perylene-d12	15.427	264	10594	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	150	0.582	ng	0.00
7) Phenol-d6	6.445	99	1683	5.182	ng	0.00
23) Nitrobenzene-d5	7.375	82	3418	12.117	ng	0.00
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	9.163	172	6015	11.110	ng	-0.01
79) Terphenyl-d14	12.916	244	9572	17.122	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.375	82	3418	7.100	ng	# 59
51) 2,6-Dinitrotoluene	9.851	165	1154	9.654	ng	# 26
71) Phenanthrene	11.363	178	11669	10.698	ng	# 89
73) Carbazole	11.569	167	2515	2.506	ng	# 18
75) Fluoranthene	12.551	202	20753	18.391	ng	98
78) Pyrene	12.551	202	20753	27.940	ng	99
81) Benzo(a)anthracene	13.963	228	4257	6.927	ng	98
83) Chrysene	13.963	228	4257	7.166	ng	97
87) Indeno(1,2,3-cd)pyrene	16.862	276	2962	4.695	ng	# 72
88) Benzo(b)fluoranthene	15.004	252	8524	11.459	ng	97
89) Benzo(k)fluoranthene	15.004	252	8524	12.597	ng	# 96
90) Benzo(a)pyrene	15.363	252	3991	6.301	ng	96
92) Benzo(g,h,i)perylene	17.309	276	2591	4.870	ng	# 71

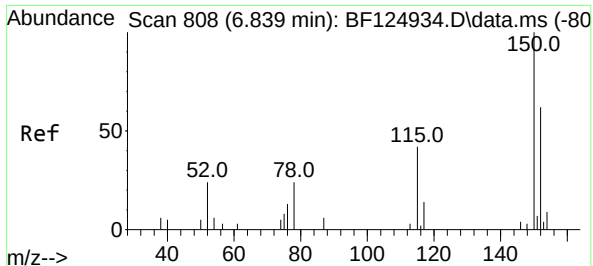
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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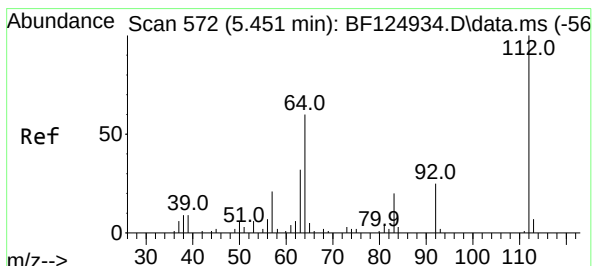
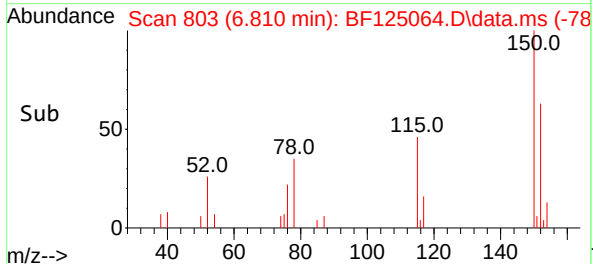
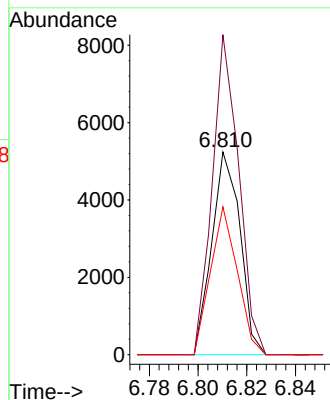
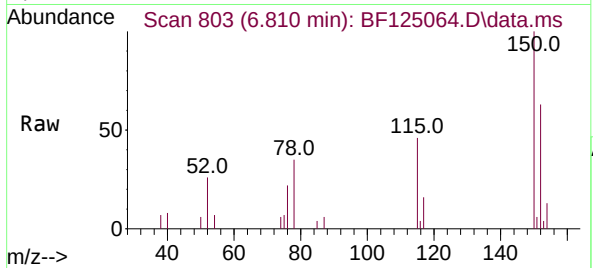




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF125064.D
Acq: 11 Aug 2021 19:36

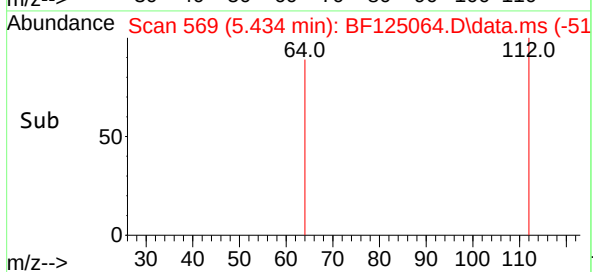
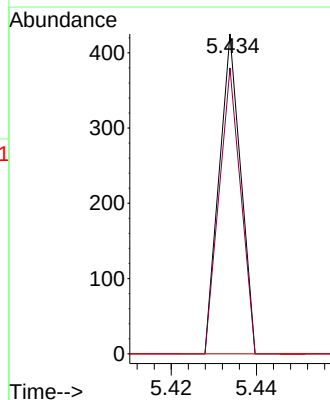
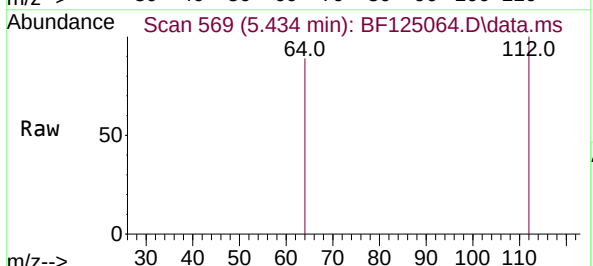
Instrument :
BNA_F
ClientSampled :
72-12017

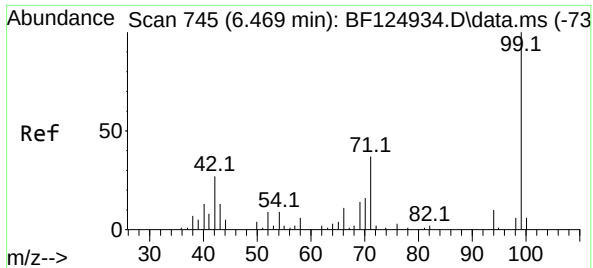
Tgt Ion:152 Resp: 4219
Ion Ratio Lower Upper
152 100
150 157.8 117.6 176.4
115 72.9 47.1 70.7#



#5
2-Fluorophenol
Concen: 0.582 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.000 min
Lab File: BF125064.D
Acq: 11 Aug 2021 19:36

Tgt Ion:112 Resp: 150
Ion Ratio Lower Upper
112 100
64 89.4 44.2 66.2#
63 0.0 26.2 39.2#

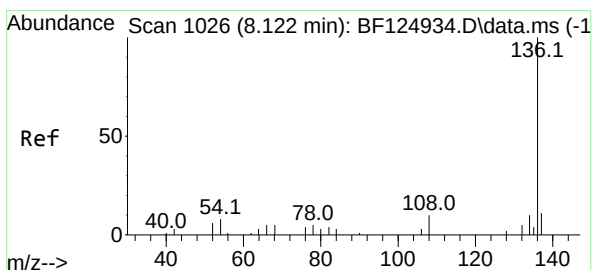
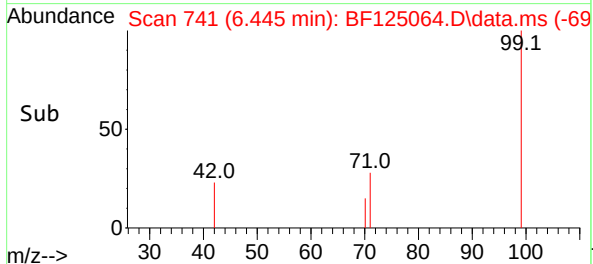
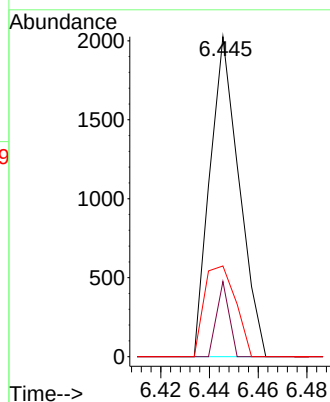
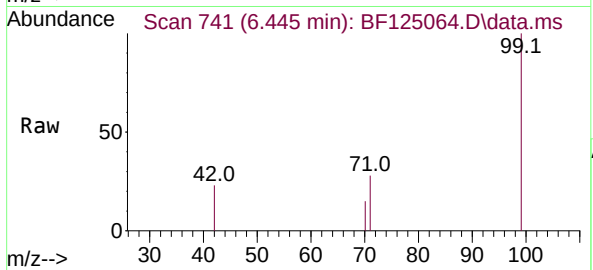




#7
Phenol-d6
Concen: 5.182 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF125064.D
Acq: 11 Aug 2021 19:36

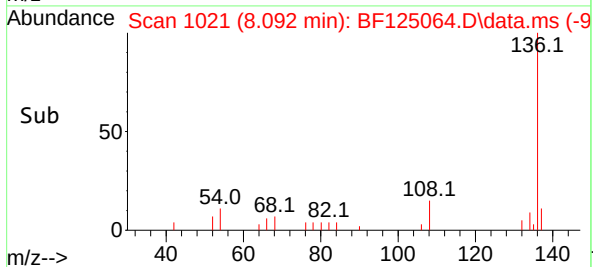
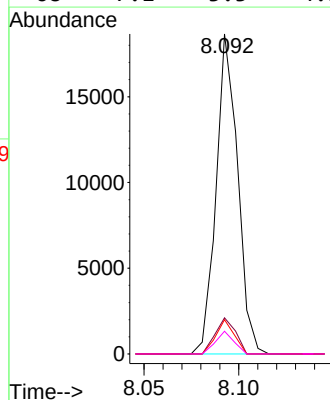
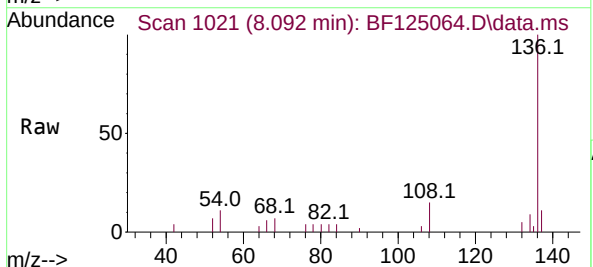
Instrument :
BNA_F
ClientSampleId :
72-12017

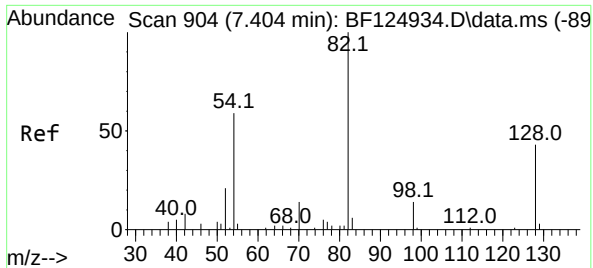
Tgt Ion:	99	Resp:	1683
Ion	Ratio	Lower	Upper
99	100		
42	23.5	23.5	35.3#
71	28.3	25.6	38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF125064.D
Acq: 11 Aug 2021 19:36

Tgt Ion:	136	Resp:	14756
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.8	14.6
54	10.7	6.4	9.6#
68	7.1	3.3	4.9#

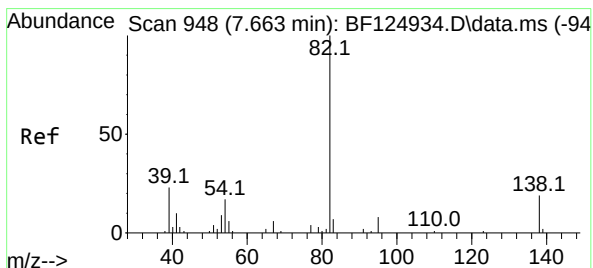
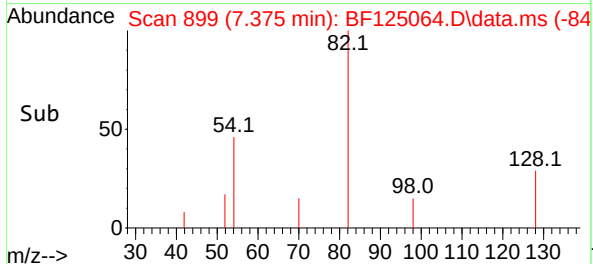
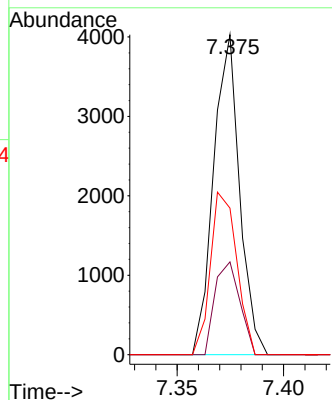
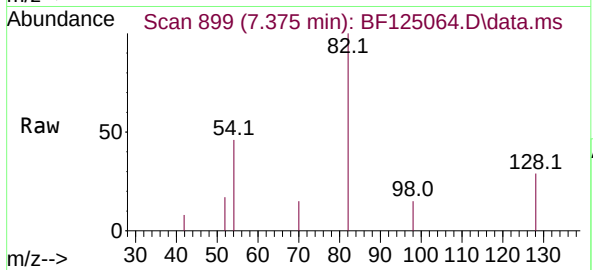




#23
Nitrobenzene-d5
Concen: 12.117 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF125064.D
Acq: 11 Aug 2021 19:36

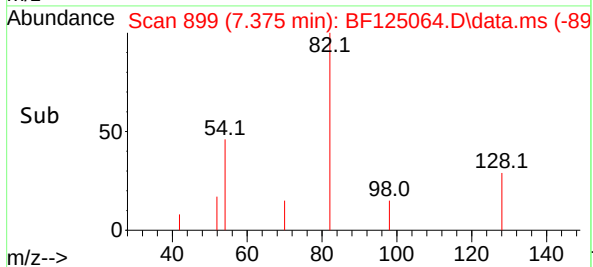
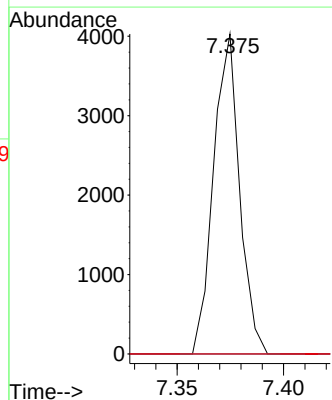
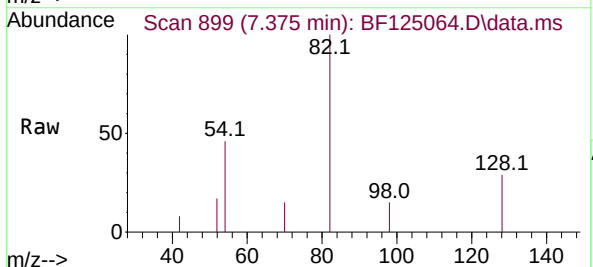
Instrument :
BNA_F
ClientSampleId :
72-12017

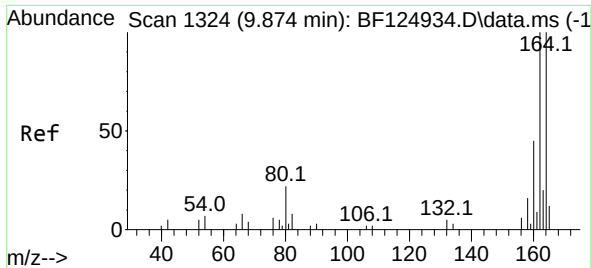
Tgt Ion: 82 Resp: 3418
Ion Ratio Lower Upper
82 100
128 29.0 40.6 60.8#
54 45.8 49.6 74.4#



#25
Isophorone
Concen: 7.100 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF125064.D
Acq: 11 Aug 2021 19:36

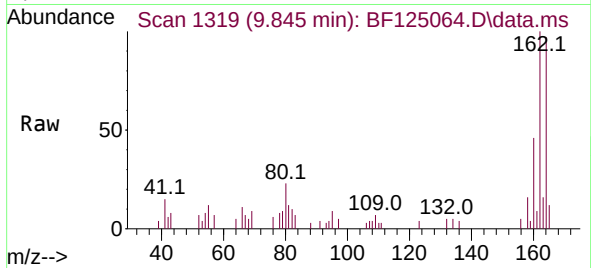
Tgt Ion: 82 Resp: 3418
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



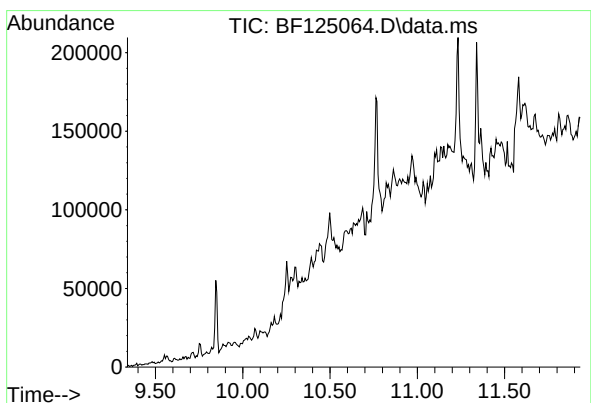
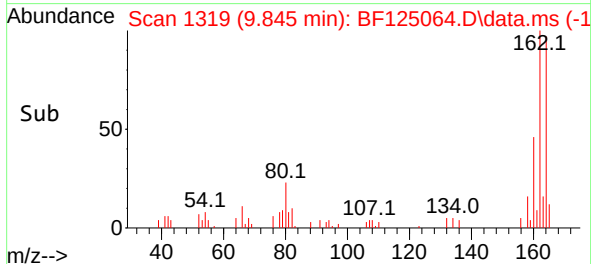
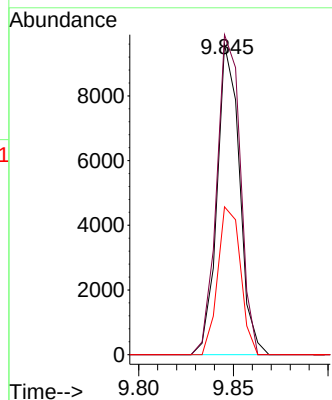


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.845 min Scan# 1319
 Delta R.T. -0.006 min
 Lab File: BF125064.D
 Acq: 11 Aug 2021 19:36

Instrument :
 BNA_F
 ClientSampleId :
 72-12017



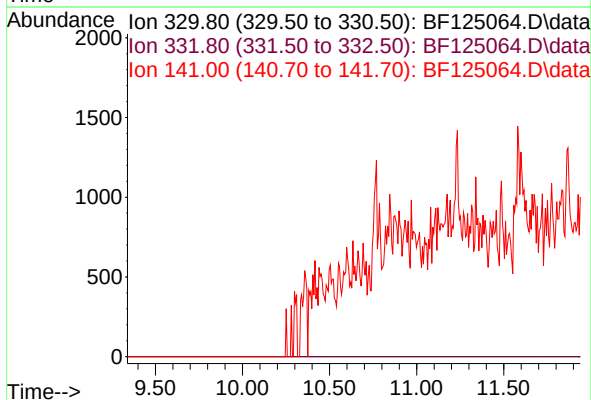
Tgt Ion:164 Resp: 7922
 Ion Ratio Lower Upper
 164 100
 162 103.1 81.3 121.9
 160 47.6 38.0 57.0

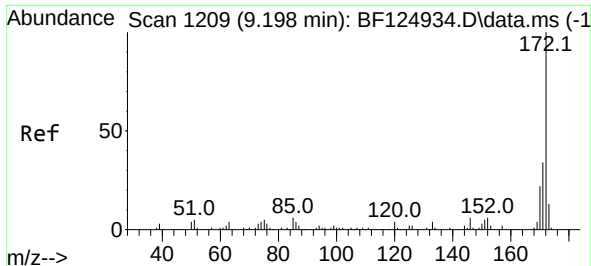


#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.64 min

Lab File: BF125064.D
 Acq: 11 Aug 2021 19:36

Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 95.3
 141 55.7

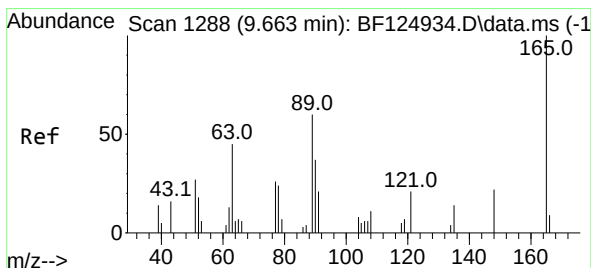
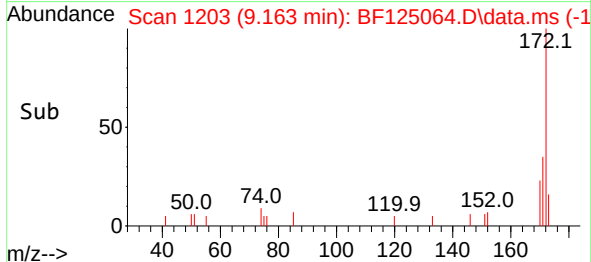
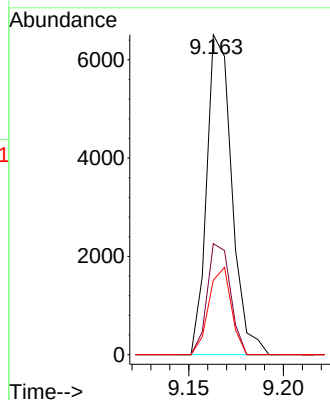
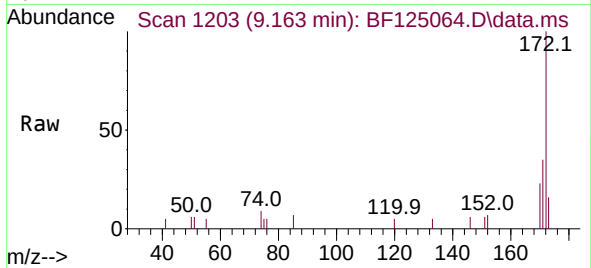




#45
2-Fluorobiphenyl
Concen: 11.110 ng
RT: 9.163 min Scan# 1203
Delta R.T. -0.012 min
Lab File: BF125064.D
Acq: 11 Aug 2021 19:36

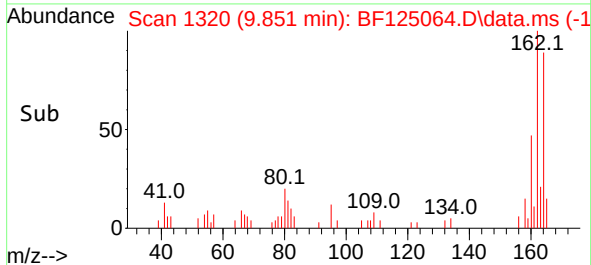
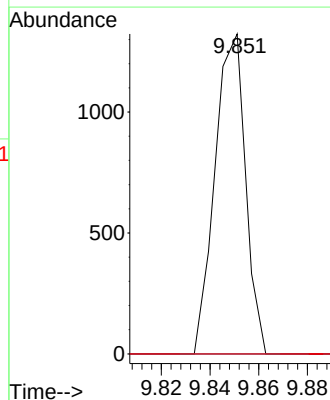
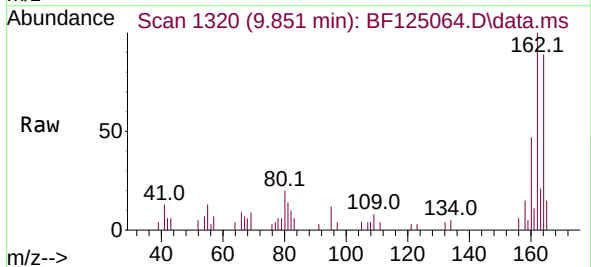
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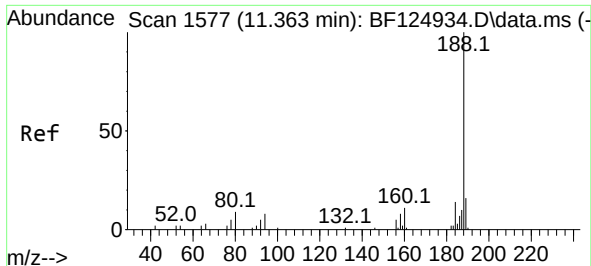
Tgt Ion:172	Resp:	6015
Ion Ratio	Lower	Upper
172	100	
171	34.7	26.5 39.7
170	23.2	18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.654 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.212 min
Lab File: BF125064.D
Acq: 11 Aug 2021 19:36

Tgt Ion:165	Resp:	1154
Ion Ratio	Lower	Upper
165	100	
63	0.0	42.6 63.8#
89	0.0	40.6 60.8#

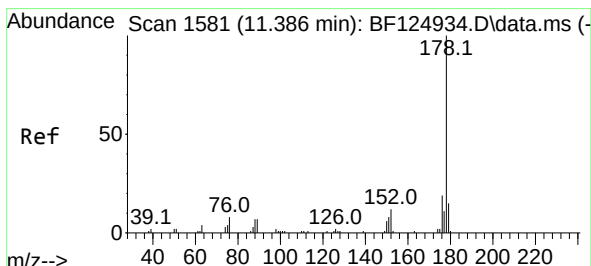
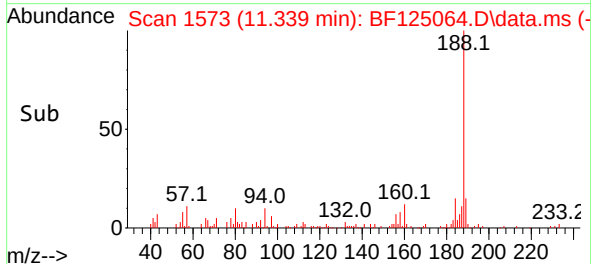
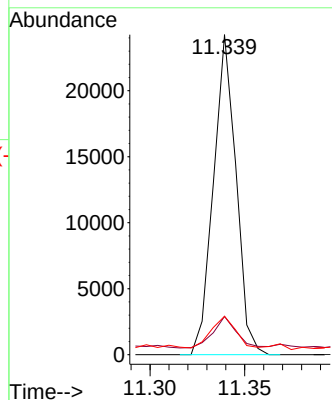
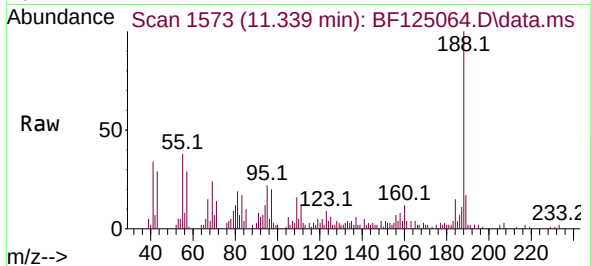




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.006 min
Lab File: BF125064.D
Acq: 11 Aug 2021 19:36

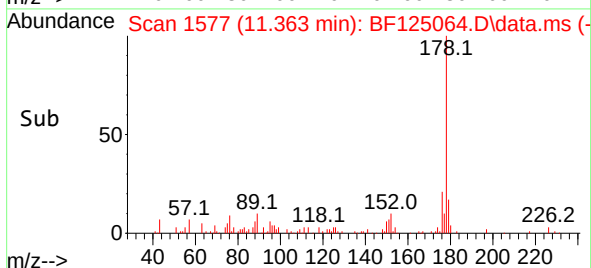
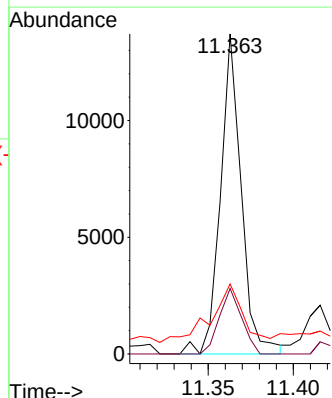
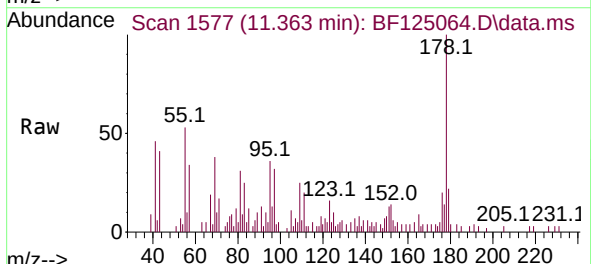
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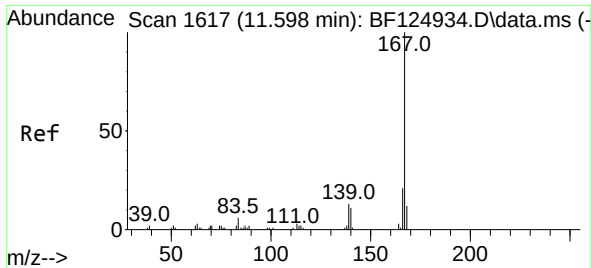
Tgt Ion:188 Resp: 20108
Ion Ratio Lower Upper
188 100
94 12.0 6.7 10.1#
80 12.0 7.5 11.3#



#71
Phenanthrene
Concen: 10.698 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF125064.D
Acq: 11 Aug 2021 19:36

Tgt Ion:178 Resp: 11669
Ion Ratio Lower Upper
178 100
176 20.4 14.7 22.1
179 21.9 11.5 17.3#

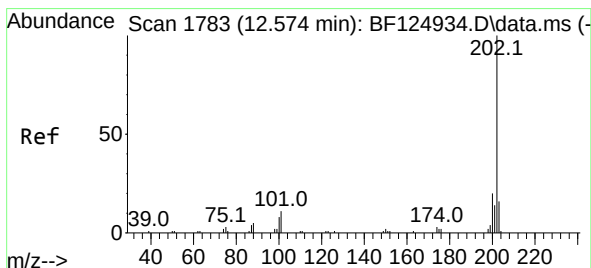
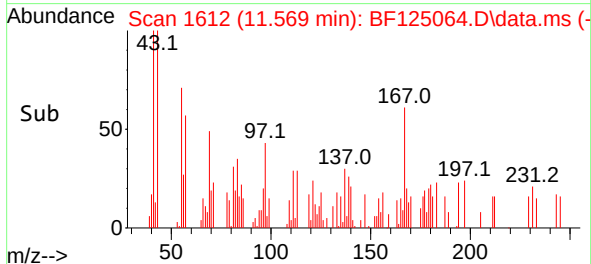
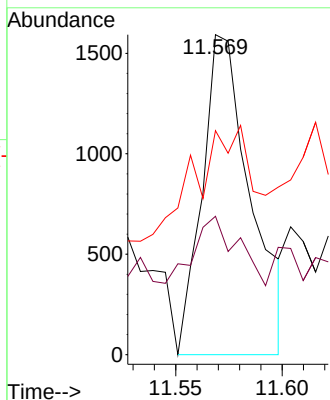
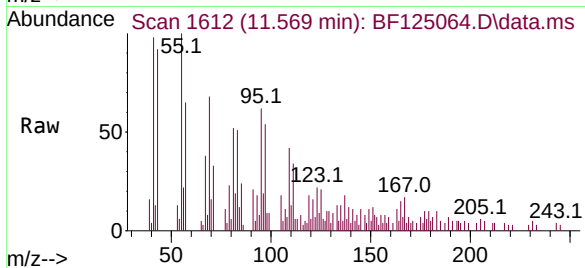




#73
 Carbazole
 Concen: 2.506 ng
 RT: 11.569 min Scan# 1612
 Delta R.T. 0.000 min
 Lab File: BF125064.D
 Acq: 11 Aug 2021 19:36

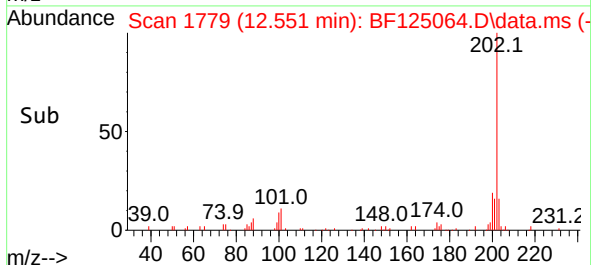
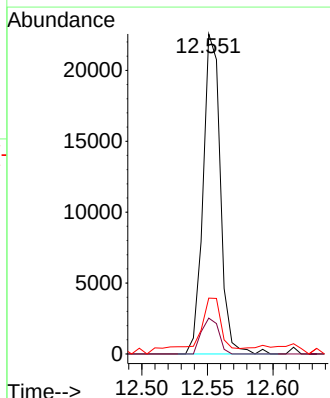
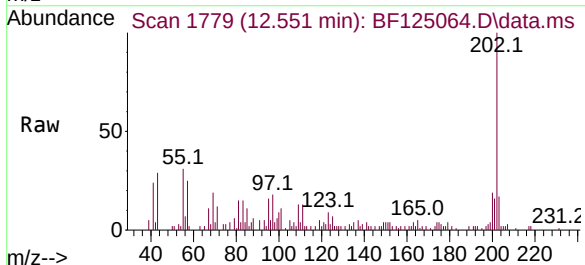
Instrument :
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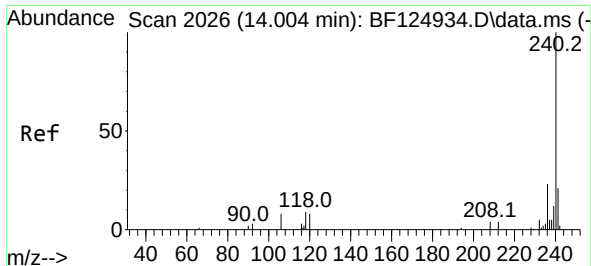
Tgt Ion:	167	Resp:	2515
Ion Ratio	Lower	Upper	
167	100		
166	43.3	17.4	26.0#
139	70.0	11.0	16.4#



#75
 Fluoranthene
 Concen: 18.391 ng
 RT: 12.551 min Scan# 1779
 Delta R.T. 0.006 min
 Lab File: BF125064.D
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Tgt Ion:	202	Resp:	20753
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	30.7
203	17.5	0.0	36.3

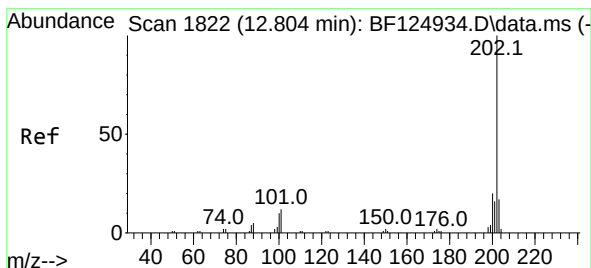
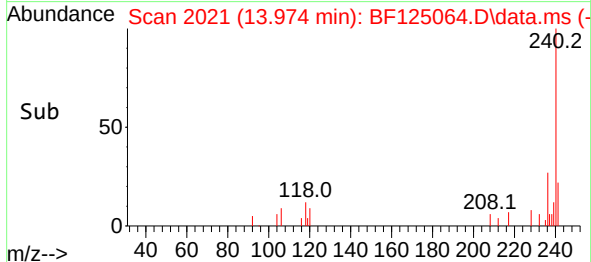
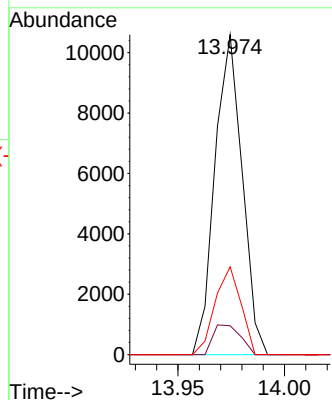
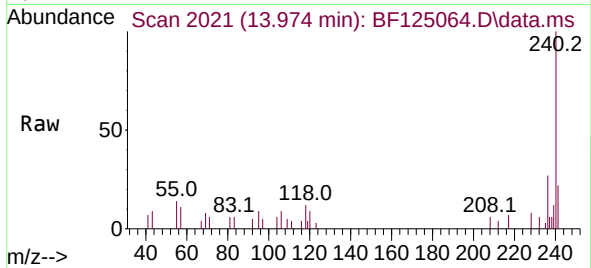




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF125064.D
Acq: 11 Aug 2021 19:36

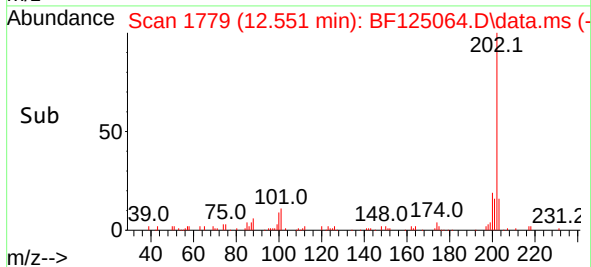
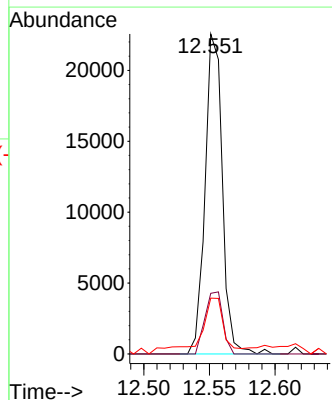
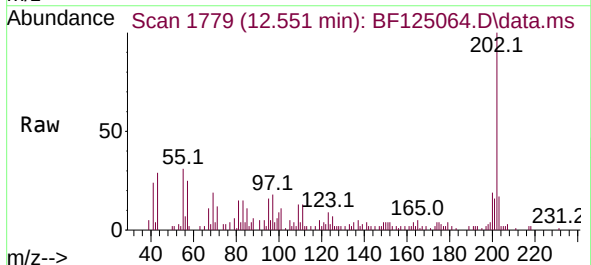
Instrument :
BNA_F
ClientSampled :
72-12017

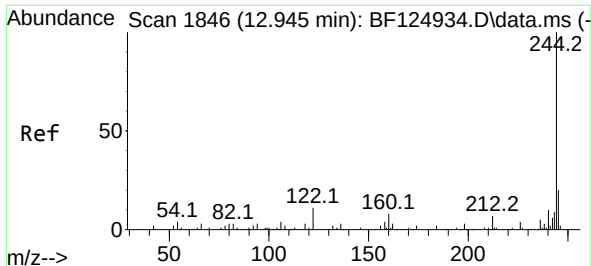
Tgt Ion:240 Resp: 9430
Ion Ratio Lower Upper
240 100
120 9.1 10.8 16.2#
236 27.5 21.6 32.4



#78
Pyrene
Concen: 27.940 ng
RT: 12.551 min Scan# 1779
Delta R.T. -0.223 min
Lab File: BF125064.D
Acq: 11 Aug 2021 19:36

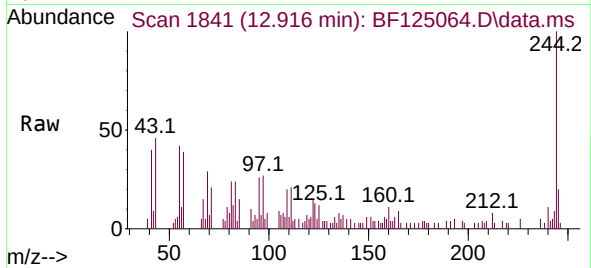
Tgt Ion:202 Resp: 20753
Ion Ratio Lower Upper
202 100
200 18.9 15.3 22.9
203 17.5 13.4 20.0



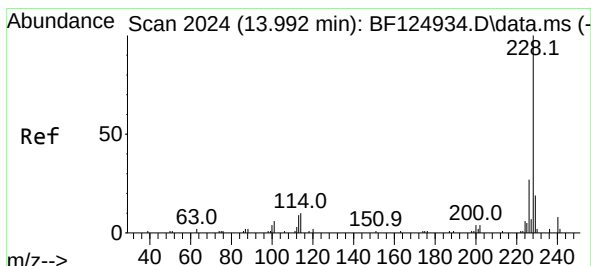
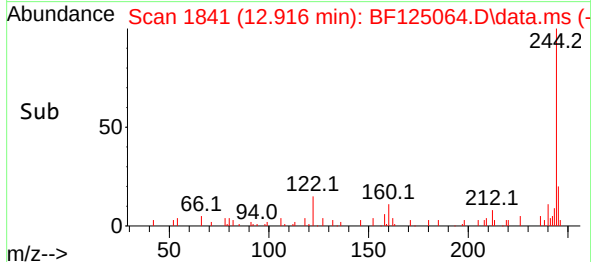
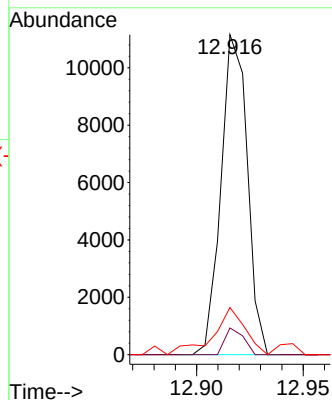


#79
 Terphenyl-d14
 Concen: 17.122 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. 0.000 min
 Lab File: BF125064.D
 Acq: 11 Aug 2021 19:36

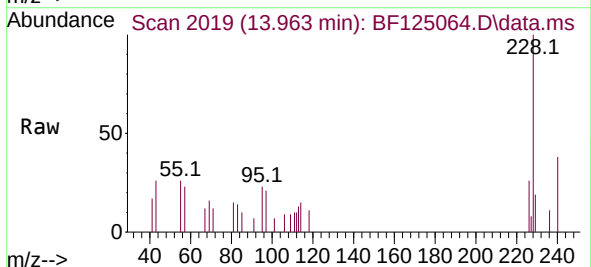
Instrument :
 BNA_F
 ClientSampled :
 72-12017



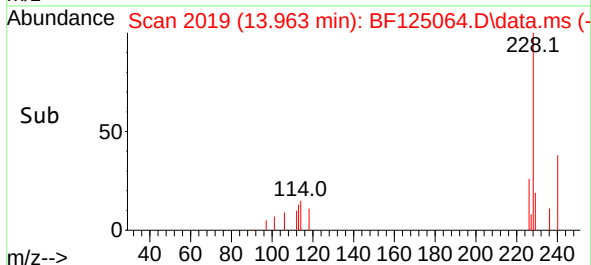
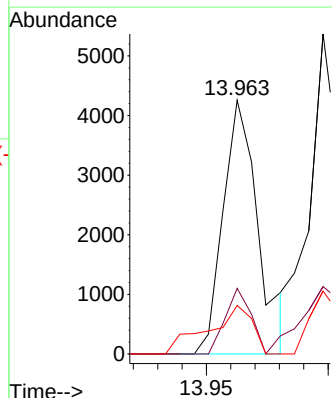
Tgt Ion:244 Resp: 9572
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.9 8.9
 122 14.7 9.0 13.4#

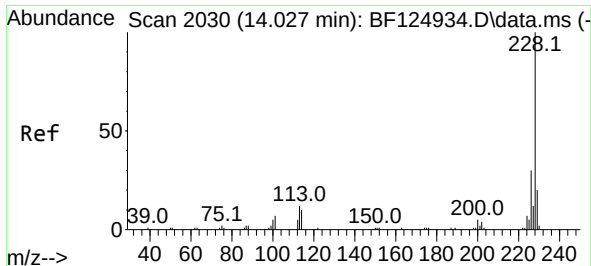


#81
 Benzo(a)anthracene
 Concen: 6.927 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: BF125064.D
 Acq: 11 Aug 2021 19:36



Tgt Ion:228 Resp: 4257
 Ion Ratio Lower Upper
 228 100
 226 25.9 21.6 32.4
 229 19.1 15.6 23.4

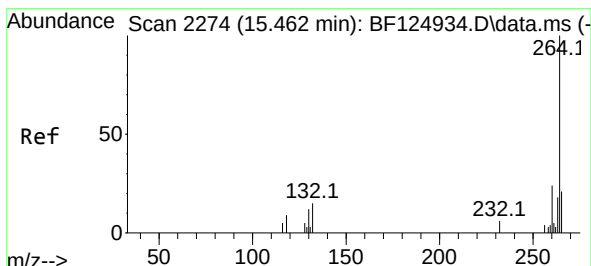
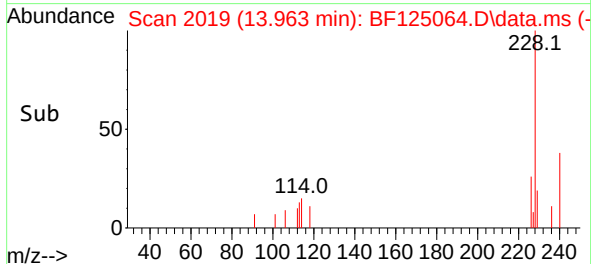
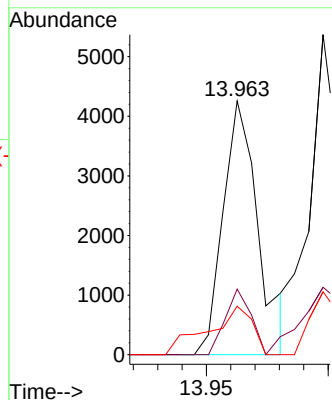
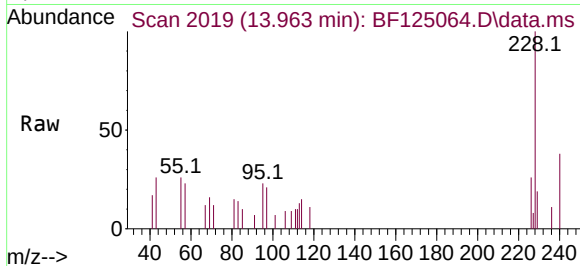




#83
Chrysene
Concen: 7.166 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.035 min
Lab File: BF125064.D
Acq: 11 Aug 2021 19:36

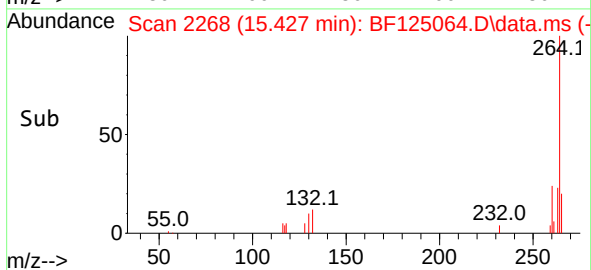
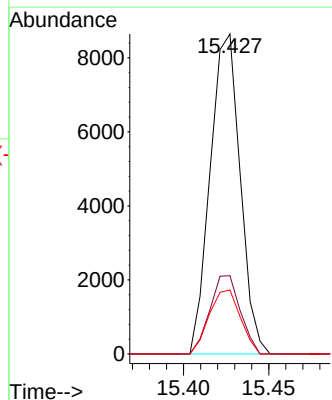
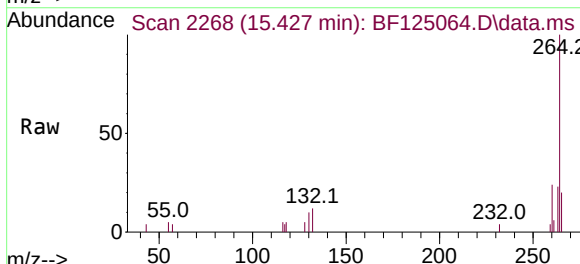
Instrument :
BNA_F
ClientSampled :
72-12017

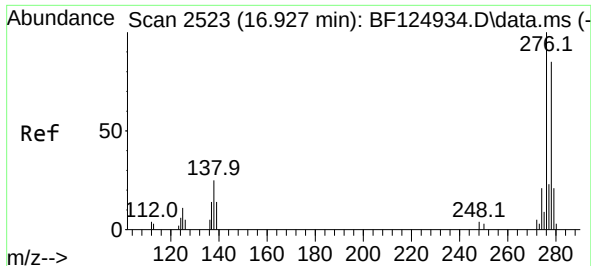
Tgt Ion:228	Resp:	4257
Ion Ratio	Lower	Upper
228	100	
226	25.9	22.6 34.0
229	19.1	15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.012 min
Lab File: BF125064.D
Acq: 11 Aug 2021 19:36

Tgt Ion:264	Resp:	10594
Ion Ratio	Lower	Upper
264	100	
260	24.5	19.6 29.4
265	20.0	17.2 25.8

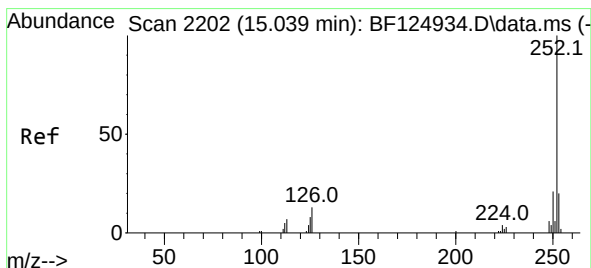
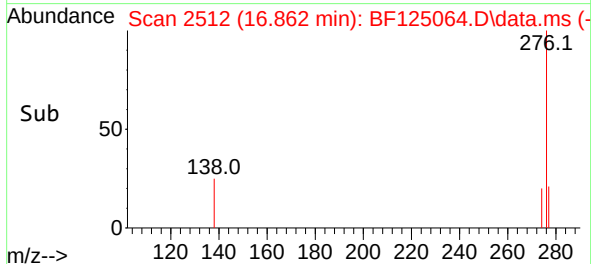
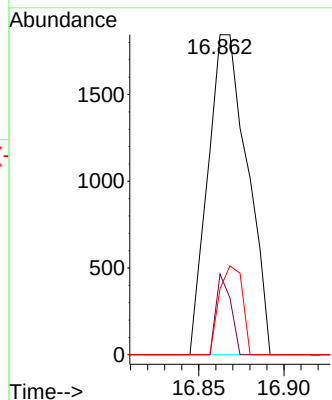
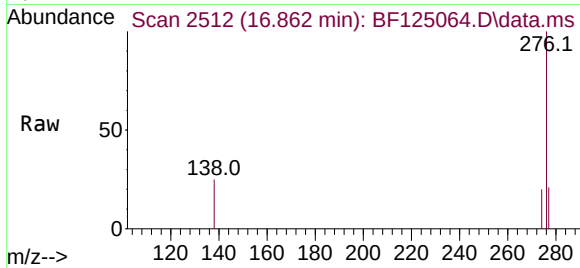




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.695 ng
RT: 16.862 min Scan# 2512
Delta R.T. 0.000 min
Lab File: BF125064.D
Acq: 11 Aug 2021 19:36

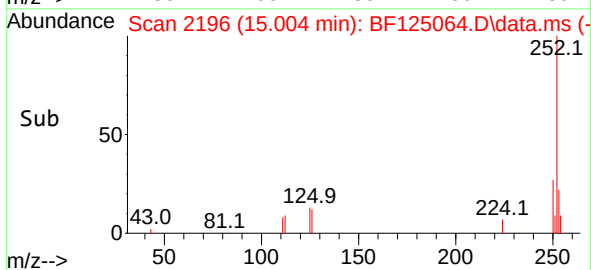
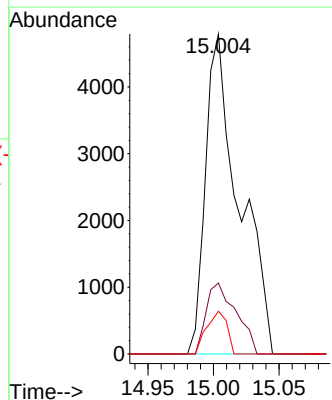
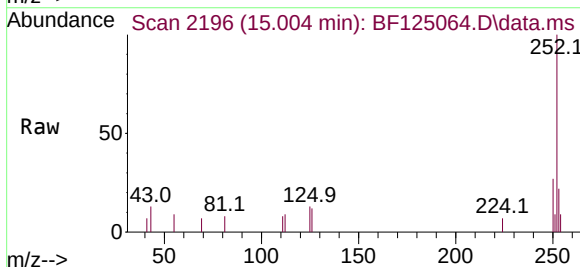
Instrument :
BNA_F
ClientSampled :
72-12017

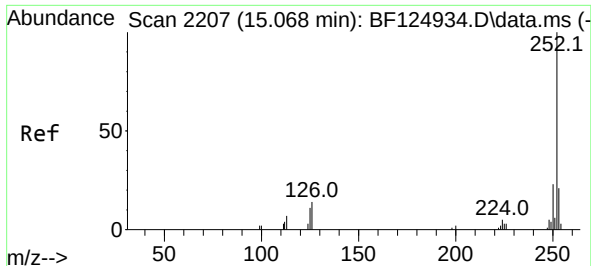
Tgt Ion:	276	Resp:	2962
Ion Ratio	Lower	Upper	
276	100		
138	9.4	24.1	36.1#
277	16.2	18.8	28.2#



#88
Benzo(b)fluoranthene
Concen: 11.459 ng
RT: 15.004 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF125064.D
Acq: 11 Aug 2021 19:36

Tgt Ion:	252	Resp:	8524
Ion Ratio	Lower	Upper	
252	100		
253	22.2	16.8	25.2
125	13.4	9.8	14.8





#89

Benzo(k)fluoranthene

Concen: 12.597 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.023 min

Lab File: BF125064.D

Acq: 11 Aug 2021 19:36

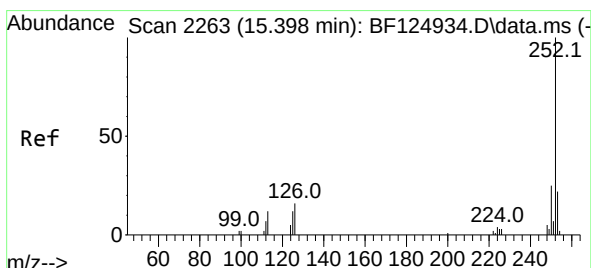
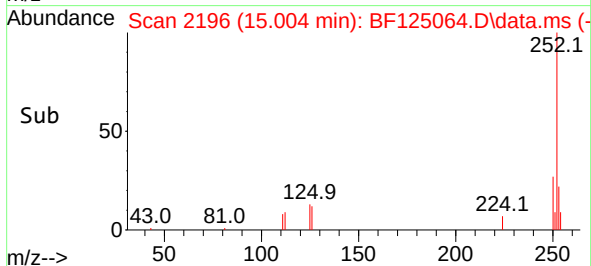
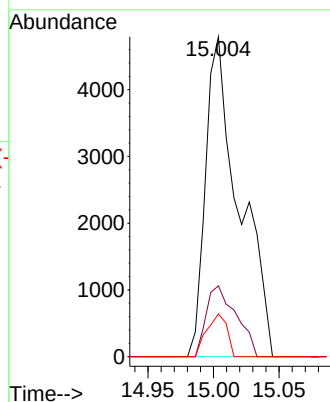
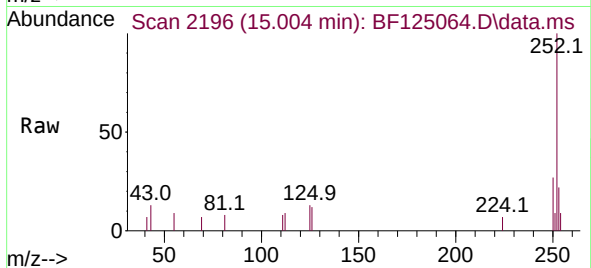
Tgt Ion:252	Resp:	8524
Ion Ratio	Lower	Upper
252	100	
253	22.2	17.8 26.8
125	13.4	7.2 10.8#

Instrument :

BNA_F

ClientSampled :

72-12017



#90

Benzo(a)pyrene

Concen: 6.301 ng

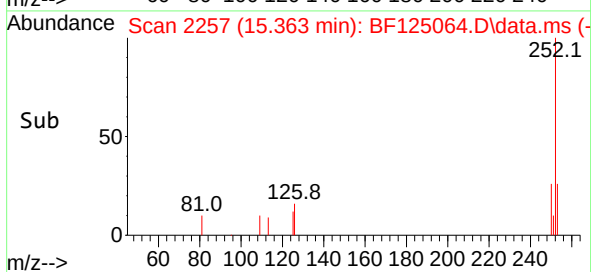
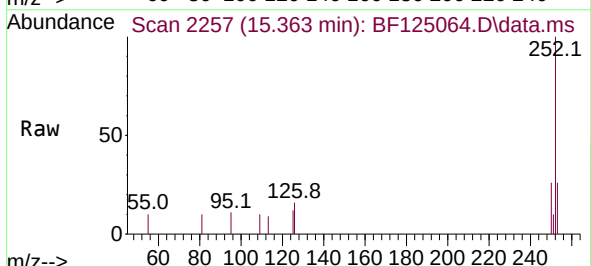
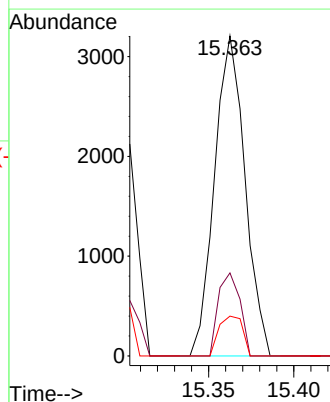
RT: 15.363 min Scan# 2257

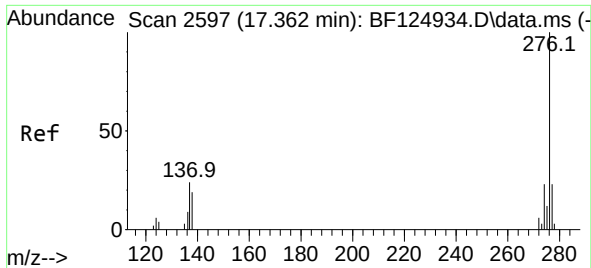
Delta R.T. 0.006 min

Lab File: BF125064.D

Acq: 11 Aug 2021 19:36

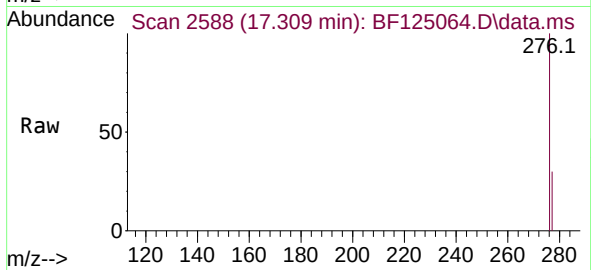
Tgt Ion:252	Resp:	3991
Ion Ratio	Lower	Upper
252	100	
253	25.9	18.4 27.6
125	12.4	9.9 14.9





#92
 Benzo(g,h,i)perylene
 Concen: 4.870 ng
 RT: 17.309 min Scan# 2588
 Delta R.T. 0.006 min
 Lab File: BF125064.D
 Acq: 11 Aug 2021 19:36

Instrument :
 BNA_F
 ClientSampleId :
 72-12017



Tgt Ion: 276 Resp: 2591
 Ion Ratio Lower Upper
 276 100
 277 29.9 22.0 33.0
 138 0.0 22.2 33.4#

