

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
 Data File : BF125874.D
 Acq On : 18 Oct 2021 13:34
 Operator : JU/CG
 Sample : M4222-01 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEST-A(1)

Quant Time: Oct 18 14:03:59 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 18 12:43:03 2021
 Response via : Initial Calibration

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

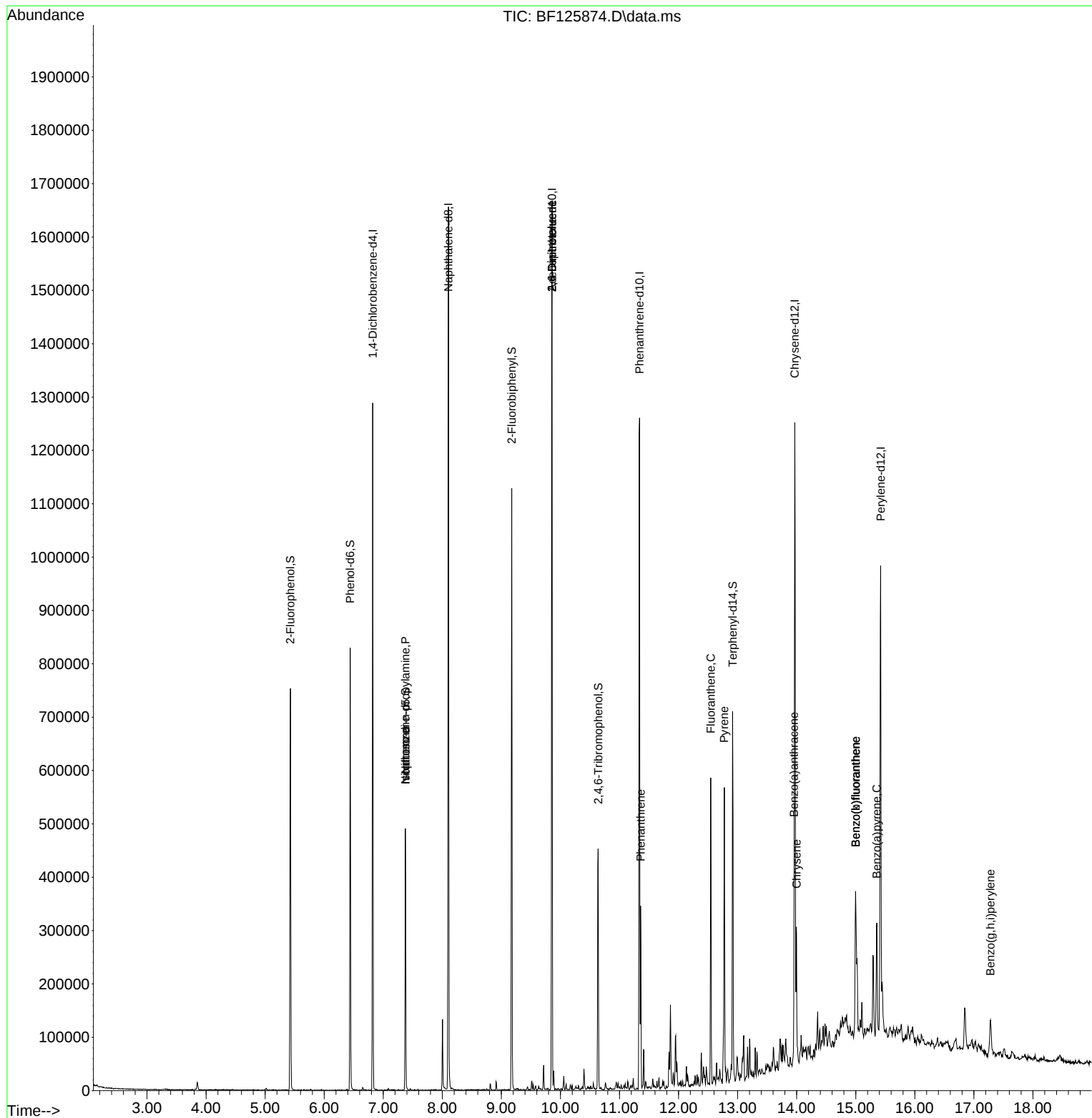
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	179565	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	707116	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	342872	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	483068	20.000	ng	0.00
76) Chrysene-d12	13.968	240	365842	20.000	ng	0.00
86) Perylene-d12	15.421	264	360020	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	212560	19.338	ng	-0.01
7) Phenol-d6	6.440	99	259050	18.307	ng	-0.02
23) Nitrobenzene-d5	7.375	82	148045	13.014	ng	-0.02
42) 2,4,6-Tribromophenol	10.639	330	55191	16.304	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	310419	15.616	ng	0.00
79) Terphenyl-d14	12.916	244	207825	8.653	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.375	70	18387	2.462	ng	# 49
25) Isophorone	7.375	82	147859	7.337	ng	# 59
51) 2,6-Dinitrotoluene	9.857	165	44794	9.818	ng	# 27
57) 2,4-Dinitrotoluene	9.857	165	44794	7.765	ng	# 19
71) Phenanthrene	11.357	178	117044	4.528	ng	100
75) Fluoranthene	12.545	202	207659	8.904	ng	97
78) Pyrene	12.774	202	198078	5.329	ng	99
81) Benzo(a)anthracene	13.957	228	109939	4.632	ng	96
83) Chrysene	13.998	228	102083	4.351	ng	97
88) Benzo(b)fluoranthene	14.998	252	186878	9.194	ng	97
89) Benzo(k)fluoranthene	14.998	252	186878	8.955	ng	# 96
90) Benzo(a)pyrene	15.357	252	102947	5.719	ng	98
92) Benzo(g,h,i)perylene	17.280	276	52059	2.249	ng	94

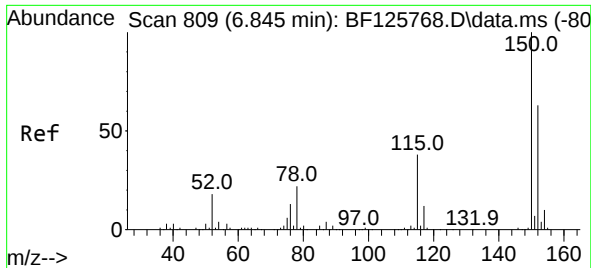
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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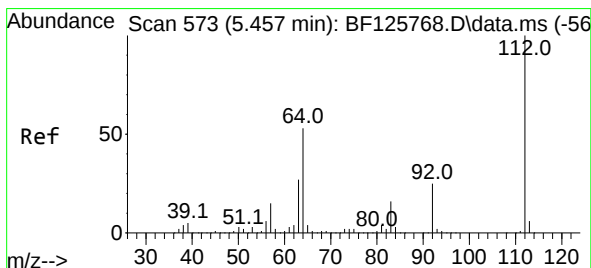
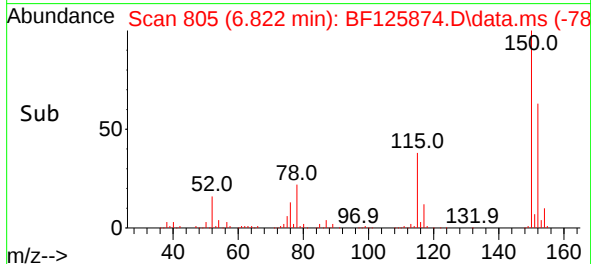
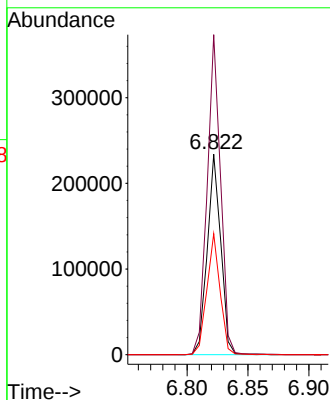
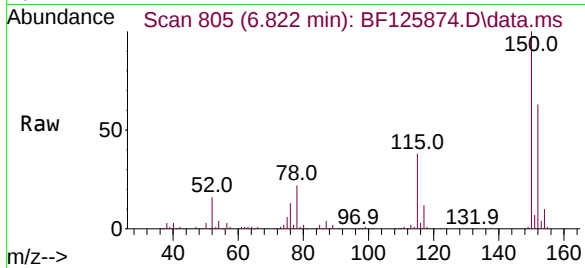




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

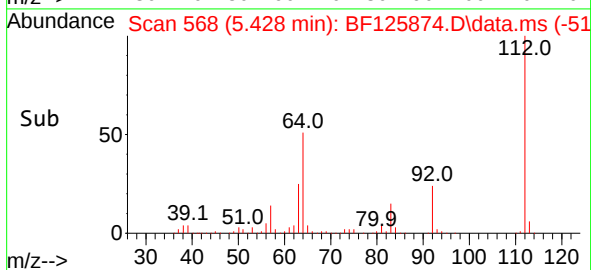
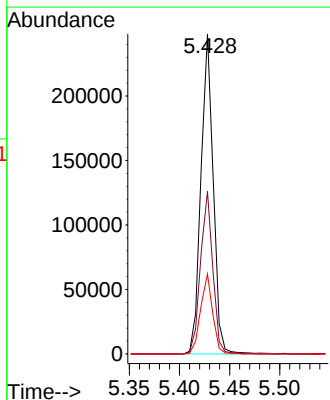
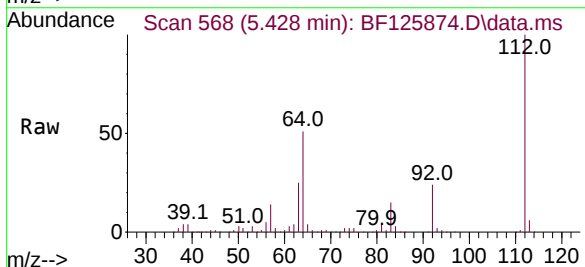
Instrument :
BNA_F
ClientSampleId :
TEST-A(1)

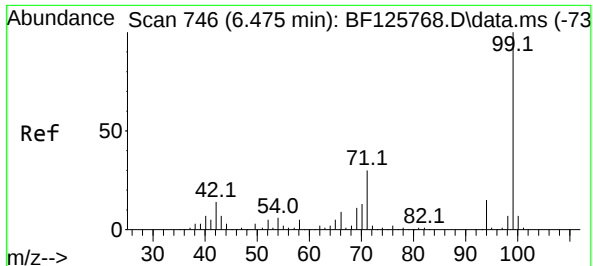
Tgt Ion:152 Resp: 179565
Ion Ratio Lower Upper
152 100
150 159.6 117.6 176.4
115 60.3 47.1 70.7



#5
2-Fluorophenol
Concen: 19.338 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.012 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

Tgt Ion:112 Resp: 212560
Ion Ratio Lower Upper
112 100
64 50.8 44.2 66.2
63 25.0 26.2 39.2#

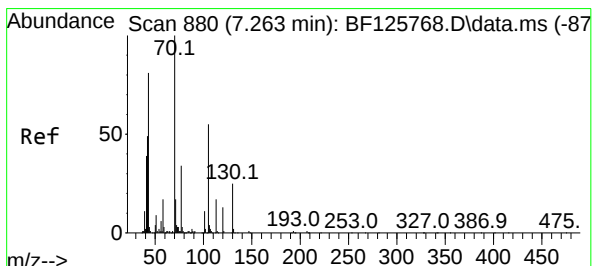
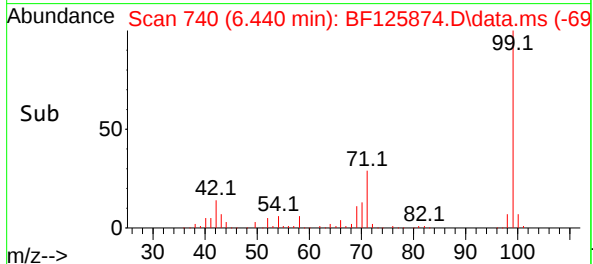
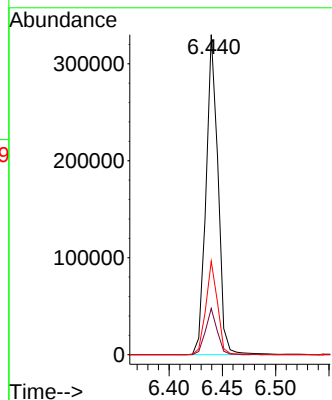
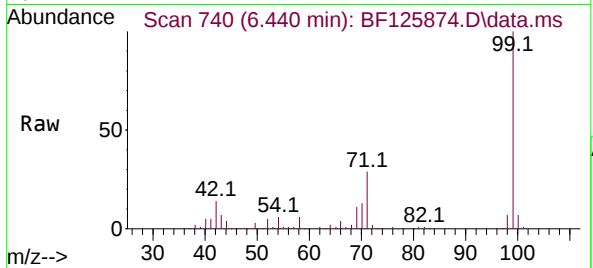




#7
Phenol-d6
Concen: 18.307 ng
RT: 6.440 min Scan# 740
Delta R.T. -0.018 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

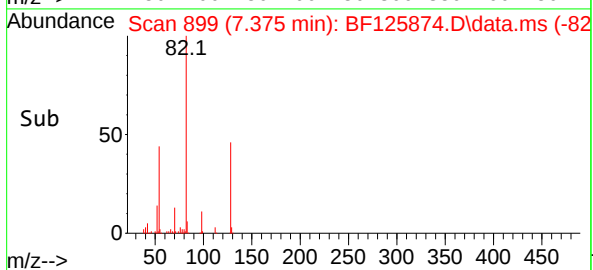
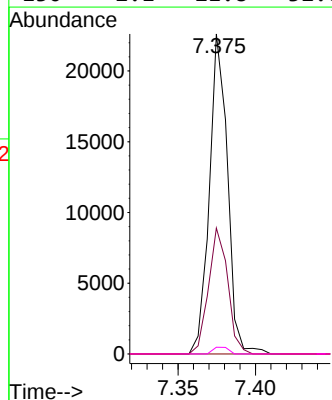
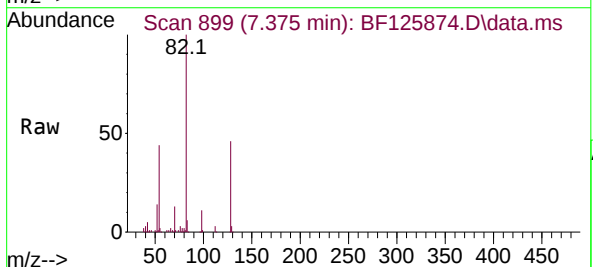
Instrument :
BNA_F
ClientSampleId :
TEST-A(1)

Tgt Ion: 99 Resp: 259050
Ion Ratio Lower Upper
99 100
42 14.5 23.5 35.3#
71 29.2 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.462 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.135 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

Tgt Ion: 70 Resp: 18387
Ion Ratio Lower Upper
70 100
42 39.4 72.2 108.2#
101 0.0 7.8 11.8#
130 2.1 21.8 32.6#

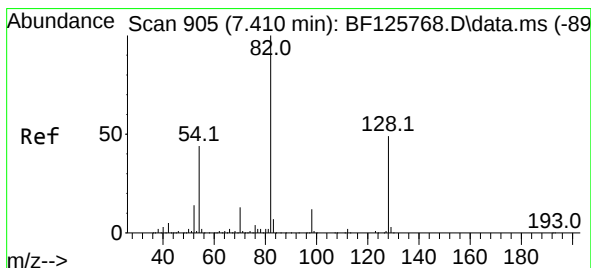
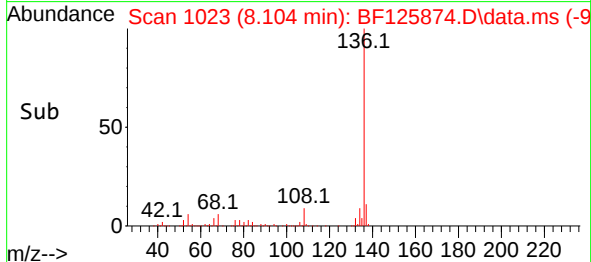
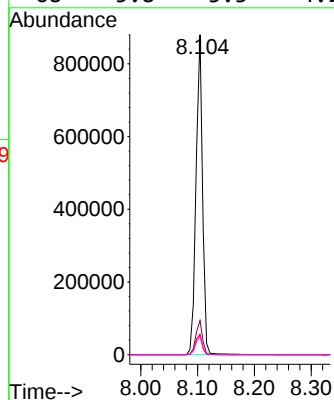
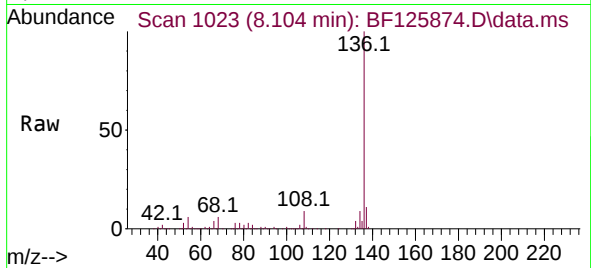




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

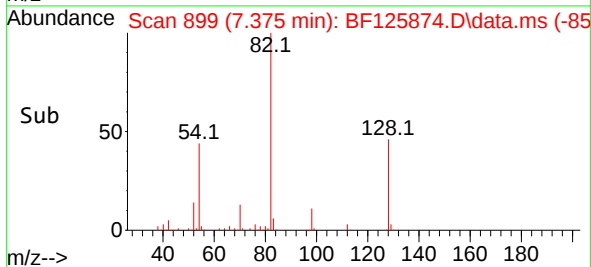
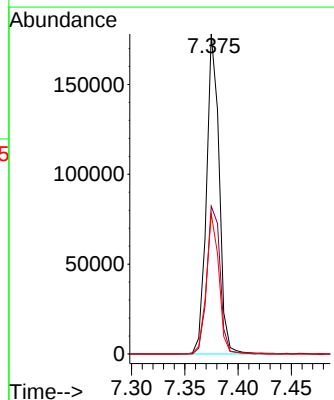
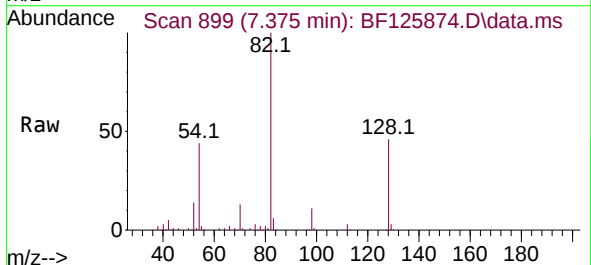
Instrument :
BNA_F
ClientSampleId :
TEST-A(1)

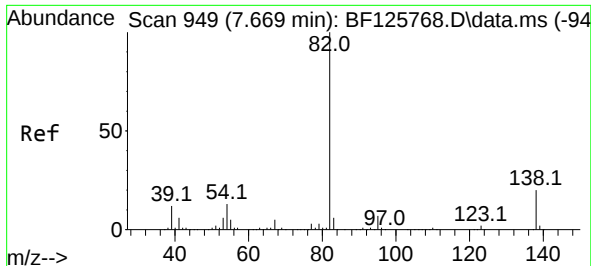
Tgt Ion:	136	Resp:	707116
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.8	14.6
54	6.4	6.4	9.6
68	5.8	3.3	4.9



#23
Nitrobenzene-d5
Concen: 13.014 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

Tgt Ion:	82	Resp:	148045
Ion	Ratio	Lower	Upper
82	100		
128	46.2	40.6	60.8
54	43.8	49.6	74.4

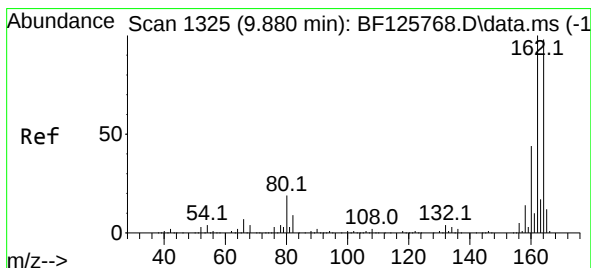
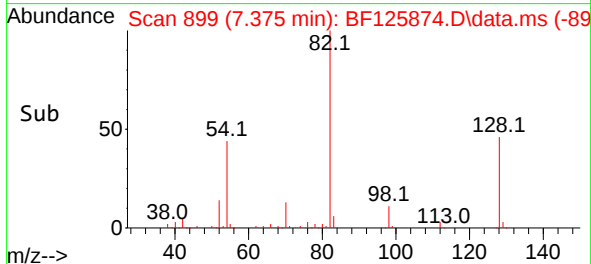
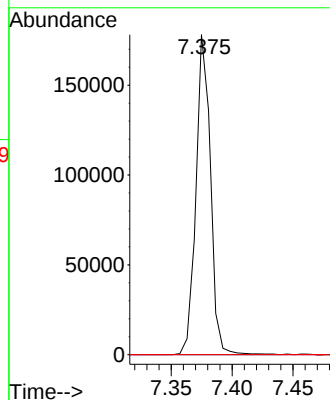
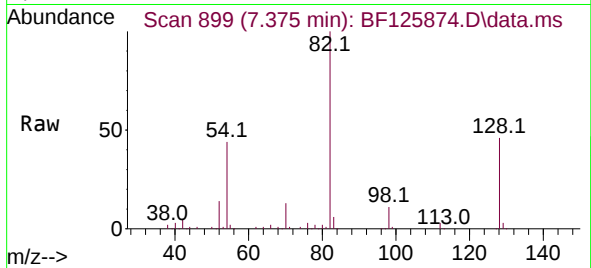




#25
Isophorone
Concen: 7.337 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.276 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

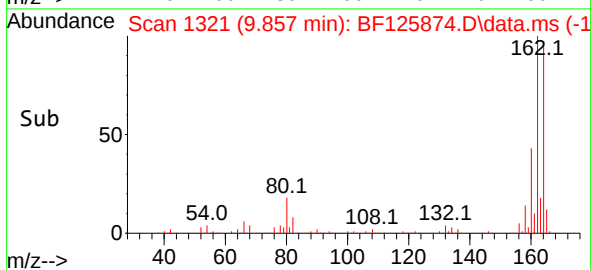
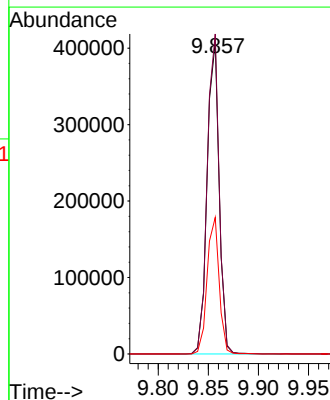
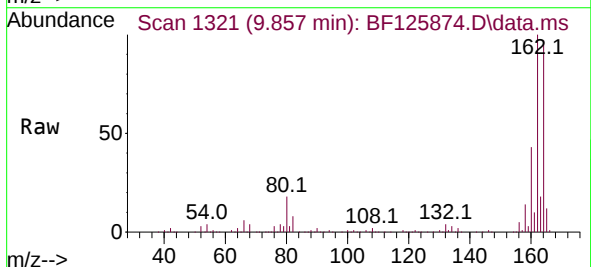
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BNA_F
ClientSampleId :
TEST-A(1)

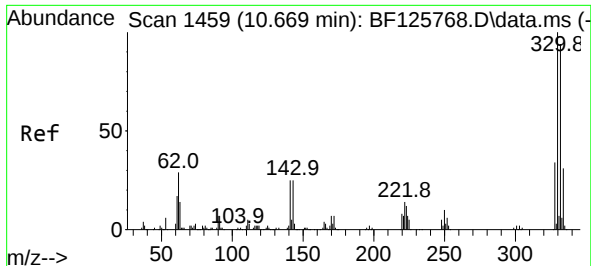
Tgt Ion: 82 Resp: 147859
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

Tgt Ion: 164 Resp: 342872
Ion Ratio Lower Upper
164 100
162 102.6 81.3 121.9
160 43.8 38.0 57.0

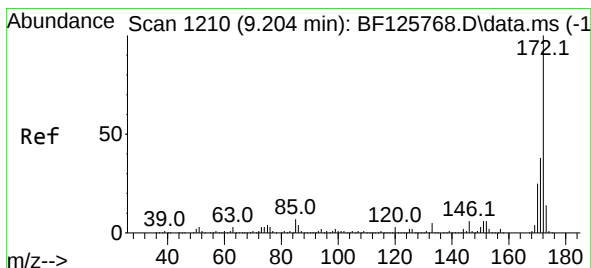
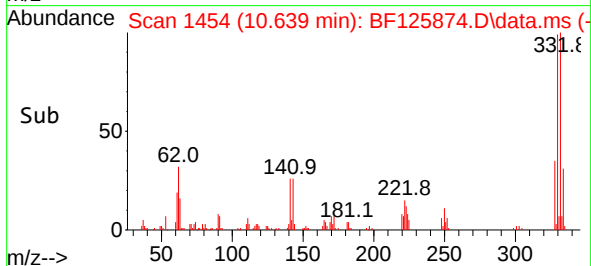
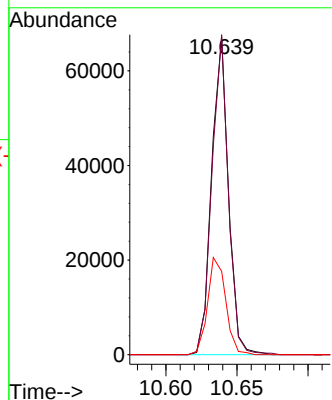
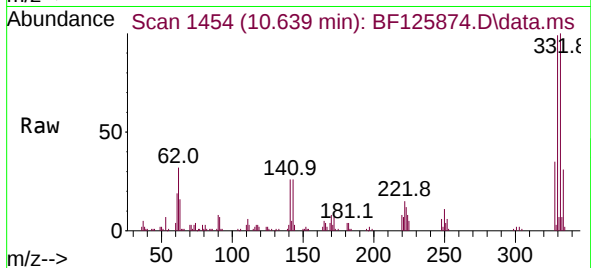




#42
2,4,6-Tribromophenol
Concen: 16.304 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

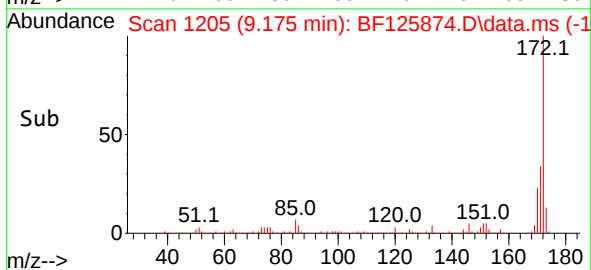
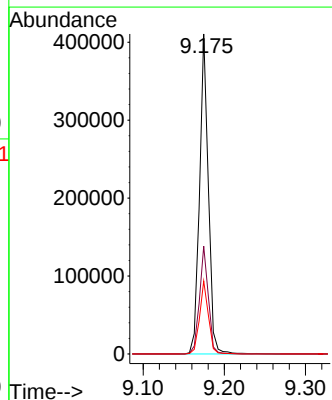
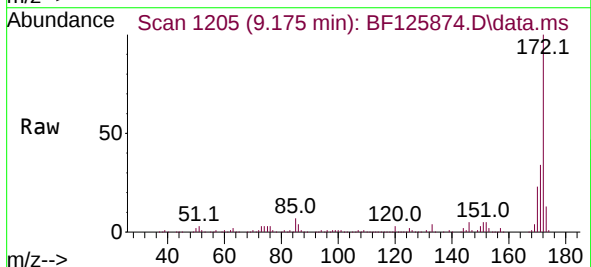
Instrument :
BNA_F
ClientSampled :
TEST-A(1)

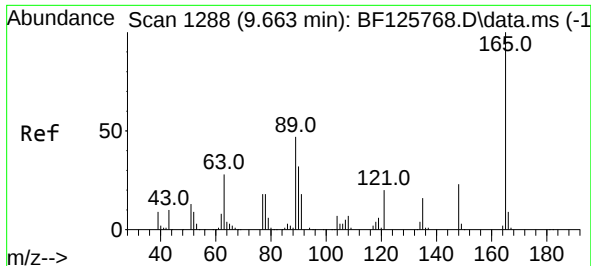
Tgt Ion: 330 Resp: 55191
Ion Ratio Lower Upper
330 100
332 98.4 76.2 114.4
141 33.0 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 15.616 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

Tgt Ion: 172 Resp: 310419
Ion Ratio Lower Upper
172 100
171 33.7 26.5 39.7
170 22.8 18.8 28.2

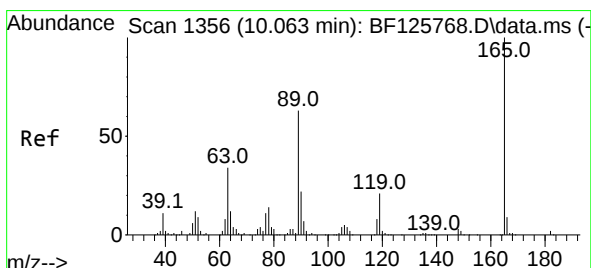
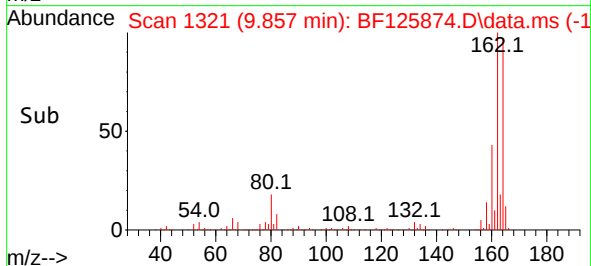
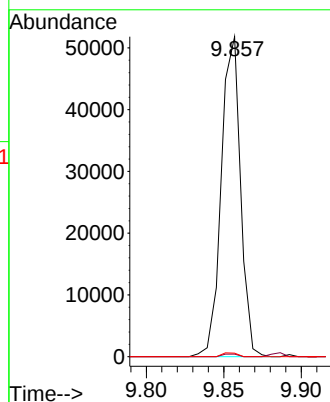
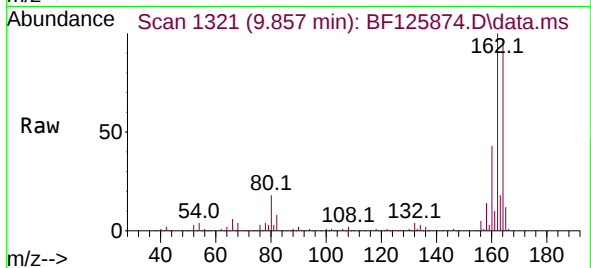




#51
2,6-Dinitrotoluene
Concen: 9.818 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.218 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

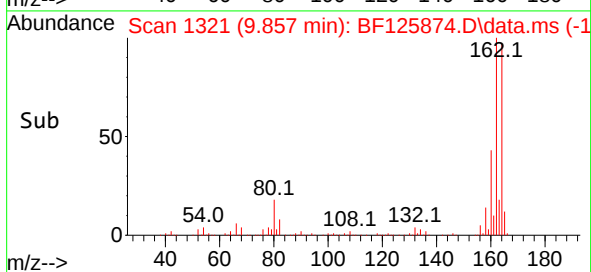
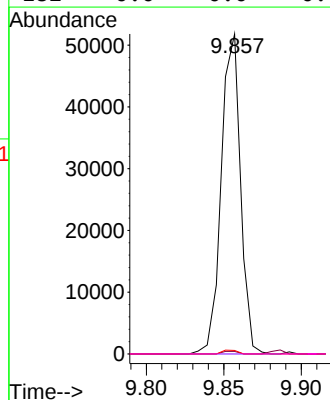
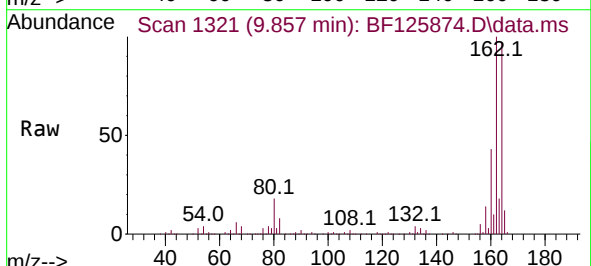
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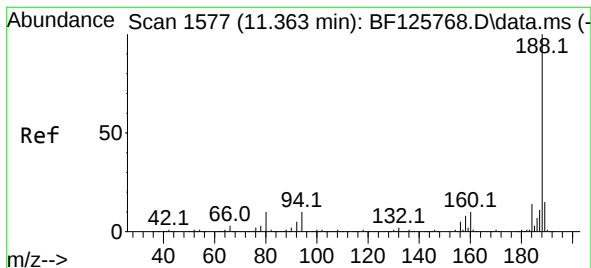
Tgt Ion:165 Resp: 44794
Ion Ratio Lower Upper
165 100
63 0.8 42.6 63.8#
89 1.1 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.765 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.188 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

Tgt Ion:165 Resp: 44794
Ion Ratio Lower Upper
165 100
63 0.8 40.9 61.3#
89 1.1 59.7 89.5#
182 0.0 0.0 0.0

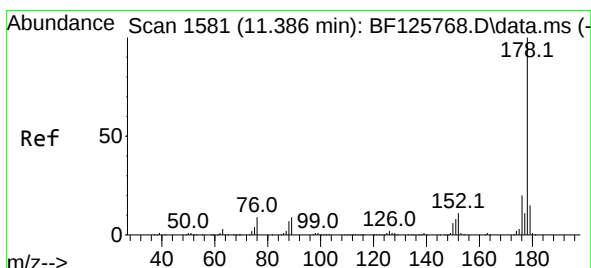
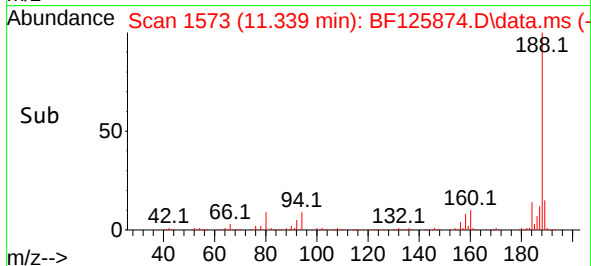
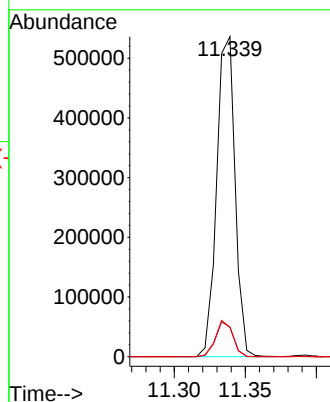
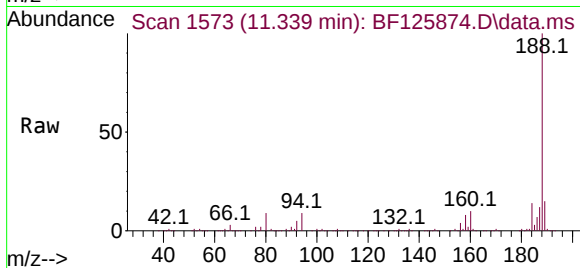




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

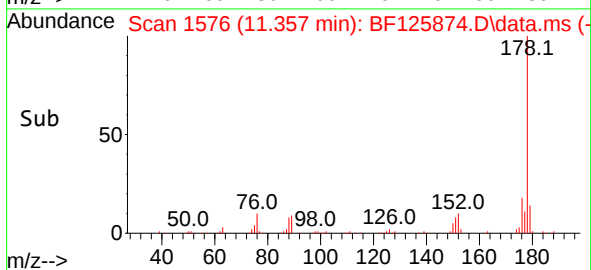
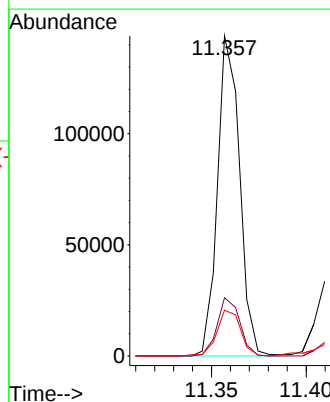
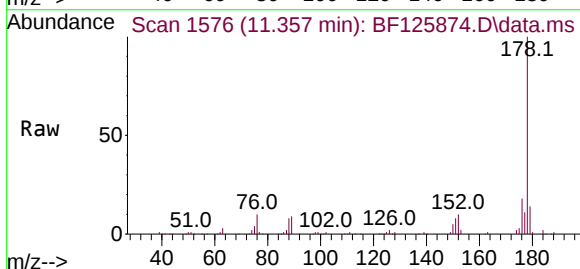
Instrument :
BNA_F
ClientSampleId :
TEST-A(1)

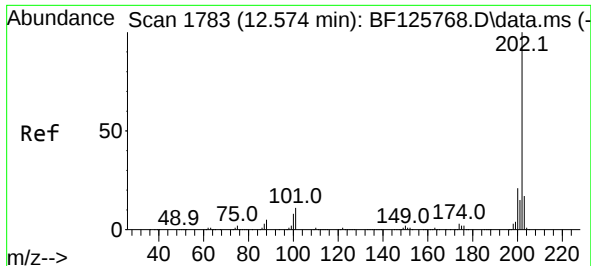
Tgt Ion:188 Resp: 483068
Ion Ratio Lower Upper
188 100
94 9.2 6.7 10.1
80 9.2 7.5 11.3



#71
Phenanthrene
Concen: 4.528 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

Tgt Ion:178 Resp: 117044
Ion Ratio Lower Upper
178 100
176 18.2 14.7 22.1
179 14.3 11.5 17.3

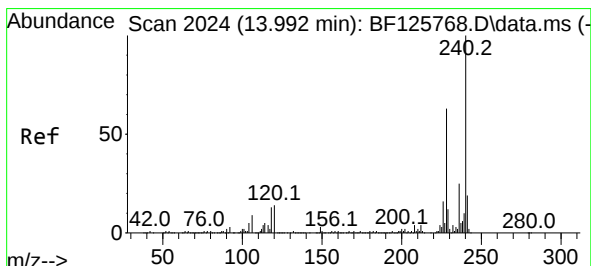
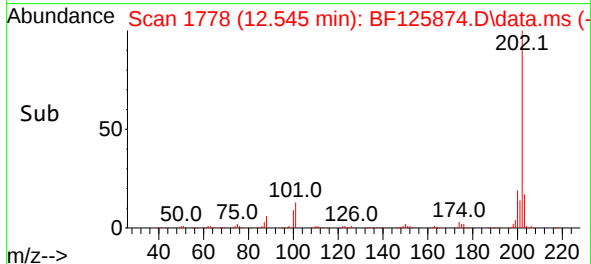
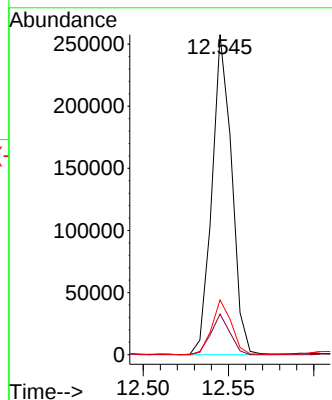
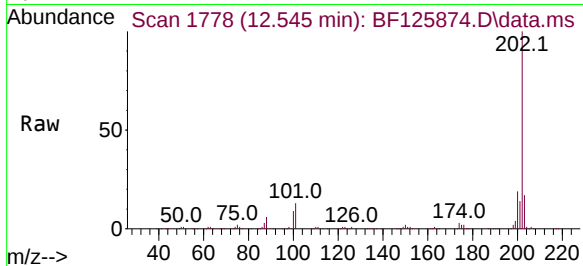




#75
Fluoranthene
Concen: 8.904 ng
RT: 12.545 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

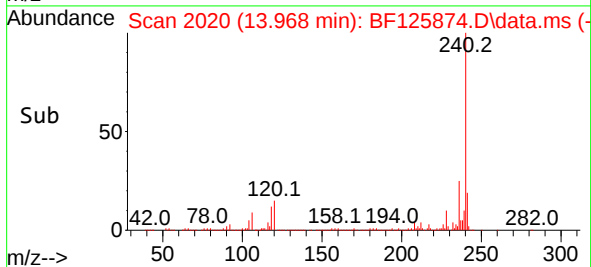
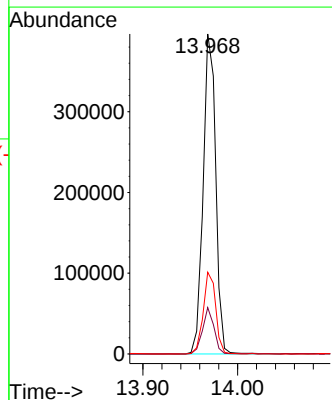
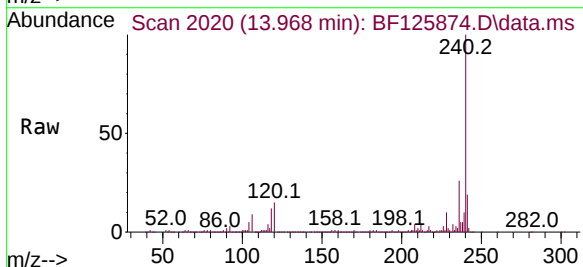
Instrument :
BNA_F
ClientSampleId :
TEST-A(1)

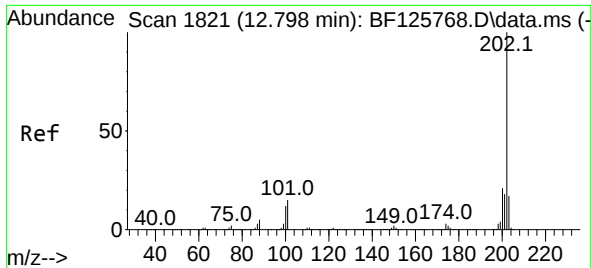
Tgt Ion:202 Resp: 207659
Ion Ratio Lower Upper
202 100
101 12.7 0.0 30.7
203 17.1 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

Tgt Ion:240 Resp: 365842
Ion Ratio Lower Upper
240 100
120 14.5 10.8 16.2
236 25.6 21.6 32.4

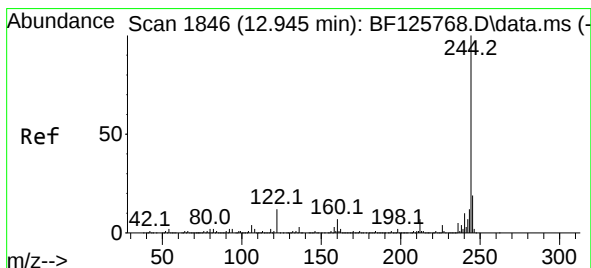
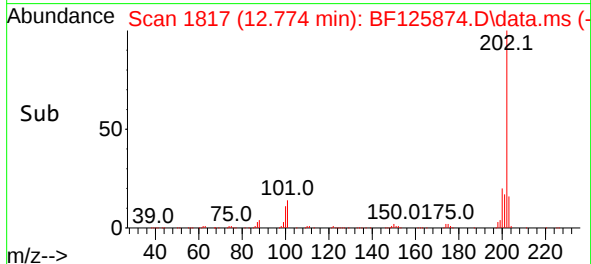
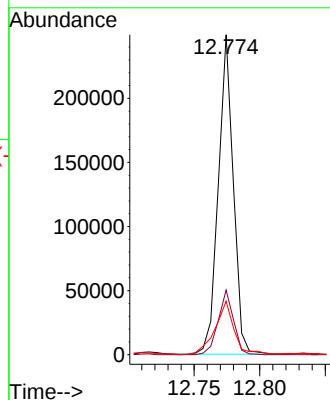
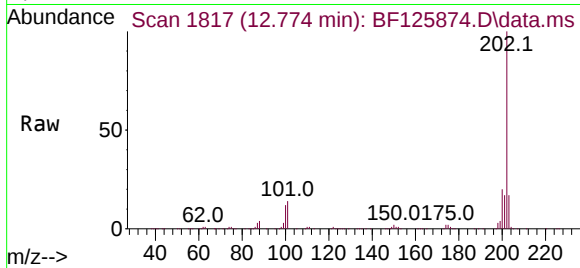




#78
Pyrene
Concen: 5.329 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

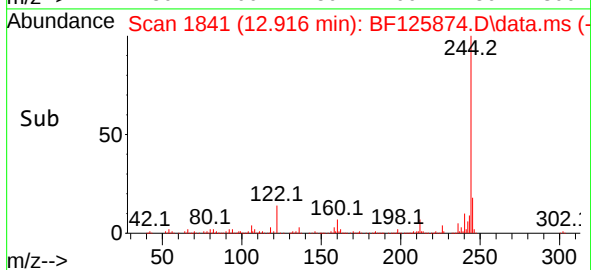
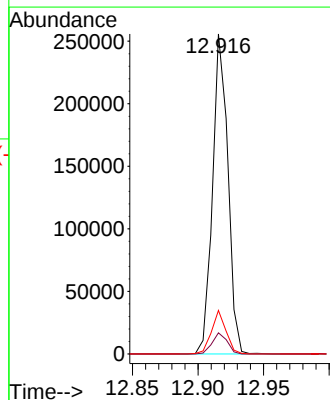
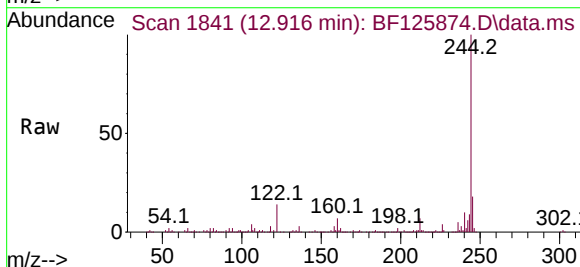
Instrument :
BNA_F
ClientSampleId :
TEST-A(1)

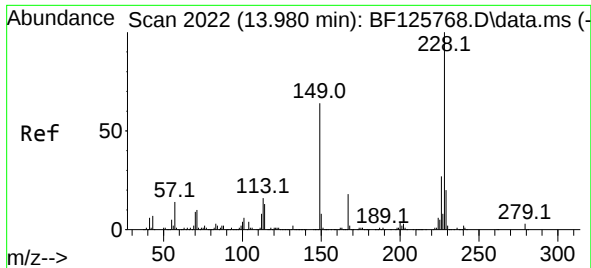
Tgt Ion:202 Resp: 198078
Ion Ratio Lower Upper
202 100
200 20.2 15.3 22.9
203 16.7 13.4 20.0



#79
Terphenyl-d14
Concen: 8.653 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

Tgt Ion:244 Resp: 207825
Ion Ratio Lower Upper
244 100
212 6.6 5.9 8.9
122 13.6 9.0 13.4#

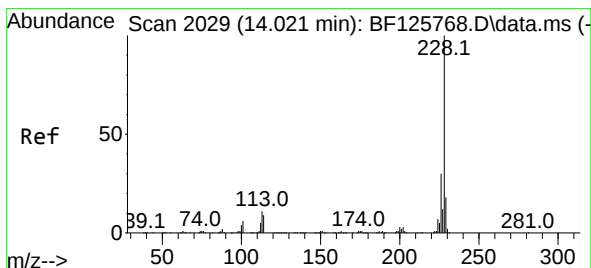
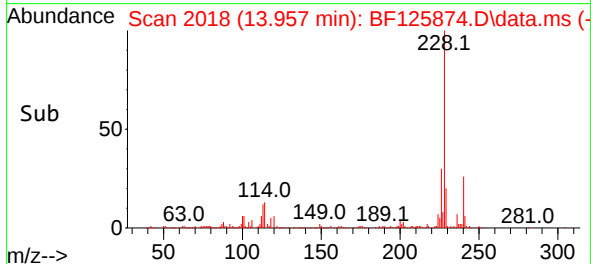
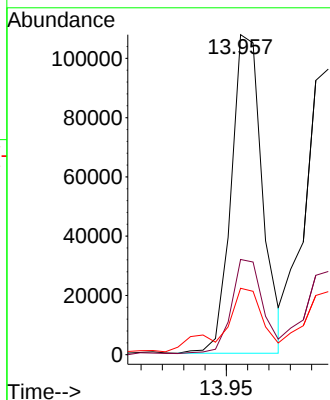
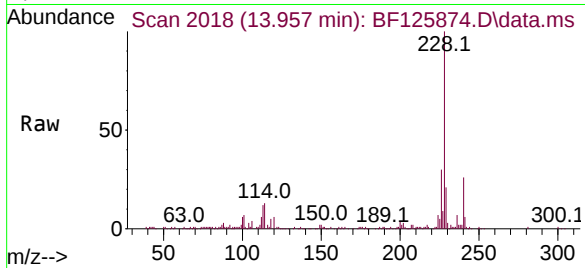




#81
Benzo(a)anthracene
Concen: 4.632 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

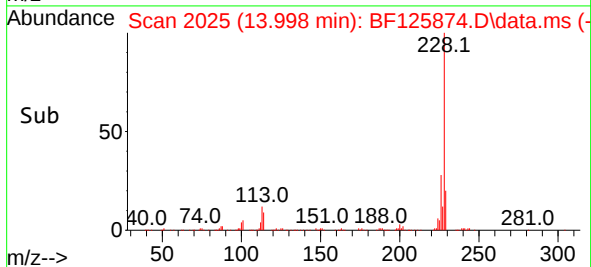
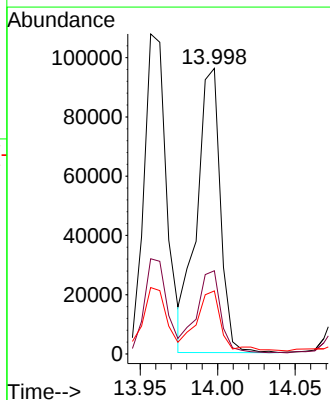
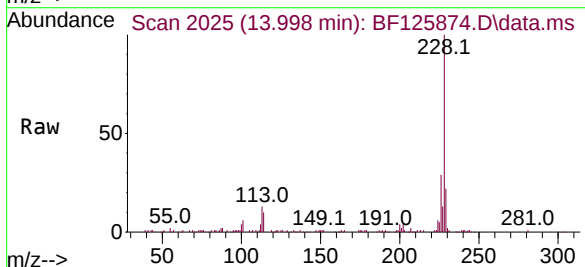
Instrument :
BNA_F
ClientSampled :
TEST-A(1)

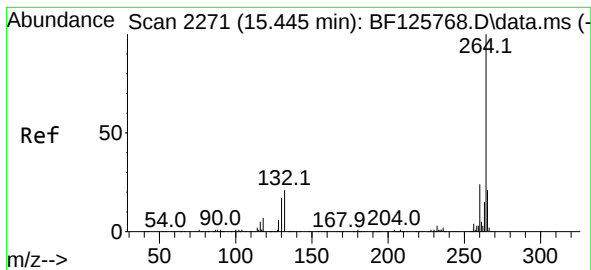
Tgt Ion:228 Resp: 109939
Ion Ratio Lower Upper
228 100
226 29.8 21.6 32.4
229 20.8 15.6 23.4



#83
Chrysene
Concen: 4.351 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

Tgt Ion:228 Resp: 102083
Ion Ratio Lower Upper
228 100
226 29.1 22.6 34.0
229 22.1 15.9 23.9

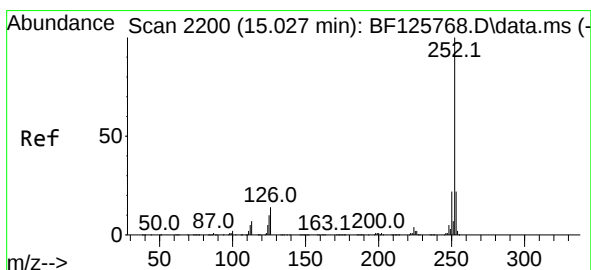
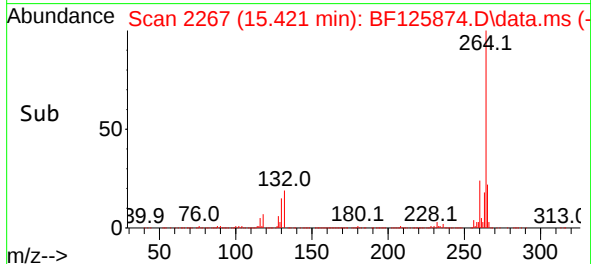
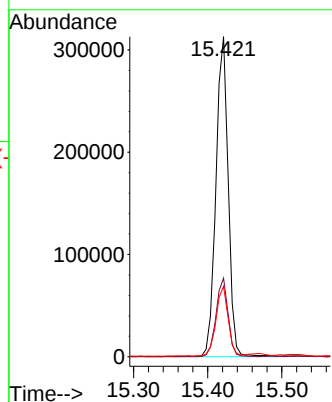
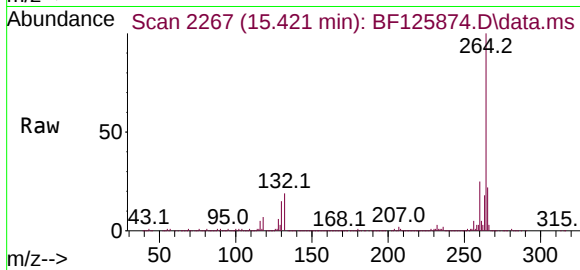




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

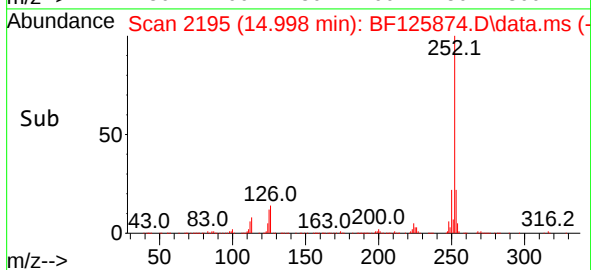
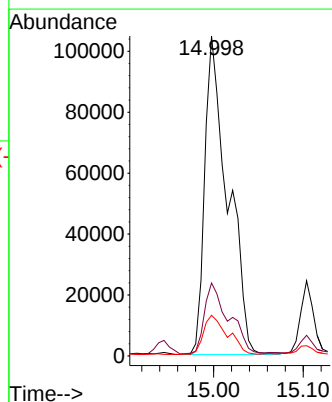
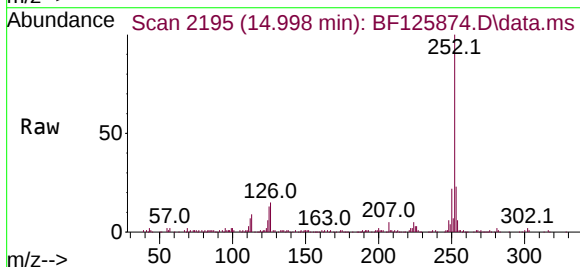
Instrument :
BNA_F
ClientSampleId :
TEST-A(1)

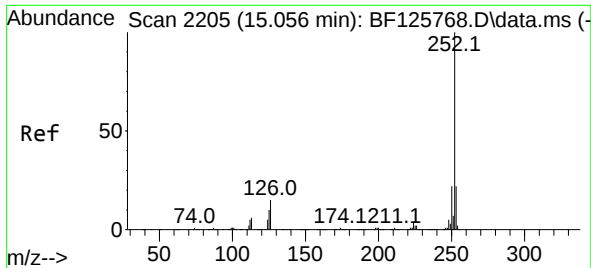
Tgt Ion:264 Resp: 360020
Ion Ratio Lower Upper
264 100
260 24.5 19.6 29.4
265 22.0 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 9.194 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

Tgt Ion:252 Resp: 186878
Ion Ratio Lower Upper
252 100
253 22.8 16.8 25.2
125 12.7 9.8 14.8

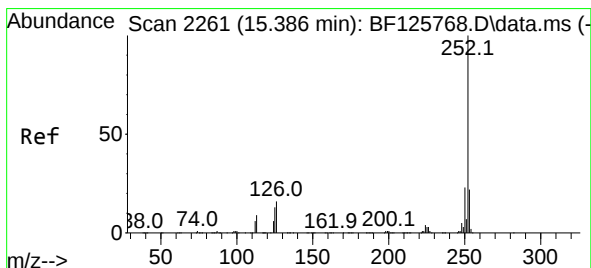
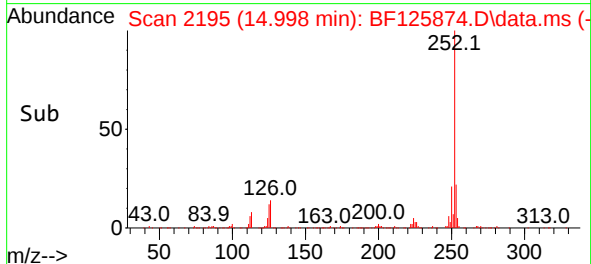
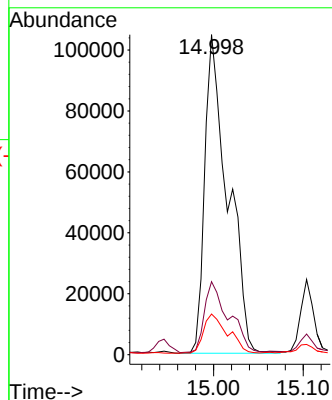
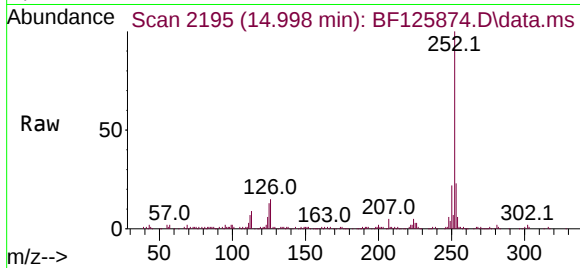




#89
Benzo(k)fluoranthene
Concen: 8.955 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.029 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

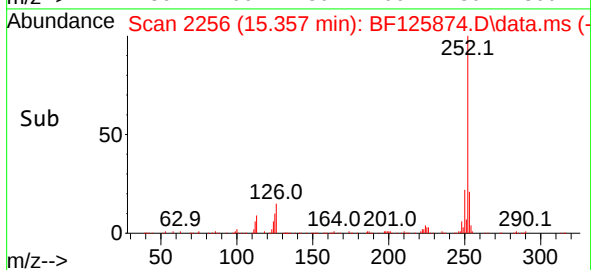
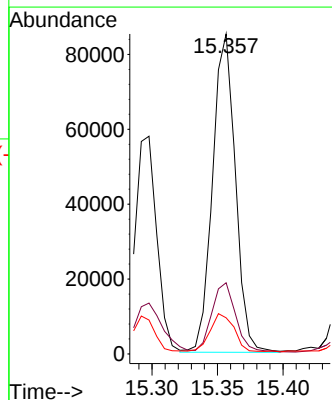
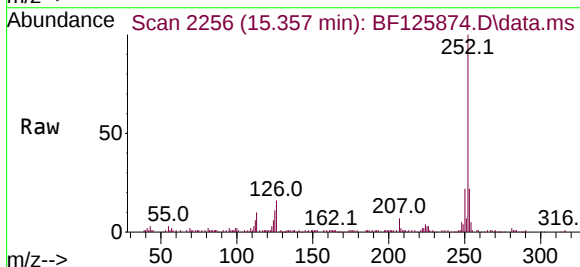
Instrument :
BNA_F
ClientSampleId :
TEST-A(1)

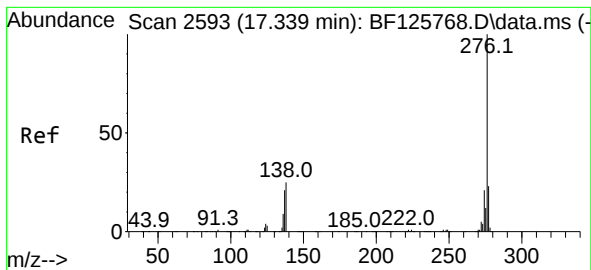
Tgt Ion:252 Resp: 186878
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 12.7 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 5.719 ng
RT: 15.357 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF125874.D
Acq: 18 Oct 2021 13:34

Tgt Ion:252 Resp: 102947
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 11.3 9.9 14.9





#92

Benzo(g,h,i)perylene

Concen: 2.249 ng

RT: 17.280 min Scan# 2583

Delta R.T. -0.018 min

Lab File: BF125874.D

Acq: 18 Oct 2021 13:34

Tgt Ion: 276 Resp: 52059

Ion Ratio Lower Upper

276 100

277 22.8 22.0 33.0

138 26.3 22.2 33.4

