

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
 Data File : BF125978.D
 Acq On : 27 Oct 2021 23:02
 Operator : JU/CG
 Sample : M4357-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102521

Quant Time: Oct 28 09:01:40 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 25 18:49:16 2021
 Response via : Initial Calibration

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

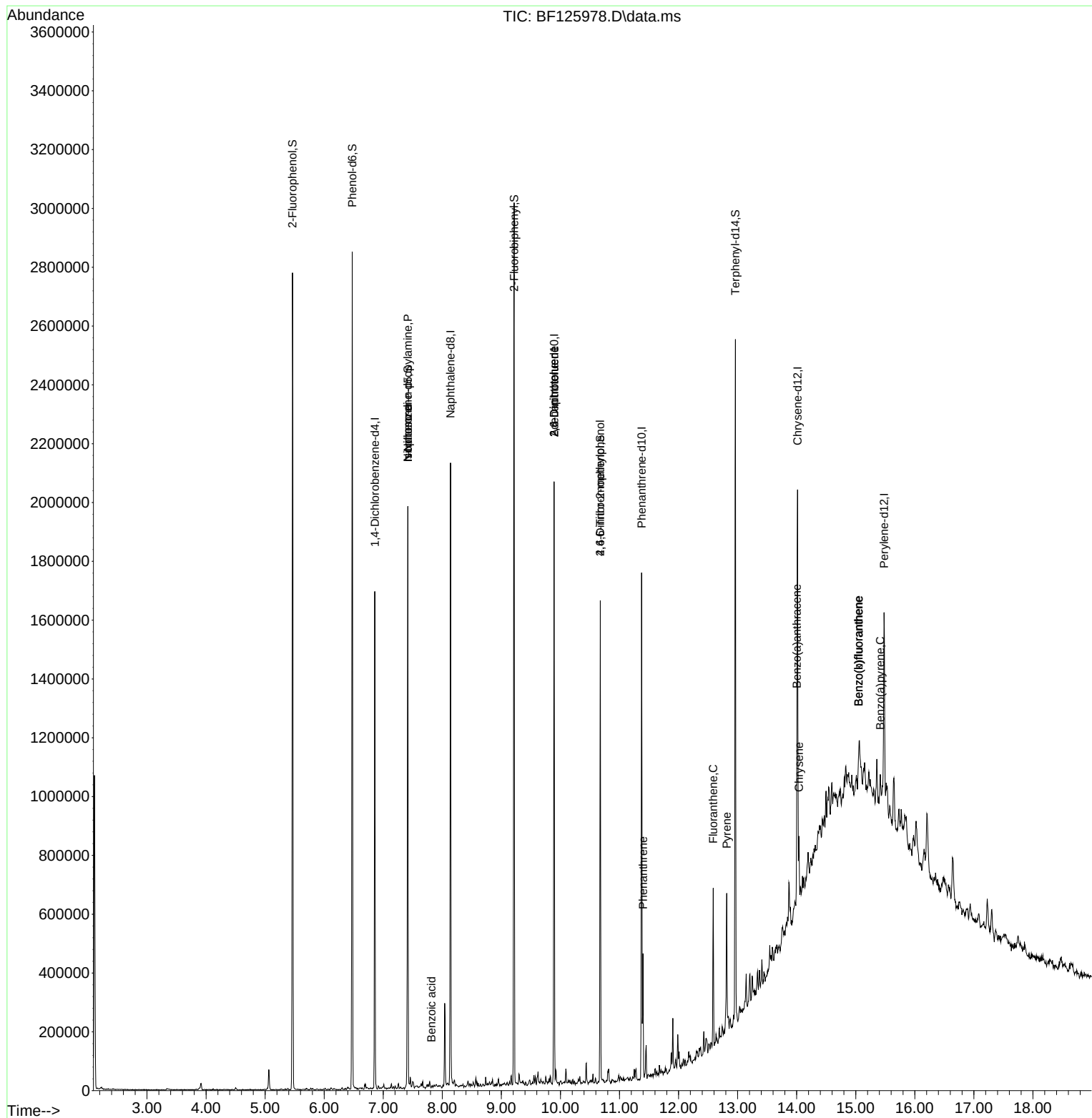
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	196544	20.000	ng	-0.01
21) Naphthalene-d8	8.139	136	763047	20.000	ng	#-0.02
39) Acenaphthene-d10	9.892	164	382042	20.000	ng	-0.02
64) Phenanthrene-d10	11.374	188	585220	20.000	ng	-0.02
76) Chrysene-d12	14.015	240	463206	20.000	ng	#-0.02
86) Perylene-d12	15.480	264	302471	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	668466	50.660	ng	-0.02
7) Phenol-d6	6.475	99	820840	45.355	ng	-0.02
23) Nitrobenzene-d5	7.416	82	510539	34.560	ng	-0.02
42) 2,4,6-Tribromophenol	10.674	330	140378	42.150	ng	-0.02
45) 2-Fluorobiphenyl	9.216	172	861412	39.874	ng	-0.02
79) Terphenyl-d14	12.963	244	751974	26.555	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	71077	6.874	ng	# 62
25) Isophorone	7.416	82	507697	18.047	ng	# 59
32) Benzoic acid	7.816	122	107	4.182	ng	# 49
51) 2,6-Dinitrotoluene	9.892	165	50082	10.729	ng	# 28
57) 2,4-Dinitrotoluene	9.892	165	50082	8.735	ng	# 20
58) Fluorene	10.439	166	17305	Below Cal		100
65) 4,6-Dinitro-2-methylph...	10.674	198	409	6.204	ng	# 1
71) Phenanthrene	11.398	178	131720	4.338	ng	99
75) Fluoranthene	12.586	202	193727	6.328	ng	99
78) Pyrene	12.816	202	185795	4.310	ng	99
81) Benzo(a)anthracene	14.004	228	84501	2.710	ng	96
83) Chrysene	14.039	228	82214	2.606	ng	97
88) Benzo(b)fluoranthene	15.051	252	100851	5.051	ng	# 78
89) Benzo(k)fluoranthene	15.051	252	100851	5.259	ng	# 78
90) Benzo(a)pyrene	15.415	252	52161	3.236	ng	# 88

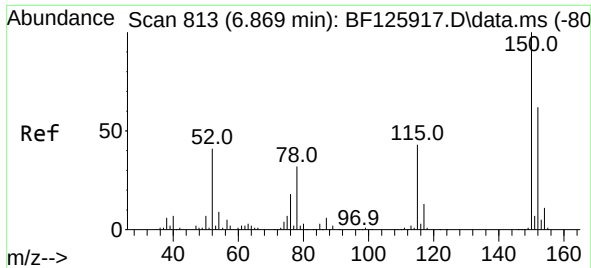
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
Data File : BF125978.D
Acq On : 27 Oct 2021 23:02
Operator : JU/CG
Sample : M4357-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-102521

Quant Time: Oct 28 09:01:40 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 25 18:49:16 2021
Response via : Initial Calibration

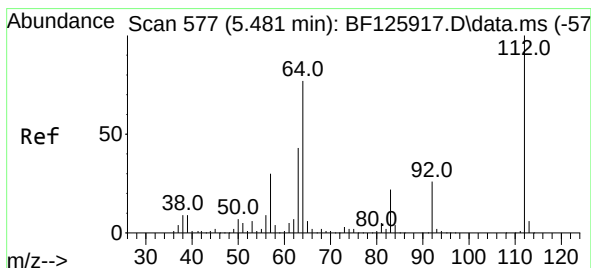
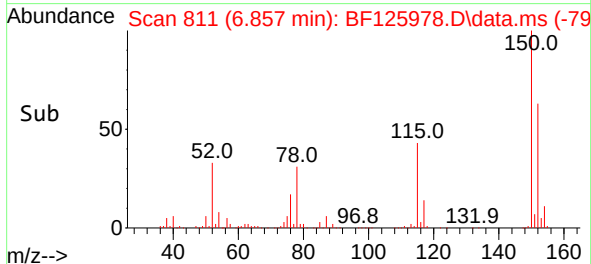
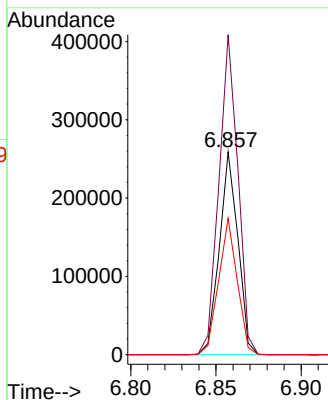
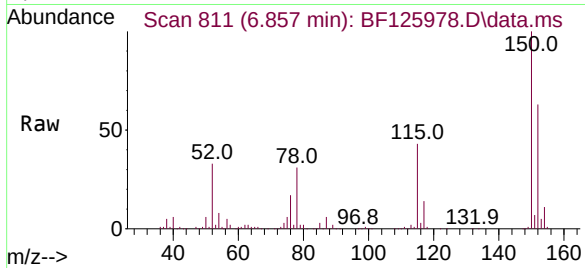




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

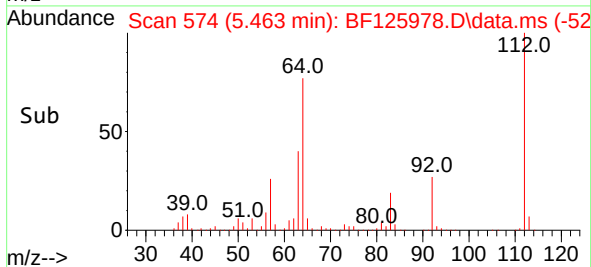
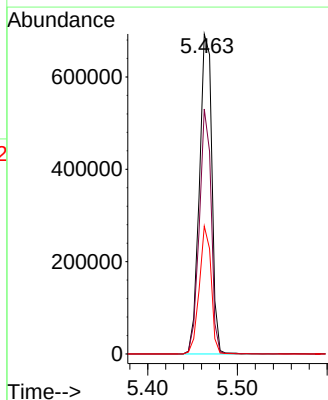
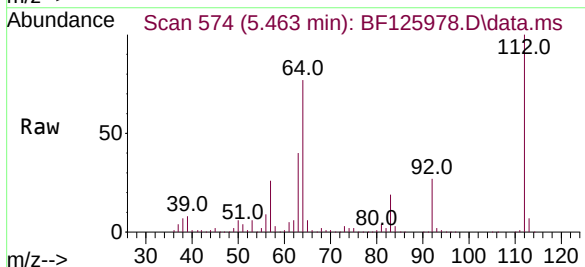
Instrument :
BNA_F
ClientSampleId :
CL-01-102521

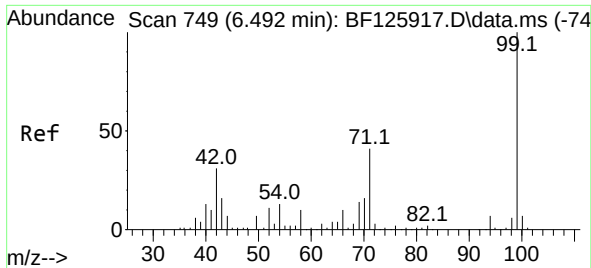
Tgt Ion:152 Resp: 196544
Ion Ratio Lower Upper
152 100
150 157.8 117.6 176.4
115 67.2 47.1 70.7



#5
2-Fluorophenol
Concen: 50.660 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.018 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

Tgt Ion:112 Resp: 668466
Ion Ratio Lower Upper
112 100
64 76.5 44.2 66.2#
63 40.0 26.2 39.2#

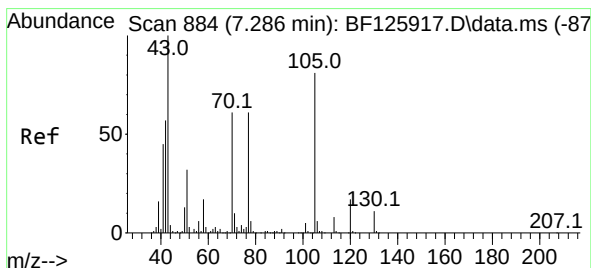
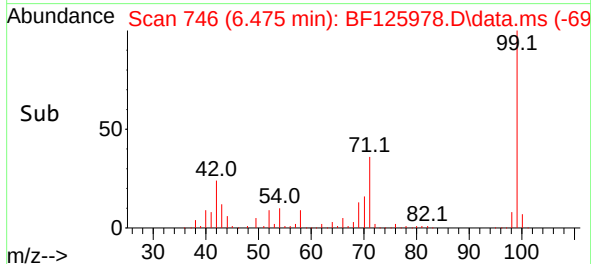
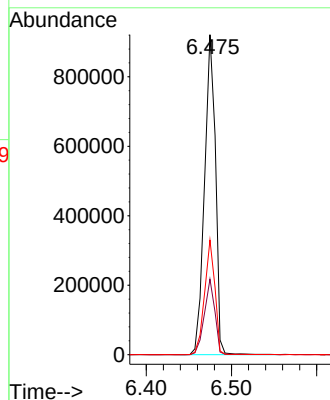
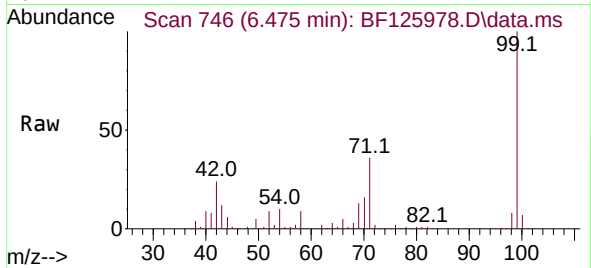




#7
Phenol-d6
Concen: 45.355 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.018 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

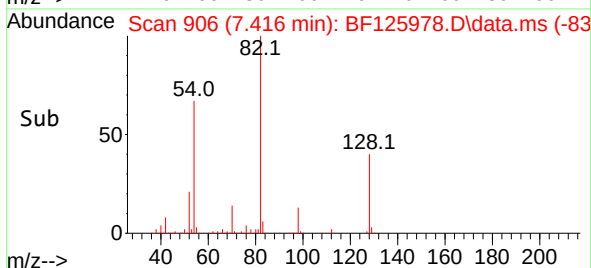
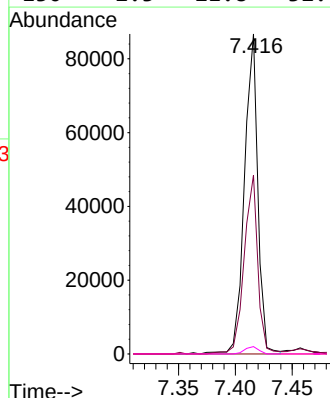
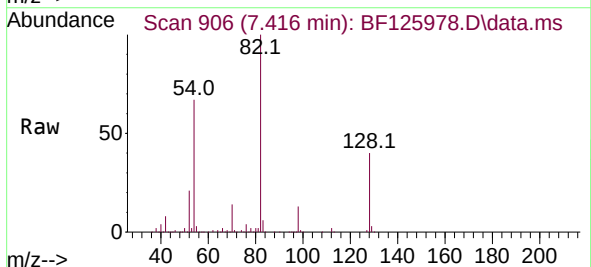
Instrument :
BNA_F
ClientSampleId :
CL-01-102521

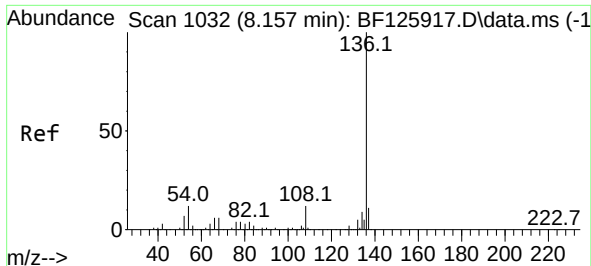
Tgt Ion:	99	Resp:	820840
Ion	Ratio	Lower	Upper
99	100		
42	23.6	23.5	35.3
71	35.9	25.6	38.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.874 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.129 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

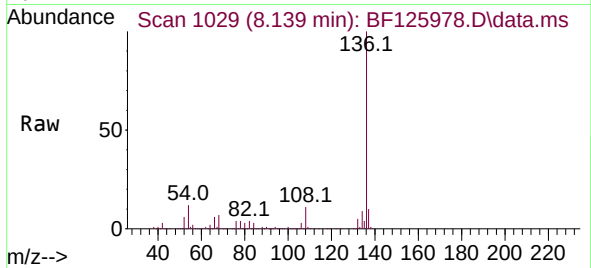
Tgt Ion:	70	Resp:	71077
Ion	Ratio	Lower	Upper
70	100		
42	55.9	72.2	108.2#
101	0.0	7.8	11.8#
130	2.3	21.8	32.6#



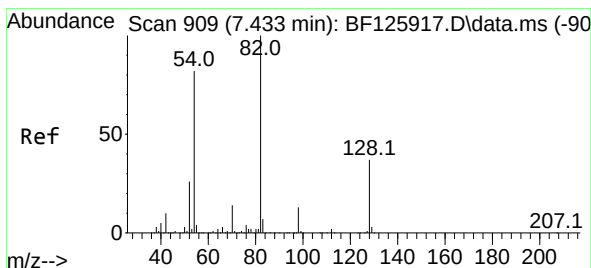
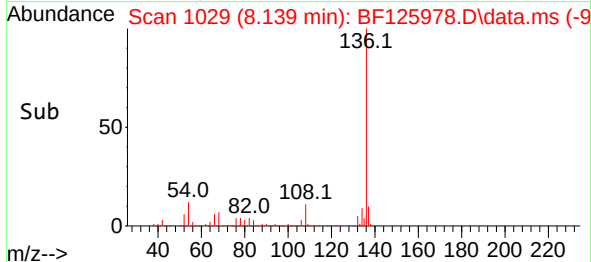
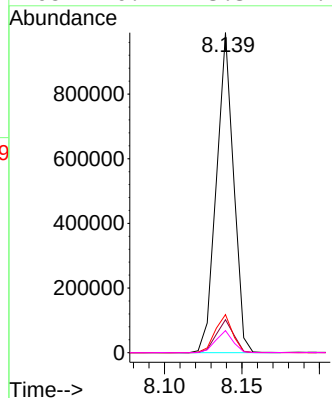


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

Instrument :
BNA_F
ClientSampleId :
CL-01-102521

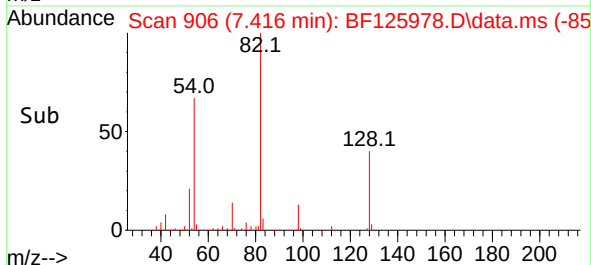
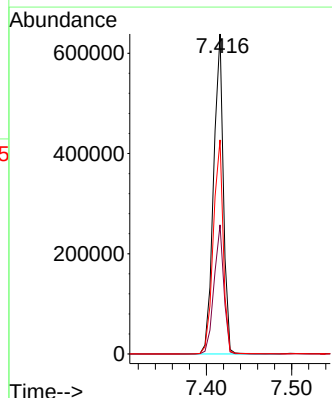
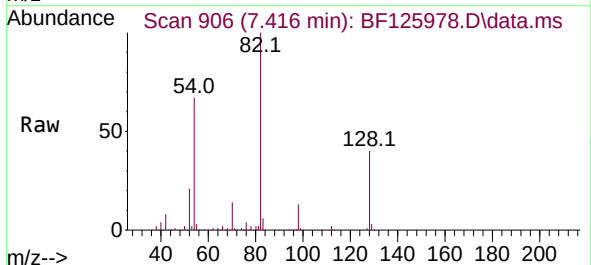


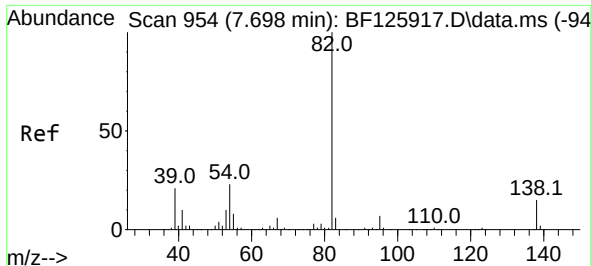
Tgt Ion:136 Resp: 763047
Ion Ratio Lower Upper
136 100
137 10.3 9.8 14.6
54 11.9 6.4 9.6#
68 6.9 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 34.560 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.018 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

Tgt Ion: 82 Resp: 510539
Ion Ratio Lower Upper
82 100
128 40.4 40.6 60.8#
54 66.9 49.6 74.4

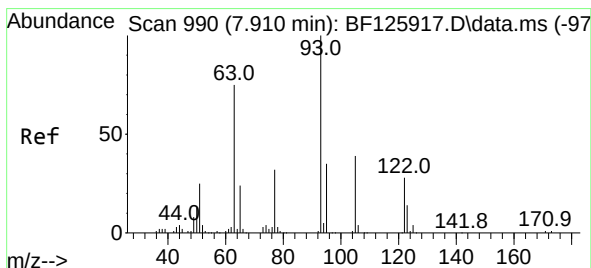
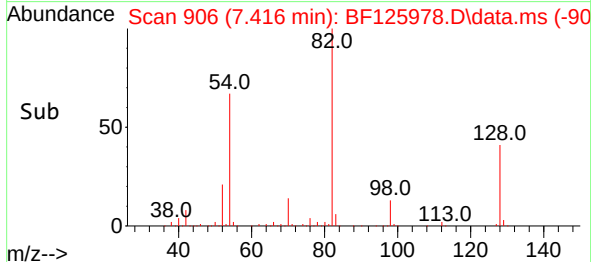
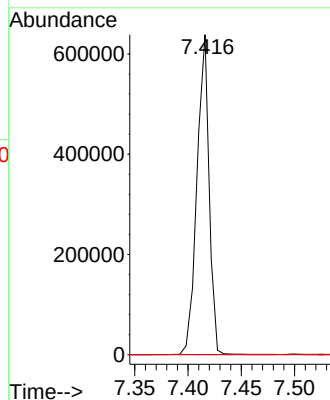
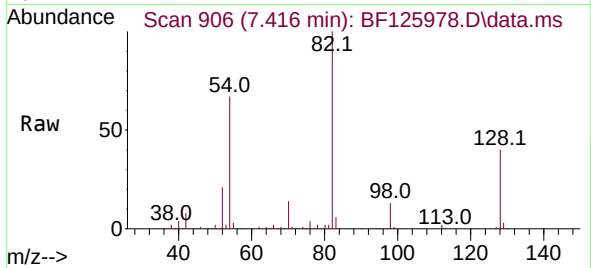




#25
Isophorone
Concen: 18.047 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.282 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

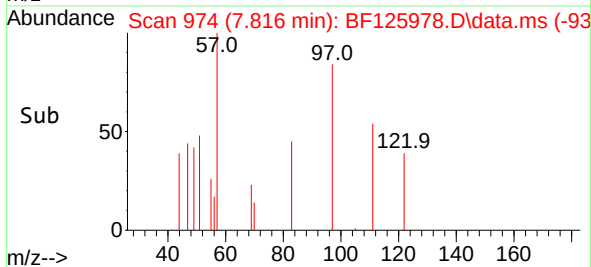
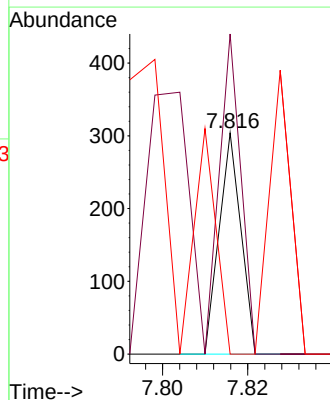
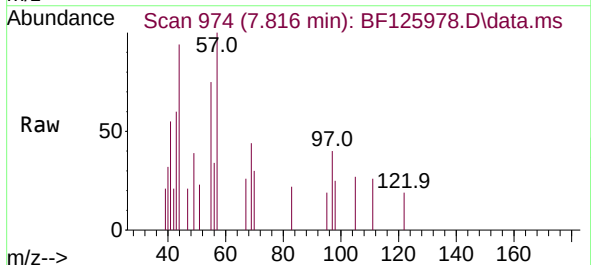
Instrument :
BNA_F
ClientSampleId :
CL-01-102521

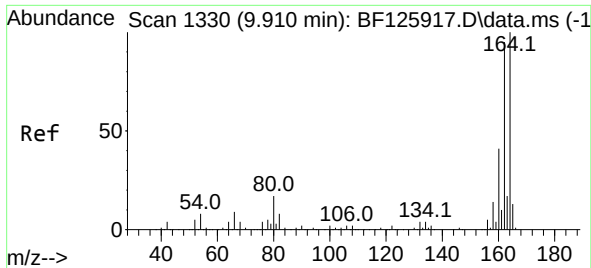
Tgt Ion: 82 Resp: 507697
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 4.182 ng
RT: 7.816 min Scan# 974
Delta R.T. -0.094 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

Tgt Ion: 122 Resp: 107
Ion Ratio Lower Upper
122 100
105 144.7 97.6 137.6#
77 0.0 59.6 99.6#

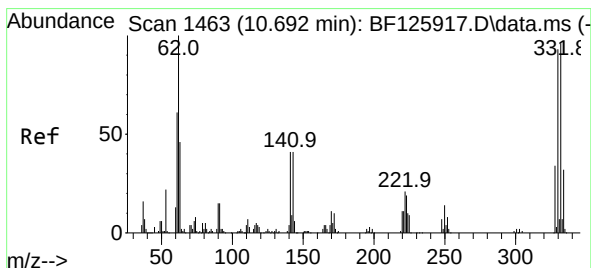
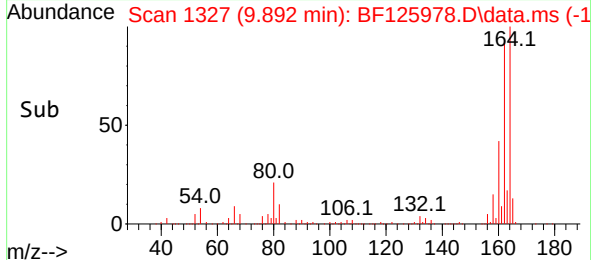
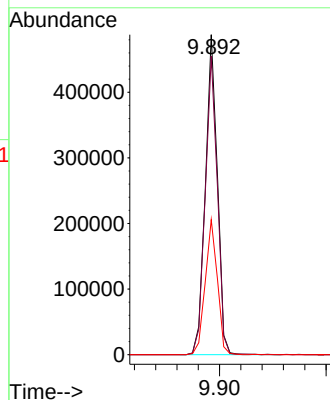
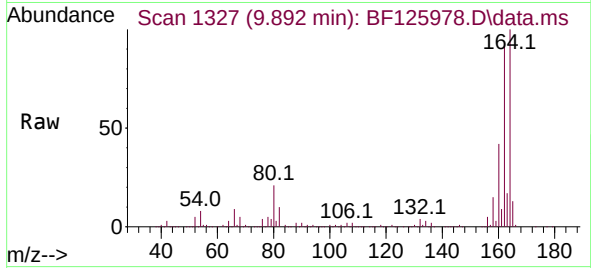




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

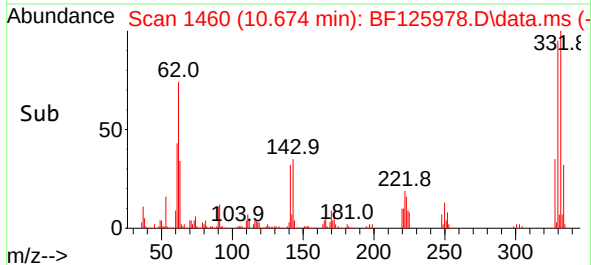
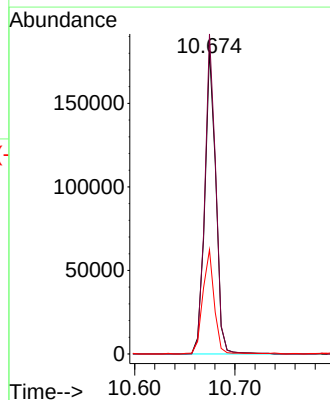
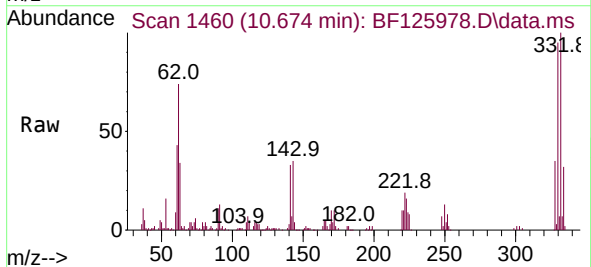
Instrument :
BNA_F
ClientSampleId :
CL-01-102521

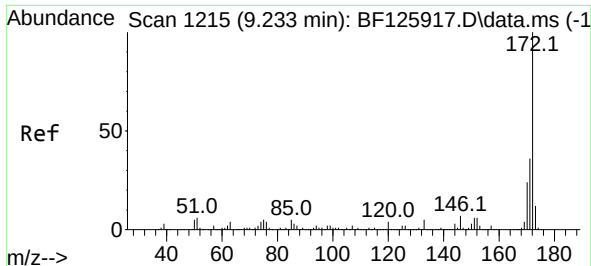
Tgt Ion:164 Resp: 382042
Ion Ratio Lower Upper
164 100
162 93.3 81.3 121.9
160 42.2 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 42.150 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.018 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

Tgt Ion:330 Resp: 140378
Ion Ratio Lower Upper
330 100
332 103.6 76.2 114.4
141 35.7 44.6 66.8#

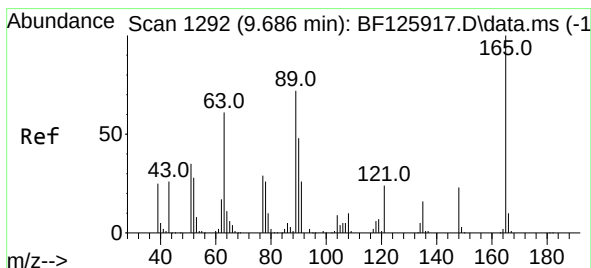
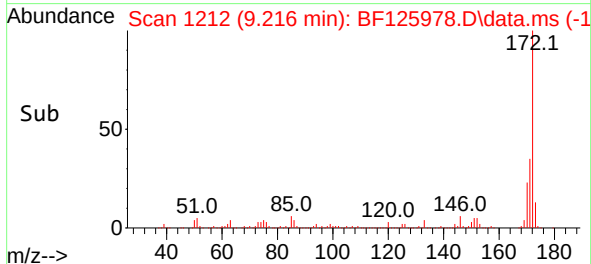
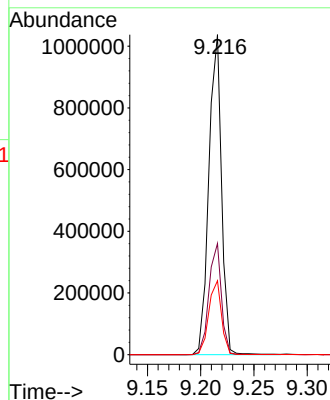
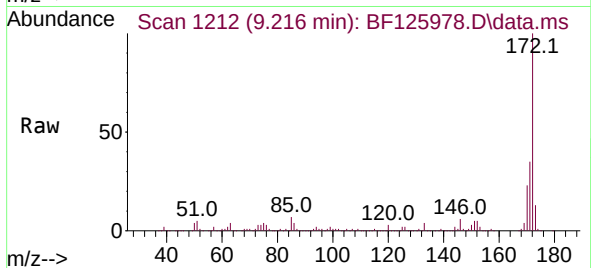




#45
2-Fluorobiphenyl
Concen: 39.874 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.018 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

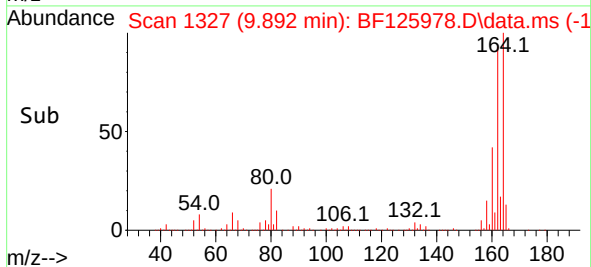
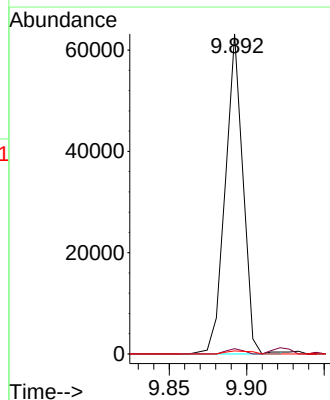
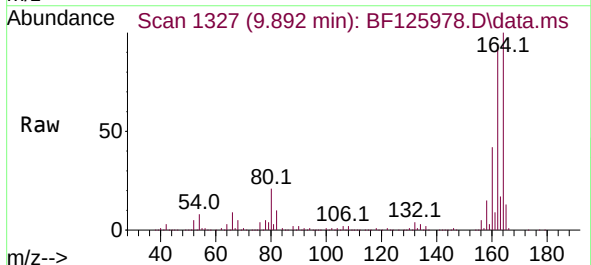
Instrument :
BNA_F
ClientSampleId :
CL-01-102521

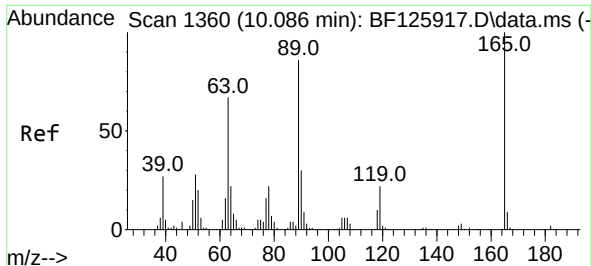
Tgt Ion:172 Resp: 861412
Ion Ratio Lower Upper
172 100
171 34.7 26.5 39.7
170 23.1 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 10.729 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.206 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

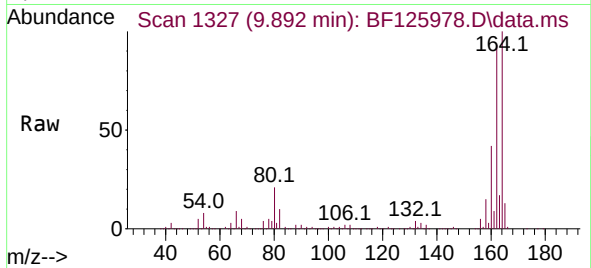
Tgt Ion:165 Resp: 50082
Ion Ratio Lower Upper
165 100
63 1.6 42.6 63.8#
89 0.9 40.6 60.8#



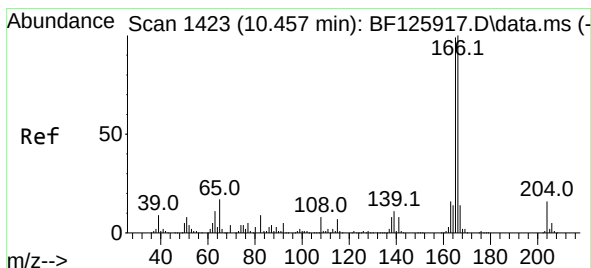
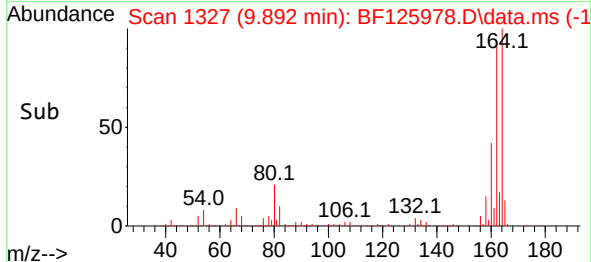
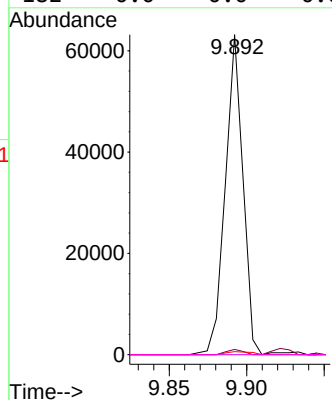


#57
2,4-Dinitrotoluene
Concen: 8.735 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.194 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

Instrument :
BNA_F
ClientSampleId :
CL-01-102521

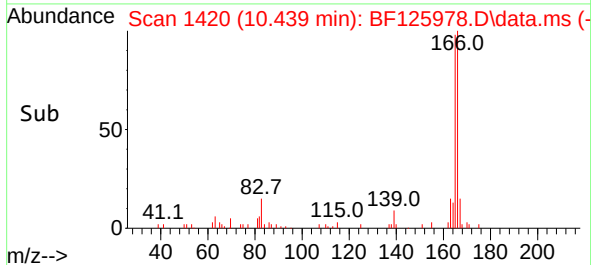
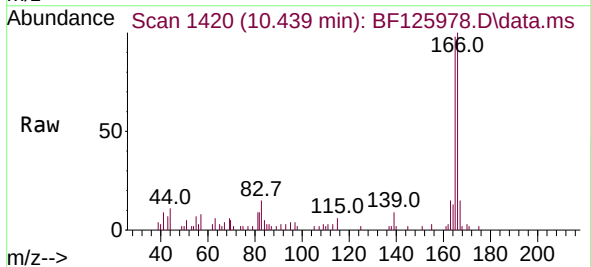
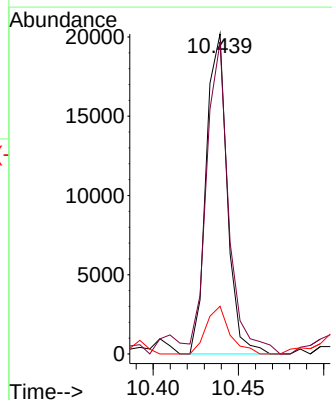


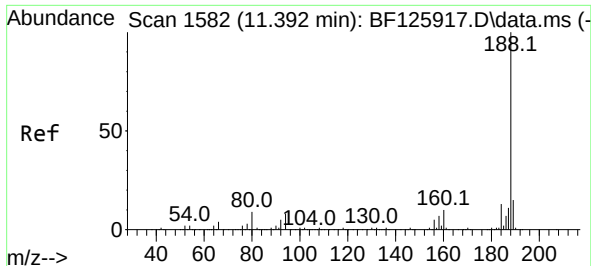
Tgt Ion:165 Resp: 50082
Ion Ratio Lower Upper
165 100
63 1.6 40.9 61.3#
89 0.9 59.7 89.5#
182 0.0 0.0 0.0



#58
Fluorene
Concen: Below Cal
RT: 10.439 min Scan# 1420
Delta R.T. -0.018 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

Tgt Ion:166 Resp: 17305
Ion Ratio Lower Upper
166 100
165 97.5 78.1 117.1
167 14.9 11.1 16.7

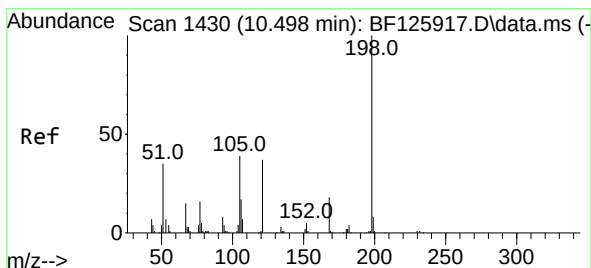
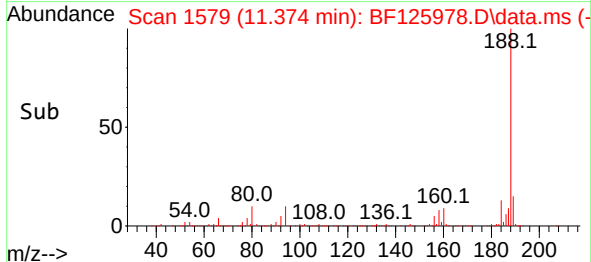
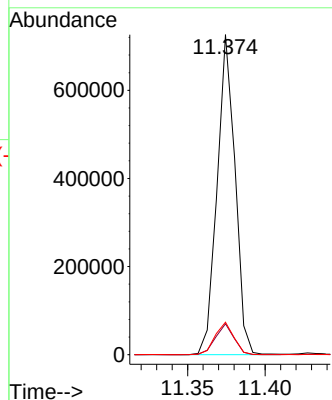
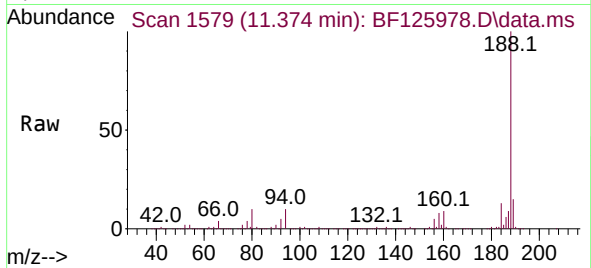




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.018 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

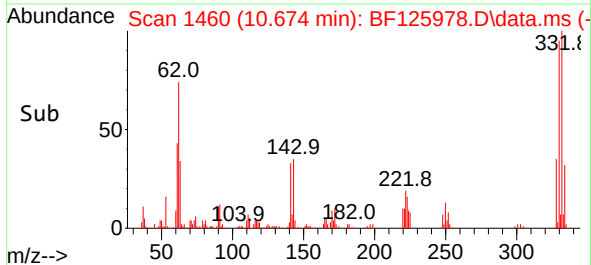
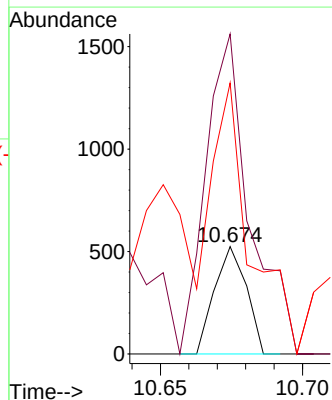
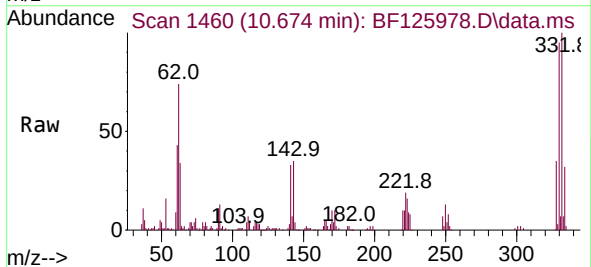
Instrument :
BNA_F
ClientSampleId :
CL-01-102521

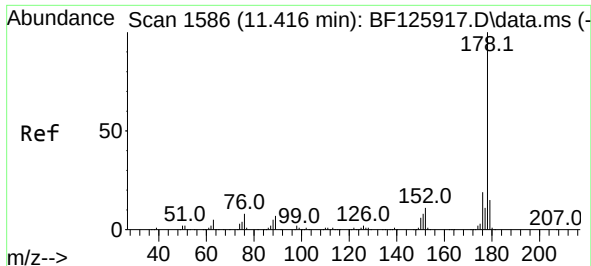
Tgt Ion:188 Resp: 585220
Ion Ratio Lower Upper
188 100
94 9.7 6.7 10.1
80 10.1 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 6.204 ng
RT: 10.674 min Scan# 1460
Delta R.T. 0.176 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

Tgt Ion:198 Resp: 409
Ion Ratio Lower Upper
198 100
51 298.1 45.3 85.3#
105 252.5 30.6 70.6#

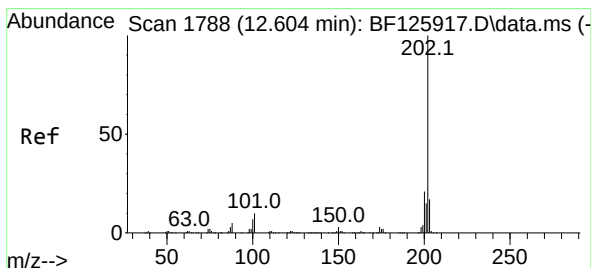
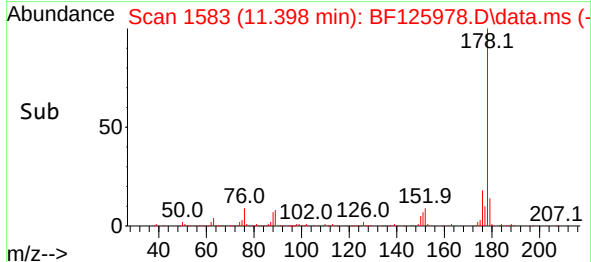
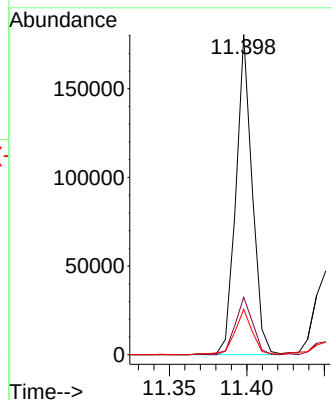
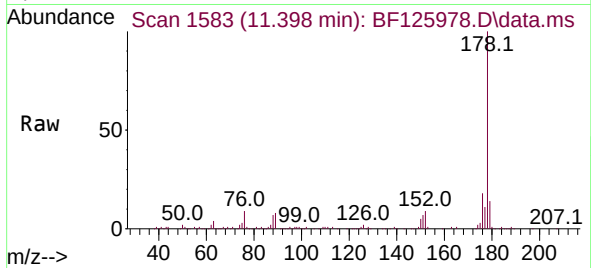




#71
Phenanthrene
Concen: 4.338 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.018 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

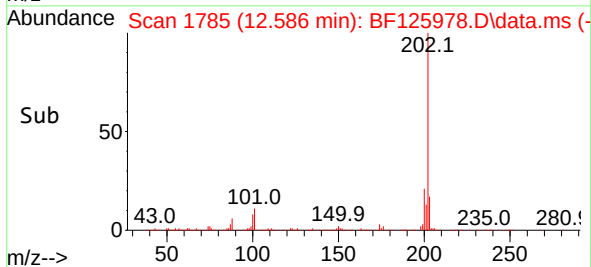
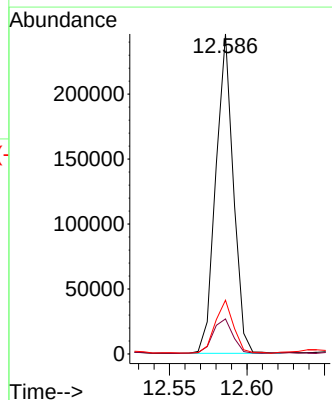
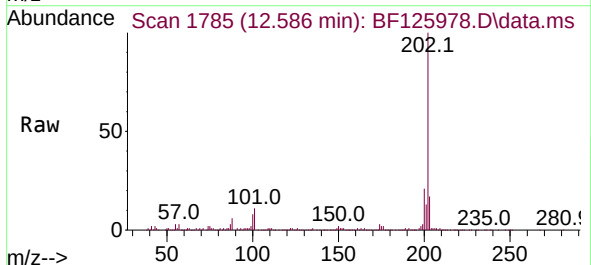
Instrument :
BNA_F
ClientSampleId :
CL-01-102521

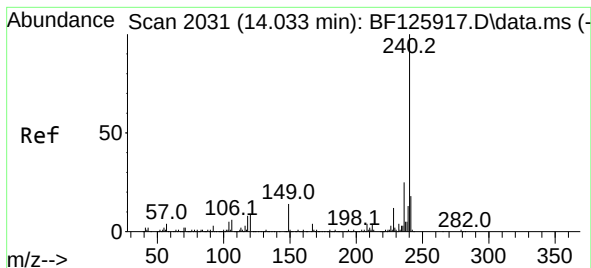
Tgt Ion:178 Resp: 131720
Ion Ratio Lower Upper
178 100
176 17.9 14.7 22.1
179 14.1 11.5 17.3



#75
Fluoranthene
Concen: 6.328 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.018 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

Tgt Ion:202 Resp: 193727
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.7
203 16.8 0.0 36.3

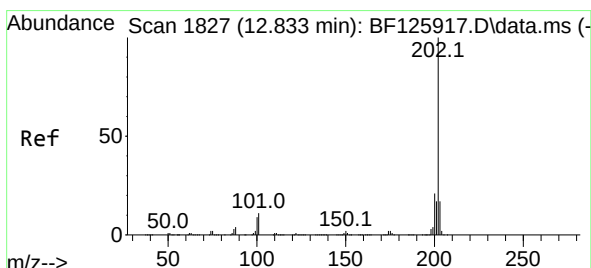
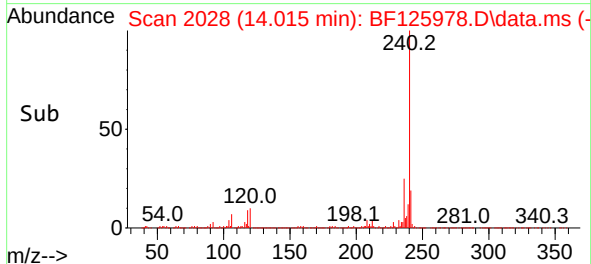
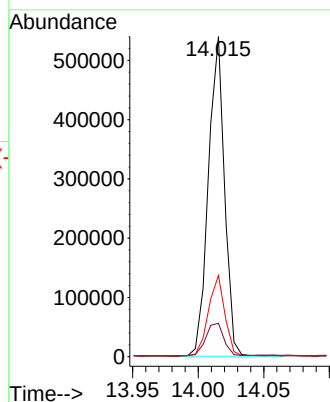
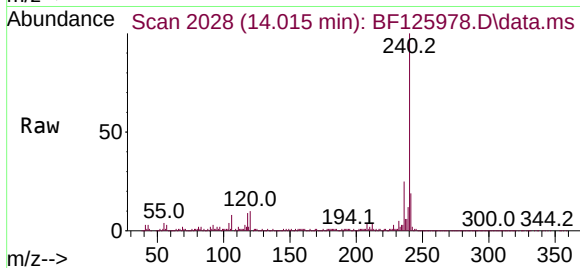




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.018 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

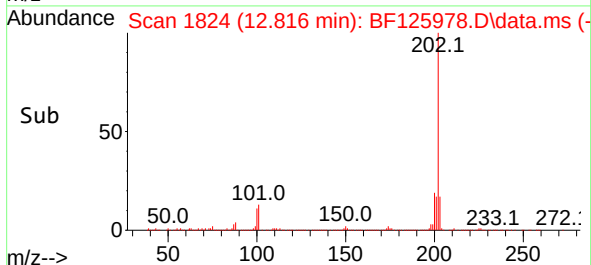
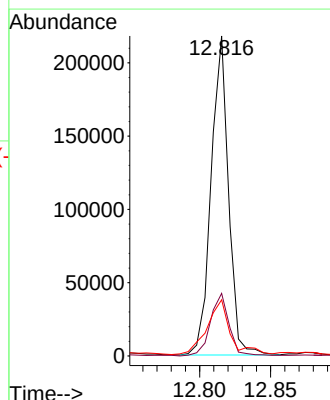
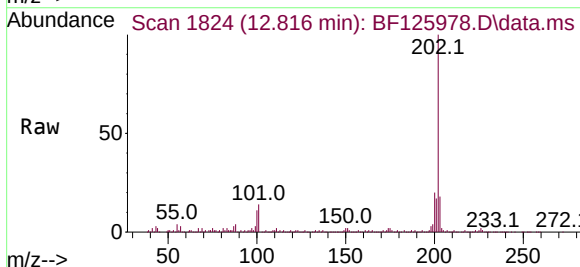
Instrument :
BNA_F
ClientSampleId :
CL-01-102521

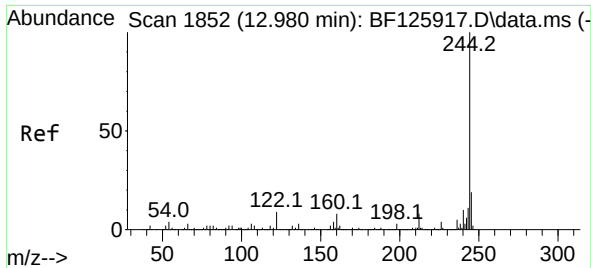
Tgt Ion:240 Resp: 463206
Ion Ratio Lower Upper
240 100
120 10.4 10.8 16.2#
236 25.4 21.6 32.4



#78
Pyrene
Concen: 4.310 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.018 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

Tgt Ion:202 Resp: 185795
Ion Ratio Lower Upper
202 100
200 19.6 15.3 22.9
203 17.5 13.4 20.0

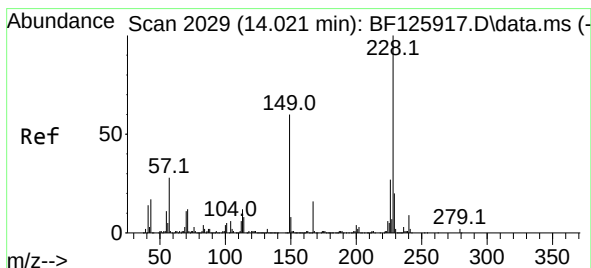
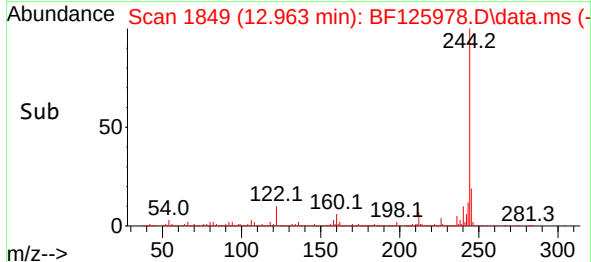
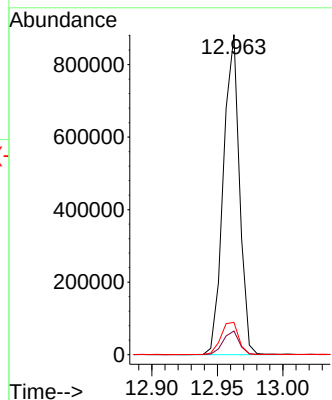
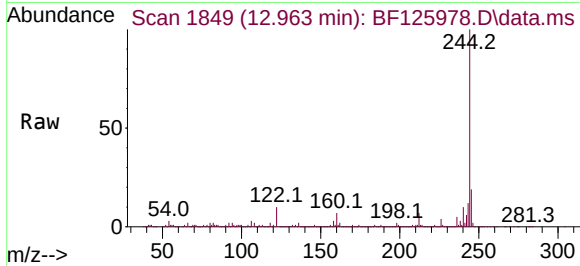




#79
 Terphenyl-d14
 Concen: 26.555 ng
 RT: 12.963 min Scan# 1849
 Delta R.T. -0.018 min
 Lab File: BF125978.D
 Acq: 27 Oct 2021 23:02

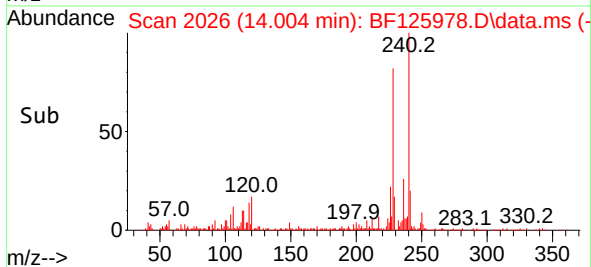
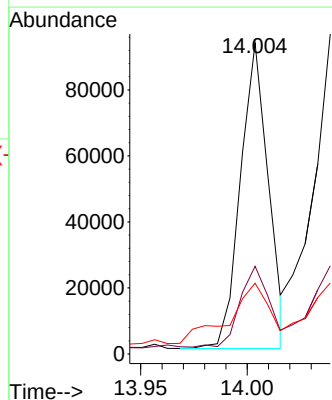
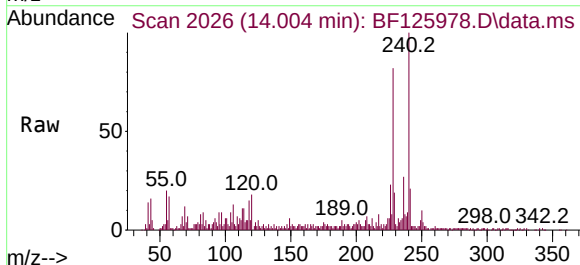
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102521

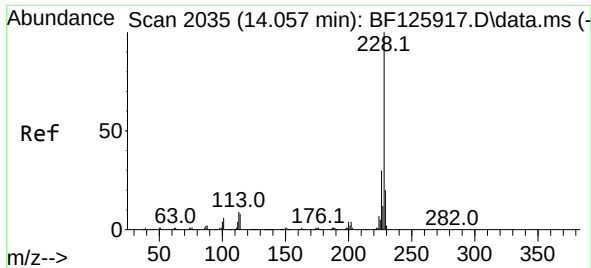
Tgt Ion:244 Resp: 751974
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.9 8.9
 122 10.1 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 2.710 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. -0.018 min
 Lab File: BF125978.D
 Acq: 27 Oct 2021 23:02

Tgt Ion:228 Resp: 84501
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.6 32.4
 229 22.7 15.6 23.4

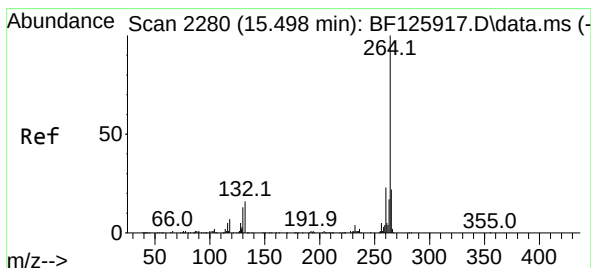
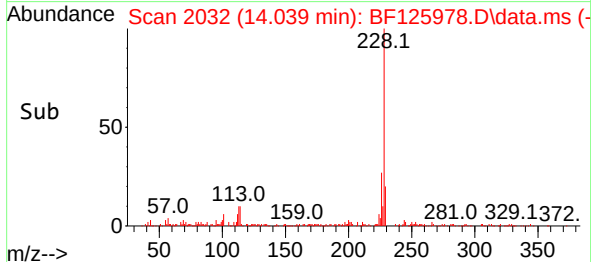
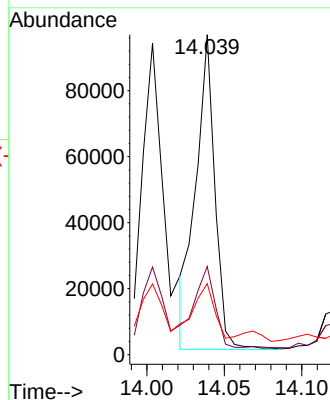
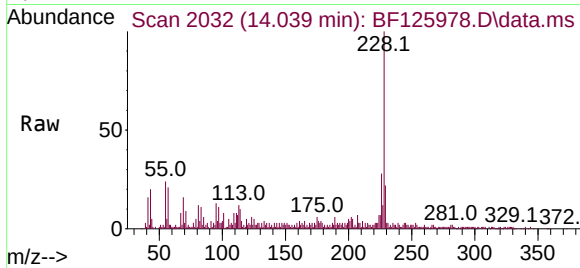




#83
Chrysene
Concen: 2.606 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.018 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

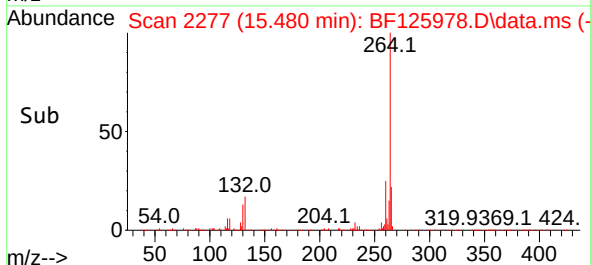
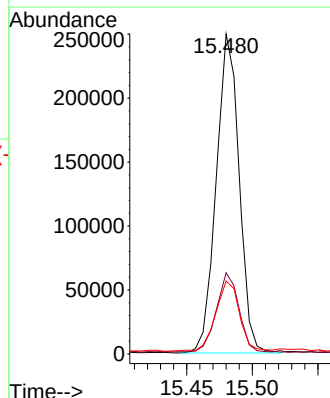
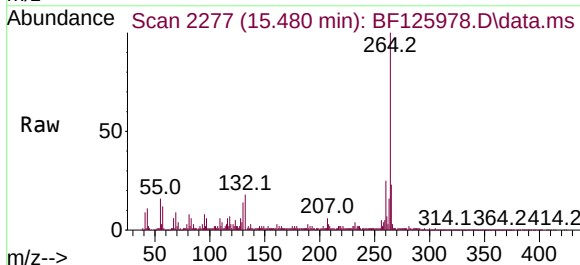
Instrument :
BNA_F
ClientSampleId :
CL-01-102521

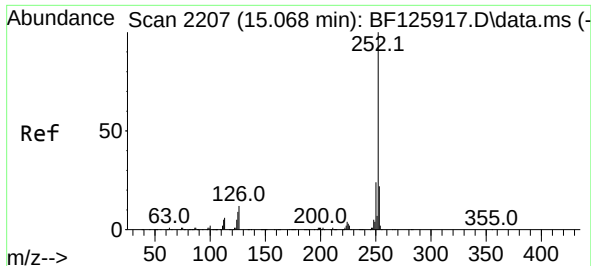
Tgt Ion:	228	Resp:	82214
Ion Ratio	Lower	Upper	
228	100		
226	27.6	22.6	34.0
229	22.2	15.9	23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.018 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

Tgt Ion:	264	Resp:	302471
Ion Ratio	Lower	Upper	
264	100		
260	25.4	19.6	29.4
265	22.8	17.2	25.8

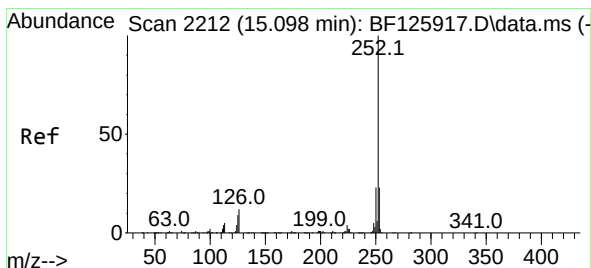
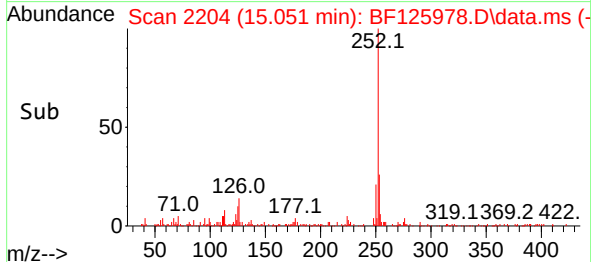
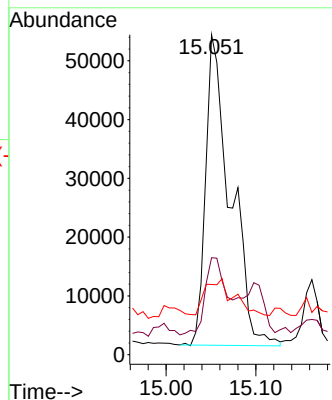
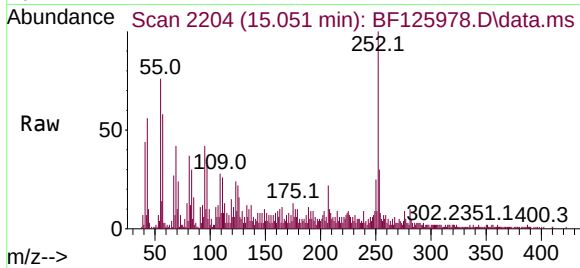




#88
Benzo(b)fluoranthene
Concen: 5.051 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.018 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

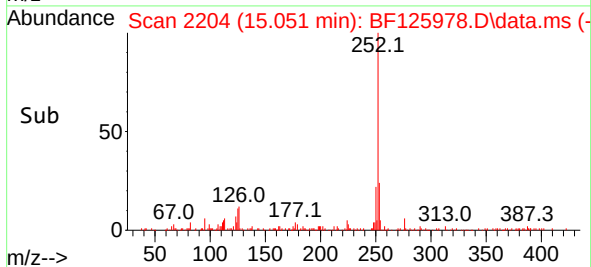
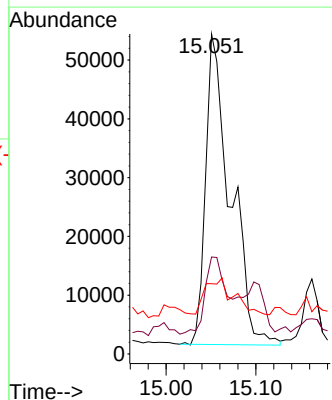
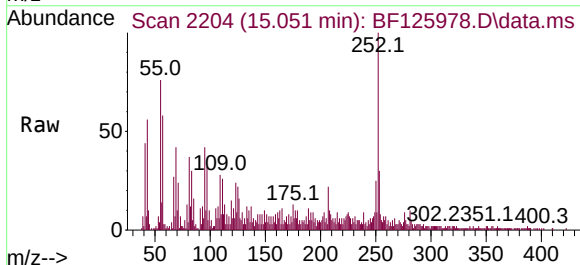
Instrument :
BNA_F
ClientSampleId :
CL-01-102521

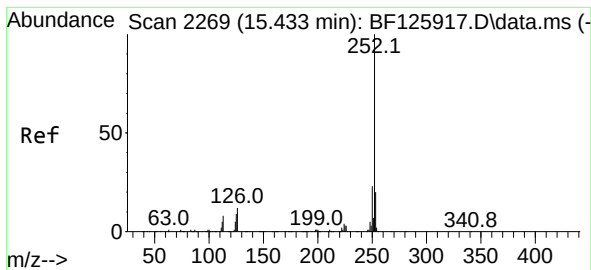
Tgt Ion:252 Resp: 100851
Ion Ratio Lower Upper
252 100
253 30.3 16.8 25.2#
125 21.9 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 5.259 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.047 min
Lab File: BF125978.D
Acq: 27 Oct 2021 23:02

Tgt Ion:252 Resp: 100851
Ion Ratio Lower Upper
252 100
253 30.3 17.8 26.8#
125 21.9 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 3.236 ng

RT: 15.415 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF125978.D

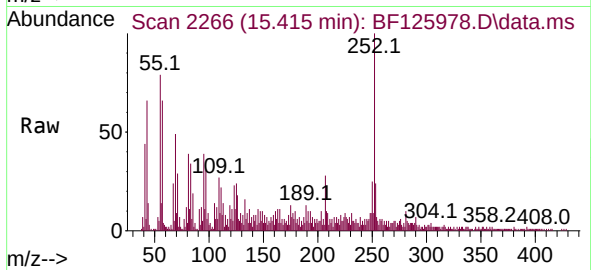
Acq: 27 Oct 2021 23:02

Instrument :

BNA_F

ClientSampleId :

CL-01-102521



Tgt Ion:252	Resp:	52161
Ion Ratio	Lower	Upper
252	100	
253	24.3	18.4 27.6
125	24.3	9.9 14.9#

