

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
 Data File : BF125997.D
 Acq On : 28 Oct 2021 19:33
 Operator : JU/CG
 Sample : M4372-07DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4DL

Quant Time: Oct 29 10:42:31 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 28 12:01:54 2021
 Response via : Initial Calibration

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

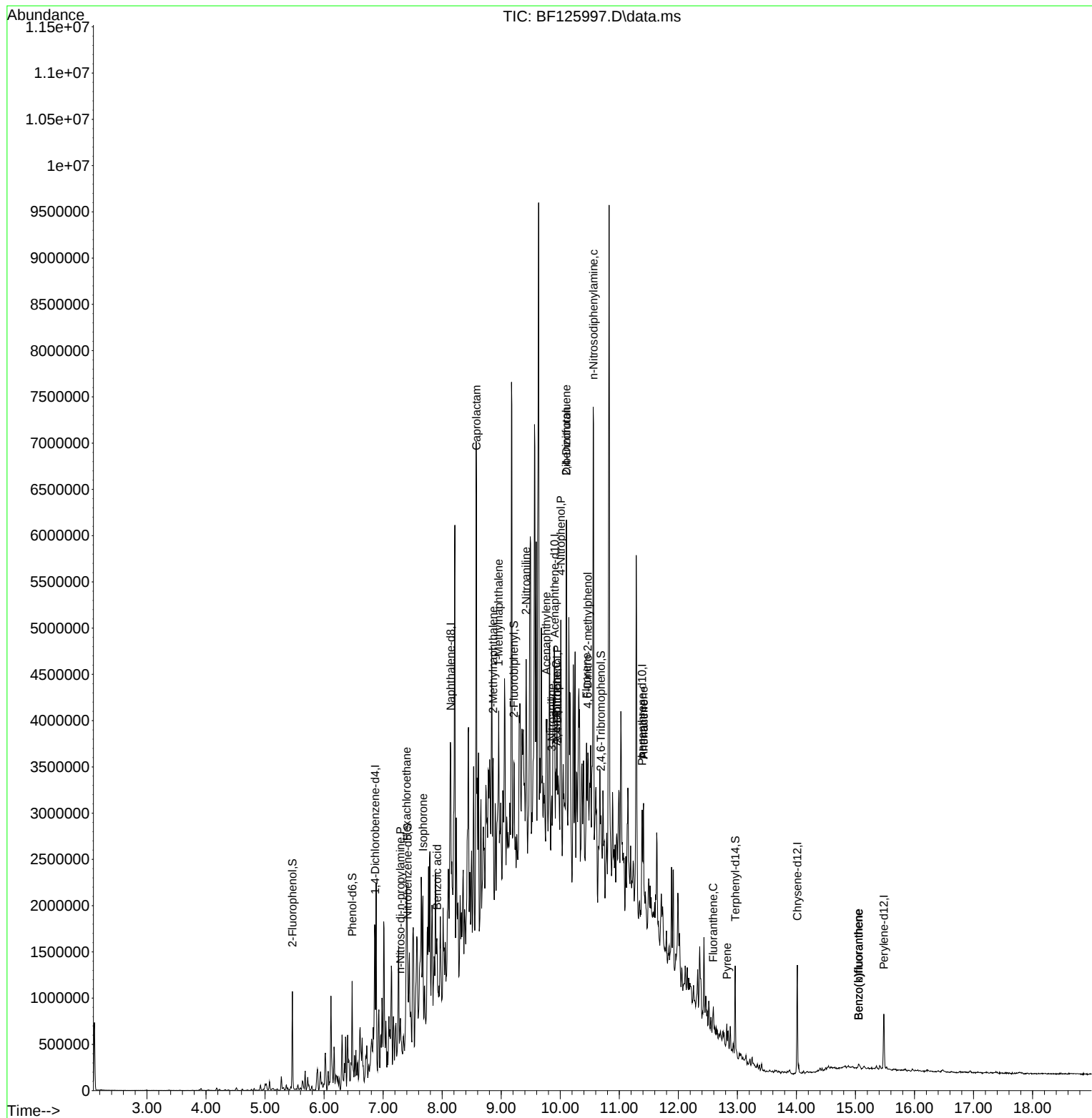
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	173527	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	569582	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	268553	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	470444	20.000	ng	0.00
76) Chrysene-d12	14.015	240	387184	20.000	ng	0.00
86) Perylene-d12	15.480	264	258998	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	214870	18.444	ng	-0.01
7) Phenol-d6	6.475	99	282980	17.710	ng	-0.01
23) Nitrobenzene-d5	7.416	82	202317	18.347	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	30887	13.193	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	246569	16.237	ng	0.00
79) Terphenyl-d14	12.963	244	274376	11.592	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.398	117	51309	10.415	ng	# 1
19) n-Nitroso-di-n-propyla...	7.292	70	20010	2.192	ng	# 53
25) Isophorone	7.675	82	68097	3.243	ng	# 1
32) Benzoic acid	7.916	122	3130	4.648	ng	# 1
35) Caprolactam	8.580	113	110702	42.086	ng	# 1
37) 2-Methylnaphthalene	8.863	142	479913	25.744	ng	90
38) 1-Methylnaphthalene	8.957	142	383327	21.305	ng	90
48) 2-Nitroaniline	9.422	65	11193	2.113	ng	# 38
49) Acenaphthylene	9.763	152	47191	2.107	ng	# 1
52) Acenaphthene	9.933	154	80357	5.520	ng	# 80
53) 3-Nitroaniline	9.857	138	13465	3.580	ng	# 34
54) 2,4-Dinitrophenol	9.951	184	1000	7.784	ng	# 1
55) Dibenzofuran	10.104	168	71950	3.309	ng	# 1
56) 4-Nitrophenol	10.010	139	64536	22.079	ng	# 76
57) 2,4-Dinitrotoluene	10.104	165	35388	8.781	ng	# 41
58) Fluorene	10.445	166	144449	6.708	ng	# 84
65) 4,6-Dinitro-2-methylph...	10.469	198	1683	6.777	ng	# 1
66) n-Nitrosodiphenylamine	10.563	169	213816	15.174	ng	# 52
71) Phenanthrene	11.410	178	444406	18.205	ng	# 95
72) Anthracene	11.410	178	444406	18.234	ng	95
75) Fluoranthene	12.592	202	76099	3.092	ng	90
78) Pyrene	12.821	202	103158	2.863	ng	94
88) Benzo(b)fluoranthene	15.051	252	36010	2.106	ng	# 89
89) Benzo(k)fluoranthene	15.051	252	36010	2.193	ng	# 89

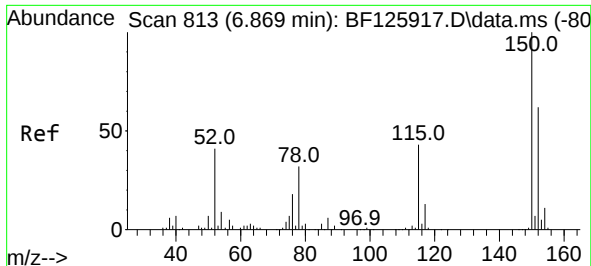
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102821\
Data File : BF125997.D
Acq On : 28 Oct 2021 19:33
Operator : JU/CG
Sample : M4372-07DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-4DL

Quant Time: Oct 29 10:42:31 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 28 12:01:54 2021
Response via : Initial Calibration

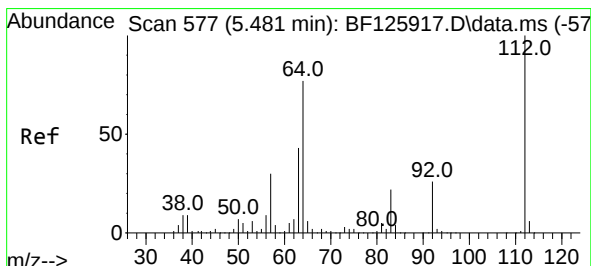
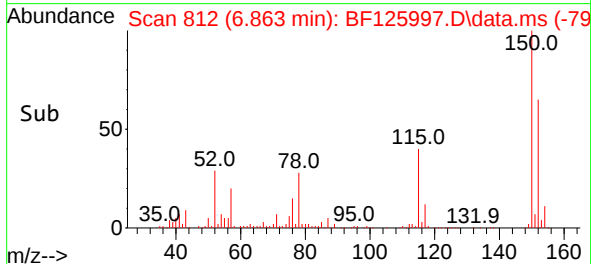
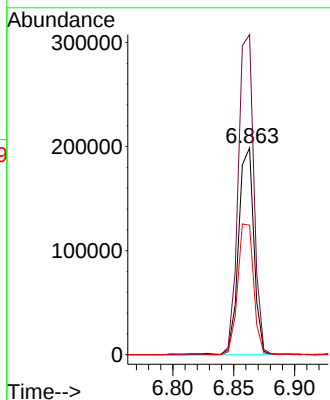
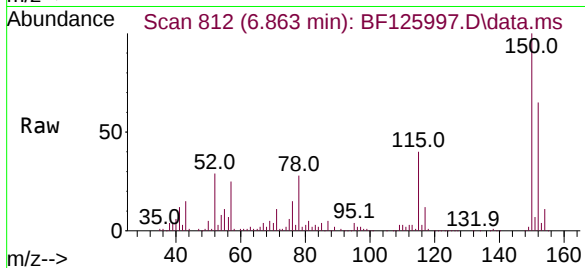




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

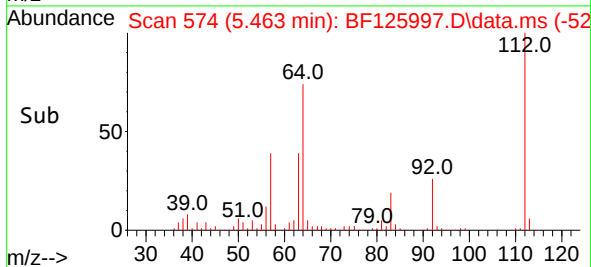
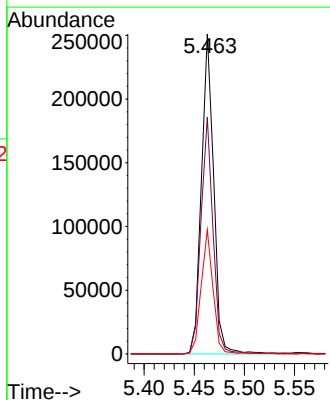
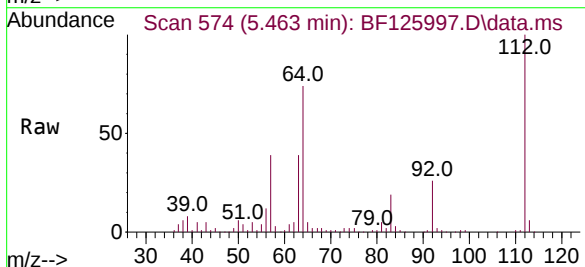
Instrument :
BNA_F
ClientSampleId :
SB-4DL

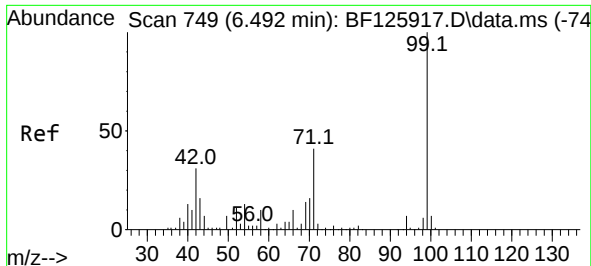
Tgt Ion:152 Resp: 173527
Ion Ratio Lower Upper
152 100
150 154.8 117.6 176.4
115 62.6 47.1 70.7



#5
2-Fluorophenol
Concen: 18.444 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.012 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

Tgt Ion:112 Resp: 214870
Ion Ratio Lower Upper
112 100
64 74.0 44.2 66.2#
63 38.8 26.2 39.2

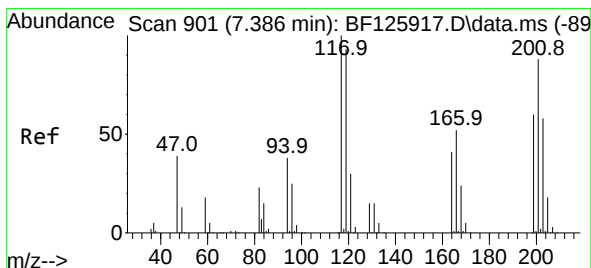
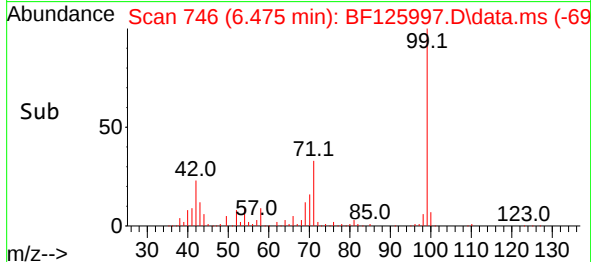
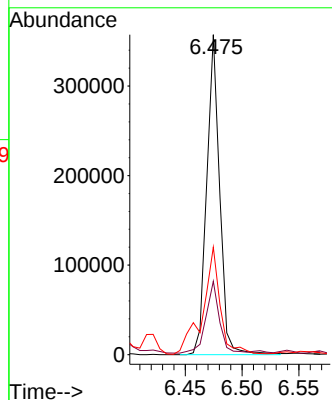
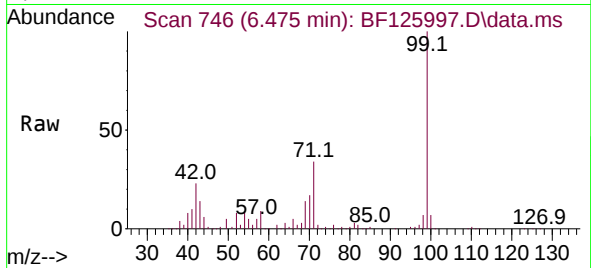




#7
Phenol-d6
Concen: 17.710 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.012 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

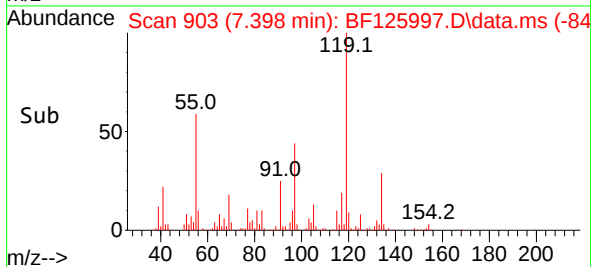
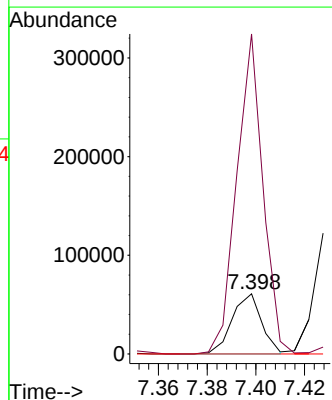
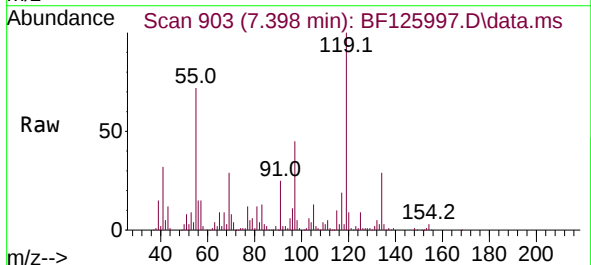
Instrument :
BNA_F
ClientSampleId :
SB-4DL

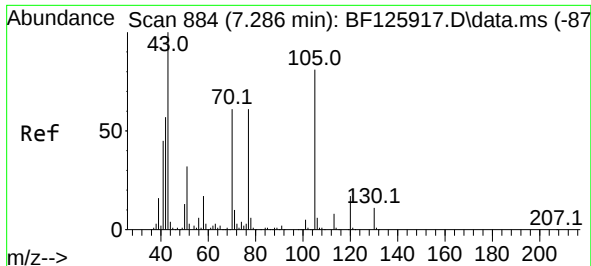
Tgt Ion: 99 Resp: 282980
Ion Ratio Lower Upper
99 100
42 23.0 23.5 35.3#
71 33.6 25.6 38.4



#18
Hexachloroethane
Concen: 10.415 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.023 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

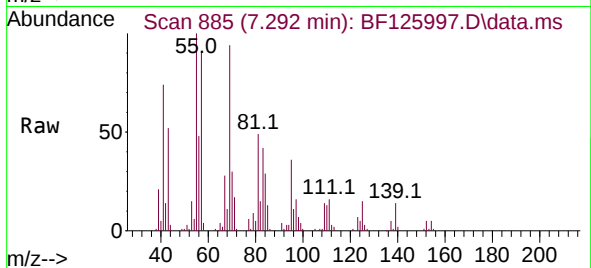
Tgt Ion: 117 Resp: 51309
Ion Ratio Lower Upper
117 100
119 531.8 73.4 110.2#
201 0.0 64.9 97.3#



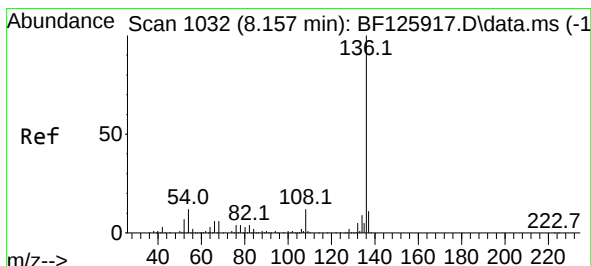
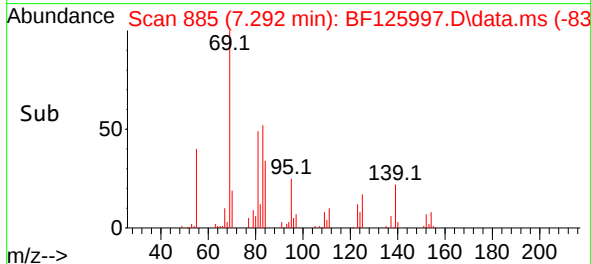
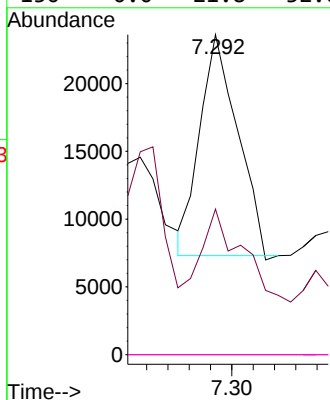


#19
n-Nitroso-di-n-propylamine
Concen: 2.192 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.012 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

Instrument :
BNA_F
ClientSampled :
SB-4DL

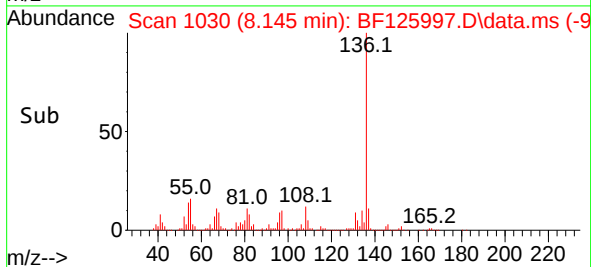
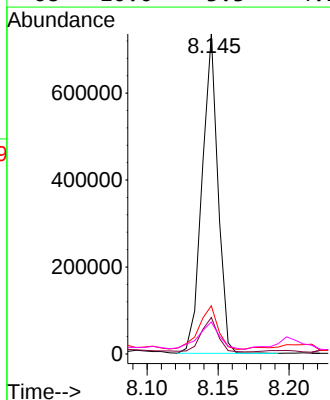
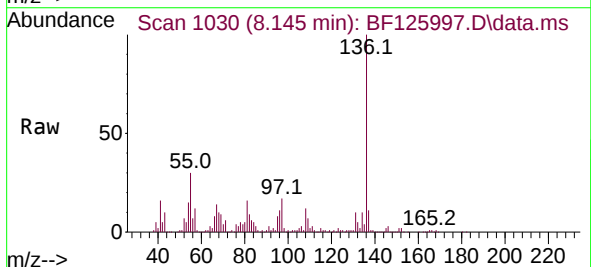


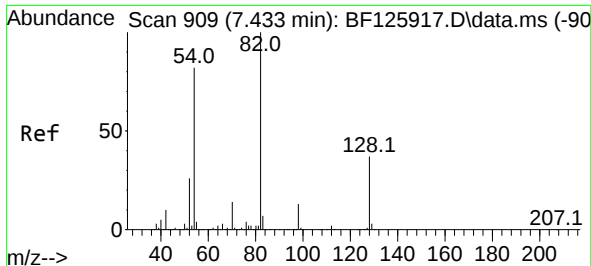
Tgt Ion:	70	Resp:	20010
Ion Ratio	Lower	Upper	
70	100		
42	45.5	72.2	108.2#
101	0.0	7.8	11.8#
130	0.0	21.8	32.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

Tgt Ion:	136	Resp:	569582
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.8	14.6
54	15.1	6.4	9.6#
68	10.0	3.3	4.9#





#23

Nitrobenzene-d5

Concen: 18.347 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF125997.D

Acq: 28 Oct 2021 19:33

Instrument :

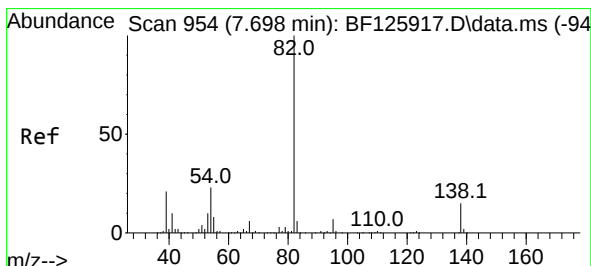
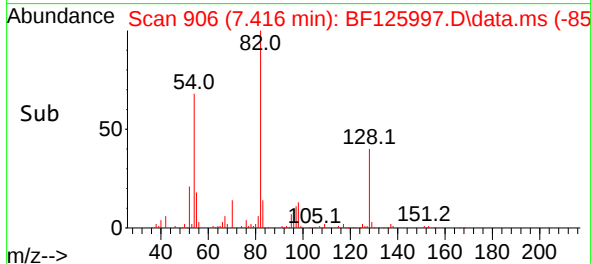
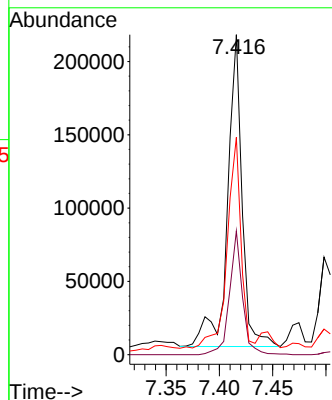
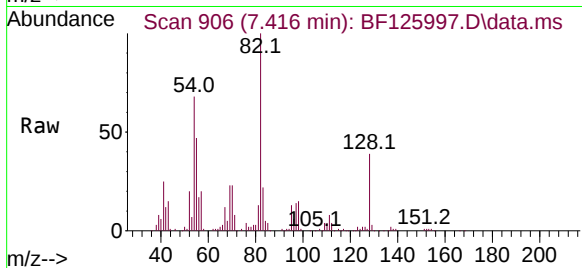
BNA_F

ClientSampleId :

SB-4DL

Tgt Ion: 82 Resp: 202317

Ion	Ratio	Lower	Upper
82	100		
128	38.6	40.6	60.8#
54	67.9	49.6	74.4



#25

Isophorone

Concen: 3.243 ng

RT: 7.675 min Scan# 950

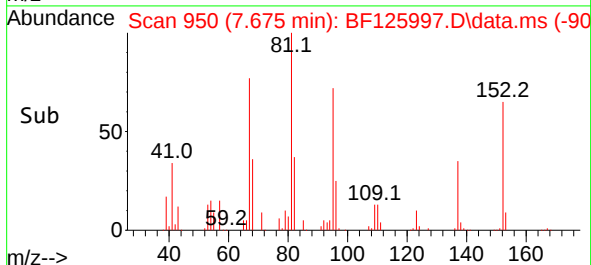
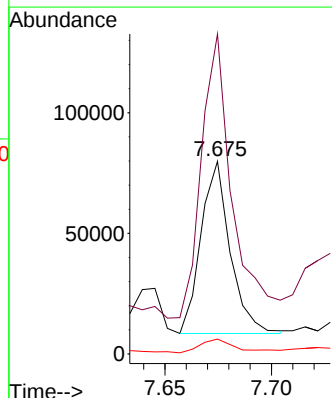
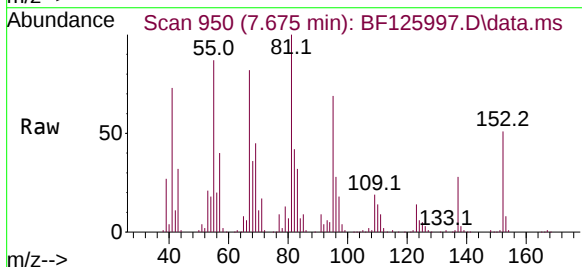
Delta R.T. -0.012 min

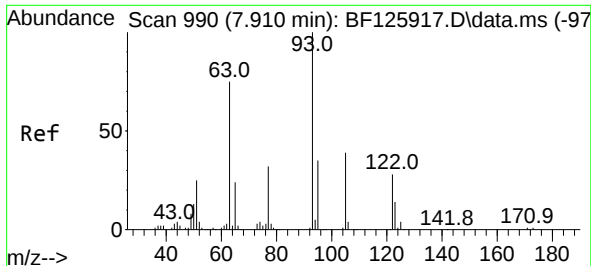
Lab File: BF125997.D

Acq: 28 Oct 2021 19:33

Tgt Ion: 82 Resp: 68097

Ion	Ratio	Lower	Upper
82	100		
95	166.1	6.5	9.7#
138	7.7	18.4	27.6#





#32

Benzoic acid

Concen: 4.648 ng

RT: 7.916 min Scan# 991

Delta R.T. 0.006 min

Lab File: BF125997.D

Acq: 28 Oct 2021 19:33

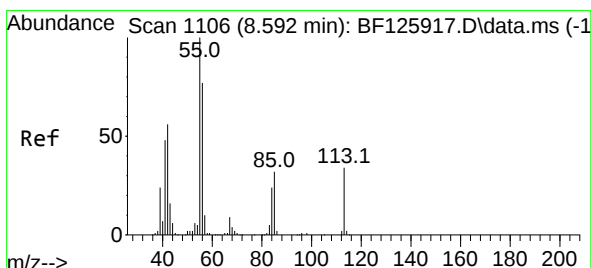
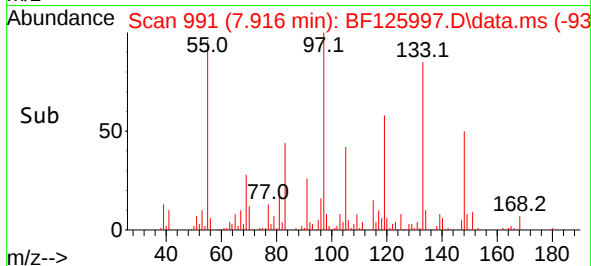
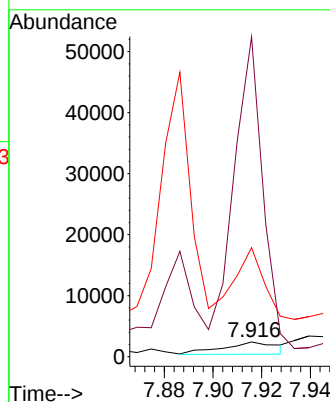
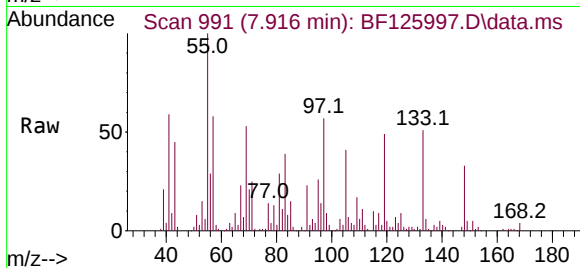
Instrument :

BNA_F

ClientSampleId :

SB-4DL

Tgt Ion:122 Resp: 3130
 Ion Ratio Lower Upper
 122 100
 105 2165.5 97.6 137.6#
 77 737.9 59.6 99.6#



#35

Caprolactam

Concen: 42.086 ng

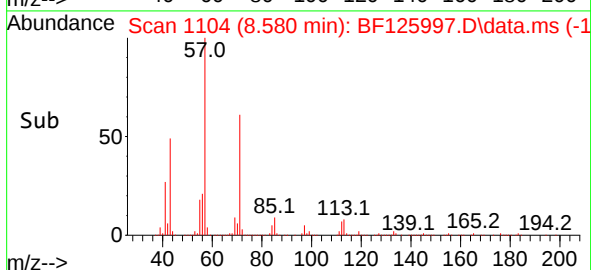
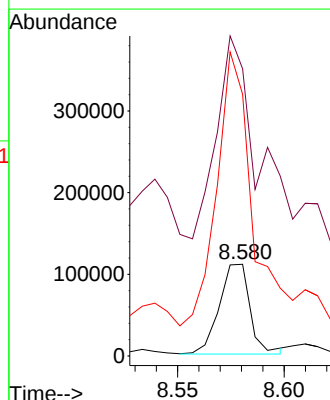
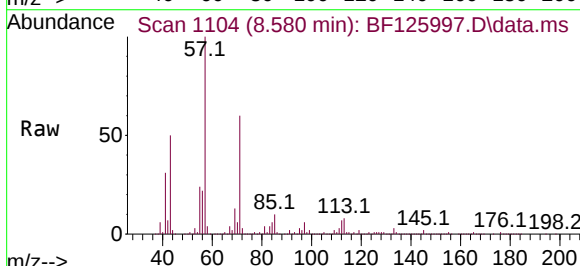
RT: 8.580 min Scan# 1104

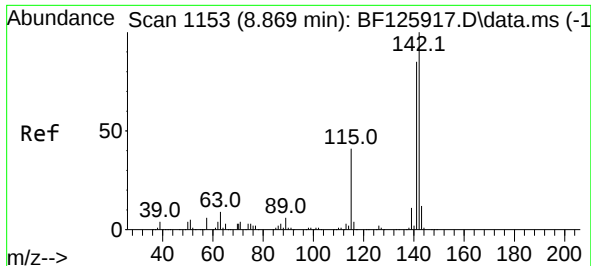
Delta R.T. -0.006 min

Lab File: BF125997.D

Acq: 28 Oct 2021 19:33

Tgt Ion:113 Resp: 110702
 Ion Ratio Lower Upper
 113 100
 55 313.2 154.1 194.1#
 56 285.4 108.7 148.7#

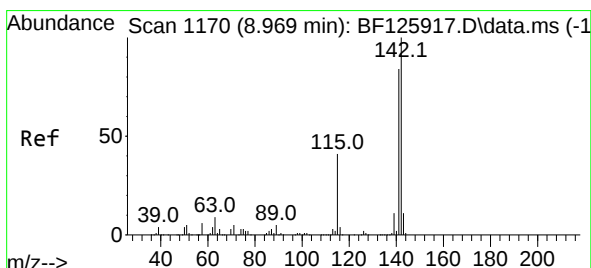
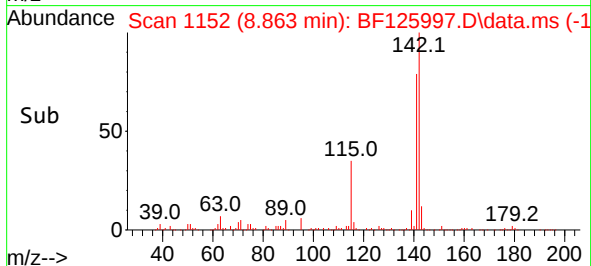
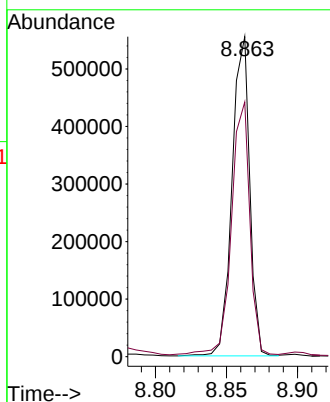
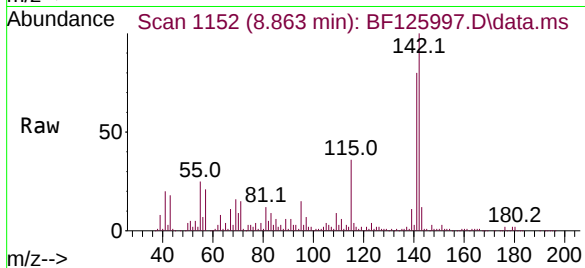




#37
2-Methylnaphthalene
Concen: 25.744 ng
RT: 8.863 min Scan# 1152
Delta R.T. 0.006 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

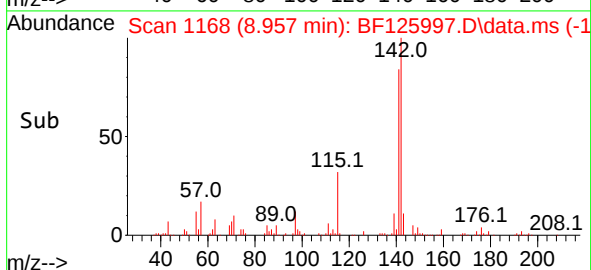
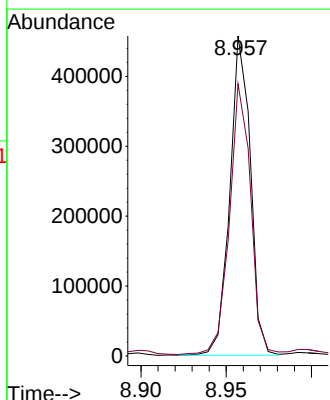
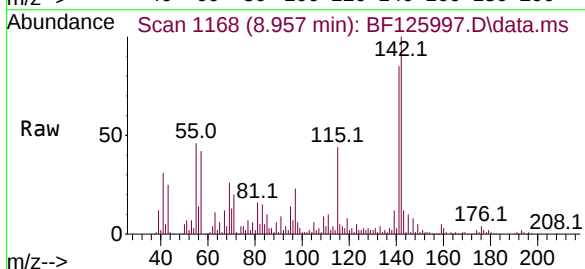
Instrument :
BNA_F
ClientSampled :
SB-4DL

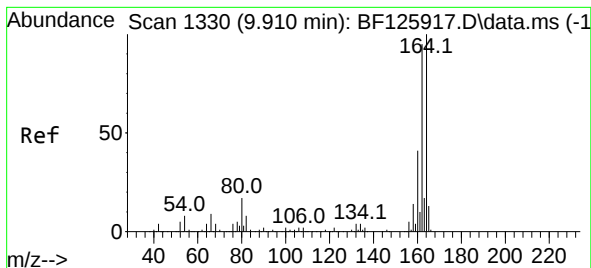
Tgt Ion:142 Resp: 479913
Ion Ratio Lower Upper
142 100
141 79.6 71.2 106.8



#38
1-Methylnaphthalene
Concen: 21.305 ng
RT: 8.957 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

Tgt Ion:142 Resp: 383327
Ion Ratio Lower Upper
142 100
141 85.0 76.0 114.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.006 min

Lab File: BF125997.D

Acq: 28 Oct 2021 19:33

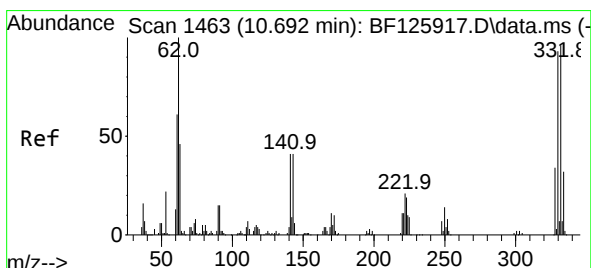
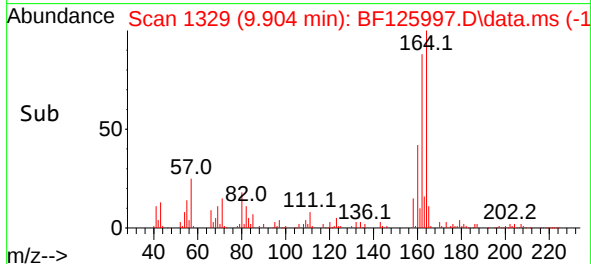
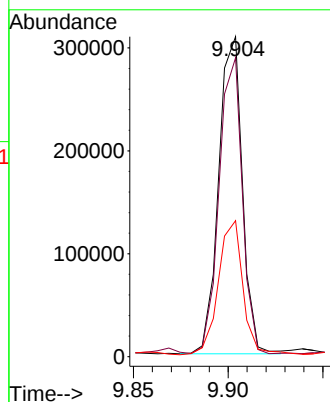
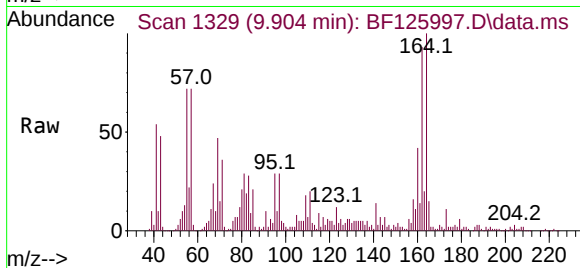
Instrument :

BNA_F

ClientSampled :

SB-4DL

Tgt Ion:164	Resp: 268553		
Ion Ratio	Lower	Upper	
164	100		
162	93.4	81.3	121.9
160	42.5	38.0	57.0



#42

2,4,6-Tribromophenol

Concen: 13.193 ng

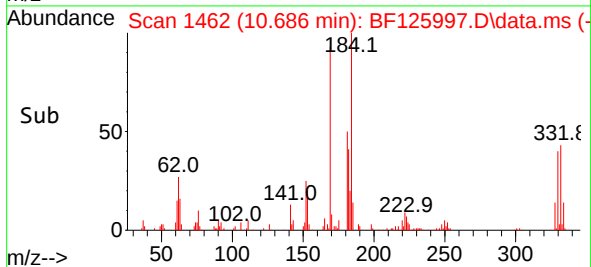
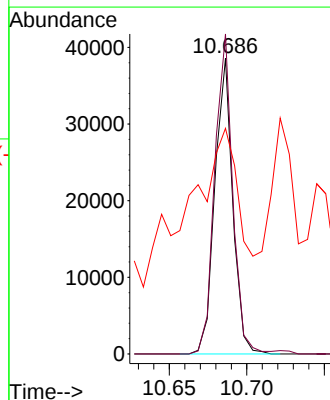
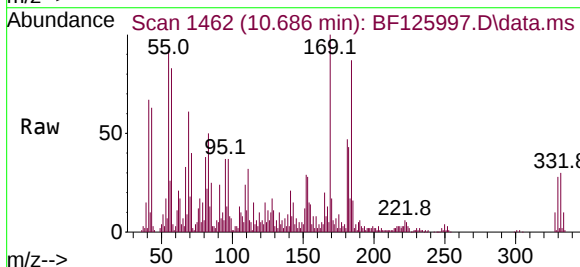
RT: 10.686 min Scan# 1462

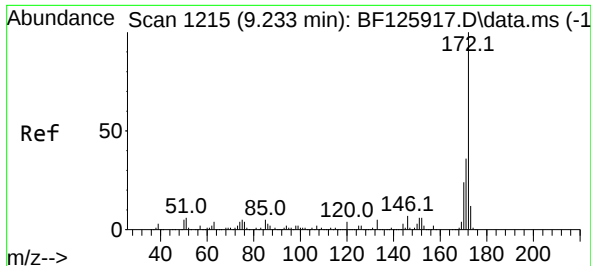
Delta R.T. -0.000 min

Lab File: BF125997.D

Acq: 28 Oct 2021 19:33

Tgt Ion:330	Resp:	30887	
Ion	Ratio	Lower	Upper
330	100		
332	109.9	76.2	114.4
141	147.8	44.6	66.8#

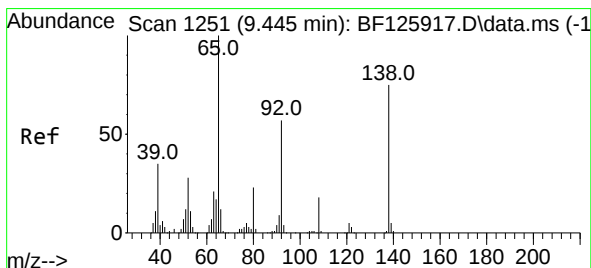
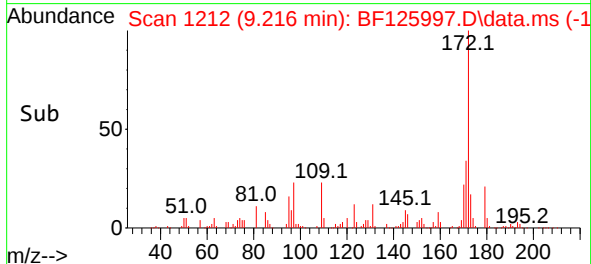
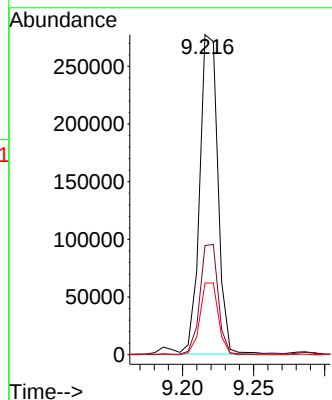
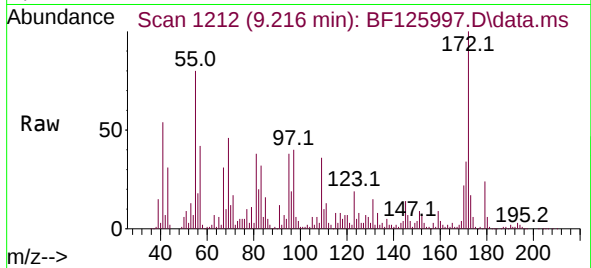




#45
2-Fluorobiphenyl
Concen: 16.237 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

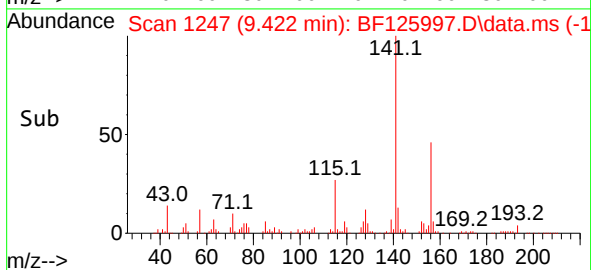
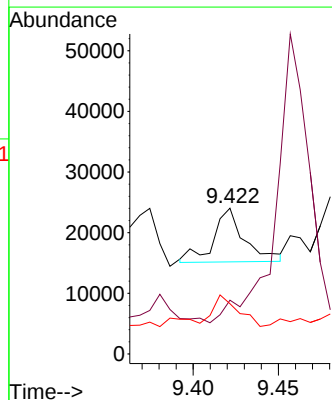
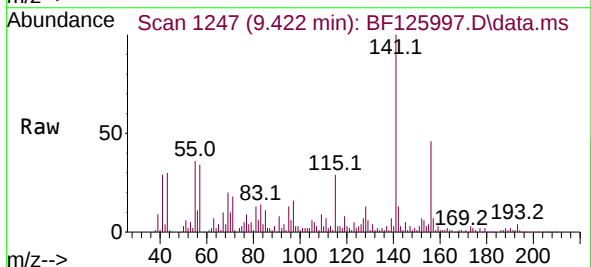
Instrument :
BNA_F
ClientSampleId :
SB-4DL

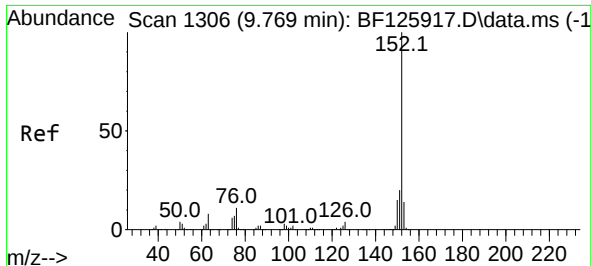
Tgt Ion:172	Resp:	246569
Ion Ratio	Lower	Upper
172	100	
171	34.1	26.5 39.7
170	22.4	18.8 28.2



#48
2-Nitroaniline
Concen: 2.113 ng
RT: 9.422 min Scan# 1247
Delta R.T. -0.018 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

Tgt Ion: 65	Resp:	11193
Ion Ratio	Lower	Upper
65	100	
92	36.8	55.5 83.3#
138	34.5	93.5 140.3#





#49

Acenaphthylene

Concen: 2.107 ng

RT: 9.763 min Scan# 1305

Delta R.T. -0.000 min

Lab File: BF125997.D

Acq: 28 Oct 2021 19:33

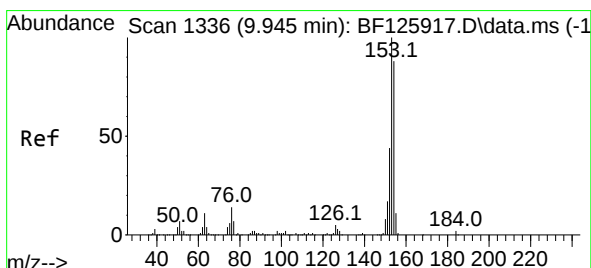
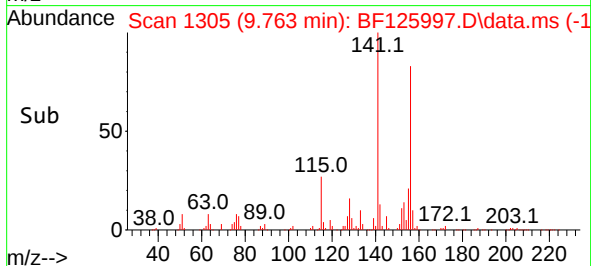
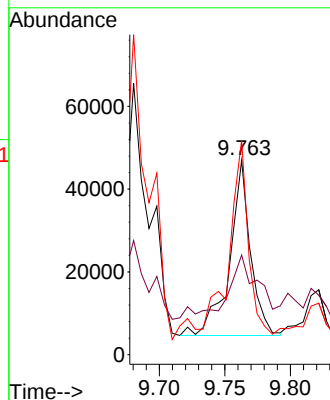
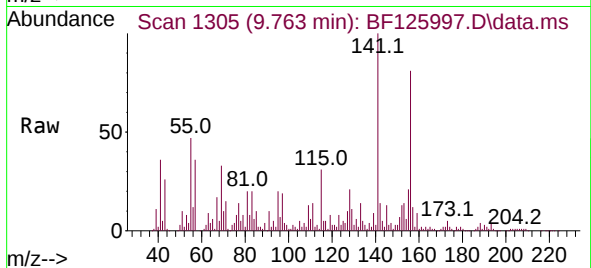
Tgt Ion:	152	Resp:	47191
Ion Ratio	Lower	Upper	
152	100		
151	51.3	15.7	23.5#
153	110.4	9.8	14.8#

Instrument :

BNA_F

ClientSampleId :

SB-4DL



#52

Acenaphthene

Concen: 5.520 ng

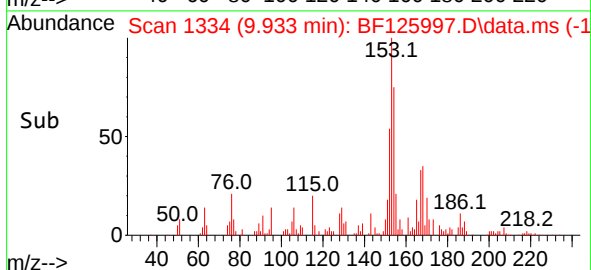
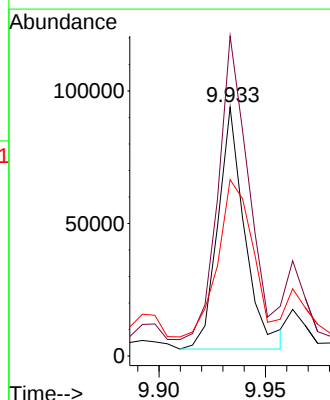
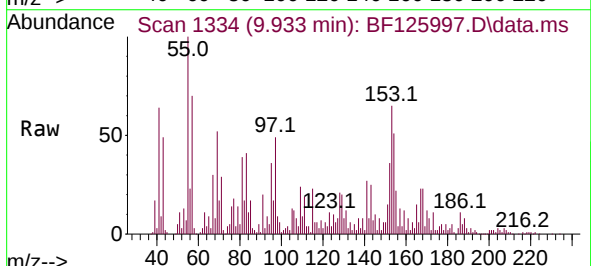
RT: 9.933 min Scan# 1334

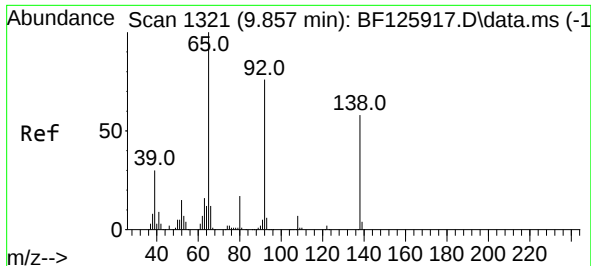
Delta R.T. -0.000 min

Lab File: BF125997.D

Acq: 28 Oct 2021 19:33

Tgt Ion:	154	Resp:	80357
Ion Ratio	Lower	Upper	
154	100		
153	128.7	89.4	134.2
152	70.9	40.5	60.7#

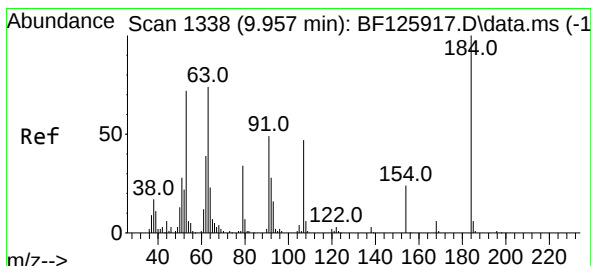
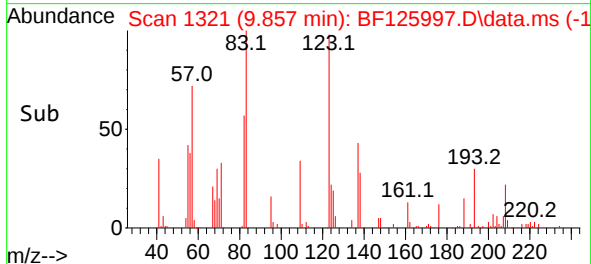
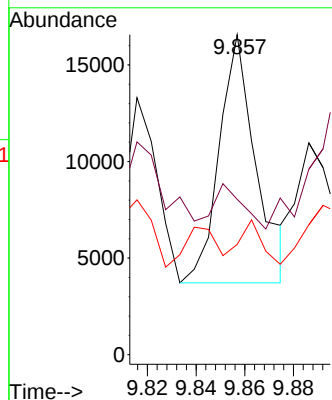
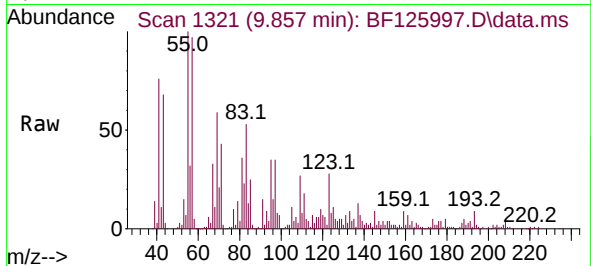




#53
3-Nitroaniline
Concen: 3.580 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.012 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

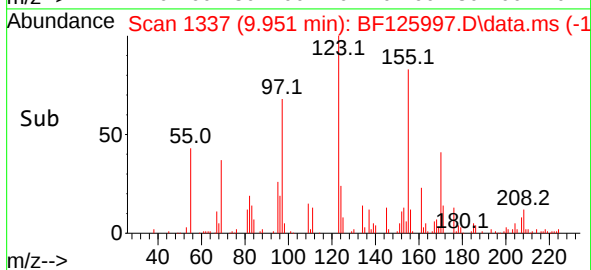
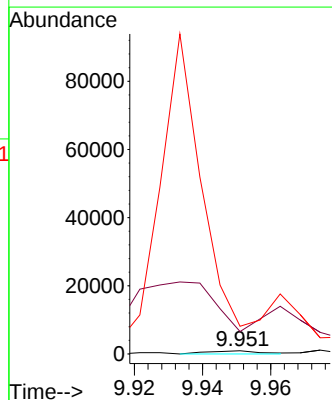
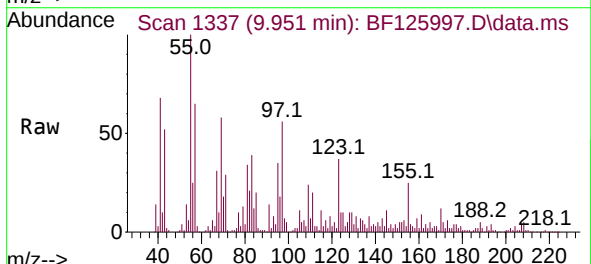
Instrument :
BNA_F
ClientSampled :
SB-4DL

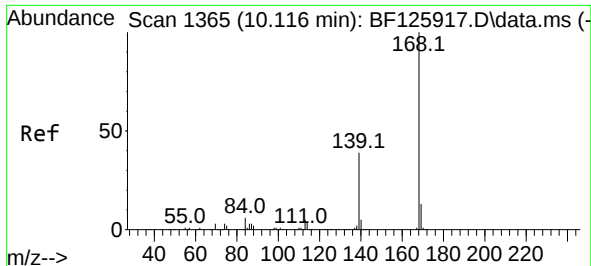
Tgt Ion:138 Resp: 13465
Ion Ratio Lower Upper
138 100
108 48.6 9.3 13.9#
92 34.4 76.5 114.7#



#54
2,4-Dinitrophenol
Concen: 7.784 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

Tgt Ion:184 Resp: 1000
Ion Ratio Lower Upper
184 100
63 714.5 59.3 88.9#
154 878.9 68.6 102.8#

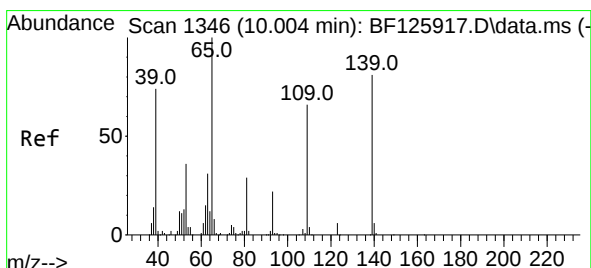
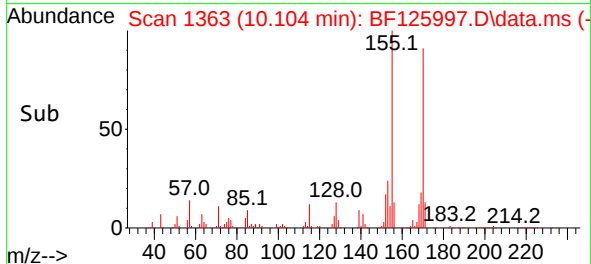
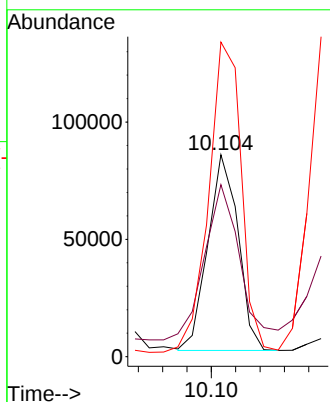
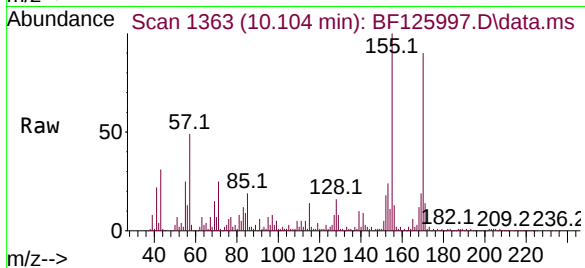




#55
Dibenzofuran
Concen: 3.309 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.000 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

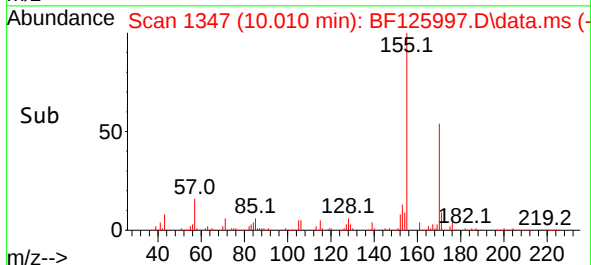
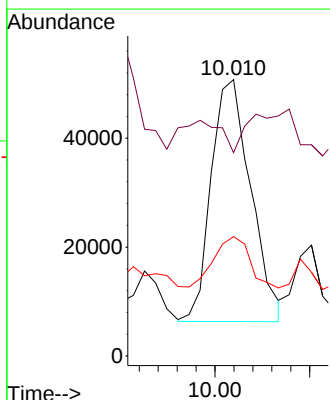
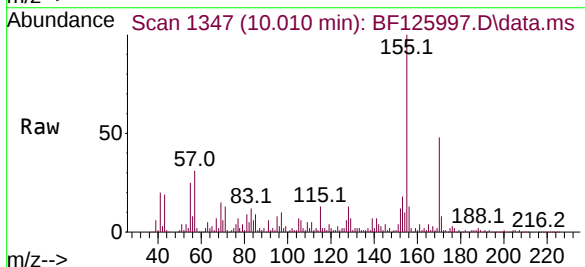
Instrument :
BNA_F
ClientSampled :
SB-4DL

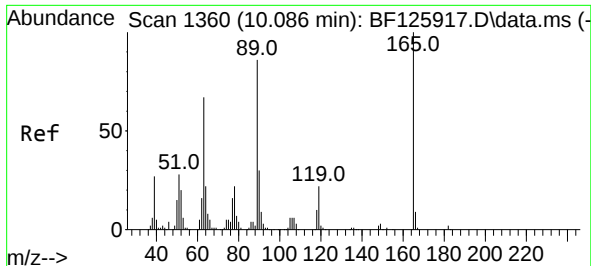
Tgt Ion:168 Resp: 71950
Ion Ratio Lower Upper
168 100
139 85.2 32.7 49.1#
169 155.8 11.2 16.8#



#56
4-Nitrophenol
Concen: 22.079 ng
RT: 10.010 min Scan# 1347
Delta R.T. 0.012 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

Tgt Ion:139 Resp: 64536
Ion Ratio Lower Upper
139 100
109 73.5 60.4 100.4
65 43.2 58.4 98.4#

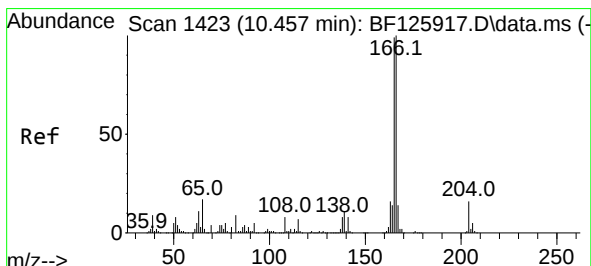
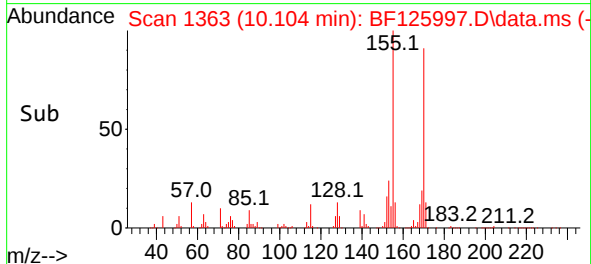
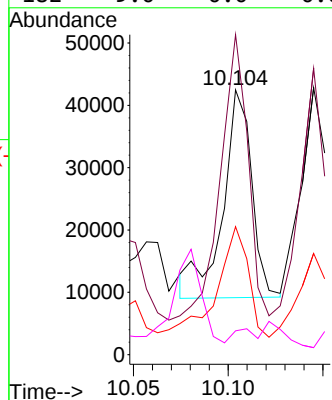
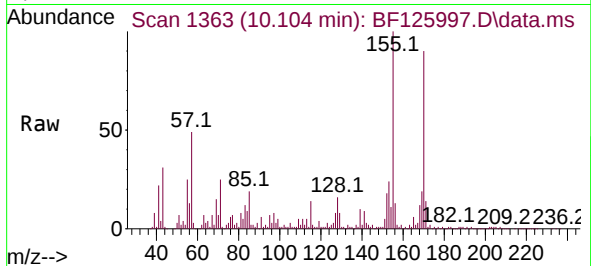




#57
2,4-Dinitrotoluene
Concen: 8.781 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.023 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

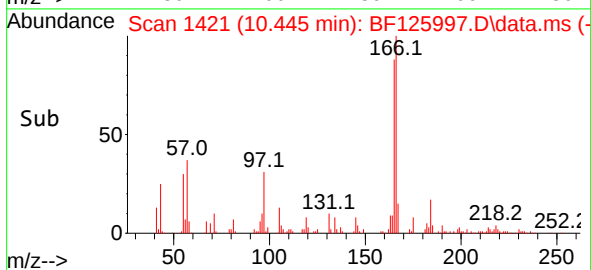
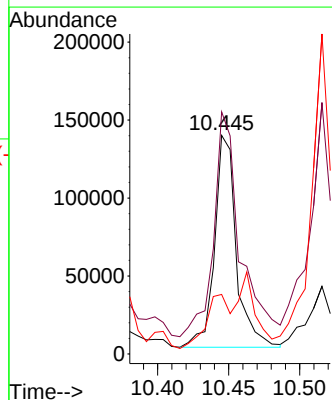
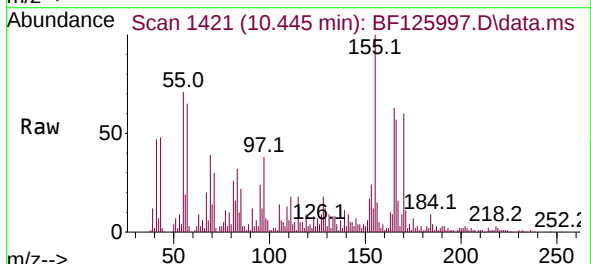
Instrument :
BNA_F
ClientSampleId :
SB-4DL

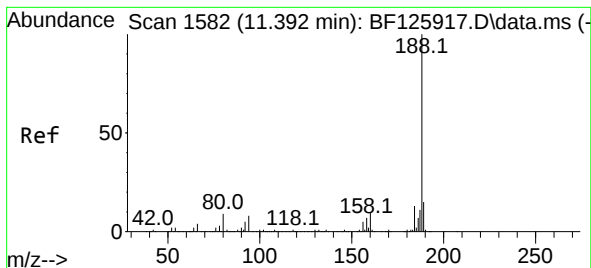
Tgt Ion:165 Resp: 35388
Ion Ratio Lower Upper
165 100
63 120.8 40.9 61.3#
89 48.3 59.7 89.5#
182 9.0 0.0 0.0#



#58
Fluorene
Concen: 6.708 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

Tgt Ion:166 Resp: 144449
Ion Ratio Lower Upper
166 100
165 110.7 78.1 117.1
167 27.2 11.1 16.7#

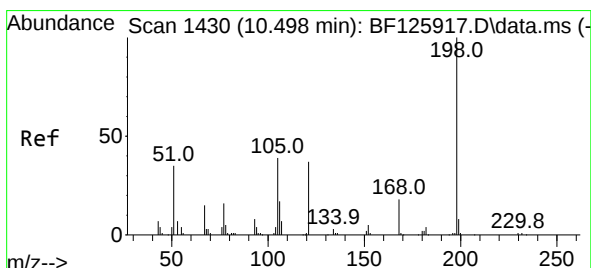
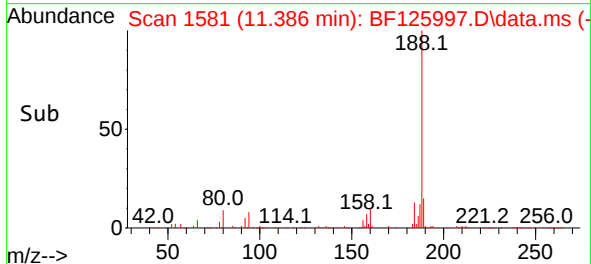
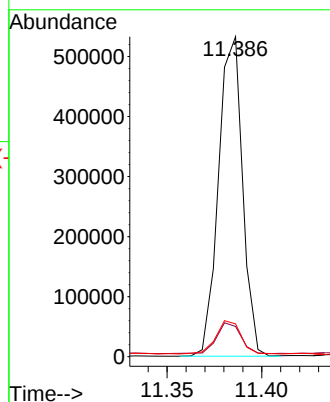
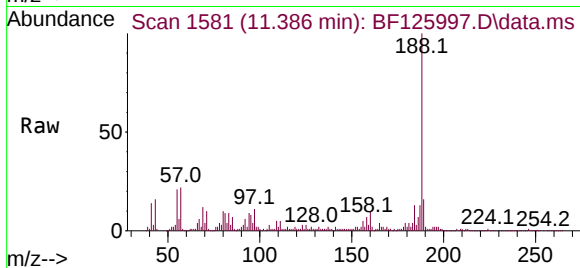




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

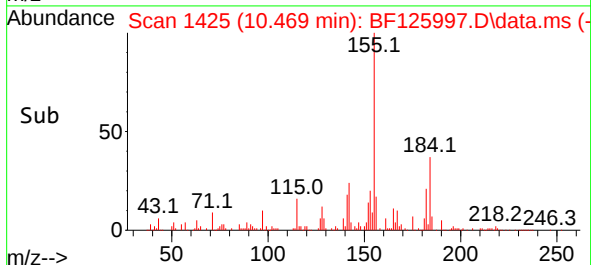
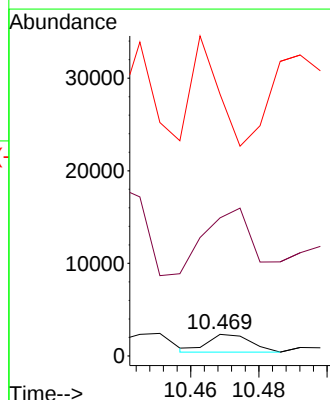
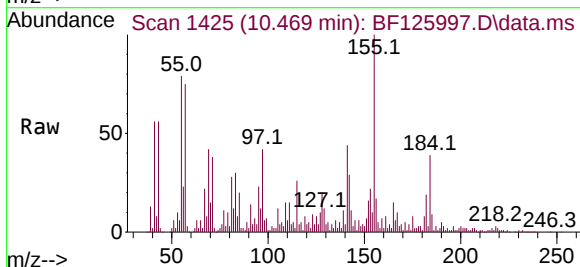
Instrument :
BNA_F
ClientSampleId :
SB-4DL

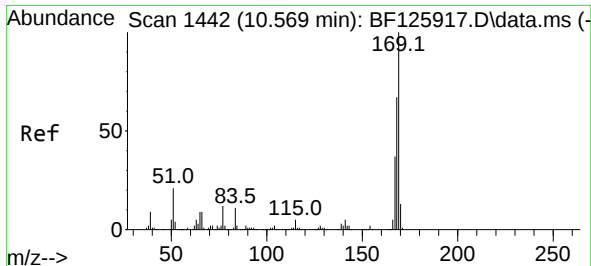
Tgt Ion:188 Resp: 470444
Ion Ratio Lower Upper
188 100
94 9.4 6.7 10.1
80 10.2 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 6.777 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.018 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

Tgt Ion:198 Resp: 1683
Ion Ratio Lower Upper
198 100
51 638.1 45.3 85.3#
105 1209.2 30.6 70.6#

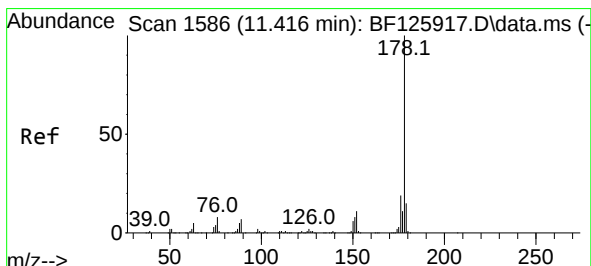
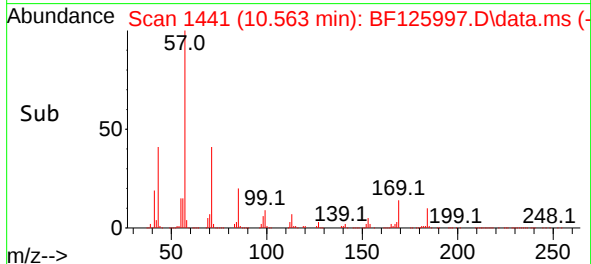
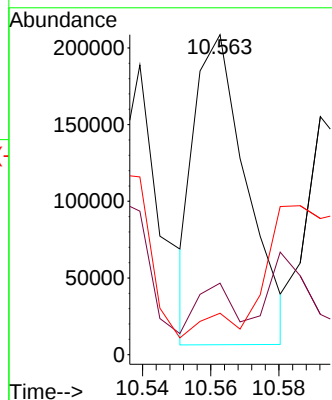
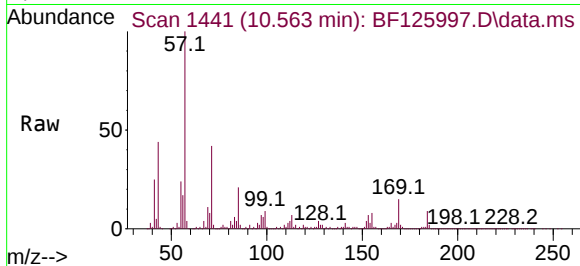




#66
n-Nitrosodiphenylamine
Concen: 15.174 ng
RT: 10.563 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

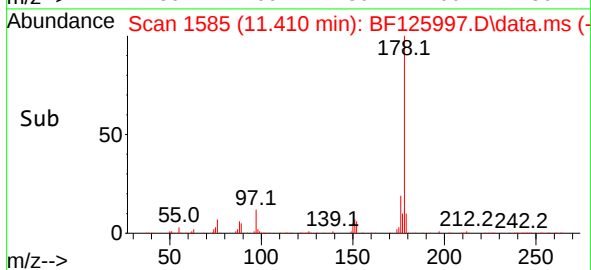
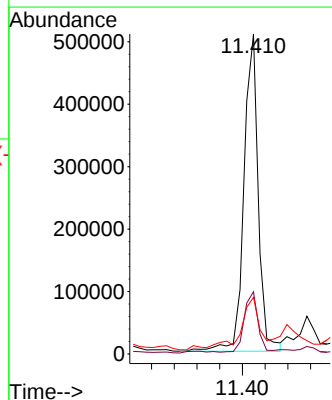
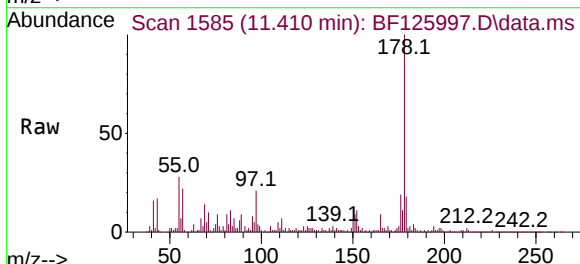
Instrument :
BNA_F
ClientSampleId :
SB-4DL

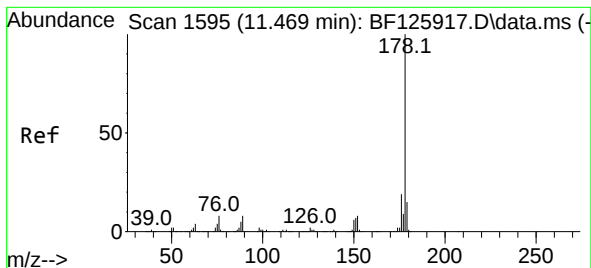
Tgt Ion:169 Resp: 213816
Ion Ratio Lower Upper
169 100
168 22.3 50.8 76.2#
167 12.9 28.8 43.2#



#71
Phenanthrene
Concen: 18.205 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

Tgt Ion:178 Resp: 444406
Ion Ratio Lower Upper
178 100
176 19.5 14.7 22.1
179 17.7 11.5 17.3#





#72

Anthracene

Concen: 18.234 ng

RT: 11.410 min Scan# 1585

Delta R.T. -0.047 min

Lab File: BF125997.D

Acq: 28 Oct 2021 19:33

Instrument :

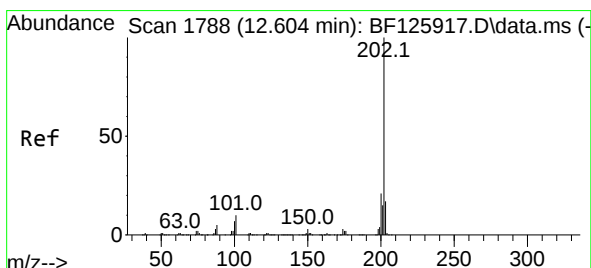
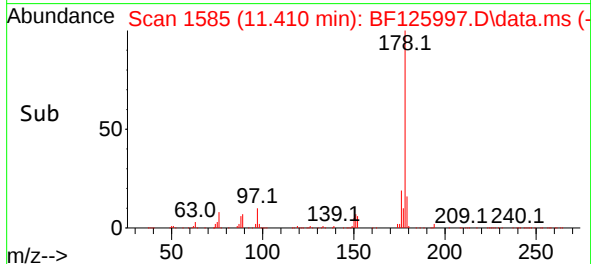
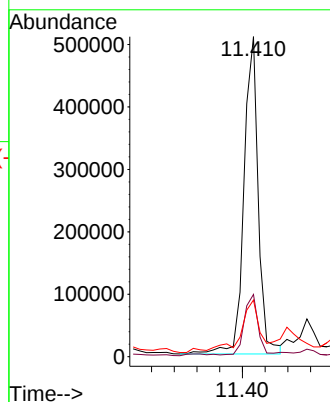
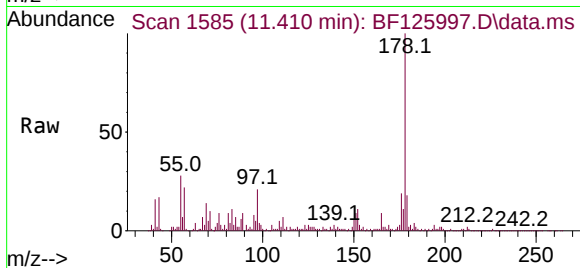
BNA_F

ClientSampleId :

SB-4DL

Tgt Ion:178 Resp: 444406

Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.3	21.5
179	17.7	12.2	18.4



#75

Fluoranthene

Concen: 3.092 ng

RT: 12.592 min Scan# 1786

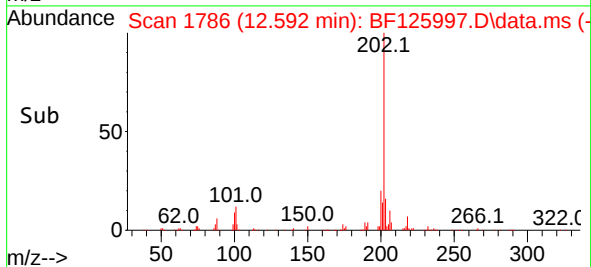
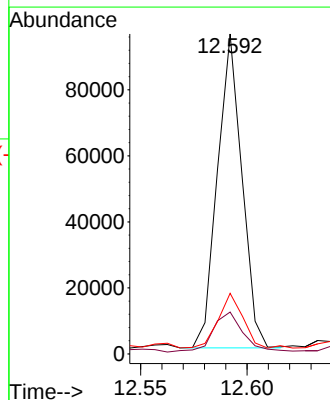
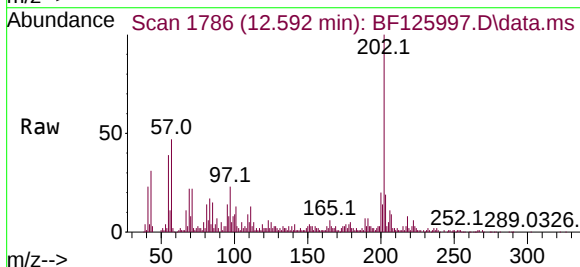
Delta R.T. -0.000 min

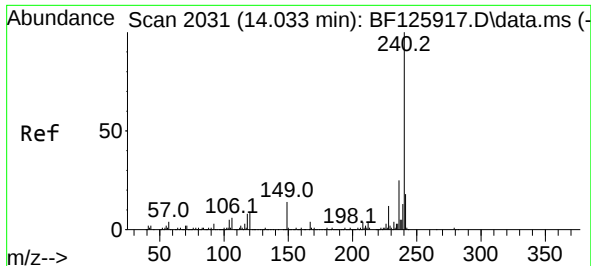
Lab File: BF125997.D

Acq: 28 Oct 2021 19:33

Tgt Ion:202 Resp: 76099

Ion	Ratio	Lower	Upper
202	100		
101	16.2	0.0	30.7
203	19.0	0.0	36.3

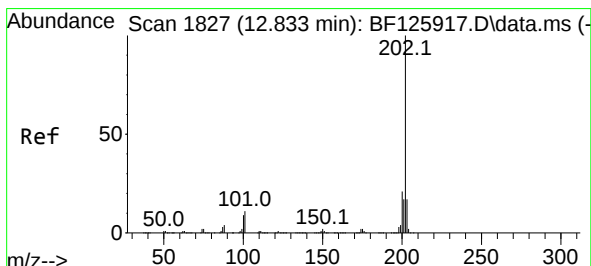
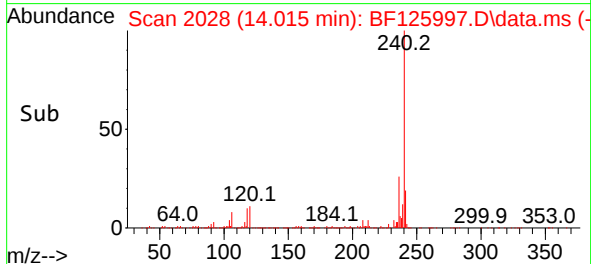
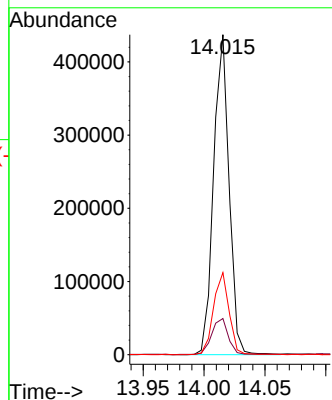
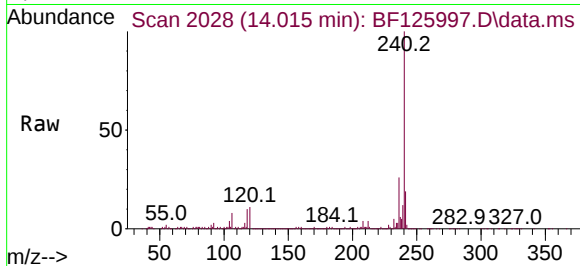




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

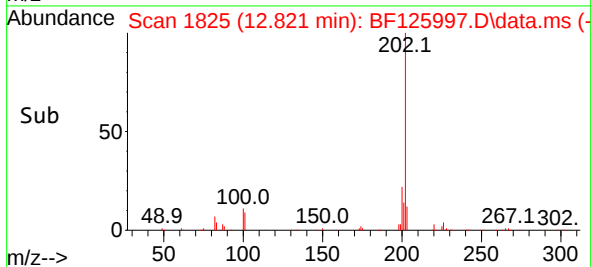
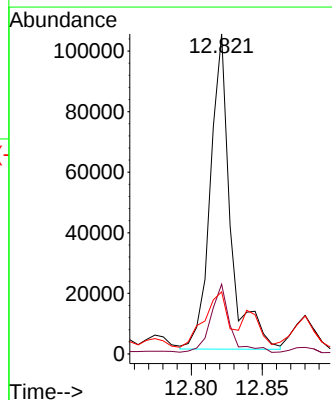
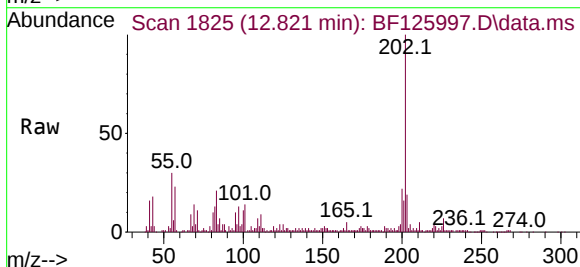
Instrument :
BNA_F
ClientSampleId :
SB-4DL

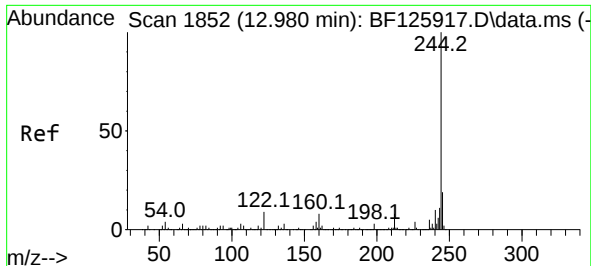
Tgt Ion:240 Resp: 387184
Ion Ratio Lower Upper
240 100
120 11.3 10.8 16.2
236 25.7 21.6 32.4



#78
Pyrene
Concen: 2.863 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

Tgt Ion:202 Resp: 103158
Ion Ratio Lower Upper
202 100
200 21.8 15.3 22.9
203 19.4 13.4 20.0

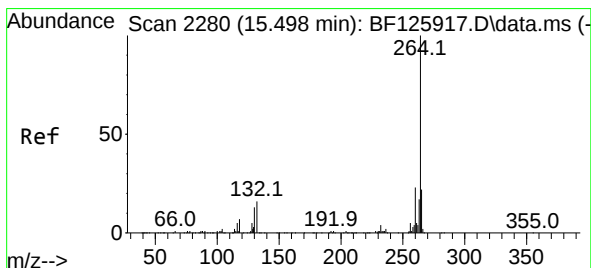
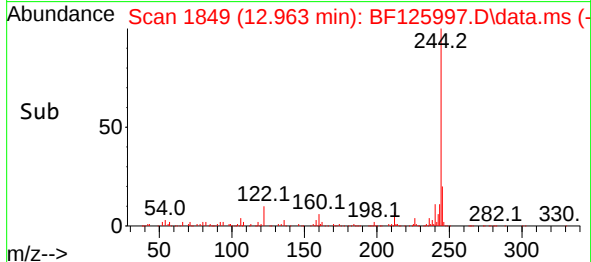
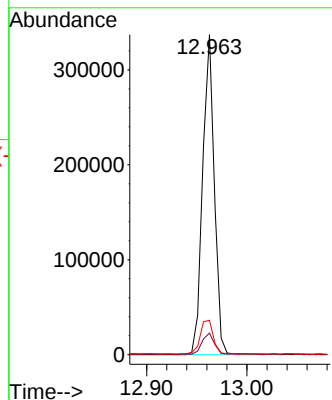
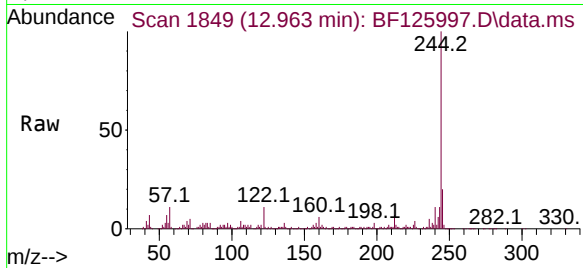




#79
 Terphenyl-d14
 Concen: 11.592 ng
 RT: 12.963 min Scan# 1849
 Delta R.T. -0.006 min
 Lab File: BF125997.D
 Acq: 28 Oct 2021 19:33

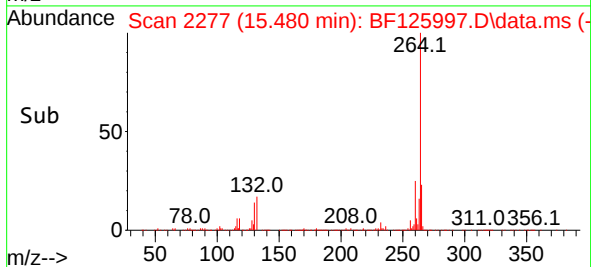
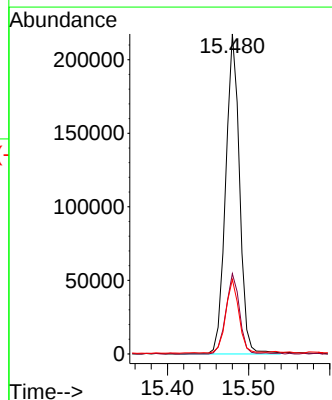
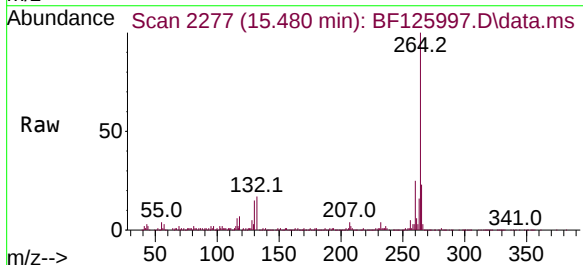
Instrument :
 BNA_F
 ClientSampleId :
 SB-4DL

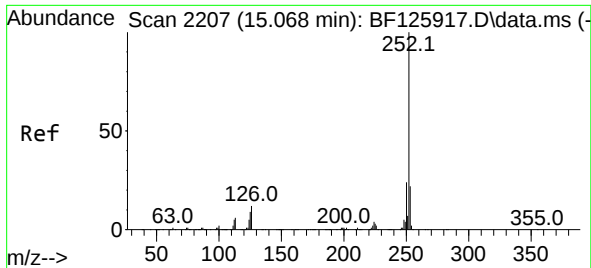
Tgt Ion:244 Resp: 274376
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 10.7 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.480 min Scan# 2277
 Delta R.T. -0.000 min
 Lab File: BF125997.D
 Acq: 28 Oct 2021 19:33

Tgt Ion:264 Resp: 258998
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.6 29.4
 265 23.3 17.2 25.8

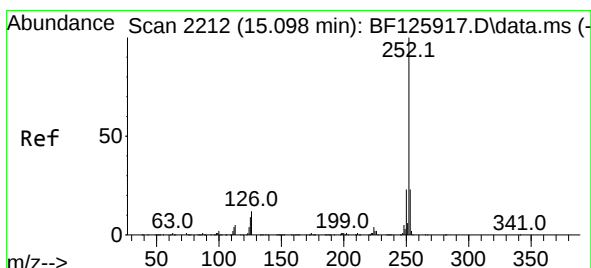
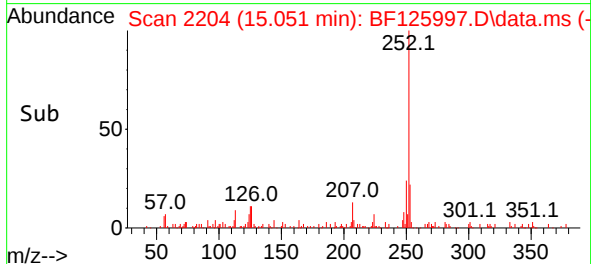
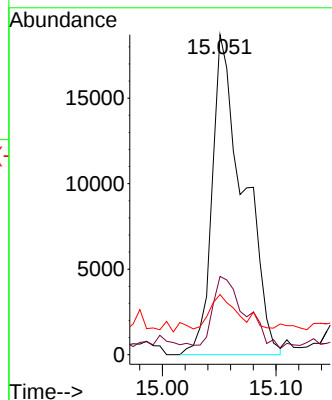
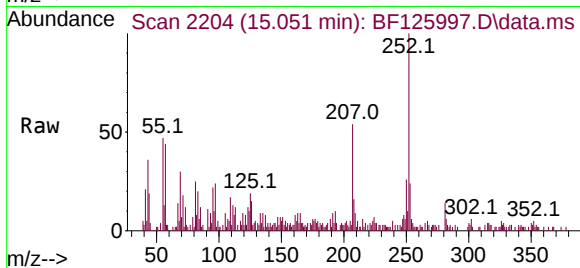




#88
Benzo(b)fluoranthene
Concen: 2.106 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.006 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

Instrument :
BNA_F
ClientSampled :
SB-4DL

Tgt Ion:252 Resp: 36010
Ion Ratio Lower Upper
252 100
253 24.4 16.8 25.2
125 18.8 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 2.193 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.035 min
Lab File: BF125997.D
Acq: 28 Oct 2021 19:33

Tgt Ion:252 Resp: 36010
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 18.8 7.2 10.8#

