

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082021\
 Data File : BF125132.D
 Acq On : 20 Aug 2021 13:40
 Operator : JU/CG
 Sample : M3447-01 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-081721

Quant Time: Aug 20 14:03:23 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 18 17:03:50 2021
 Response via : Initial Calibration

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

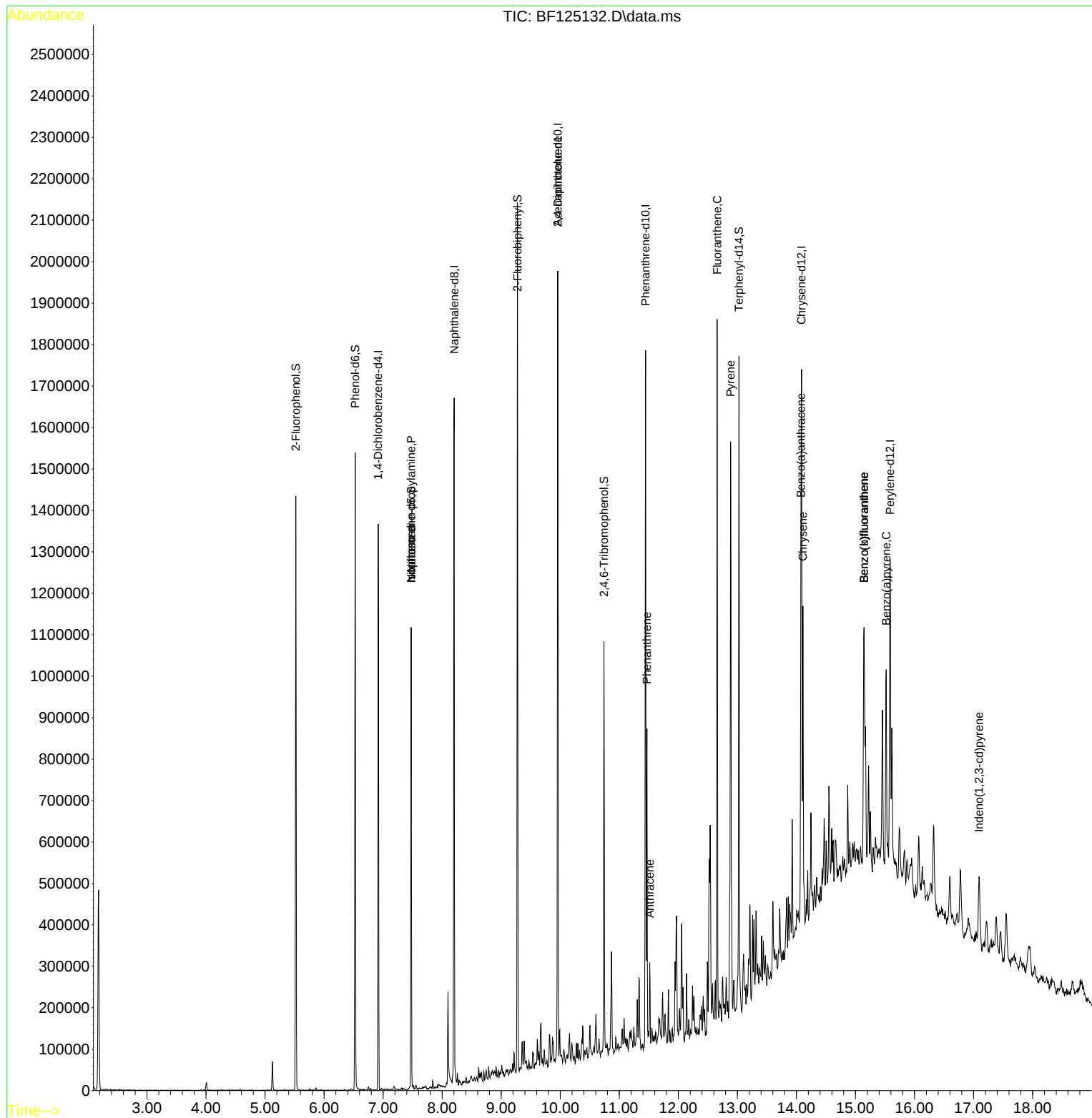
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	182778	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	693011	20.000	ng	# 0.00
39) Acenaphthene-d10	9.957	164	358381	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	581890	20.000	ng	0.00
76) Chrysene-d12	14.086	240	392403	20.000	ng	# 0.00
86) Perylene-d12	15.586	264	346830	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	330444	27.364	ng	-0.01
7) Phenol-d6	6.528	99	414137	26.517	ng	-0.01
23) Nitrobenzene-d5	7.475	82	276156	20.061	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	101936	28.494	ng	-0.01
45) 2-Fluorobiphenyl	9.274	172	544602	21.179	ng	0.00
79) Terphenyl-d14	13.027	244	475547	19.306	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	37878	4.032	ng	# 60
25) Isophorone	7.475	82	275528	10.376	ng	# 59
57) 2,4-Dinitrotoluene	9.957	165	45179	6.932	ng	# 20
71) Phenanthrene	11.468	178	268174	8.364	ng	99
72) Anthracene	11.515	178	69655	2.204	ng	98
75) Fluoranthene	12.657	202	612673	19.258	ng	98
78) Pyrene	12.886	202	570929	16.961	ng	95
81) Benzo(a)anthracene	14.074	228	303053	10.719	ng	96
83) Chrysene	14.109	228	275968	9.870	ng	95
87) Indeno(1,2,3-cd)pyrene	17.092	276	121581	4.866	ng	# 88
88) Benzo(b)fluoranthene	15.145	252	499799	19.725	ng	96
89) Benzo(k)fluoranthene	15.145	252	499799	21.138	ng	99
90) Benzo(a)pyrene	15.521	252	254091	11.352	ng	96

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

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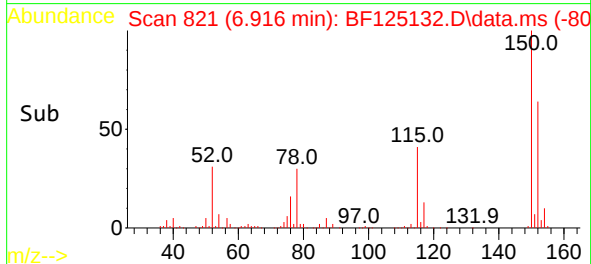
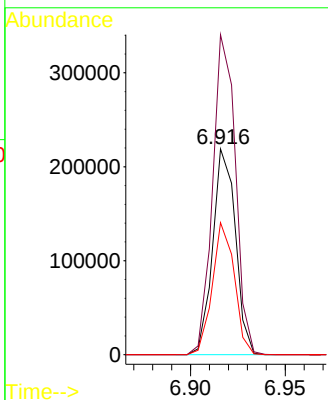
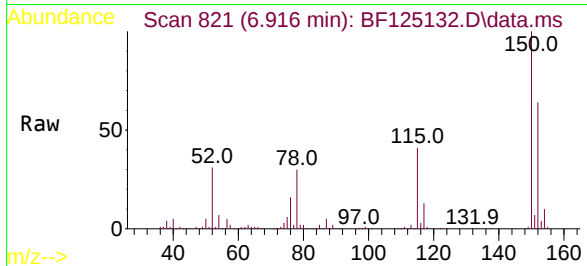




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 821
Delta R.T. -0.006 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

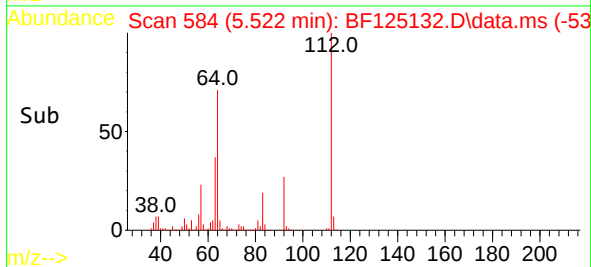
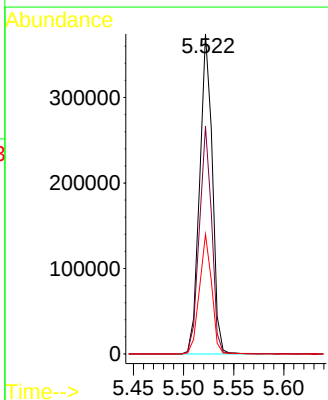
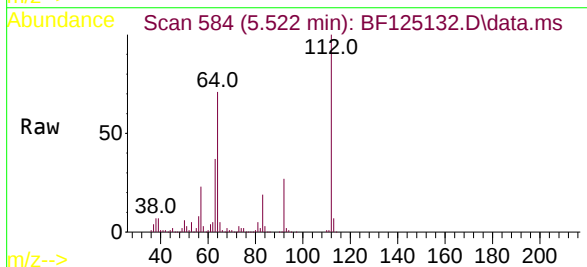
Instrument :
BNA_F
ClientSampleId :
TR-05-081721

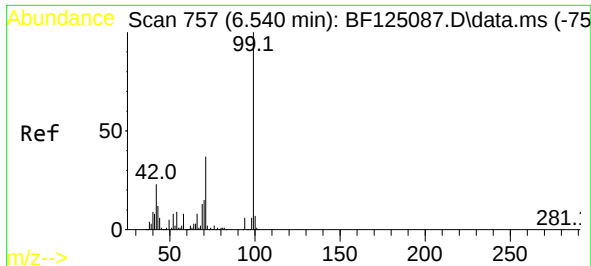
Tgt Ion:152 Resp: 182778
Ion Ratio Lower Upper
152 100
150 155.5 117.6 176.4
115 64.2 47.1 70.7



#5
2-Fluorophenol
Concen: 27.364 ng
RT: 5.522 min Scan# 584
Delta R.T. -0.012 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

Tgt Ion:112 Resp: 330444
Ion Ratio Lower Upper
112 100
64 71.2 44.2 66.2#
63 37.4 26.2 39.2

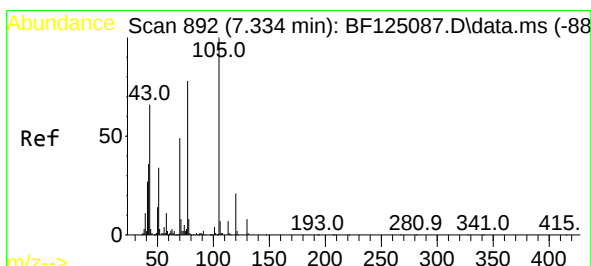
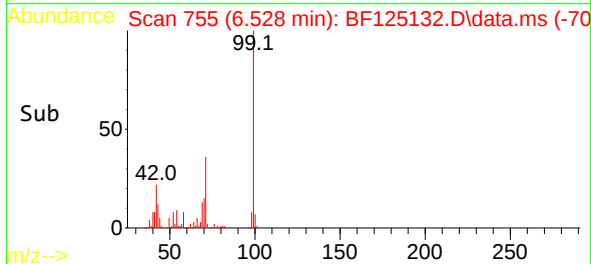
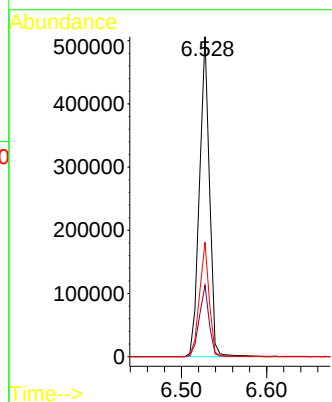
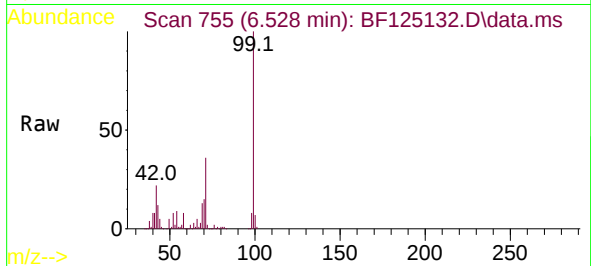




#7
Phenol-d6
Concen: 26.517 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

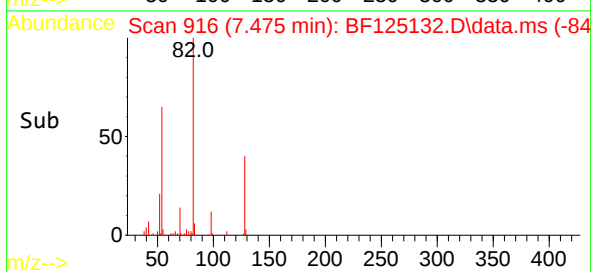
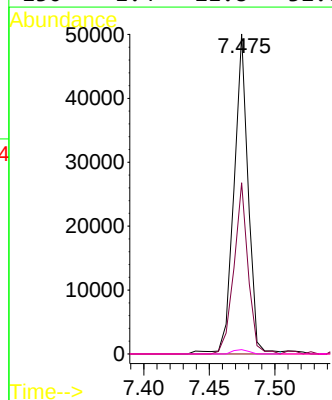
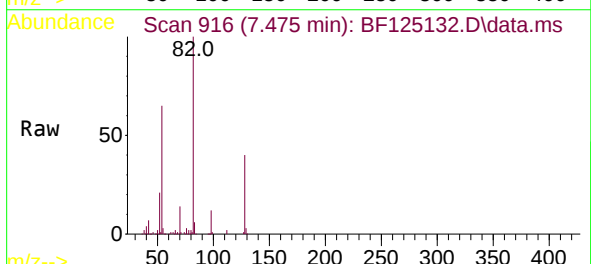
Instrument :
BNA_F
ClientSampleId :
TR-05-081721

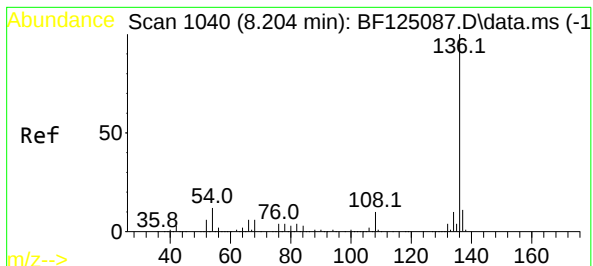
Tgt Ion: 99 Resp: 414137
Ion Ratio Lower Upper
99 100
42 22.4 23.5 35.3#
71 35.7 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.032 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.141 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

Tgt Ion: 70 Resp: 37878
Ion Ratio Lower Upper
70 100
42 53.5 72.2 108.2#
101 0.0 7.8 11.8#
130 1.4 21.8 32.6#

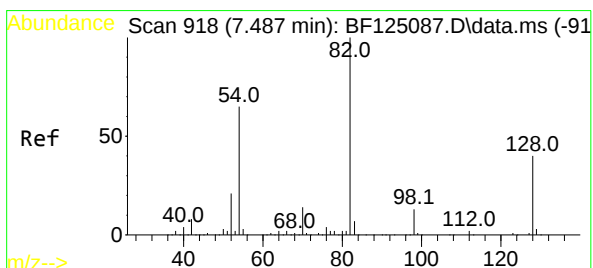
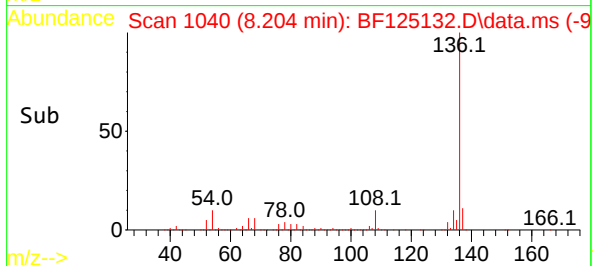
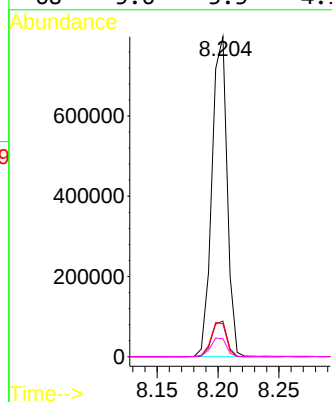
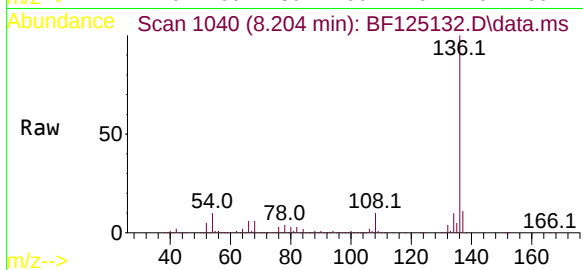




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

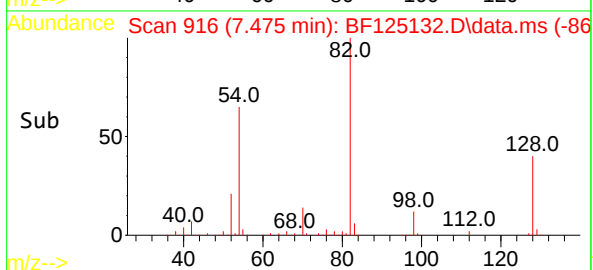
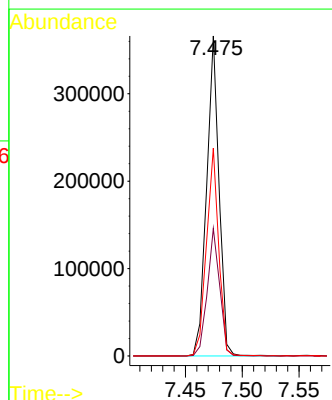
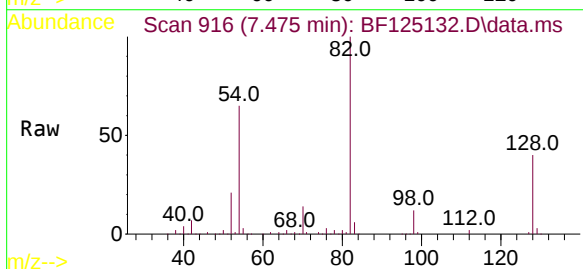
Instrument :
BNA_F
ClientSampleId :
TR-05-081721

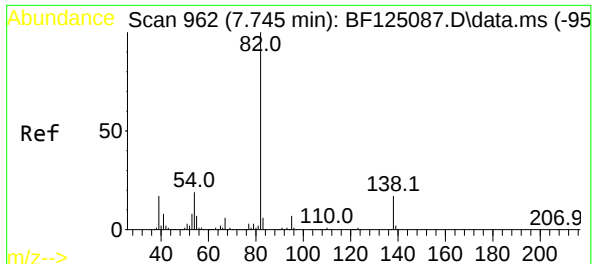
Tgt Ion:	136	Resp:	693011
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.6
54	10.2	6.4	9.6#
68	5.6	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 20.061 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.012 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

Tgt Ion:	82	Resp:	276156
Ion	Ratio	Lower	Upper
82	100		
128	39.9	40.6	60.8#
54	64.9	49.6	74.4

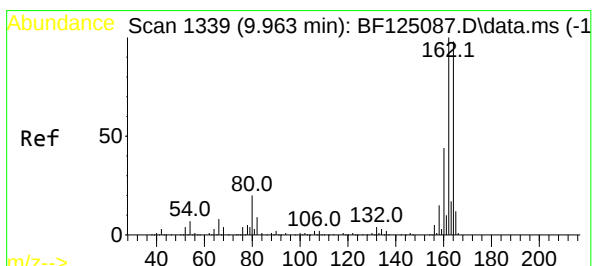
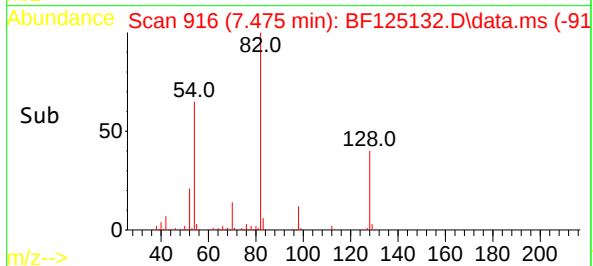
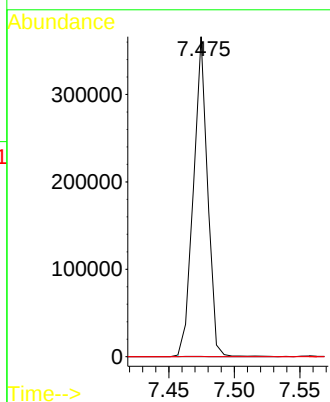
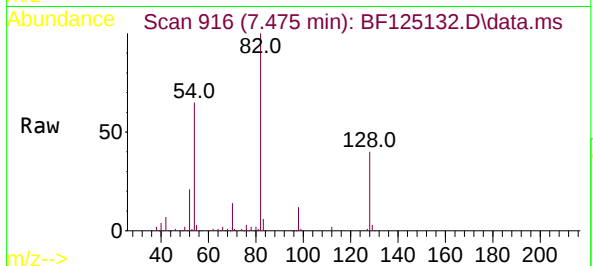




#25
Isophorone
Concen: 10.376 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.271 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

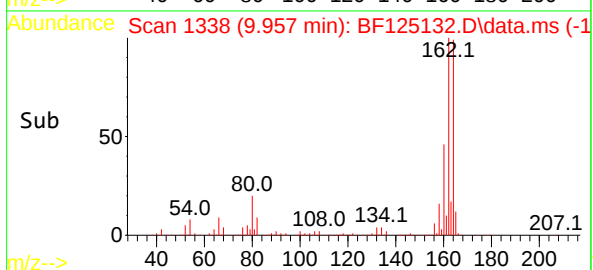
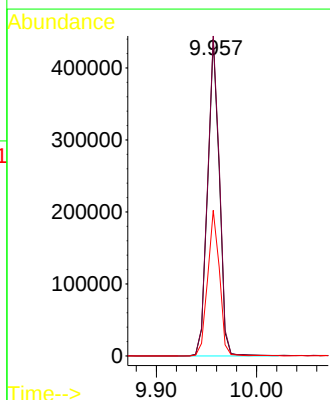
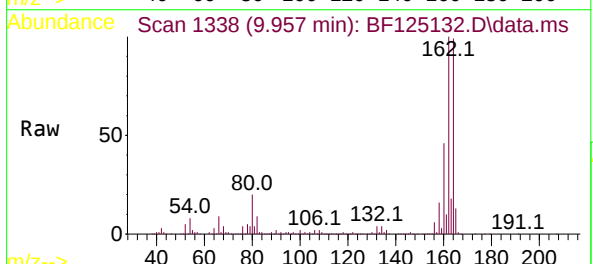
Instrument :
BNA_F
ClientSampleId :
TR-05-081721

Tgt Ion: 82 Resp: 275528
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

Tgt Ion: 164 Resp: 358381
Ion Ratio Lower Upper
164 100
162 101.0 81.3 121.9
160 46.0 38.0 57.0

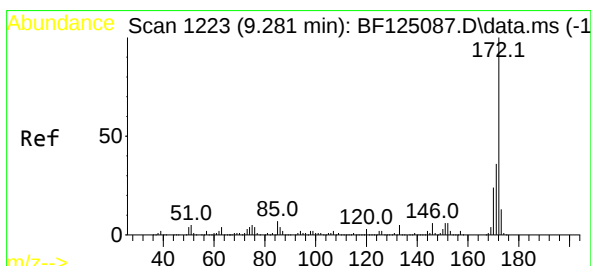
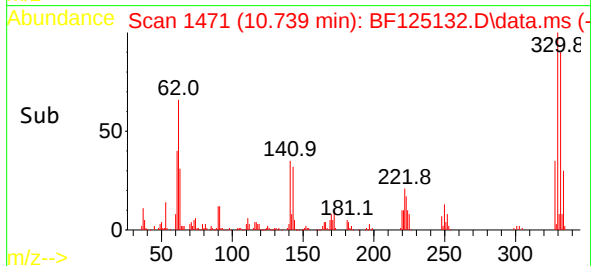
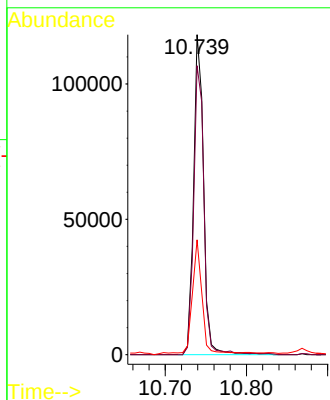
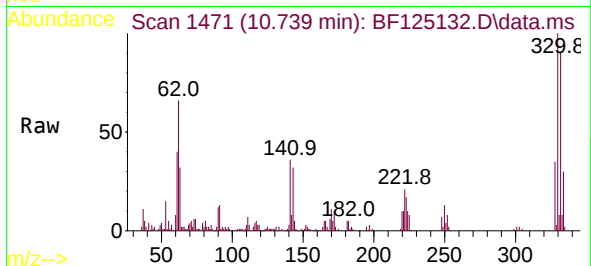




#42
2,4,6-Tribromophenol
Concen: 28.494 ng
RT: 10.739 min Scan# 1471
Delta R.T. -0.012 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

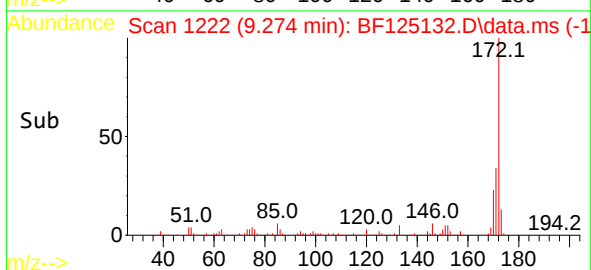
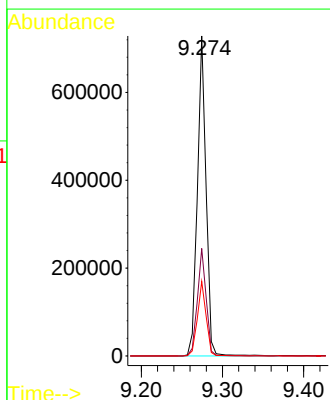
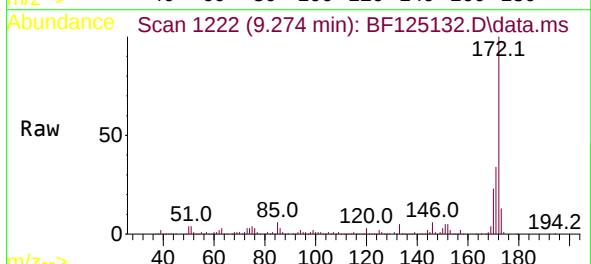
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ClientSampleId :
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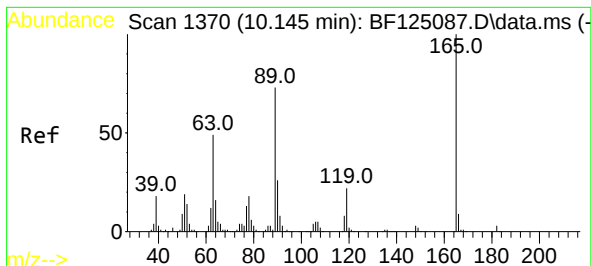
Tgt Ion: 330 Resp: 101936
Ion Ratio Lower Upper
330 100
332 93.1 76.2 114.4
141 36.3 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 21.179 ng
RT: 9.274 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

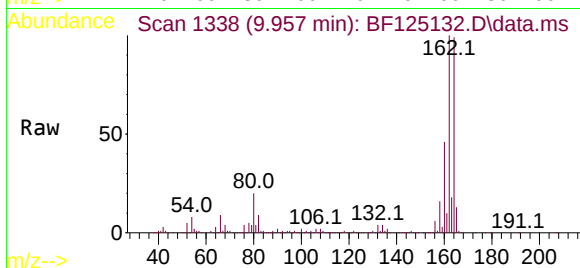
Tgt Ion: 172 Resp: 544602
Ion Ratio Lower Upper
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171 33.6 26.5 39.7
170 23.3 18.8 28.2



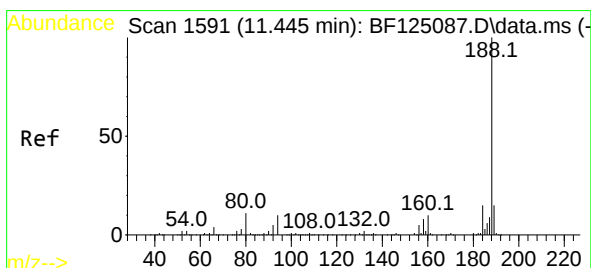
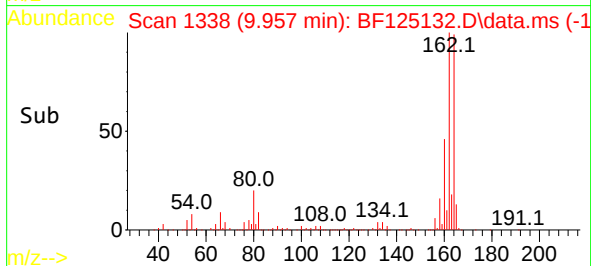
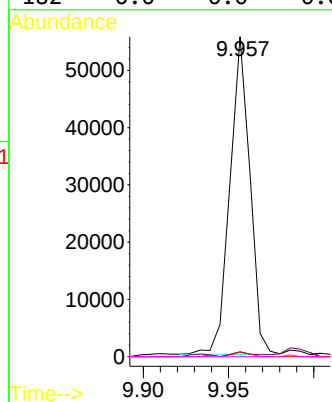


#57
2,4-Dinitrotoluene
Concen: 6.932 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.188 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

Instrument :
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ClientSampleId :
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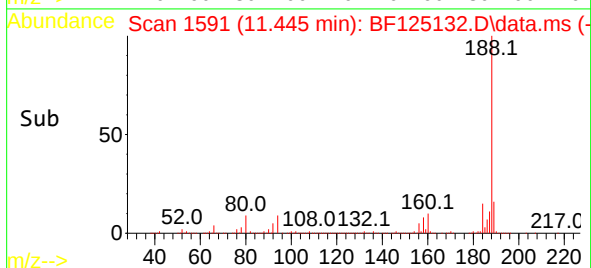
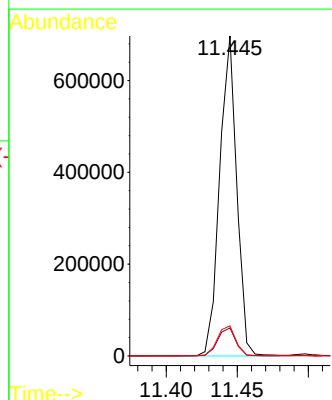
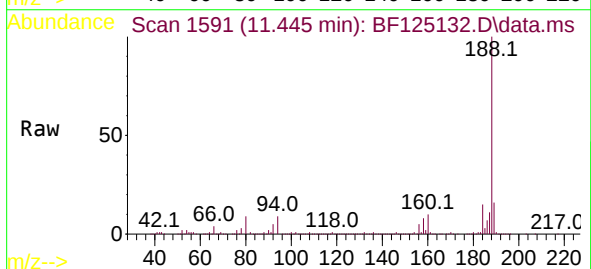


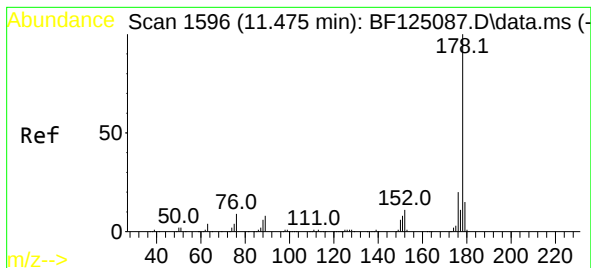
Tgt Ion:165 Resp: 45179
Ion Ratio Lower Upper
165 100
63 1.6 40.9 61.3#
89 1.4 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

Tgt Ion:188 Resp: 581890
Ion Ratio Lower Upper
188 100
94 8.7 6.7 10.1
80 9.4 7.5 11.3

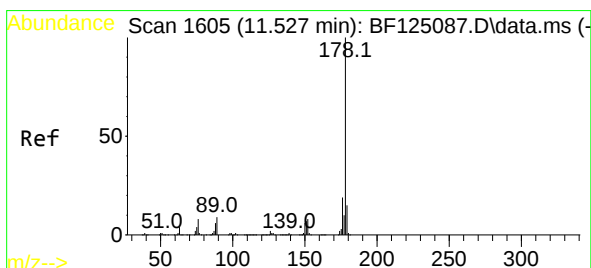
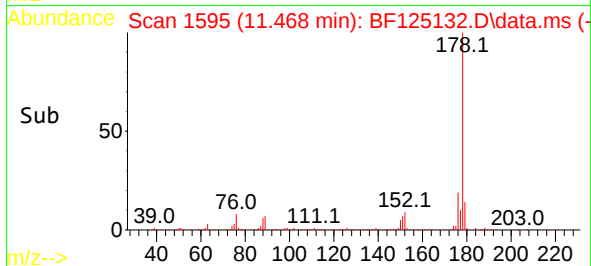
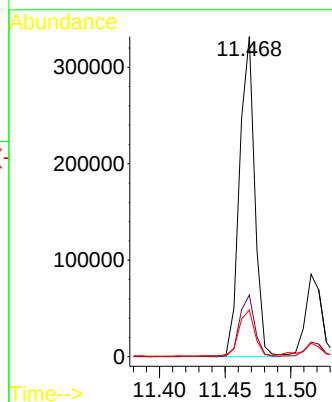
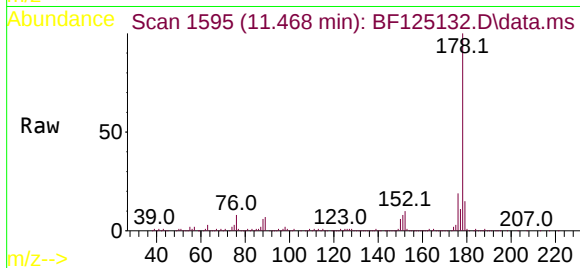




#71
Phenanthrene
Concen: 8.364 ng
RT: 11.468 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

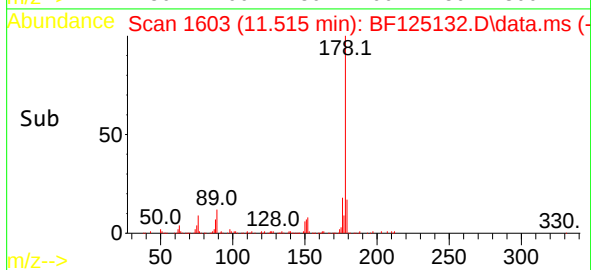
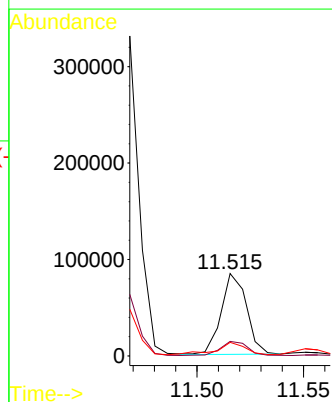
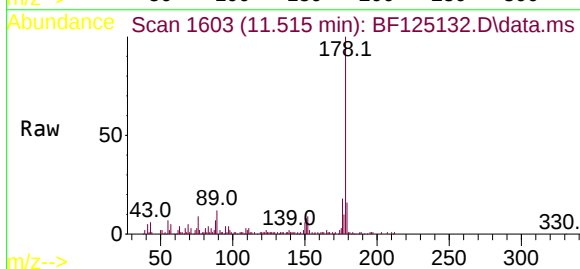
Instrument :
BNA_F
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TR-05-081721

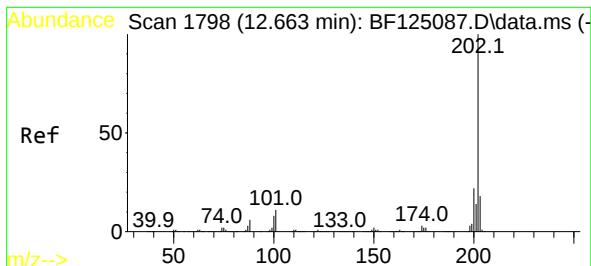
Tgt Ion:178 Resp: 268174
Ion Ratio Lower Upper
178 100
176 19.2 14.7 22.1
179 14.6 11.5 17.3



#72
Anthracene
Concen: 2.204 ng
RT: 11.515 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

Tgt Ion:178 Resp: 69655
Ion Ratio Lower Upper
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176 17.6 14.3 21.5
179 16.5 12.2 18.4

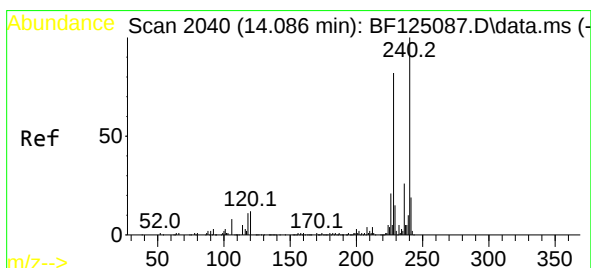
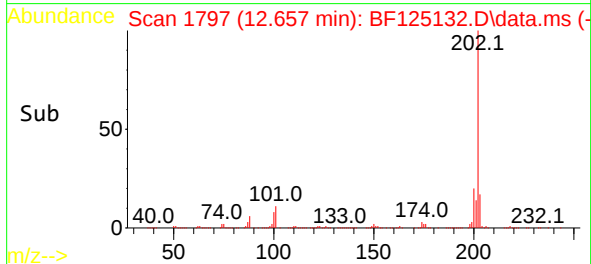
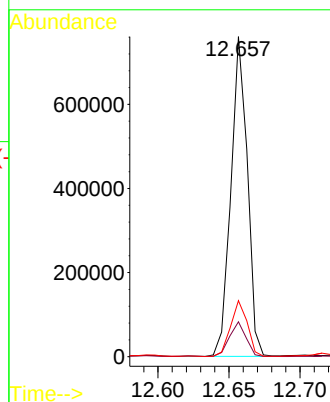
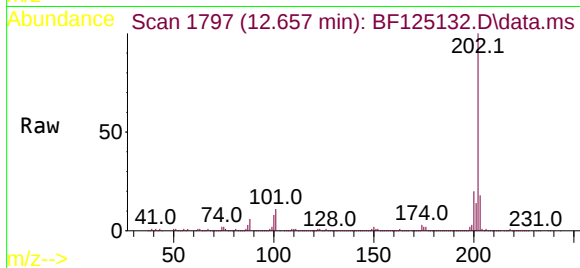




#75
Fluoranthene
Concen: 19.258 ng
RT: 12.657 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

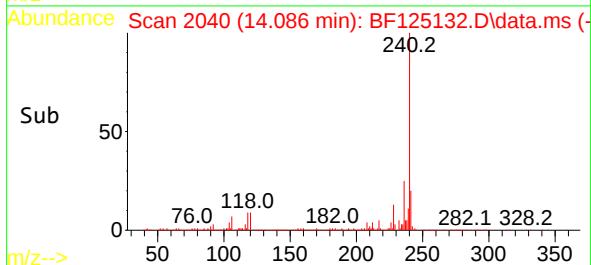
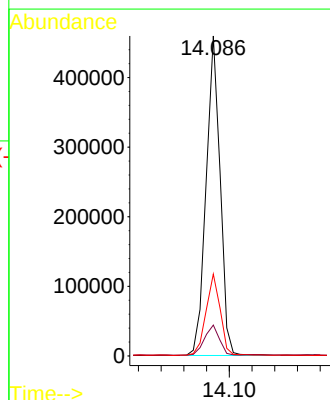
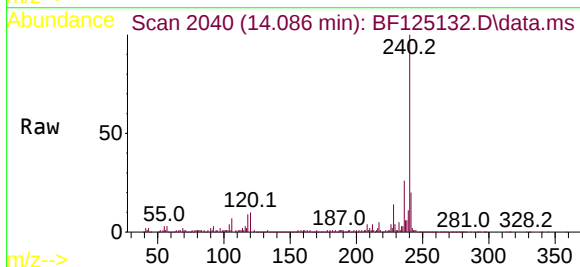
Instrument :
BNA_F
ClientSampleId :
TR-05-081721

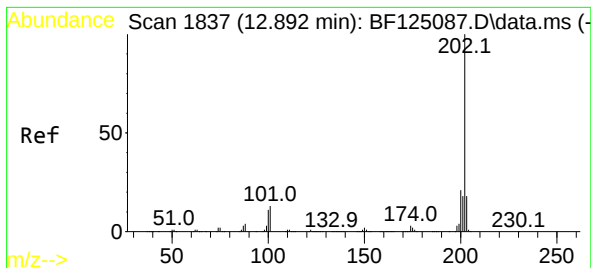
Tgt Ion:202 Resp: 612673
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.7
203 17.5 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.000 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

Tgt Ion:240 Resp: 392403
Ion Ratio Lower Upper
240 100
120 9.6 10.8 16.2#
236 25.6 21.6 32.4





#78

Pyrene

Concen: 16.961 ng

RT: 12.886 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF125132.D

Acq: 20 Aug 2021 13:40

Tgt Ion:202 Resp: 570929

Ion Ratio Lower Upper

202 100

200 21.3 15.3 22.9

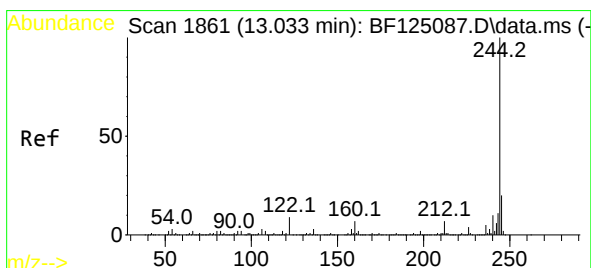
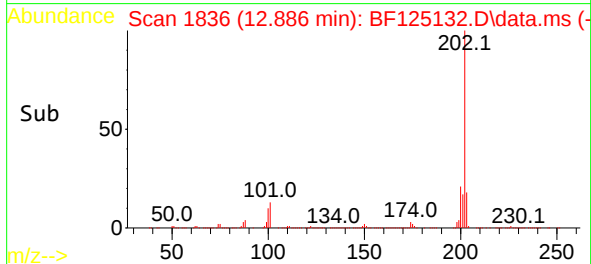
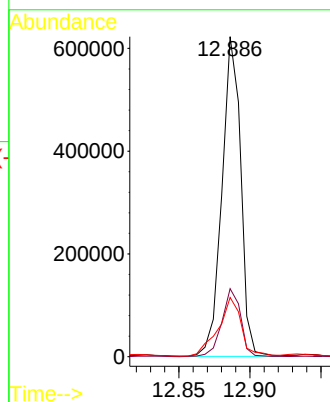
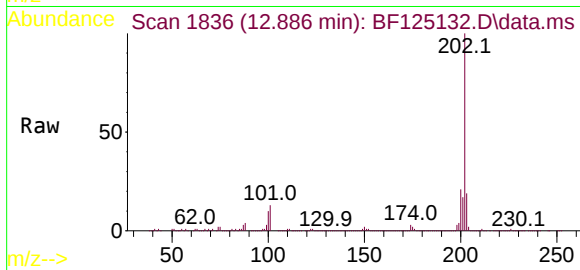
203 18.5 13.4 20.0

Instrument :

BNA_F

ClientSampleId :

TR-05-081721



#79

Terphenyl-d14

Concen: 19.306 ng

RT: 13.027 min Scan# 1860

Delta R.T. -0.006 min

Lab File: BF125132.D

Acq: 20 Aug 2021 13:40

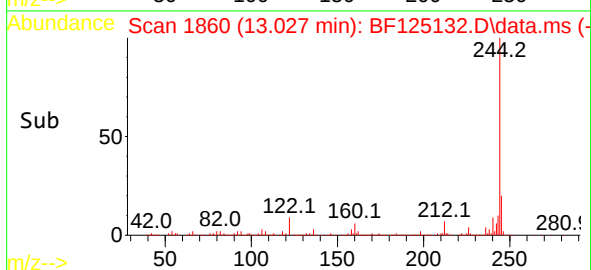
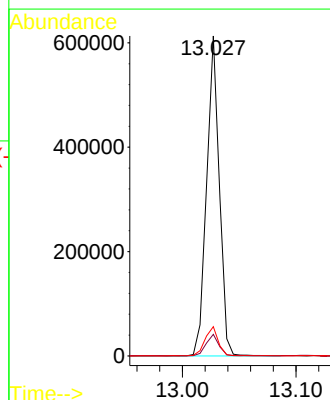
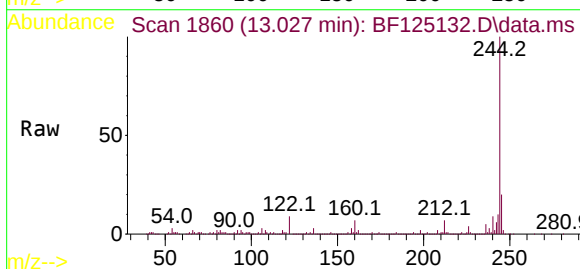
Tgt Ion:244 Resp: 475547

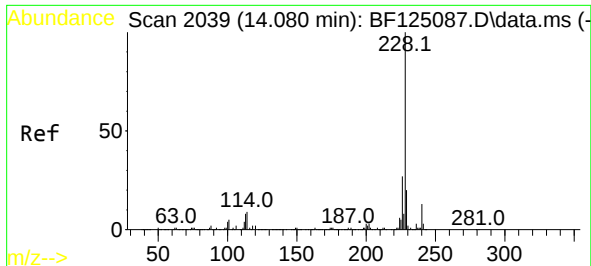
Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 9.2 9.0 13.4

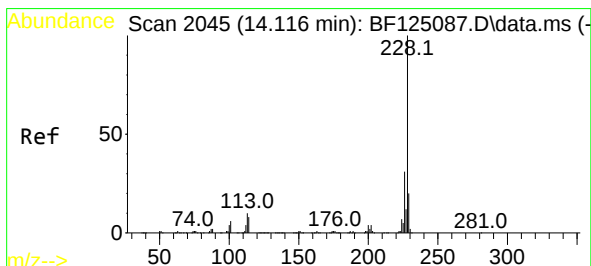
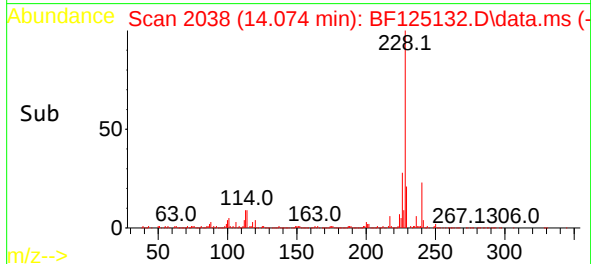
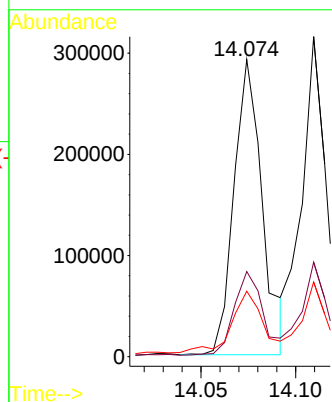
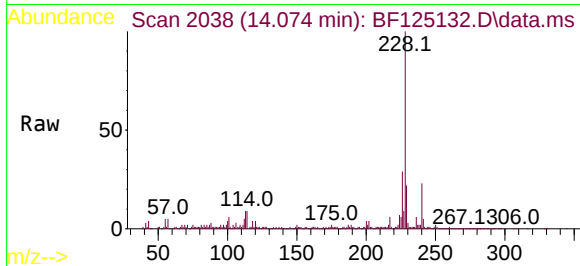




#81
Benzo(a)anthracene
Concen: 10.719 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

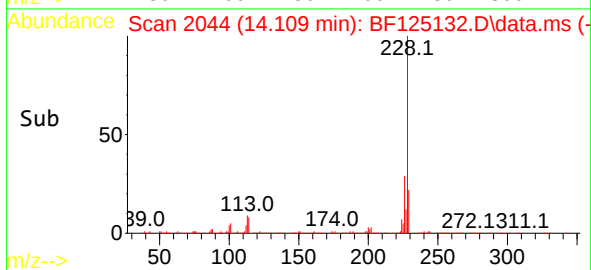
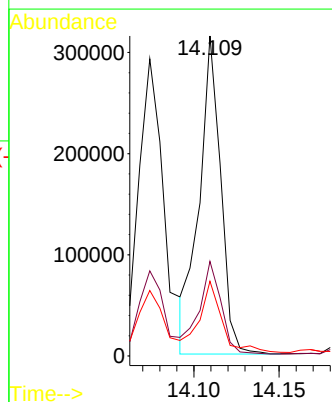
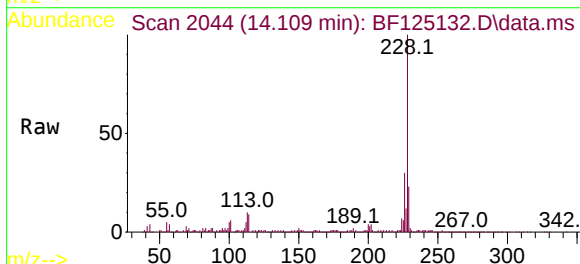
Instrument :
BNA_F
ClientSampleId :
TR-05-081721

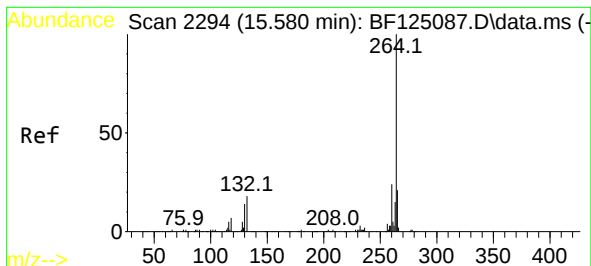
Tgt Ion:228 Resp: 303053
Ion Ratio Lower Upper
228 100
226 28.7 21.6 32.4
229 22.0 15.6 23.4



#83
Chrysene
Concen: 9.870 ng
RT: 14.109 min Scan# 2044
Delta R.T. -0.006 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

Tgt Ion:228 Resp: 275968
Ion Ratio Lower Upper
228 100
226 29.6 22.6 34.0
229 23.4 15.9 23.9

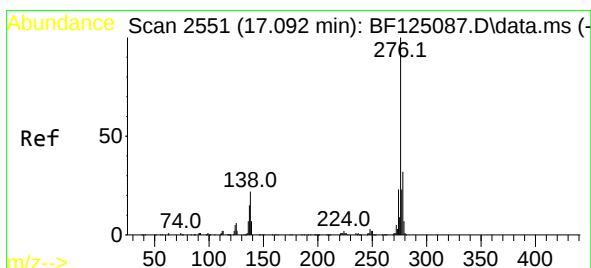
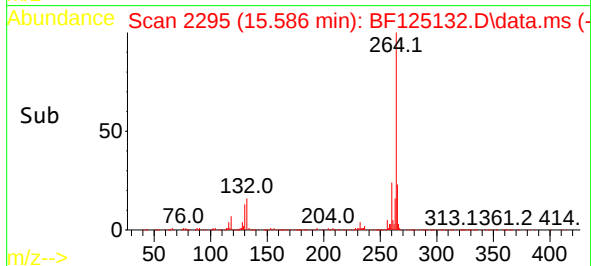
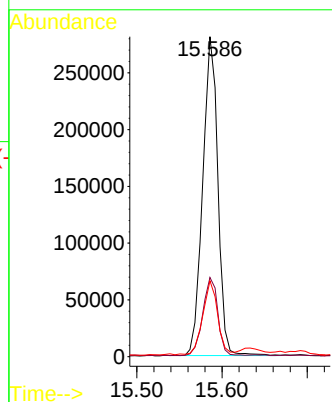
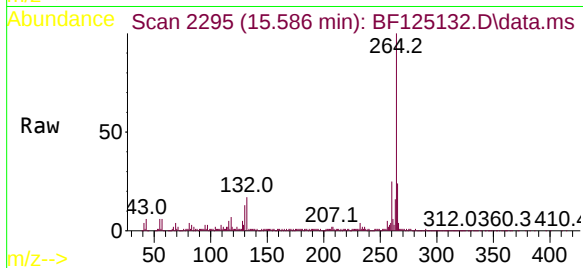




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2295
Delta R.T. 0.006 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

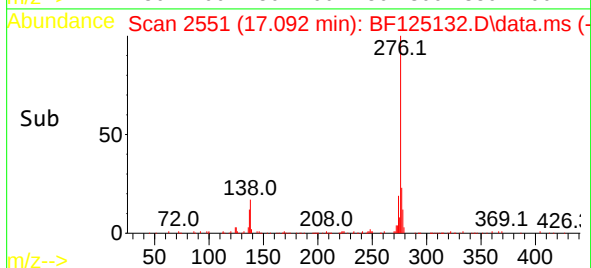
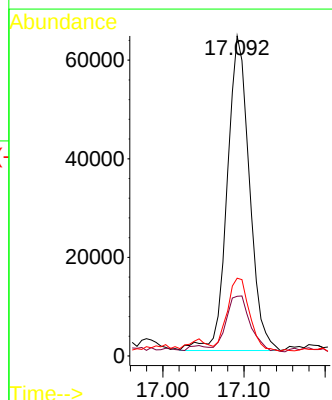
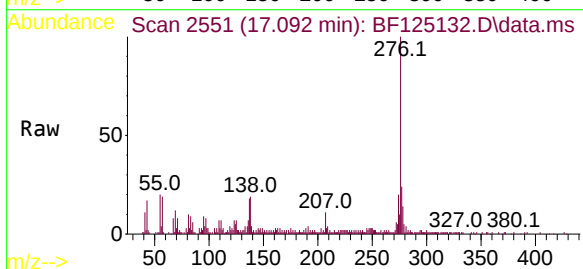
Instrument :
BNA_F
ClientSampleId :
TR-05-081721

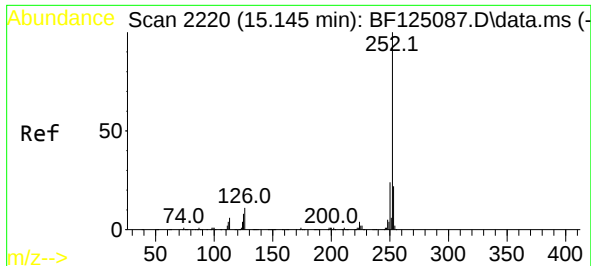
Tgt Ion:264 Resp: 346830
Ion Ratio Lower Upper
264 100
260 24.8 19.6 29.4
265 23.7 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.866 ng
RT: 17.092 min Scan# 2551
Delta R.T. -0.000 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

Tgt Ion:276 Resp: 121581
Ion Ratio Lower Upper
276 100
138 19.2 24.1 36.1#
277 23.2 18.8 28.2

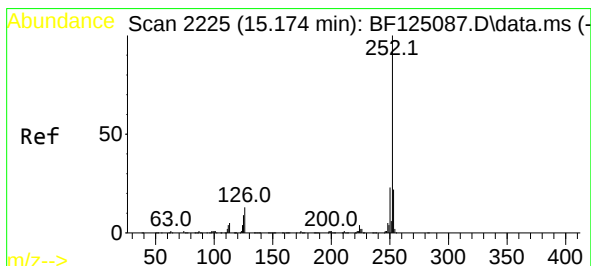
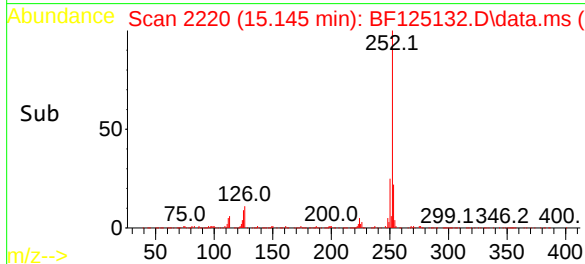
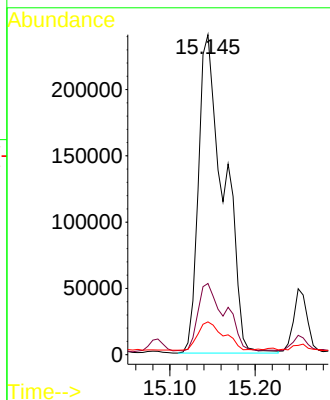
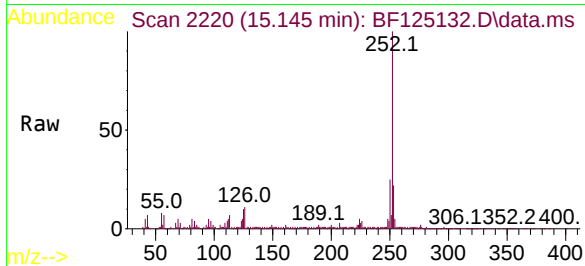




#88
Benzo(b)fluoranthene
Concen: 19.725 ng
RT: 15.145 min Scan# 2220
Delta R.T. -0.000 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

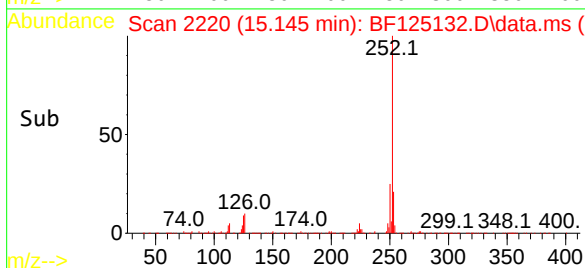
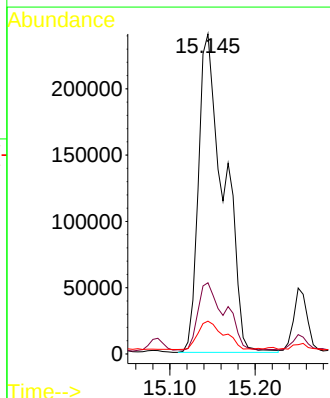
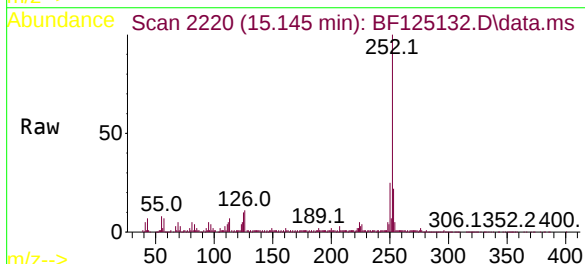
Instrument :
BNA_F
ClientSampleId :
TR-05-081721

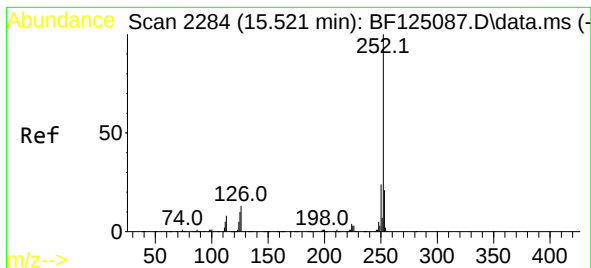
Tgt Ion:252 Resp: 499799
Ion Ratio Lower Upper
252 100
253 22.3 16.8 25.2
125 10.3 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 21.138 ng
RT: 15.145 min Scan# 2220
Delta R.T. -0.030 min
Lab File: BF125132.D
Acq: 20 Aug 2021 13:40

Tgt Ion:252 Resp: 499799
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 10.3 7.2 10.8





#90

Benzo(a)pyrene

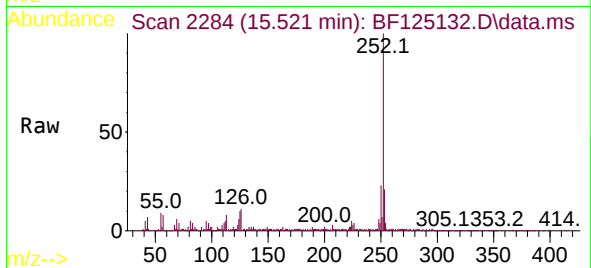
Concen: 11.352 ng

RT: 15.521 min Scan# 2284

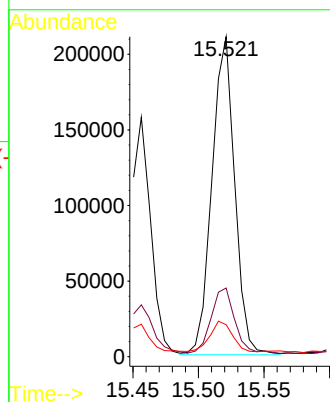
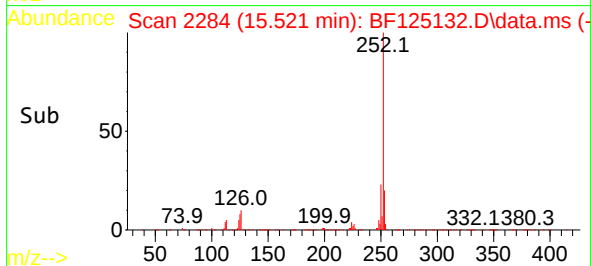
Delta R.T. -0.000 min

Lab File: BF125132.D

Acq: 20 Aug 2021 13:40



Tgt Ion:	252	Resp:	254091
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.4	27.6
125	10.0	9.9	14.9



Instrument :
BNA_F
ClientSampleId :
TR-05-081721