

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082021\
 Data File : BF125145.D
 Acq On : 20 Aug 2021 20:50
 Operator : JU/CG
 Sample : M3466-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081821

Quant Time: Aug 21 02:02:17 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)

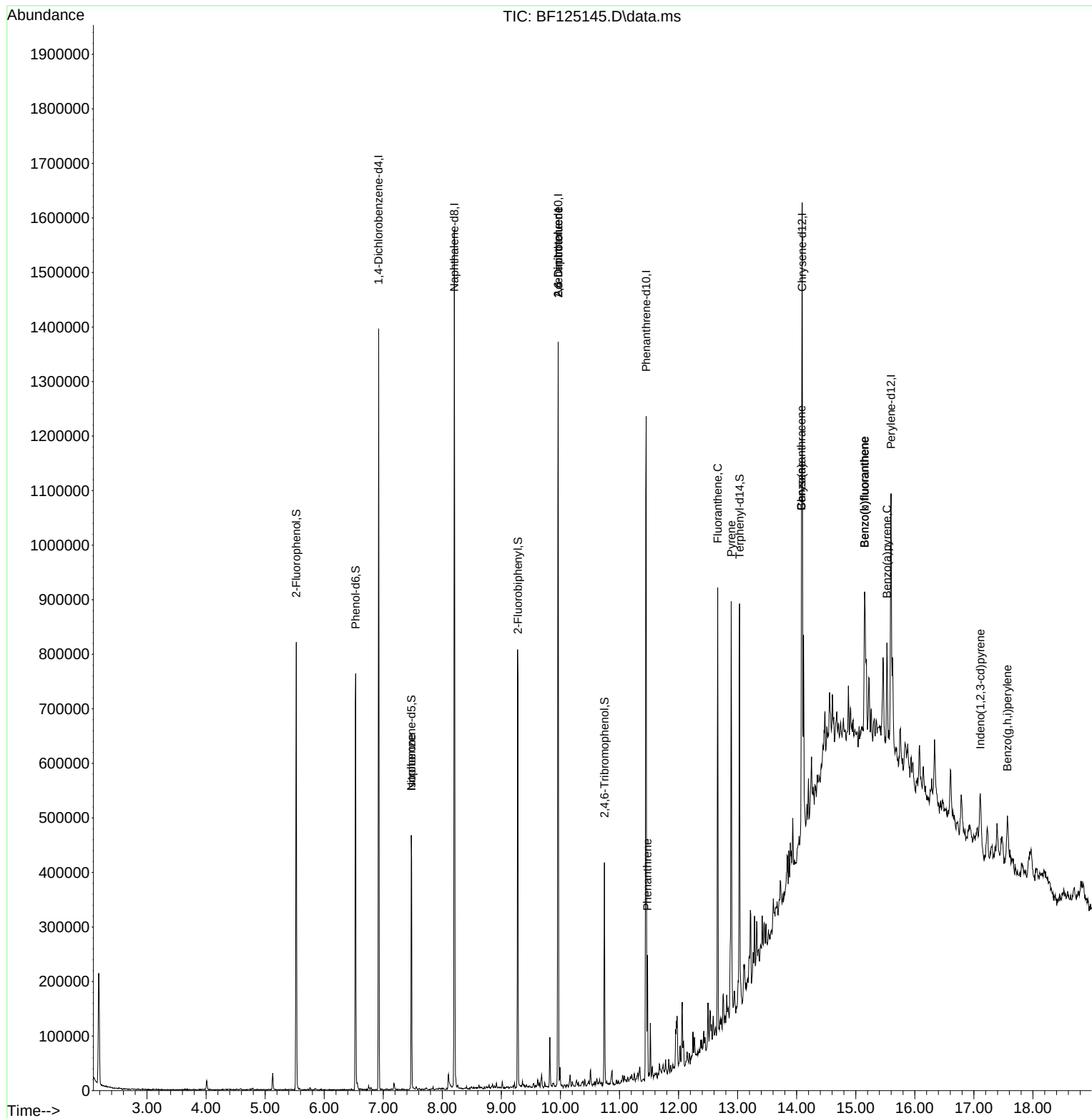
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	172225	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	604758	20.000	ng	# 0.00
39) Acenaphthene-d10	9.963	164	271010	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	444535	20.000	ng	0.00
76) Chrysene-d12	14.092	240	346854	20.000	ng	# 0.00
86) Perylene-d12	15.598	264	226787	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	190081	16.705	ng	0.00
7) Phenol-d6	6.534	99	223297	15.174	ng	0.00
23) Nitrobenzene-d5	7.475	82	130962	10.902	ng	-0.01
42) 2,4,6-Tribromophenol	10.745	330	41550	15.359	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	241732	12.432	ng	0.00
79) Terphenyl-d14	13.033	244	242738	11.149	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.475	82	130959	5.651	ng	# 59
51) 2,6-Dinitrotoluene	9.963	165	34804	8.546	ng	# 28
57) 2,4-Dinitrotoluene	9.963	165	34804	7.061	ng	# 20
71) Phenanthrene	11.474	178	85156	3.477	ng	98
75) Fluoranthene	12.663	202	294329	12.110	ng	98
78) Pyrene	12.892	202	298285	10.025	ng	97
81) Benzo(a)anthracene	14.080	228	162197	6.490	ng	# 92
83) Chrysene	14.080	228	162197	6.563	ng	94
87) Indeno(1,2,3-cd)pyrene	17.109	276	65439	4.005	ng	# 91
88) Benzo(b)fluoranthene	15.151	252	203161	12.262	ng	# 91
89) Benzo(k)fluoranthene	15.151	252	203161	13.140	ng	# 90
90) Benzo(a)pyrene	15.527	252	104689	7.153	ng	98
92) Benzo(g,h,i)perylene	17.568	276	64770	4.756	ng	94

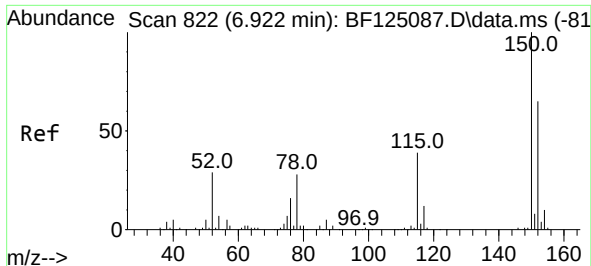
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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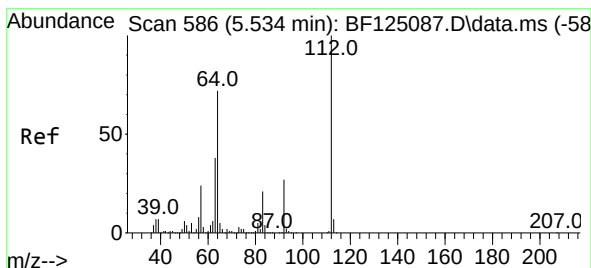
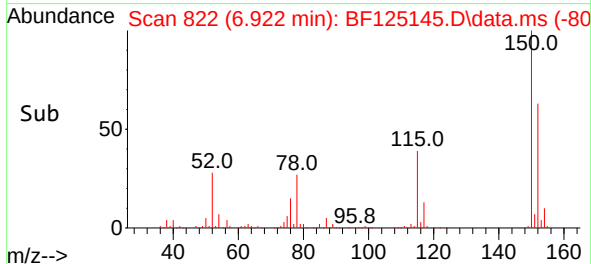
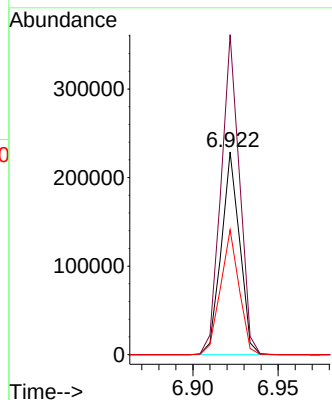
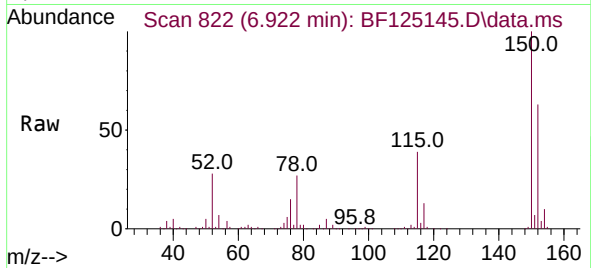




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 822
Delta R.T. -0.000 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

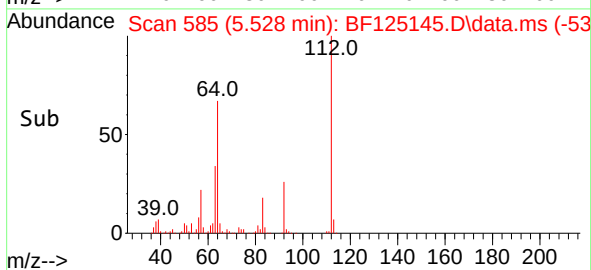
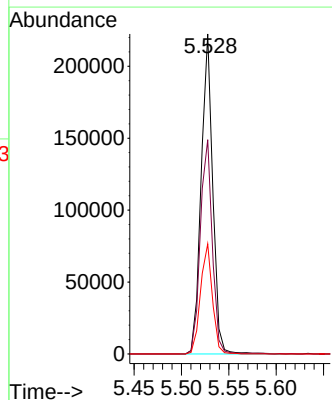
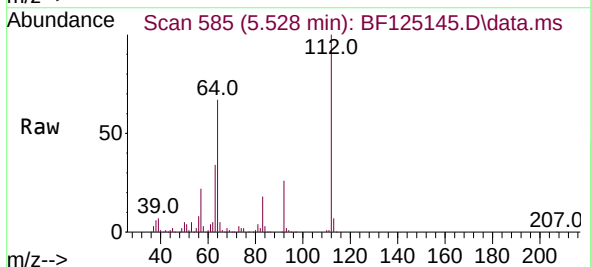
Instrument :
BNA_F
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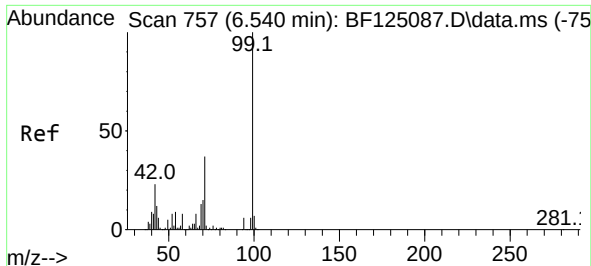
Tgt Ion:152 Resp: 172225
Ion Ratio Lower Upper
152 100
150 157.9 117.6 176.4
115 61.7 47.1 70.7



#5
2-Fluorophenol
Concen: 16.705 ng
RT: 5.528 min Scan# 585
Delta R.T. -0.006 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

Tgt Ion:112 Resp: 190081
Ion Ratio Lower Upper
112 100
64 66.9 44.2 66.2#
63 34.4 26.2 39.2

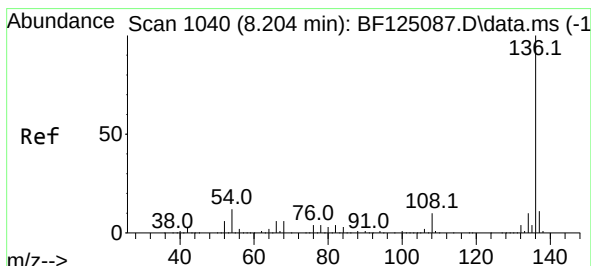
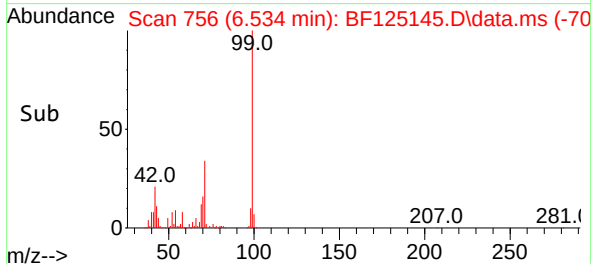
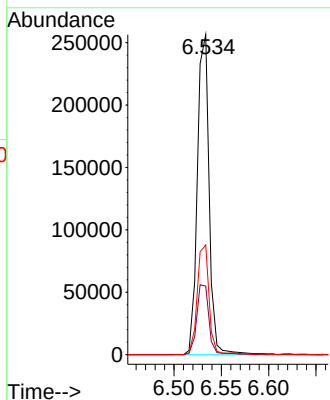
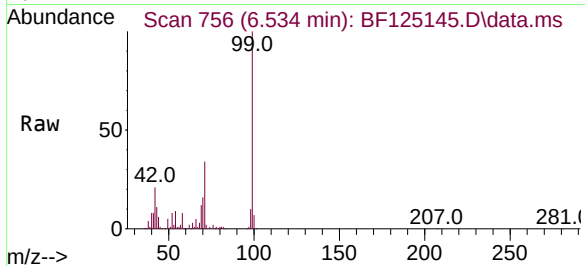




#7
Phenol-d6
Concen: 15.174 ng
RT: 6.534 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

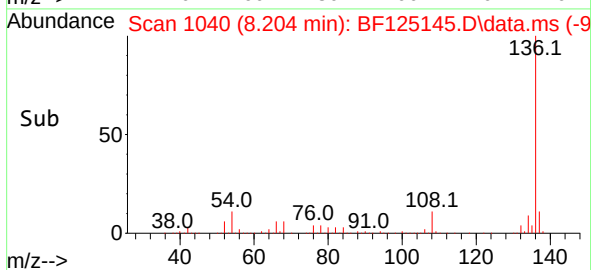
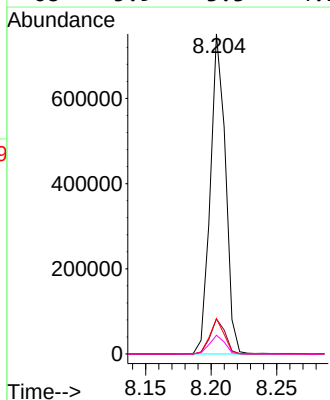
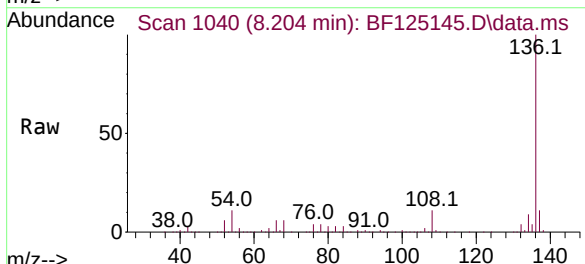
Instrument :
BNA_F
ClientSampleId :
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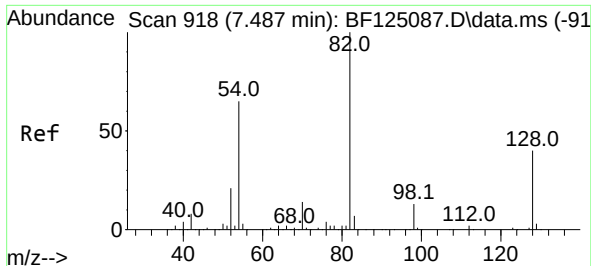
Tgt Ion: 99 Resp: 223297
Ion Ratio Lower Upper
99 100
42 21.4 23.5 35.3#
71 34.3 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

Tgt Ion: 136 Resp: 604758
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 11.1 6.4 9.6#
68 5.9 3.3 4.9#

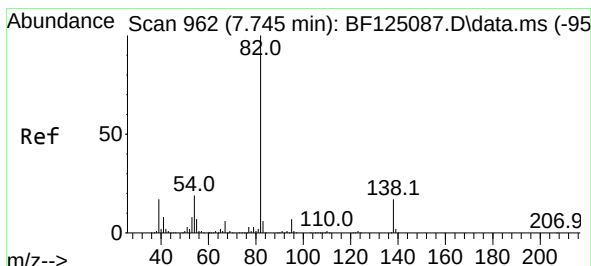
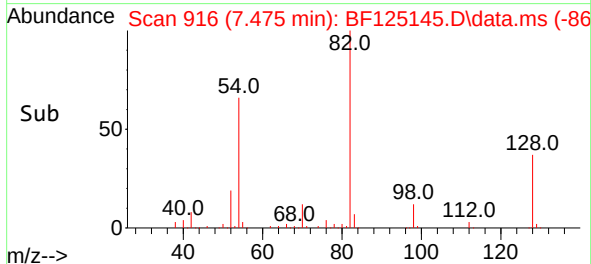
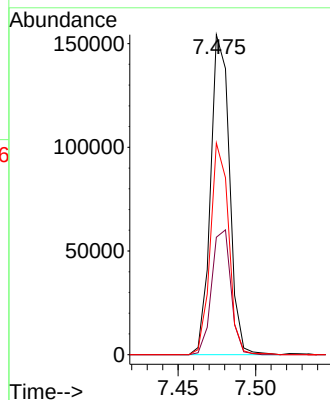
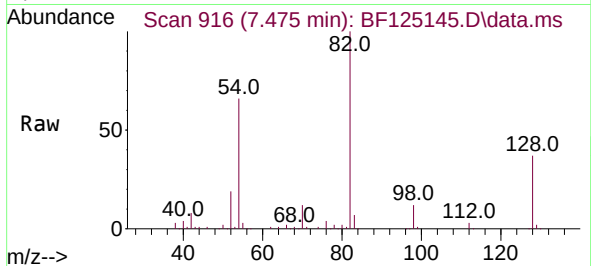




#23
Nitrobenzene-d5
Concen: 10.902 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.012 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

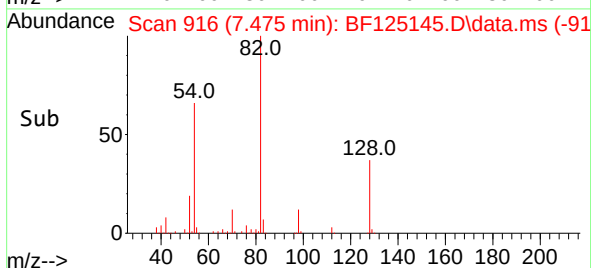
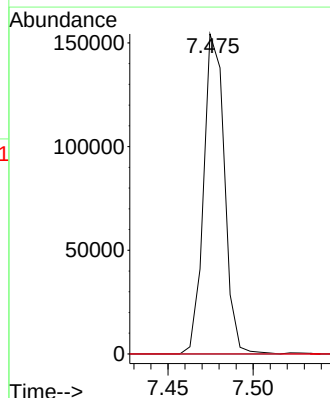
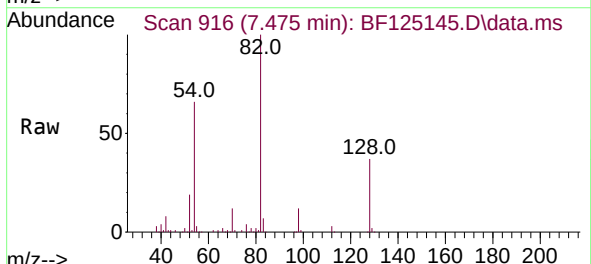
Instrument :
BNA_F
ClientSampleId :
OK-03-081821

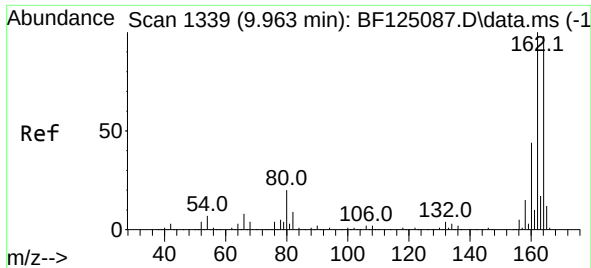
Tgt Ion: 82 Resp: 130962
Ion Ratio Lower Upper
82 100
128 36.7 40.6 60.8#
54 66.2 49.6 74.4



#25
Isophorone
Concen: 5.651 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.271 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

Tgt Ion: 82 Resp: 130959
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#

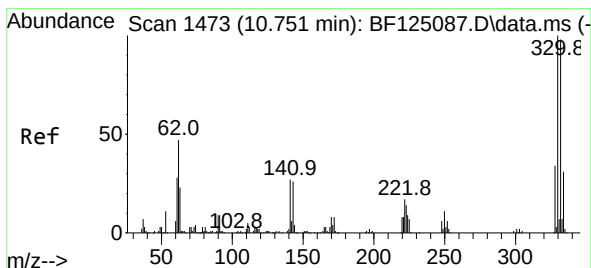
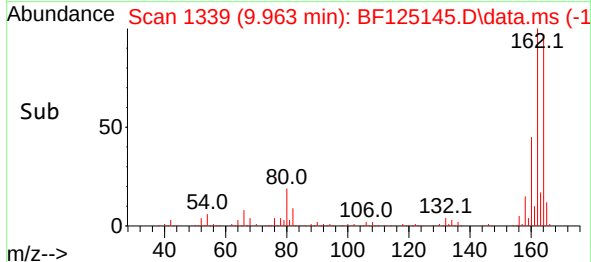
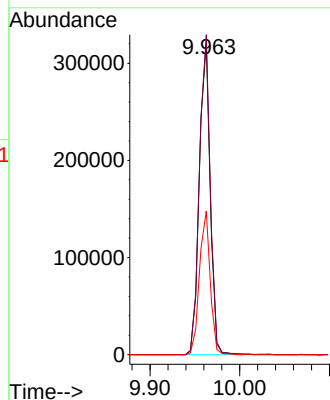
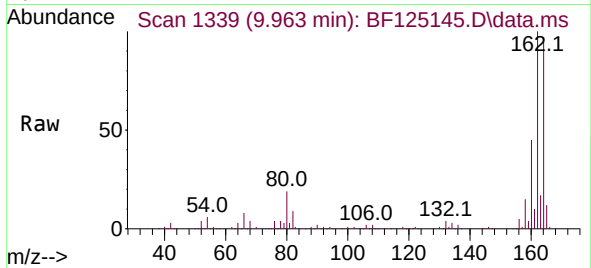




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

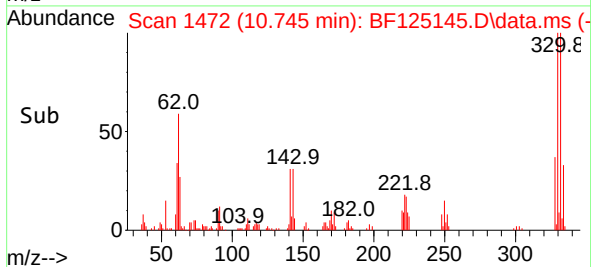
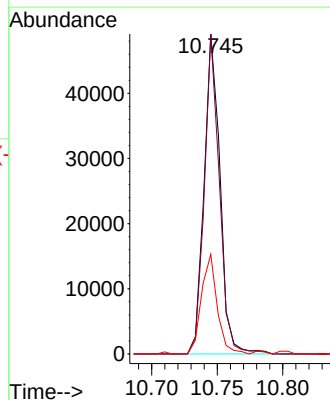
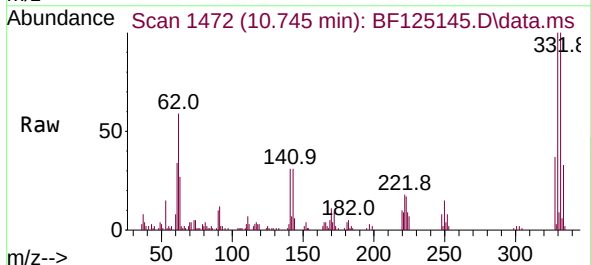
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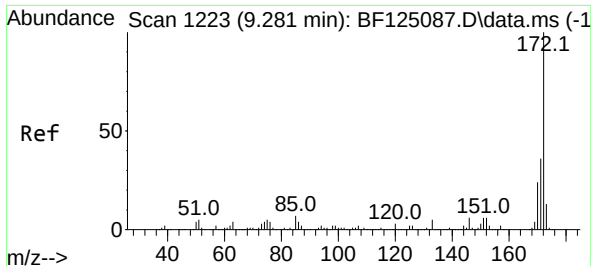
Tgt Ion:	164	Resp:	271010
Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.3	121.9
160	46.1	38.0	57.0



#42
2,4,6-Tribromophenol
Concen: 15.359 ng
RT: 10.745 min Scan# 1472
Delta R.T. -0.006 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

Tgt Ion:	330	Resp:	41550
Ion	Ratio	Lower	Upper
330	100		
332	94.4	76.2	114.4
141	30.8	44.6	66.8#

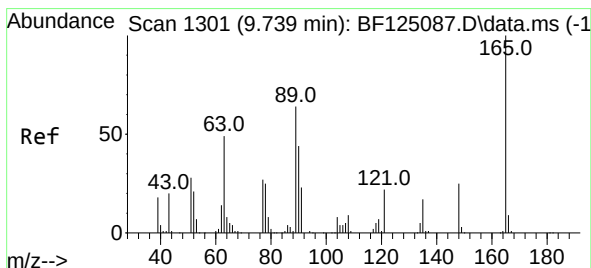
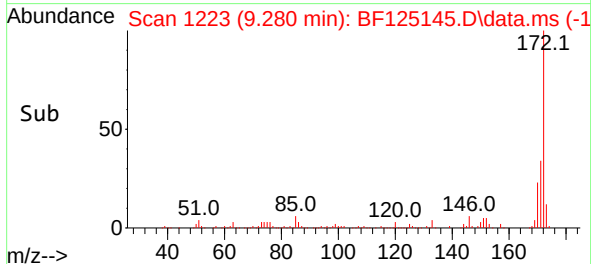
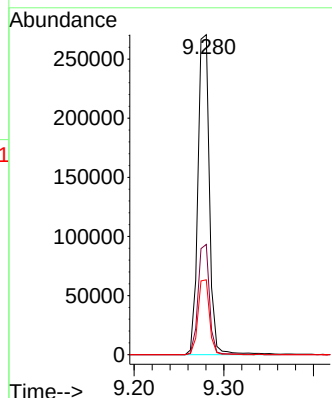
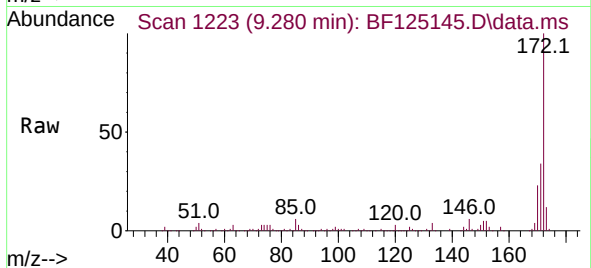




#45
2-Fluorobiphenyl
Concen: 12.432 ng
RT: 9.280 min Scan# 1223
Delta R.T. -0.000 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

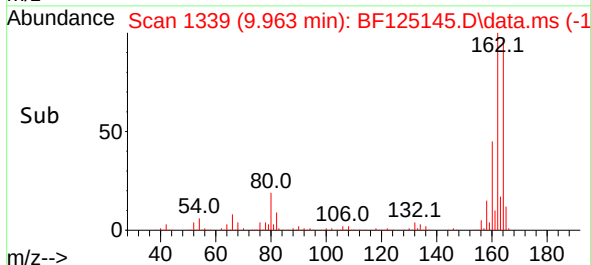
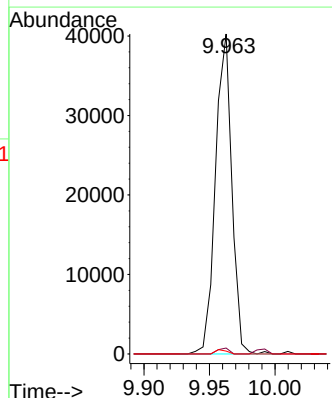
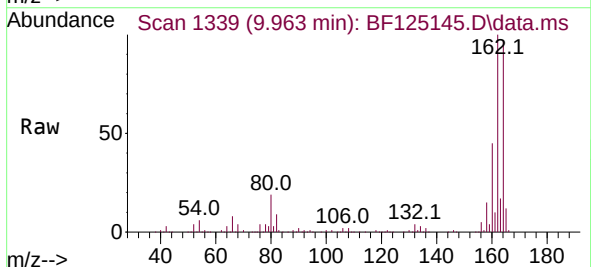
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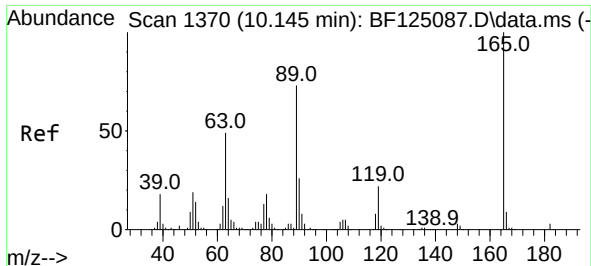
Tgt Ion:172 Resp: 241732
Ion Ratio Lower Upper
172 100
171 34.5 26.5 39.7
170 23.4 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 8.546 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.223 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

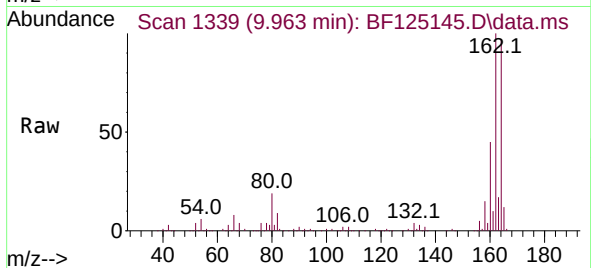
Tgt Ion:165 Resp: 34804
Ion Ratio Lower Upper
165 100
63 1.8 42.6 63.8#
89 0.9 40.6 60.8#



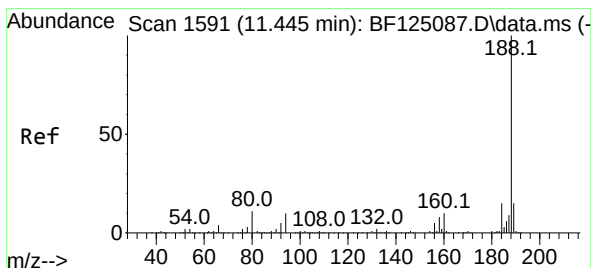
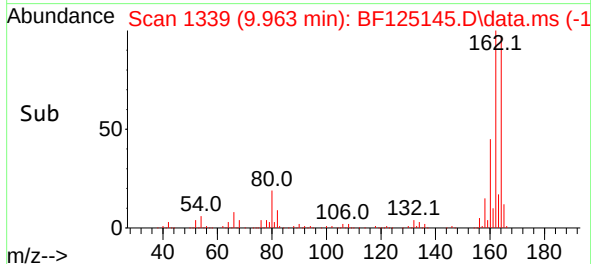
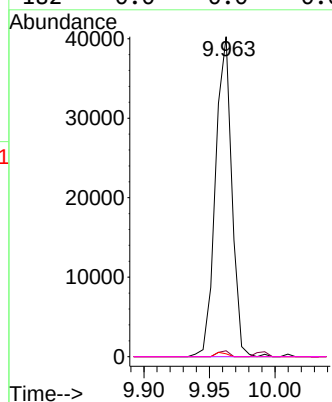


#57
2,4-Dinitrotoluene
Concen: 7.061 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.182 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

Instrument :
BNA_F
ClientSampleId :
OK-03-081821

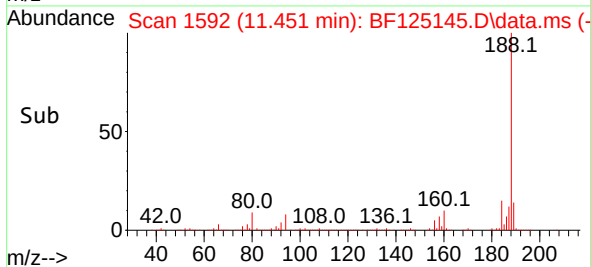
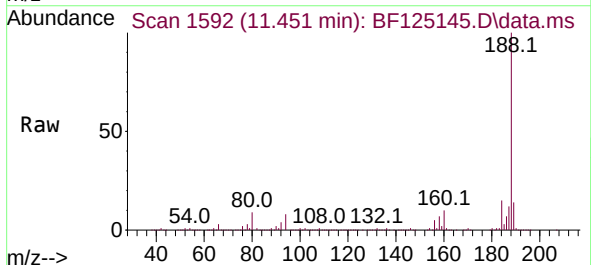
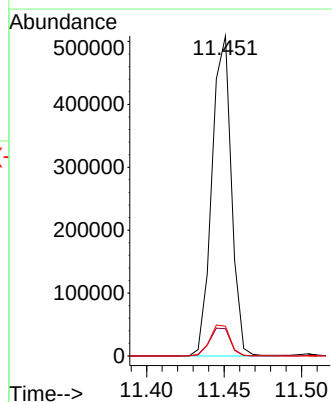


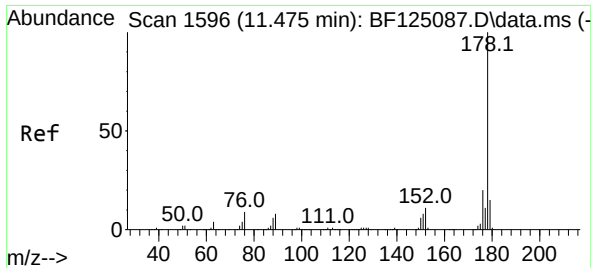
Tgt Ion:165 Resp: 34804
Ion Ratio Lower Upper
165 100
63 1.8 40.9 61.3#
89 0.9 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

Tgt Ion:188 Resp: 444535
Ion Ratio Lower Upper
188 100
94 8.5 6.7 10.1
80 9.3 7.5 11.3

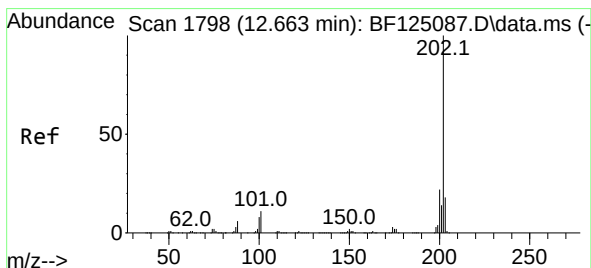
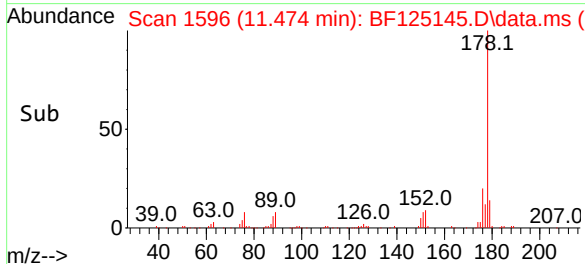
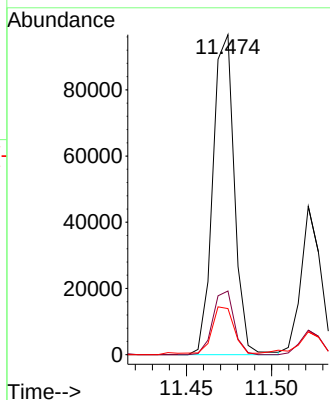
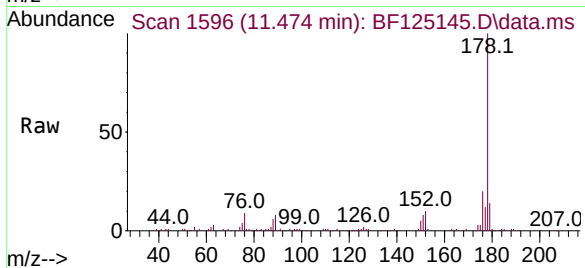




#71
Phenanthrene
Concen: 3.477 ng
RT: 11.474 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

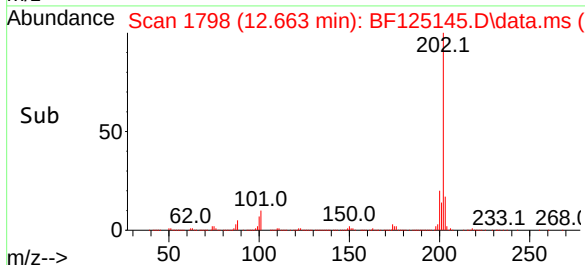
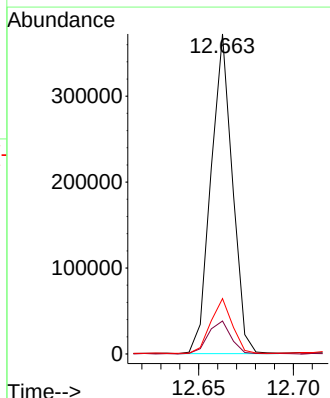
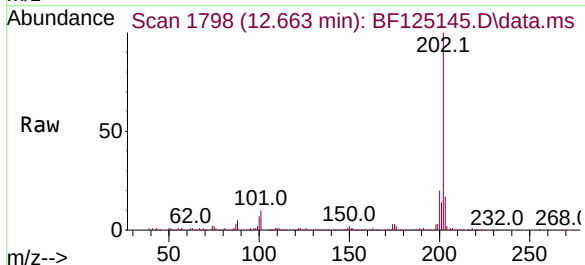
Instrument :
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ClientSampleId :
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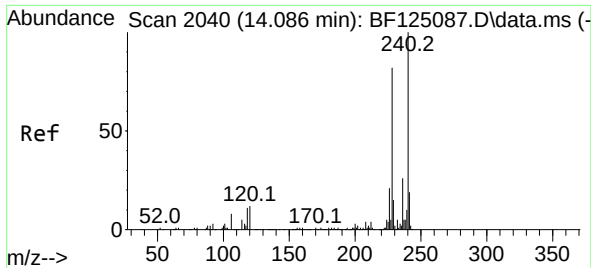
Tgt Ion:178 Resp: 85156
Ion Ratio Lower Upper
178 100
176 19.9 14.7 22.1
179 14.4 11.5 17.3



#75
Fluoranthene
Concen: 12.110 ng
RT: 12.663 min Scan# 1798
Delta R.T. -0.000 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

Tgt Ion:202 Resp: 294329
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.7
203 17.3 0.0 36.3

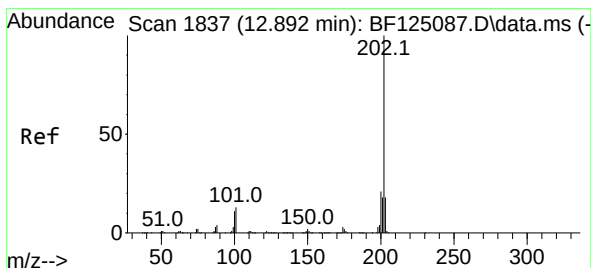
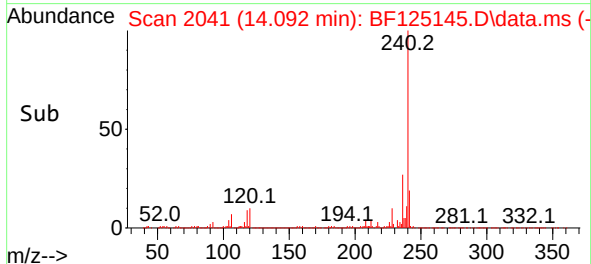
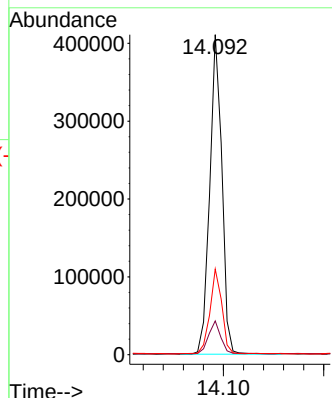
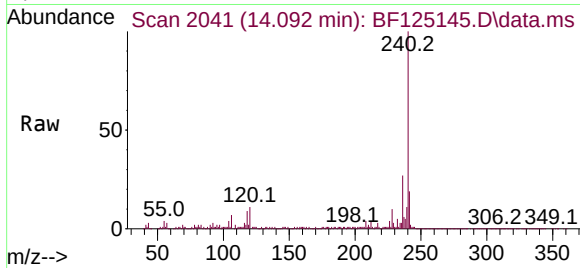




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2041
Delta R.T. 0.006 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

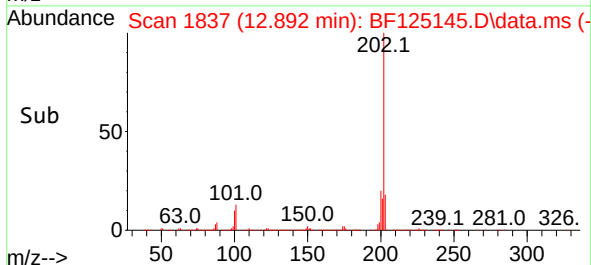
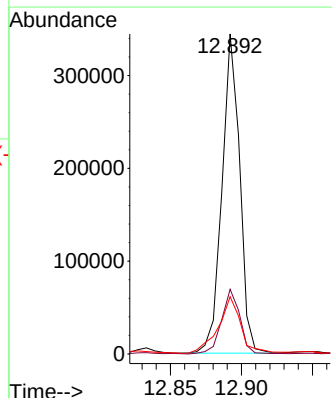
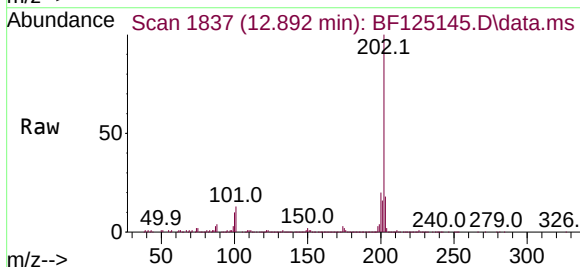
Instrument :
BNA_F
ClientSampleId :
OK-03-081821

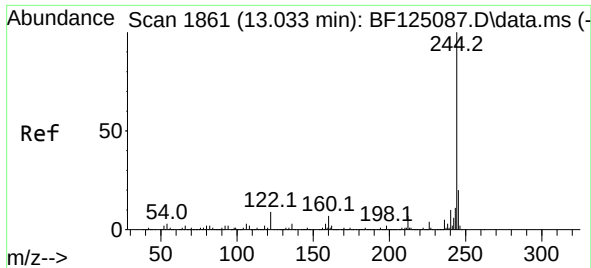
Tgt Ion:240 Resp: 346854
Ion Ratio Lower Upper
240 100
120 10.6 10.8 16.2#
236 26.8 21.6 32.4



#78
Pyrene
Concen: 10.025 ng
RT: 12.892 min Scan# 1837
Delta R.T. -0.000 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

Tgt Ion:202 Resp: 298285
Ion Ratio Lower Upper
202 100
200 20.2 15.3 22.9
203 17.9 13.4 20.0

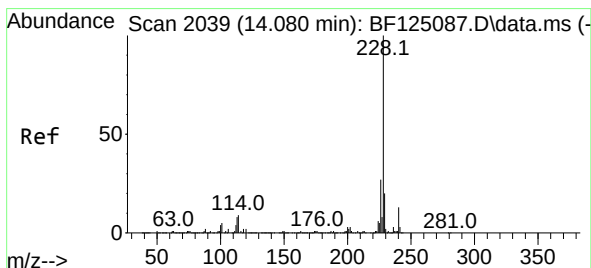
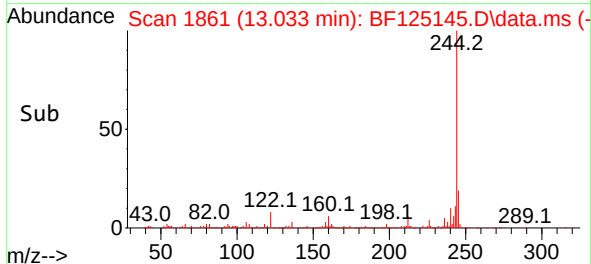
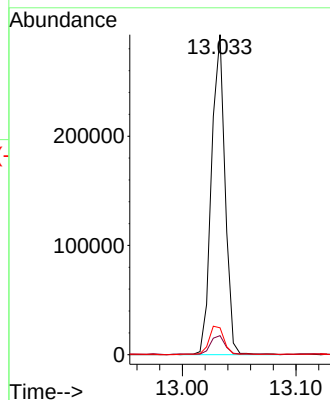
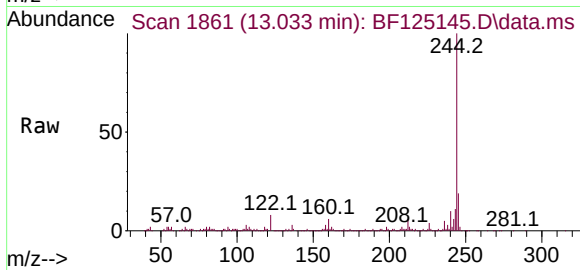




#79
 Terphenyl-d14
 Concen: 11.149 ng
 RT: 13.033 min Scan# 1861
 Delta R.T. -0.000 min
 Lab File: BF125145.D
 Acq: 20 Aug 2021 20:50

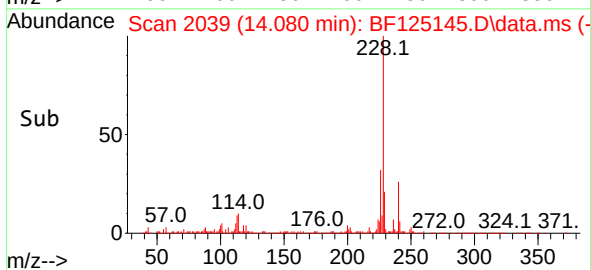
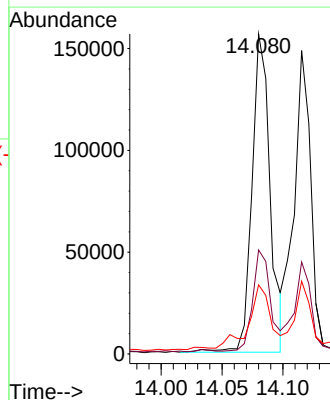
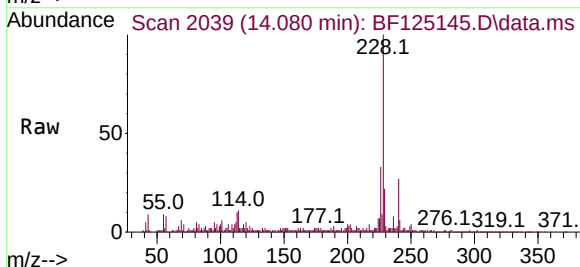
Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081821

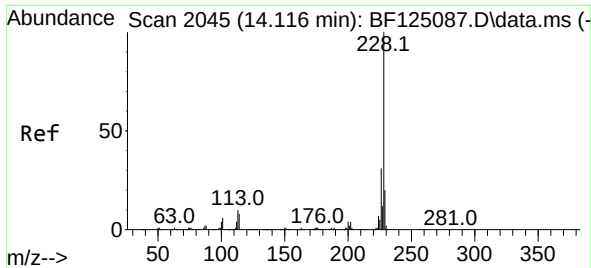
Tgt Ion:244 Resp: 242738
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.9 8.9
 122 8.4 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 6.490 ng
 RT: 14.080 min Scan# 2039
 Delta R.T. -0.000 min
 Lab File: BF125145.D
 Acq: 20 Aug 2021 20:50

Tgt Ion:228 Resp: 162197
 Ion Ratio Lower Upper
 228 100
 226 32.5 21.6 32.4#
 229 21.6 15.6 23.4

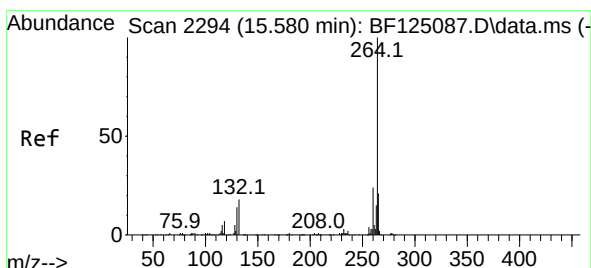
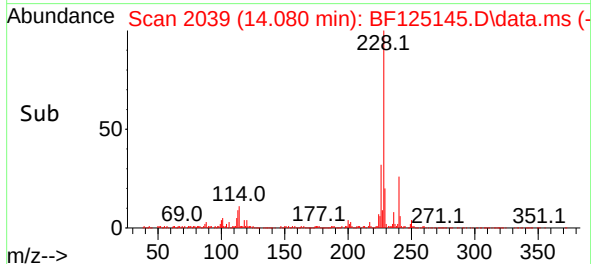
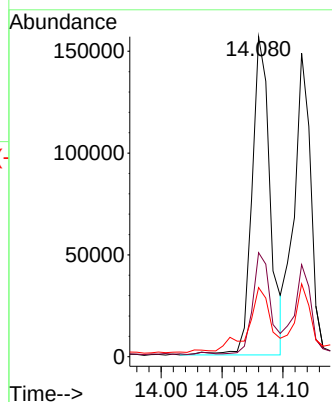
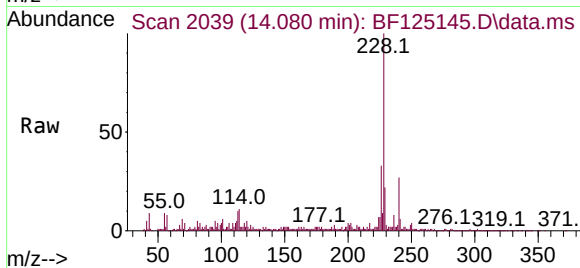




#83
Chrysene
Concen: 6.563 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.035 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

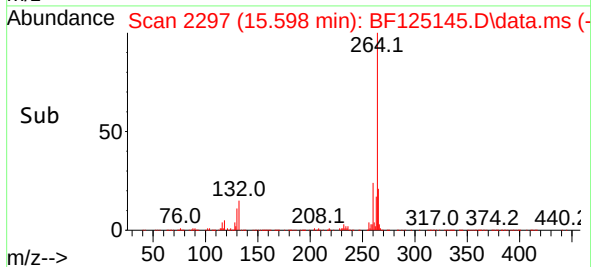
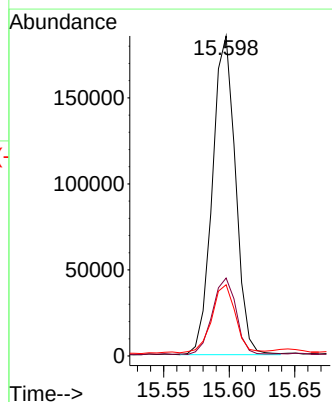
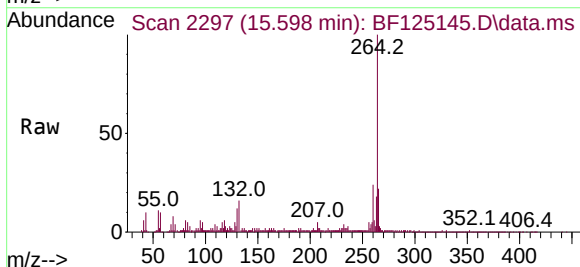
Instrument :
BNA_F
ClientSampleId :
OK-03-081821

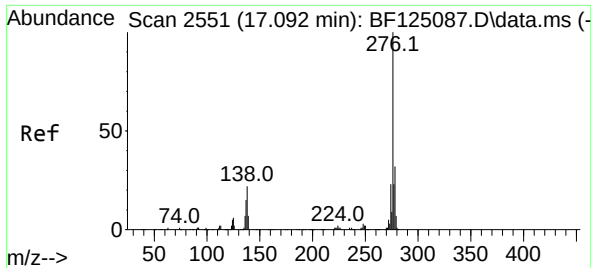
Tgt Ion:228 Resp: 162197
Ion Ratio Lower Upper
228 100
226 32.5 22.6 34.0
229 21.6 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2297
Delta R.T. 0.018 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

Tgt Ion:264 Resp: 226787
Ion Ratio Lower Upper
264 100
260 24.3 19.6 29.4
265 22.2 17.2 25.8

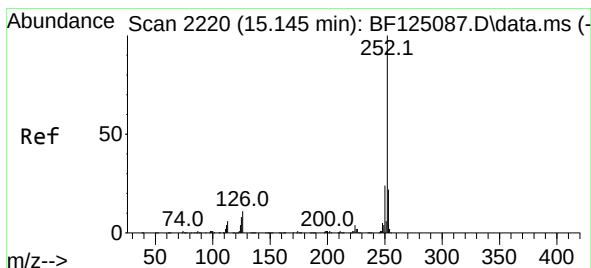
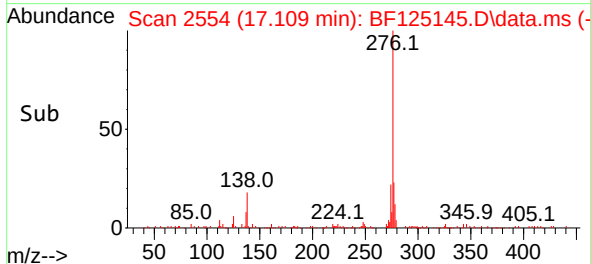
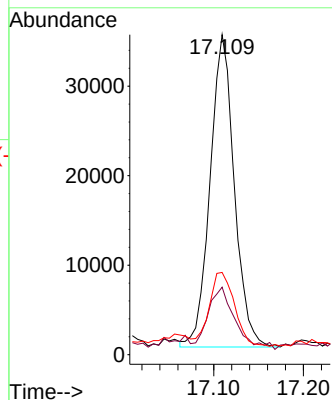
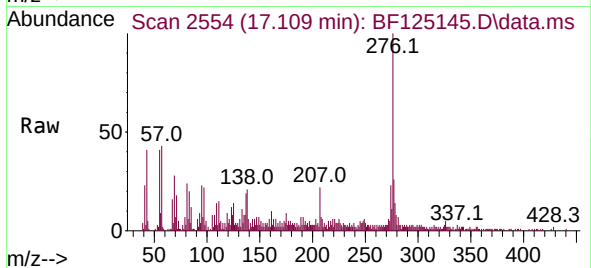




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.005 ng
RT: 17.109 min Scan# 2554
Delta R.T. 0.018 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

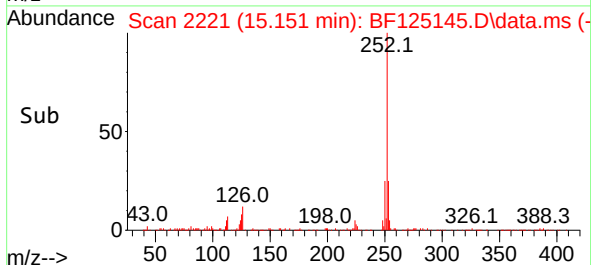
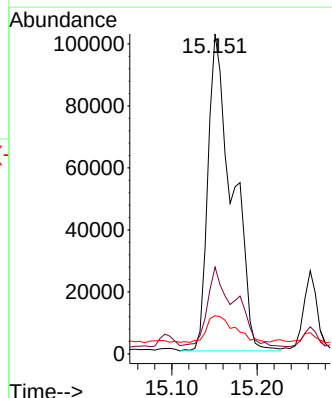
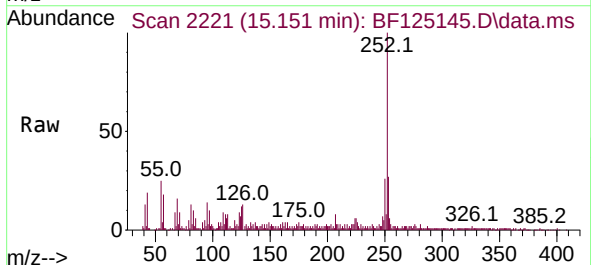
Instrument :
BNA_F
ClientSampleId :
OK-03-081821

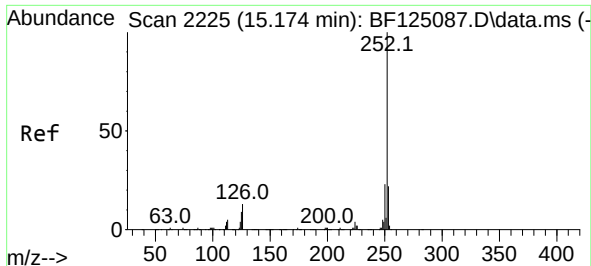
Tgt Ion:276 Resp: 65439
Ion Ratio Lower Upper
276 100
138 22.3 24.1 36.1#
277 24.9 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 12.262 ng
RT: 15.151 min Scan# 2221
Delta R.T. 0.006 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

Tgt Ion:252 Resp: 203161
Ion Ratio Lower Upper
252 100
253 27.1 16.8 25.2#
125 12.0 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 13.140 ng

RT: 15.151 min Scan# 2221

Delta R.T. -0.024 min

Lab File: BF125145.D

Acq: 20 Aug 2021 20:50

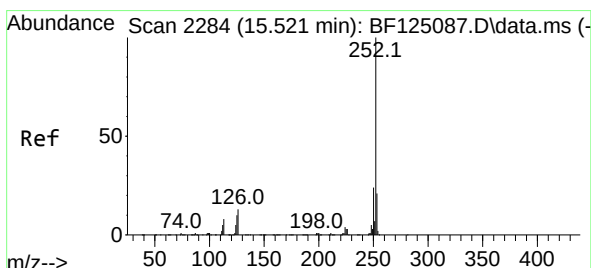
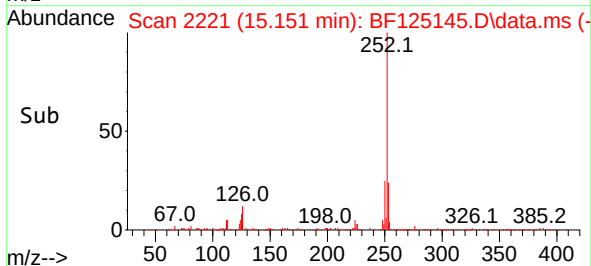
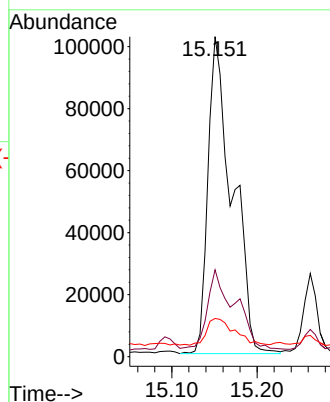
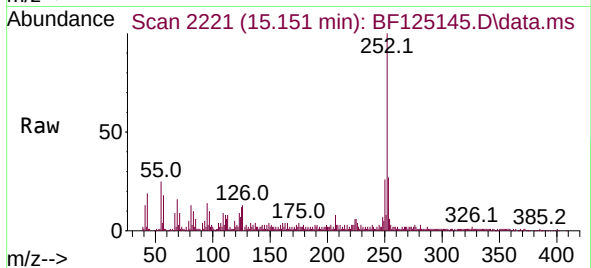
Tgt Ion:252	Resp:	203161
Ion Ratio	Lower	Upper
252	100	
253	27.1	17.8 26.8#
125	12.0	7.2 10.8#

Instrument :

BNA_F

ClientSampleId :

OK-03-081821



#90

Benzo(a)pyrene

Concen: 7.153 ng

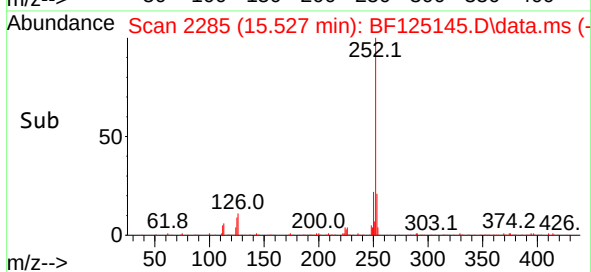
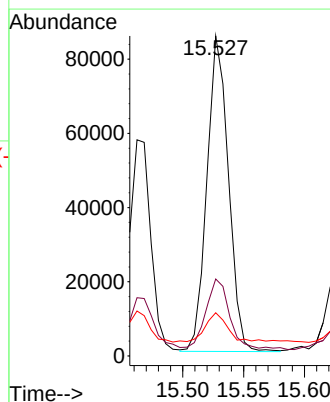
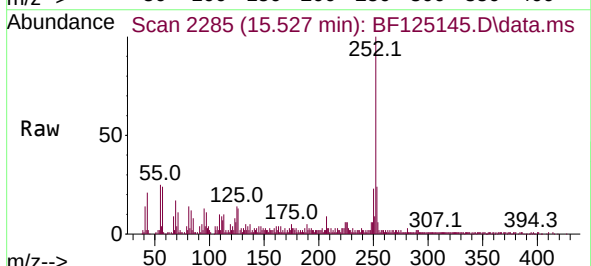
RT: 15.527 min Scan# 2285

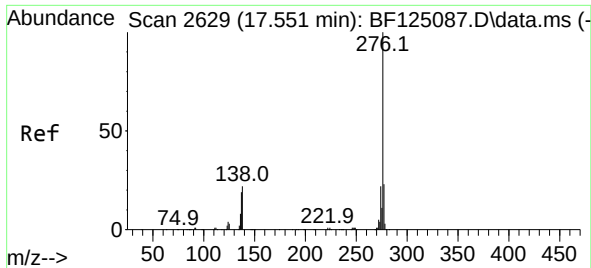
Delta R.T. 0.006 min

Lab File: BF125145.D

Acq: 20 Aug 2021 20:50

Tgt Ion:252	Resp:	104689
Ion Ratio	Lower	Upper
252	100	
253	24.0	18.4 27.6
125	13.5	9.9 14.9





#92
Benzo(g,h,i)perylene
Concen: 4.756 ng
RT: 17.568 min Scan# 2632
Delta R.T. 0.018 min
Lab File: BF125145.D
Acq: 20 Aug 2021 20:50

Instrument :
BNA_F
ClientSampleId :
OK-03-081821

Tgt Ion:	276	Resp:	64770
Ion	Ratio	Lower	Upper
276	100		
277	25.9	22.0	33.0
138	22.8	22.2	33.4

