

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092321\
 Data File : BF125613.D
 Acq On : 24 Sep 2021 2:35
 Operator : JU/CG
 Sample : M3872-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-LPA-01

Manual Integrations
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Quant Time: Sep 24 04:21:16 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 21 19:21:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	219104	20.000	ng	0.00
21) Naphthalene-d8	8.180	136	858812	20.000	ng	# 0.00
39) Acenaphthene-d10	9.933	164	471428	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	746434	20.000	ng	# 0.00
76) Chrysene-d12	14.062	240	532257	20.000	ng	0.00
86) Perylene-d12	15.545	264	602786	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	997009	71.958	ng	0.00
7) Phenol-d6	6.510	99	1208395	67.643	ng	-0.01
23) Nitrobenzene-d5	7.451	82	726493	53.955	ng	-0.01
42) 2,4,6-Tribromophenol	10.721	330	306129	66.298	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1483230	52.660	ng	0.00
79) Terphenyl-d14	13.010	244	1389477	42.155	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.210	128	4205148	95.341	ng	# 94
37) 2-Methylnaphthalene	8.904	142	3391404	113.522	ng	96
38) 1-Methylnaphthalene	9.004	142	3244951	115.766	ng	100
46) 1,1'-Biphenyl	9.357	154	301155	8.478	ng	99
49) Acenaphthylene	9.798	152	299936	6.918	ng	# 72
52) Acenaphthene	9.969	154	733095	26.785	ng	93
55) Dibenzofuran	10.139	168	278493	6.857	ng	# 71
58) Fluorene	10.486	166	1145241	36.662	ng	98
66) n-Nitrosodiphenylamine	10.592	169	164890	6.085	ng	# 87
71) Phenanthrene	11.457	178	3633658m	86.663	ng	
72) Anthracene	11.498	178	1106199	26.467	ng	99
75) Fluoranthene	12.639	202	1242986	30.218	ng	96
78) Pyrene	12.868	202	2208065	44.269	ng	94
81) Benzo(a)anthracene	14.051	228	646931m	17.855	ng	
83) Chrysene	14.086	228	532575	14.551	ng	96
87) Indeno(1,2,3-cd)pyrene	17.021	276	161594	3.734	ng	94
88) Benzo(b)fluoranthene	15.104	252	407813m	9.251	ng	
89) Benzo(k)fluoranthene	15.133	252	81406m	2.019	ng	
90) Benzo(a)pyrene	15.474	252	460151	11.993	ng	98
92) Benzo(g,h,i)perylene	17.468	276	197347	5.452	ng	92

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

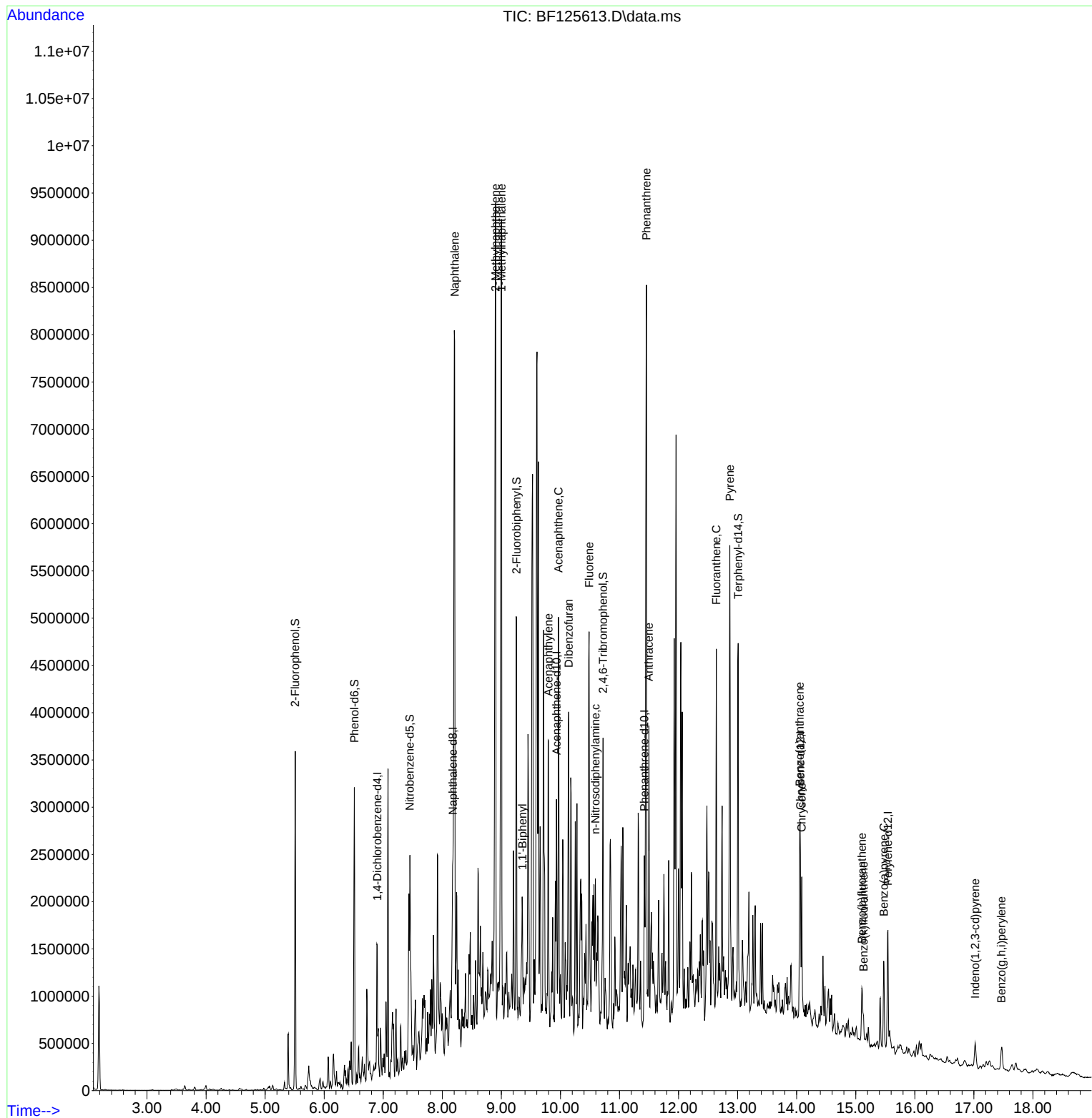
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092321\
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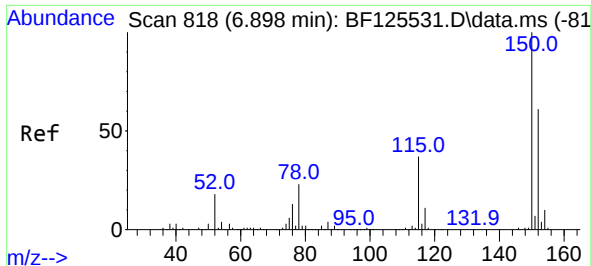
Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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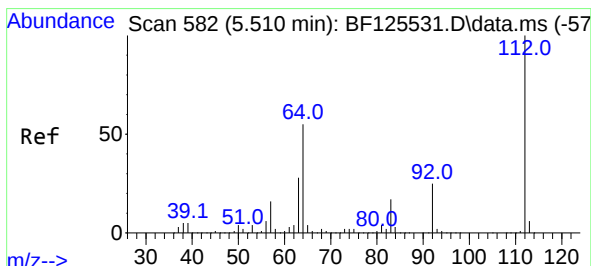
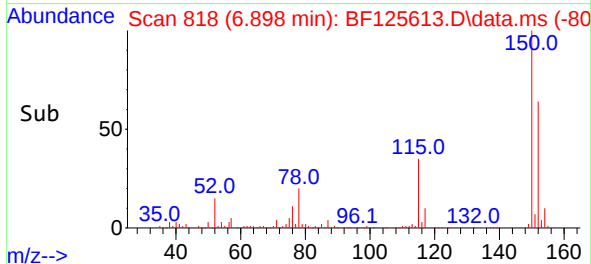
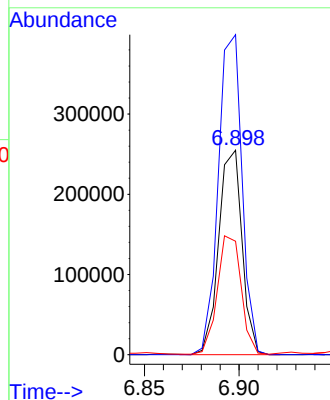
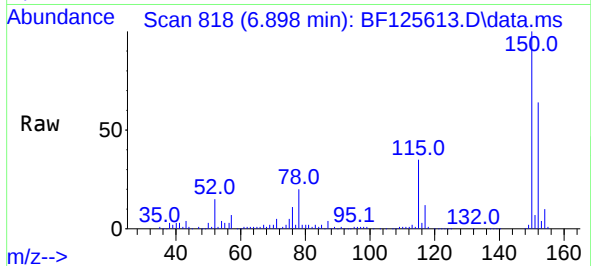
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 818
Delta R.T. 0.000 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

Tgt Ion:152 Resp: 219104
Ion Ratio Lower Upper
152 100
150 156.5 117.6 176.4
115 55.4 47.1 70.7

Instrument :
BNA_F
ClientSampled :
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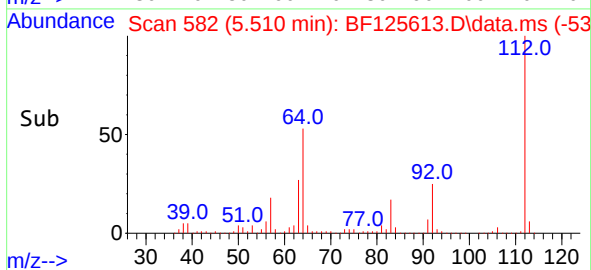
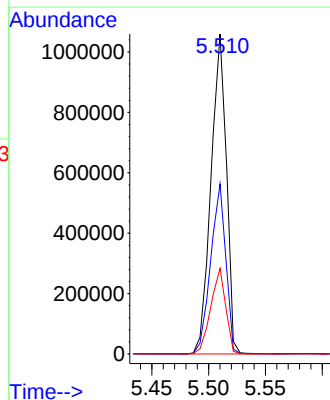
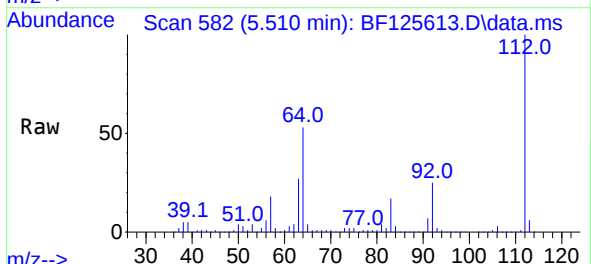
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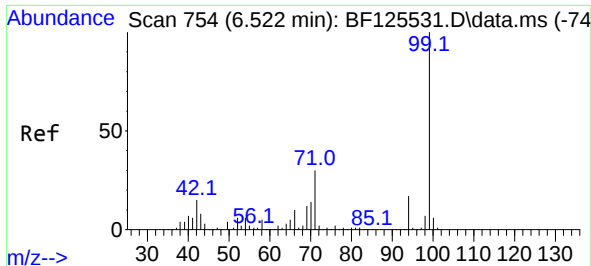
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#5
2-Fluorophenol
Concen: 71.958 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

Tgt Ion:112 Resp: 997009
Ion Ratio Lower Upper
112 100
64 53.2 44.2 66.2
63 26.8 26.2 39.2





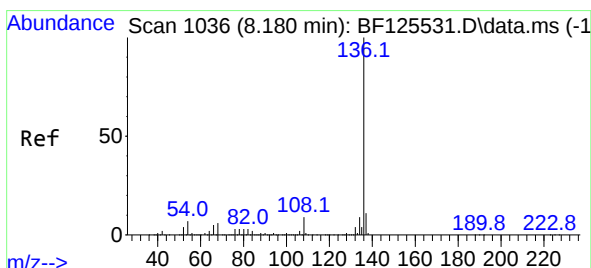
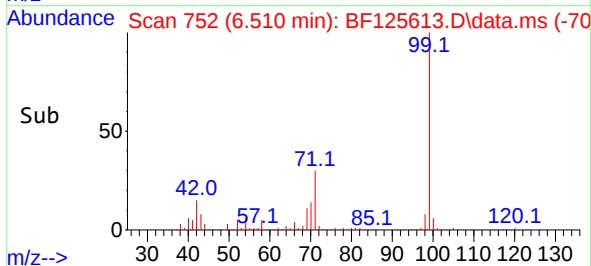
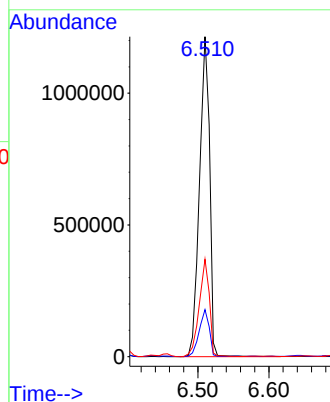
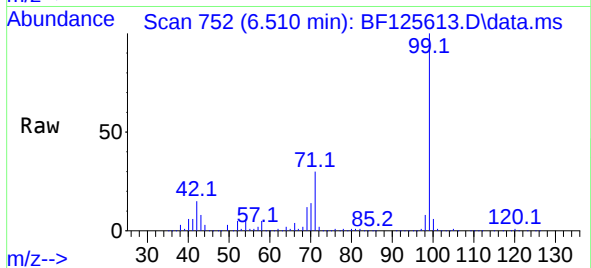
#7
Phenol-d6
Concen: 67.643 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

Tgt Ion: 99 Resp: 1208395
Ion Ratio Lower Upper
99 100
42 14.7 23.5 35.3#
71 30.4 25.6 38.4

Instrument :
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ClientSampleId :
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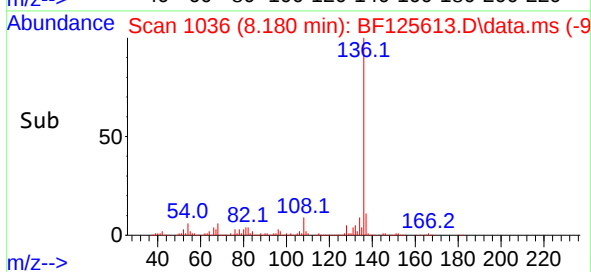
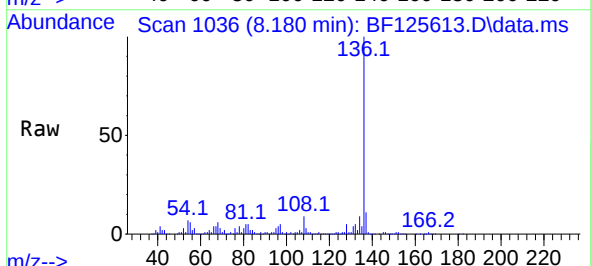
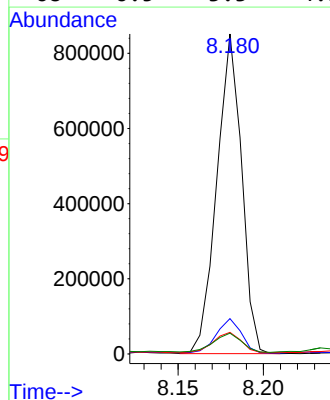
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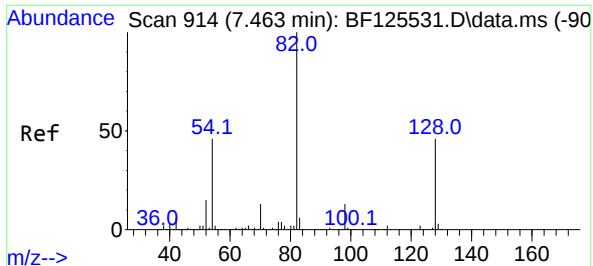
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.180 min Scan# 1036
Delta R.T. -0.000 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

Tgt Ion: 136 Resp: 858812
Ion Ratio Lower Upper
136 100
137 11.1 9.8 14.6
54 6.8 6.4 9.6
68 6.5 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 53.955 ng

RT: 7.451 min Scan# 912

Delta R.T. -0.012 min

Lab File: BF125613.D

Acq: 24 Sep 2021 2:35

Tgt Ion: 82 Resp: 726493

Ion Ratio Lower Upper

82 100

128 46.2 40.6 60.8

54 44.1 49.6 74.4#

Instrument :

BNA_F

ClientSampleId :

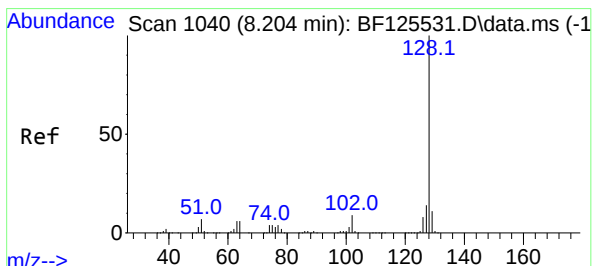
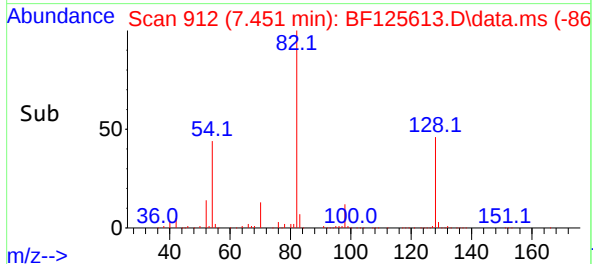
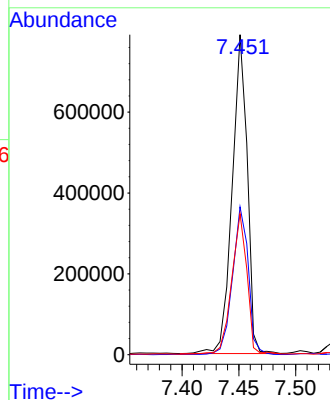
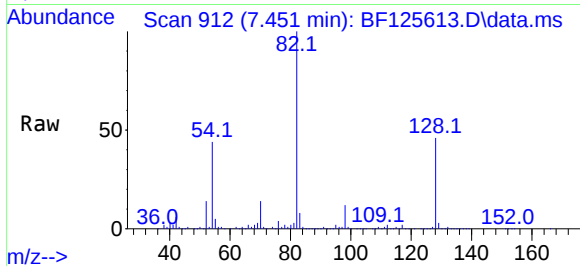
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#31

Naphthalene

Concen: 95.341 ng

RT: 8.210 min Scan# 1041

Delta R.T. 0.006 min

Lab File: BF125613.D

Acq: 24 Sep 2021 2:35

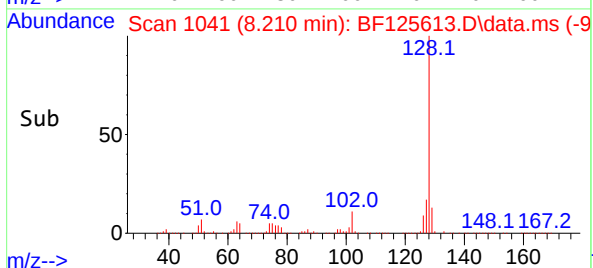
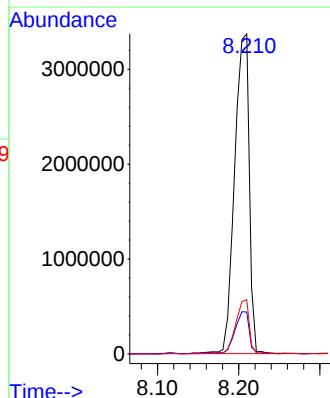
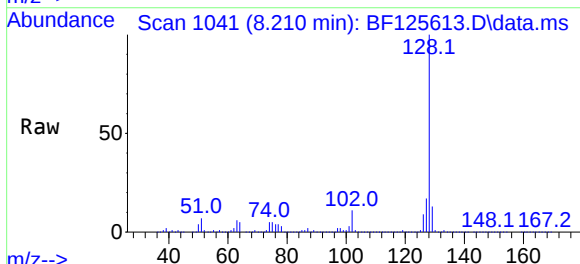
Tgt Ion:128 Resp: 4205148

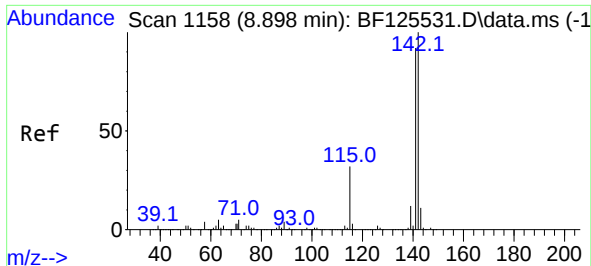
Ion Ratio Lower Upper

128 100

129 13.1 9.4 14.0

127 17.0 10.9 16.3#





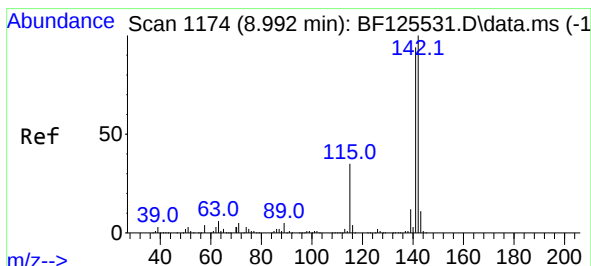
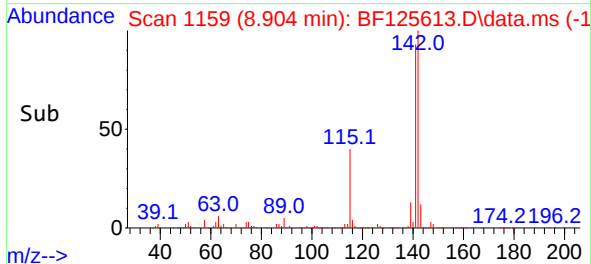
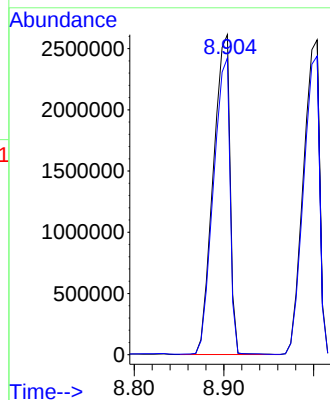
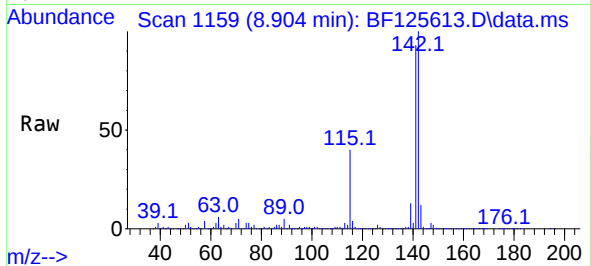
#37
2-Methylnaphthalene
Concen: 113.522 ng
RT: 8.904 min Scan# 1159
Delta R.T. 0.006 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

Tgt Ion:142 Resp: 3391404
Ion Ratio Lower Upper
142 100
141 92.7 71.2 106.8

Instrument :
BNA_F
ClientSampleId :
SP-LPA-01

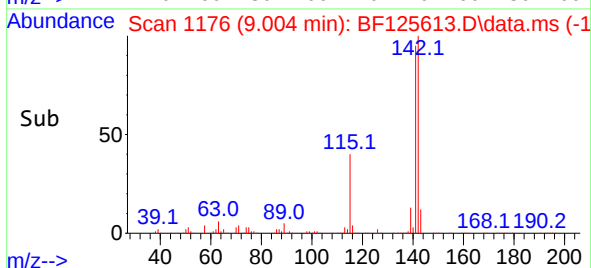
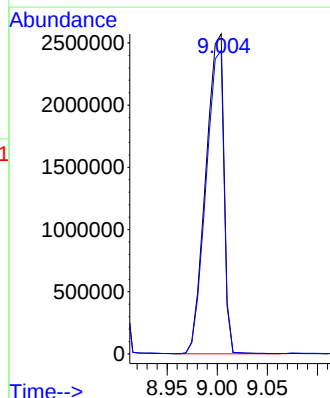
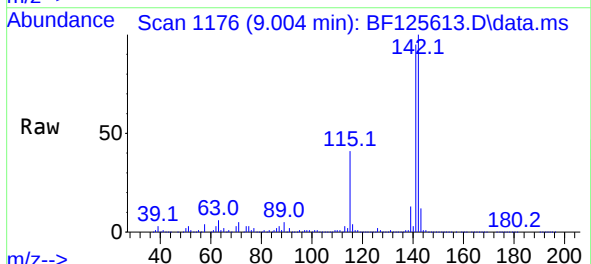
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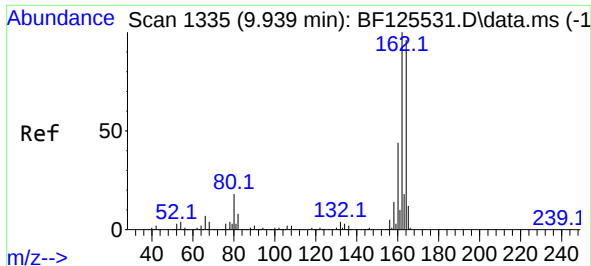
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#38
1-Methylnaphthalene
Concen: 115.766 ng
RT: 9.004 min Scan# 1176
Delta R.T. 0.012 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

Tgt Ion:142 Resp: 3244951
Ion Ratio Lower Upper
142 100
141 94.9 76.0 114.0





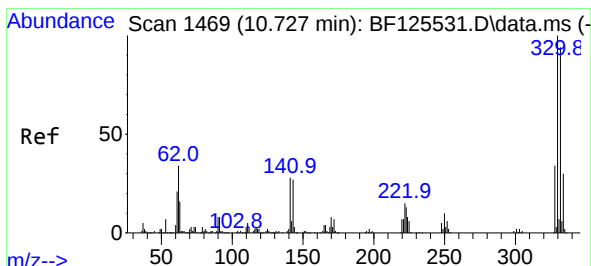
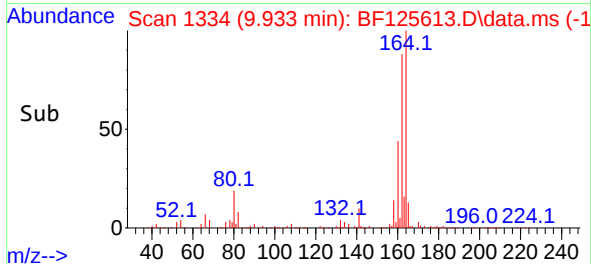
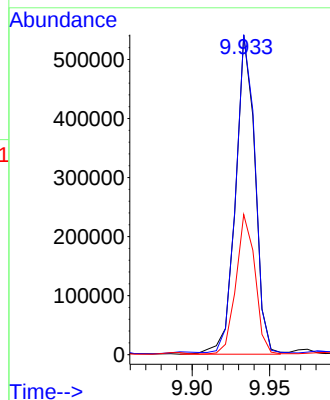
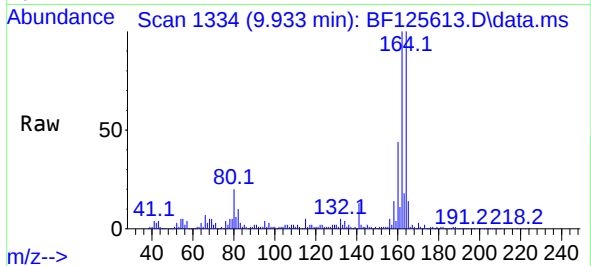
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:164 Resp: 471428
Ion Ratio Lower Upper
164 100
162 100.1 81.3 121.9
160 43.8 38.0 57.0

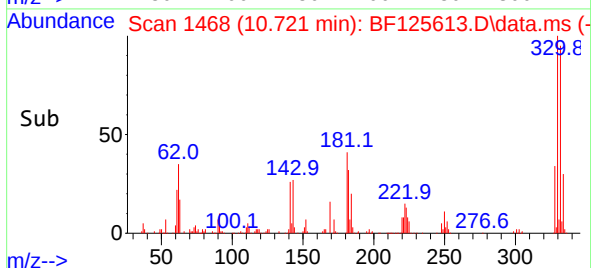
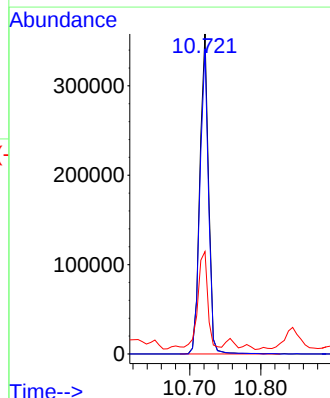
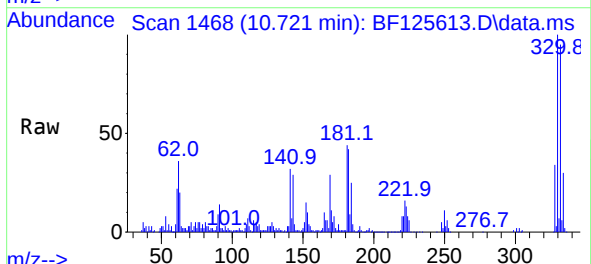
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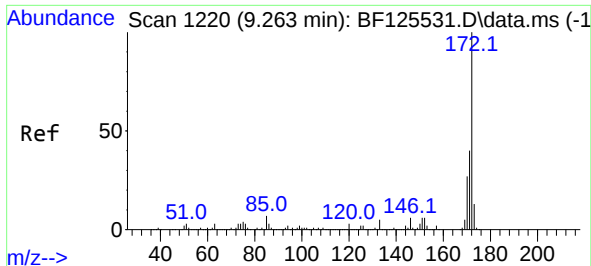
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#42
2,4,6-Tribromophenol
Concen: 66.298 ng
RT: 10.721 min Scan# 1468
Delta R.T. -0.006 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

Tgt Ion:330 Resp: 306129
Ion Ratio Lower Upper
330 100
332 94.2 76.2 114.4
141 32.6 44.6 66.8#





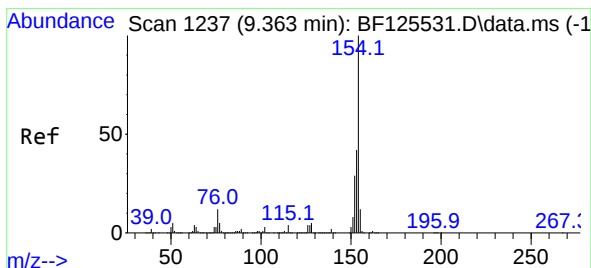
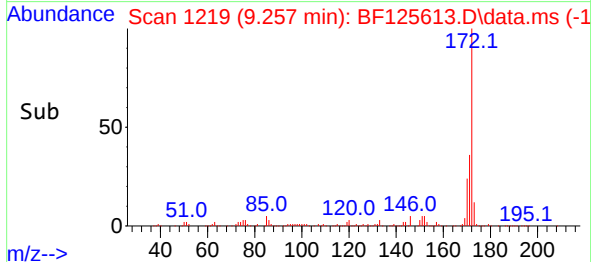
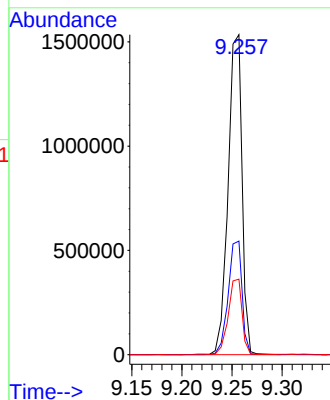
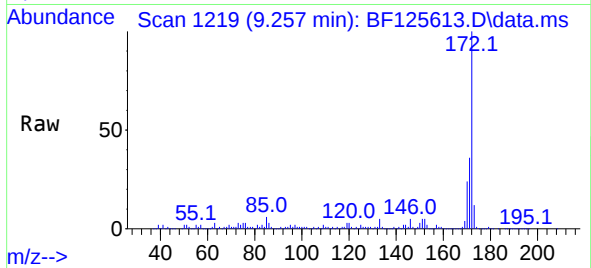
#45
2-Fluorobiphenyl
Concen: 52.660 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

Tgt Ion:172 Resp: 1483230
Ion Ratio Lower Upper
172 100
171 35.5 26.5 39.7
170 23.6 18.8 28.2

Instrument :
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SP-LPA-01

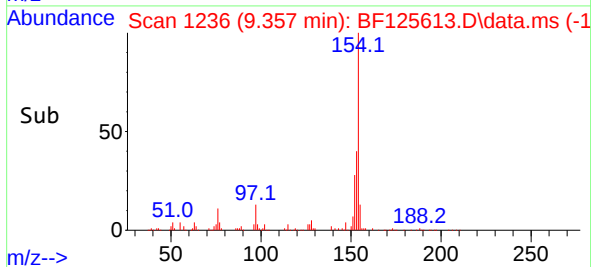
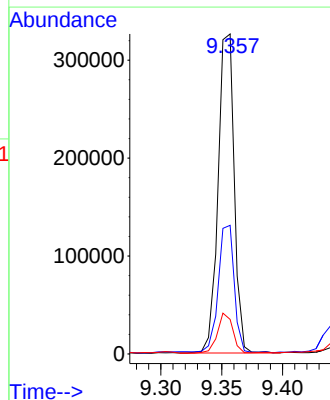
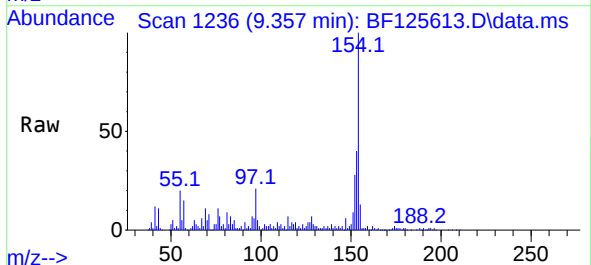
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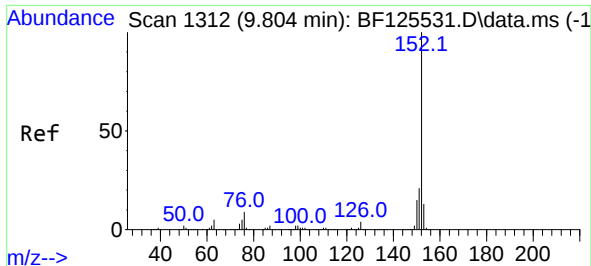
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#46
1,1'-Biphenyl
Concen: 8.478 ng
RT: 9.357 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

Tgt Ion:154 Resp: 301155
Ion Ratio Lower Upper
154 100
153 40.2 20.0 60.0
76 10.8 0.0 30.3





#49

Acenaphthylene

Concen: 6.918 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF125613.D

Acq: 24 Sep 2021 2:35

Tgt Ion:	152	Resp:	299936
Ion	Ratio	Lower	Upper
152	100		
151	23.5	15.7	23.5#
153	35.1	9.8	14.8#

Instrument :

BNA_F

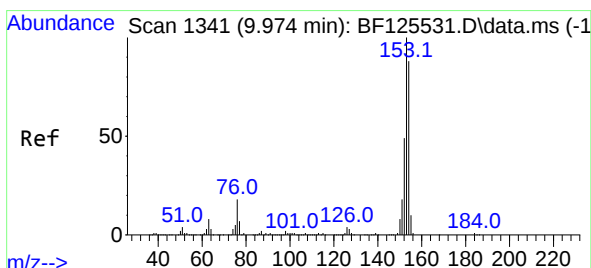
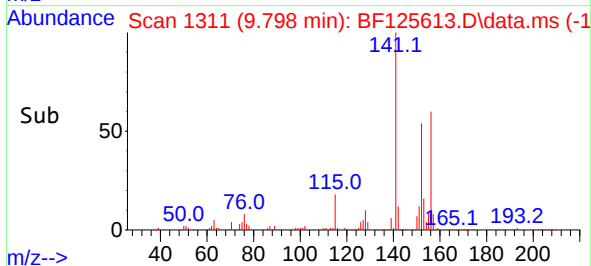
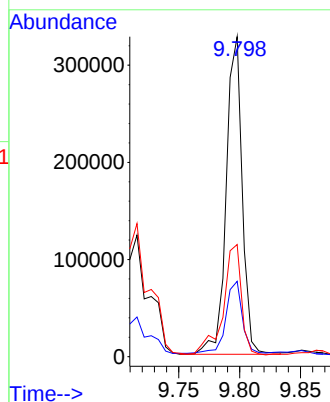
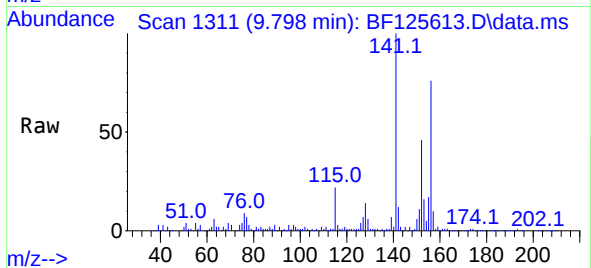
ClientSampleId :

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#52

Acenaphthene

Concen: 26.785 ng

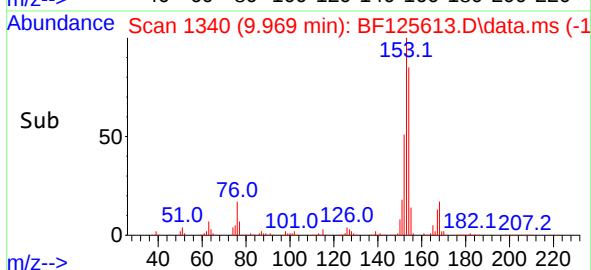
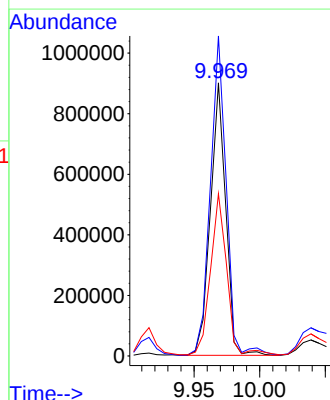
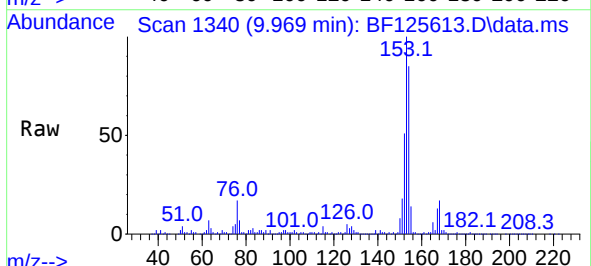
RT: 9.969 min Scan# 1340

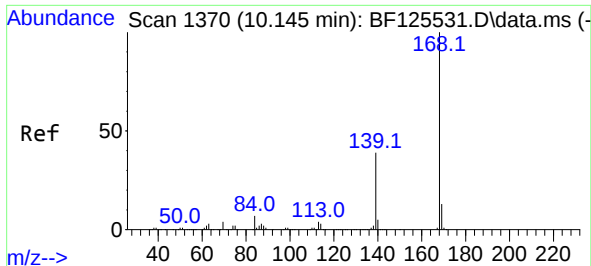
Delta R.T. -0.006 min

Lab File: BF125613.D

Acq: 24 Sep 2021 2:35

Tgt Ion:	154	Resp:	733095
Ion	Ratio	Lower	Upper
154	100		
153	117.1	89.4	134.2
152	59.4	40.5	60.7





#55
Dibenzenofuran
Concen: 6.857 ng
RT: 10.139 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

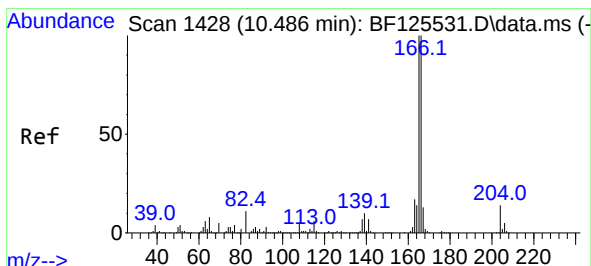
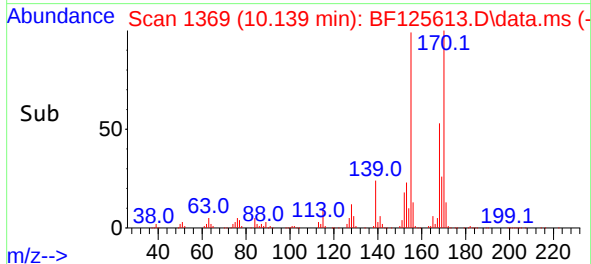
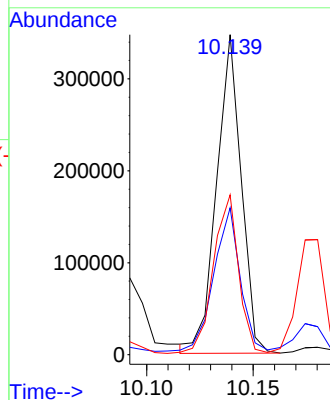
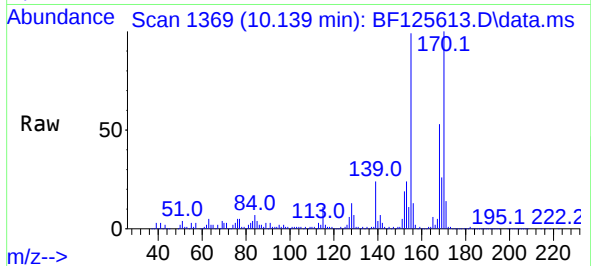
Tgt Ion:	168	139	169
Ion Ratio	100	45.9	50.0
Resp:	278493	32.7	11.2
Lower			
Upper		49.1	16.8#

Instrument :
BNA_F
ClientSampleId :
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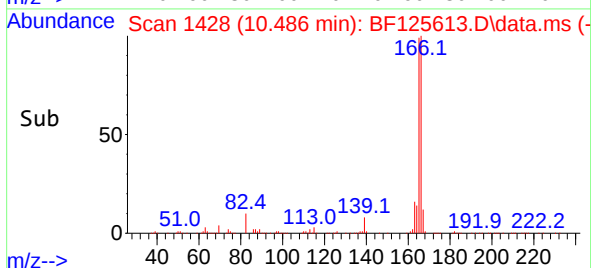
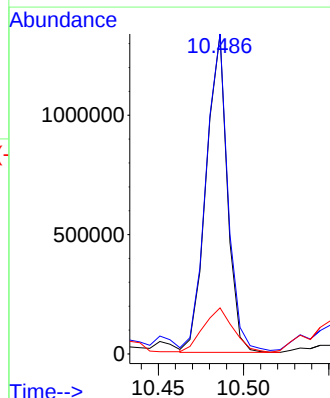
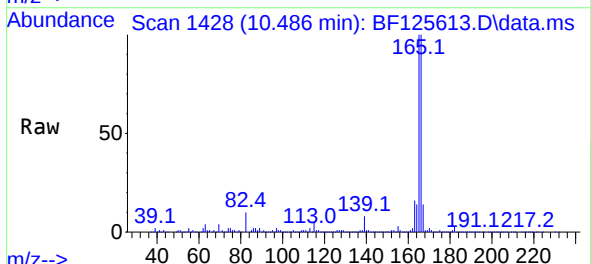
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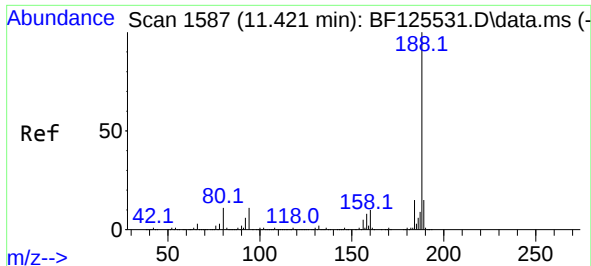
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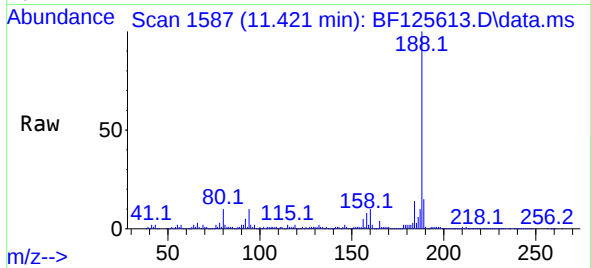
#58
Fluorene
Concen: 36.662 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.000 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

Tgt Ion:	166	165	167
Ion Ratio	100	100.1	14.4
Resp:	1145241	78.1	11.1
Lower			
Upper		117.1	16.7

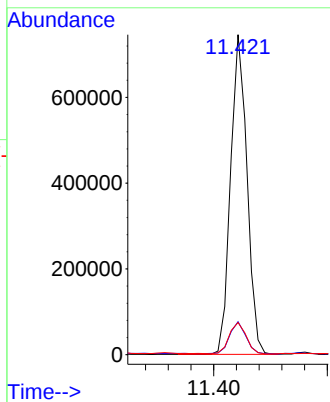
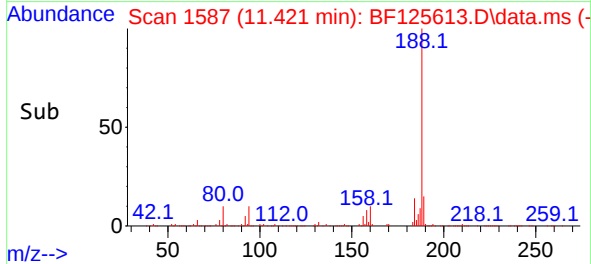




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35



Tgt Ion:188 Resp: 746434
Ion Ratio Lower Upper
188 100
94 10.3 6.7 10.1#
80 10.0 7.5 11.3

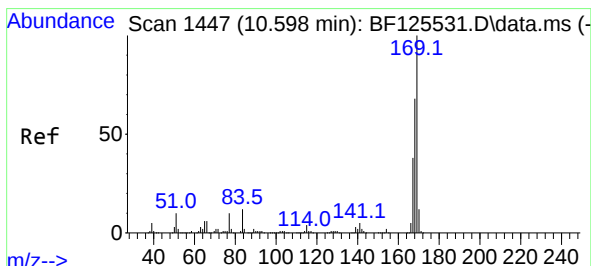


Instrument :
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ClientSampleId :
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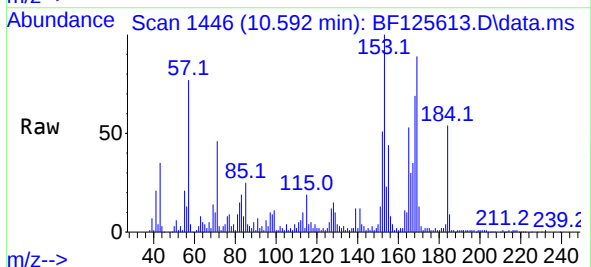
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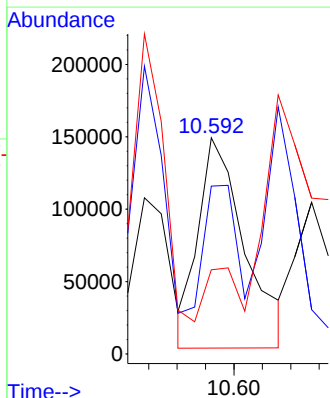
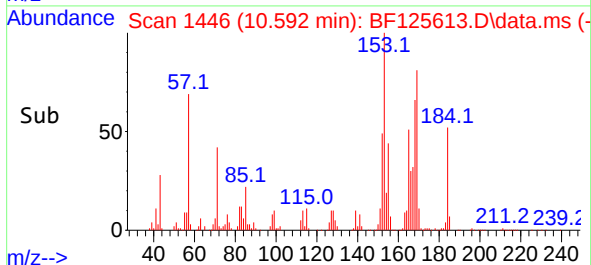
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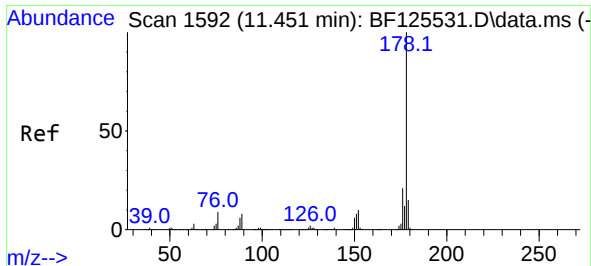


#66
n-Nitrosodiphenylamine
Concen: 6.085 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

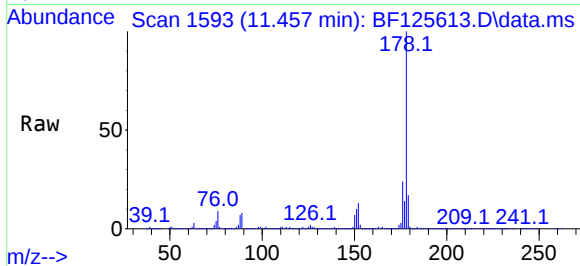


Tgt Ion:169 Resp: 164890
Ion Ratio Lower Upper
169 100
168 77.7 50.8 76.2#
167 39.0 28.8 43.2

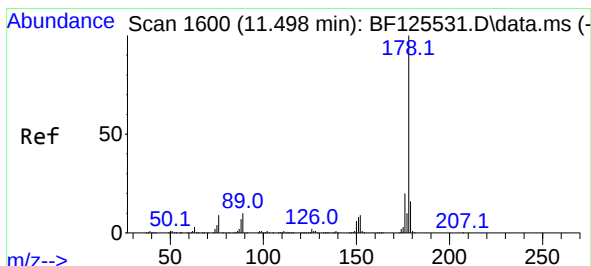
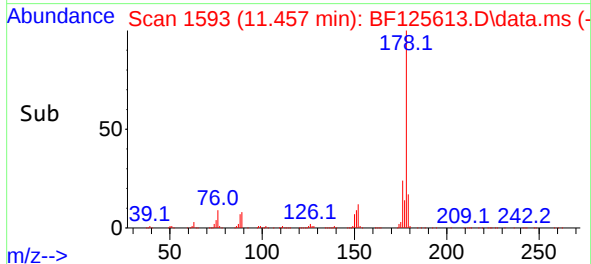
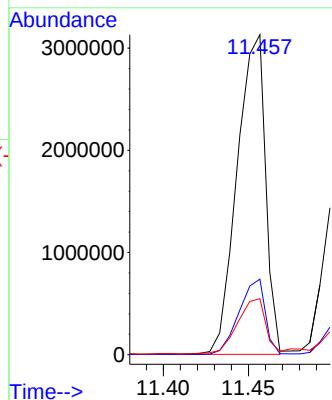




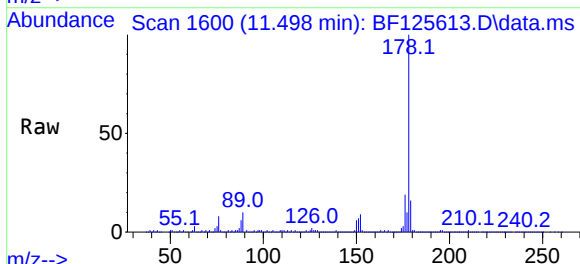
#71
Phenanthrene
Concen: 86.663 ng m
RT: 11.457 min Scan# 1593
Delta R.T. 0.006 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35



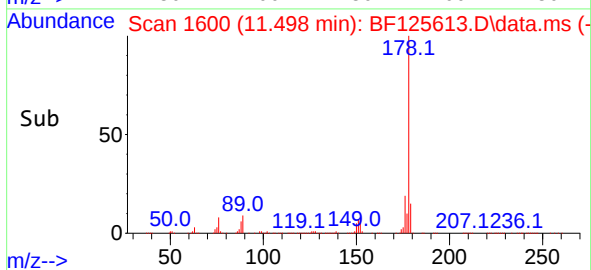
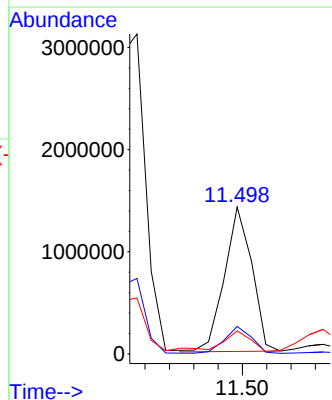
Tgt Ion:178 Resp: 3633658
Ion Ratio Lower Upper
178 100
176 23.6 14.7 22.1#
179 17.5 11.5 17.3#



#72
Anthracene
Concen: 26.467 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.000 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35



Tgt Ion:178 Resp: 1106199
Ion Ratio Lower Upper
178 100
176 18.8 14.3 21.5
179 15.7 12.2 18.4

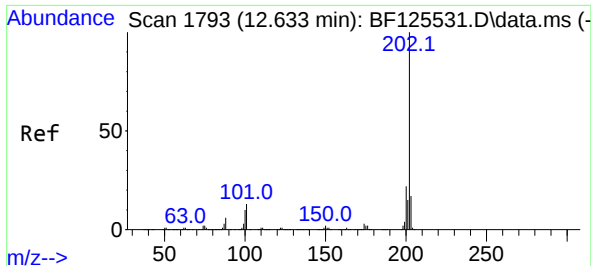


Instrument :
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ClientSampleId :
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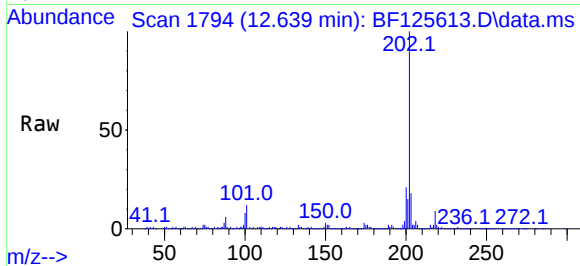
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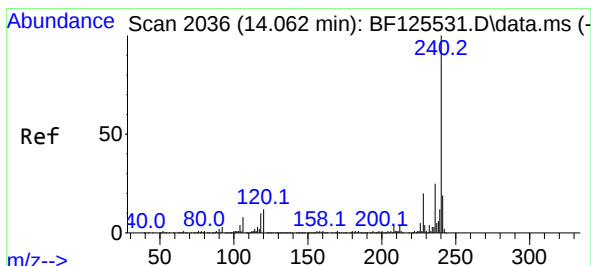
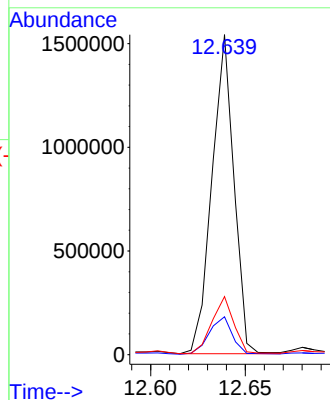
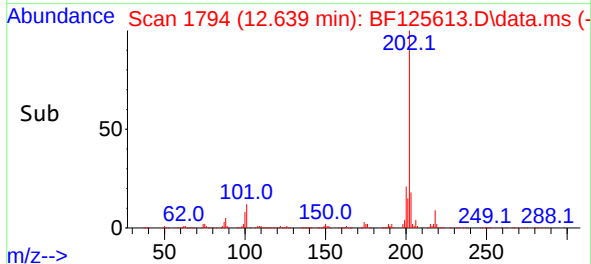


#75
Fluoranthene
Concen: 30.218 ng
RT: 12.639 min Scan# 1794
Delta R.T. 0.006 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

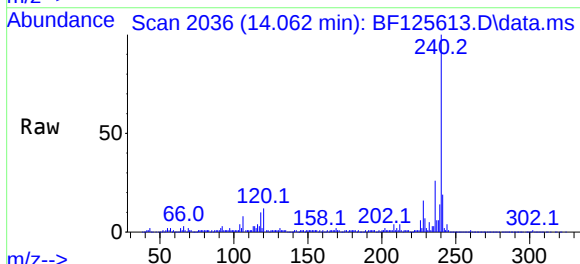


Tgt Ion:202 Resp: 1242986

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	30.7
203	18.2	0.0	36.3

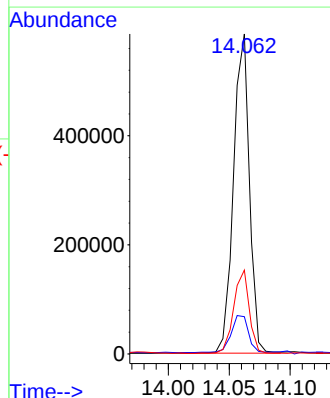
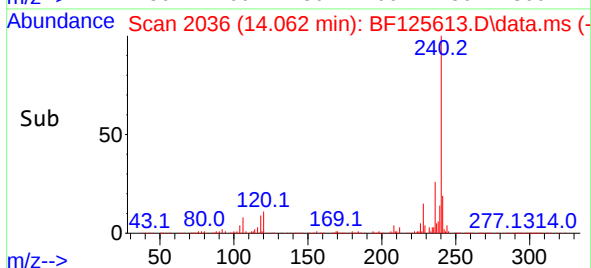


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.000 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35



Tgt Ion:240 Resp: 532257

Ion	Ratio	Lower	Upper
240	100		
120	11.6	10.8	16.2
236	26.2	21.6	32.4

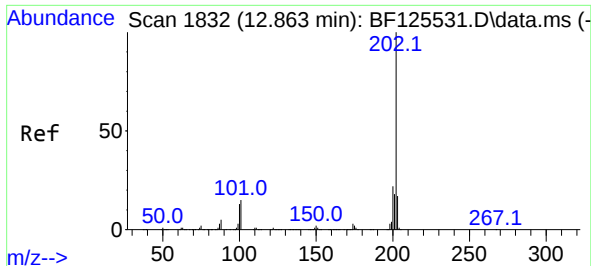


Instrument :
BNA_F
ClientSampleId :
SP-LPA-01

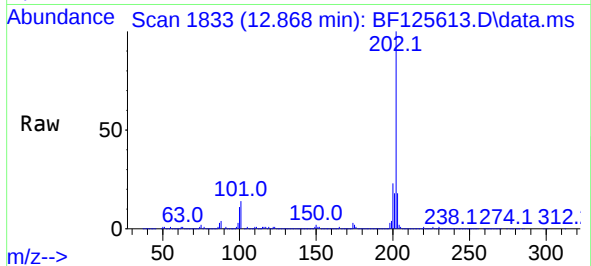
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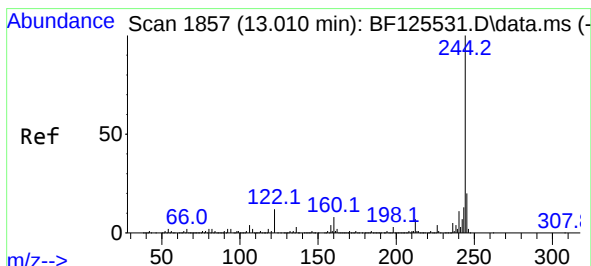
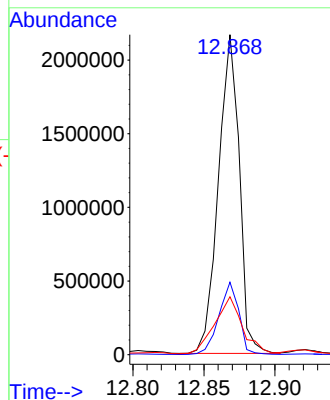
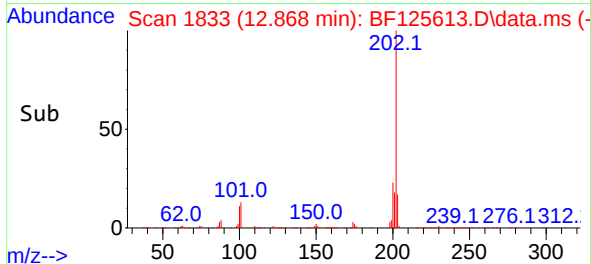
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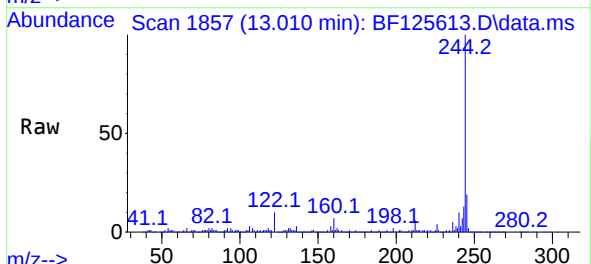
#78
 Pyrene
 Concen: 44.269 ng
 RT: 12.868 min Scan# 1833
 Delta R.T. 0.006 min
 Lab File: BF125613.D
 Acq: 24 Sep 2021 2:35



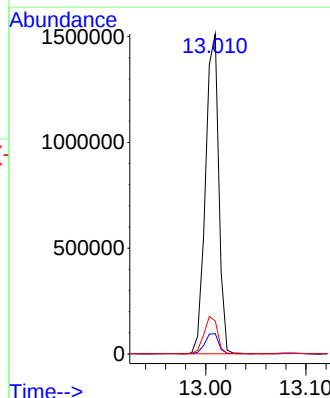
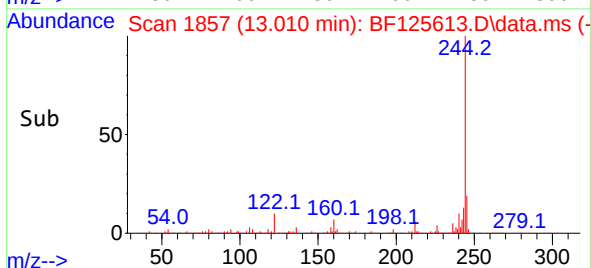
Tgt Ion:202 Resp: 2208065
 Ion Ratio Lower Upper
 202 100
 200 22.6 15.3 22.9
 203 18.1 13.4 20.0



#79
 Terphenyl-d14
 Concen: 42.155 ng
 RT: 13.010 min Scan# 1857
 Delta R.T. -0.000 min
 Lab File: BF125613.D
 Acq: 24 Sep 2021 2:35



Tgt Ion:244 Resp: 1389477
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.9 8.9
 122 10.4 9.0 13.4

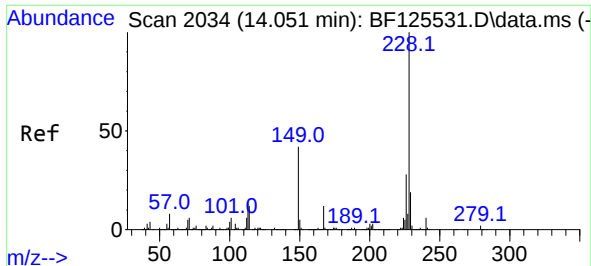


Instrument :
 BNA_F
 ClientSampled :
 SP-LPA-01

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#81
Benzo(a)anthracene
Concen: 17.855 ng m
RT: 14.051 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

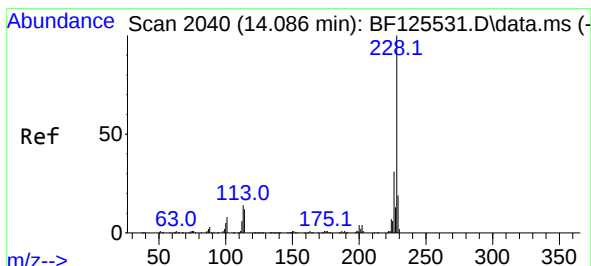
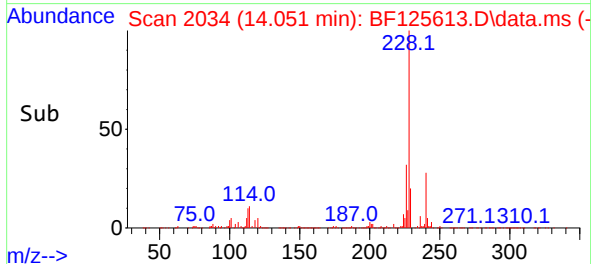
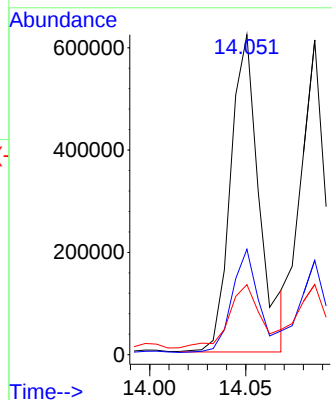
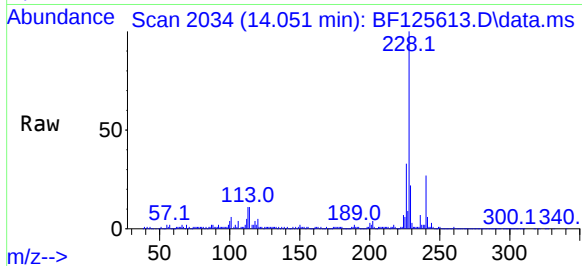
Tgt Ion:228 Resp: 646931
Ion Ratio Lower Upper
228 100
226 32.9 21.6 32.4#
229 21.9 15.6 23.4

Instrument :
BNA_F
ClientSampleId :
SP-LPA-01

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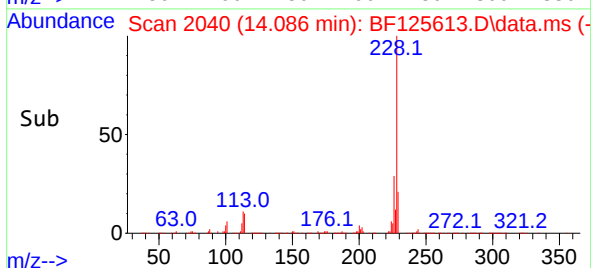
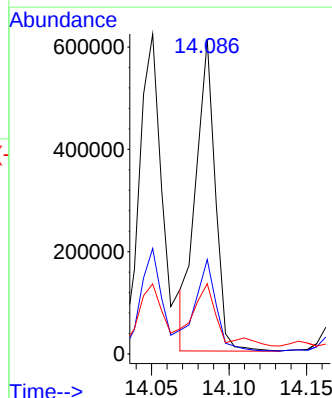
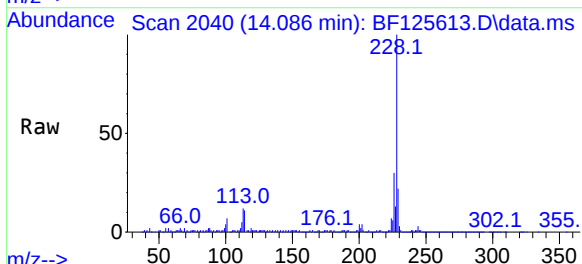
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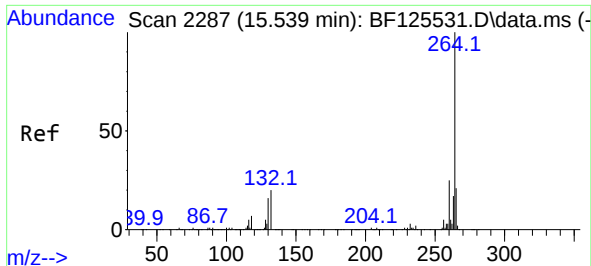
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#83
Chrysene
Concen: 14.551 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.000 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

Tgt Ion:228 Resp: 532575
Ion Ratio Lower Upper
228 100
226 30.0 22.6 34.0
229 22.3 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. 0.006 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

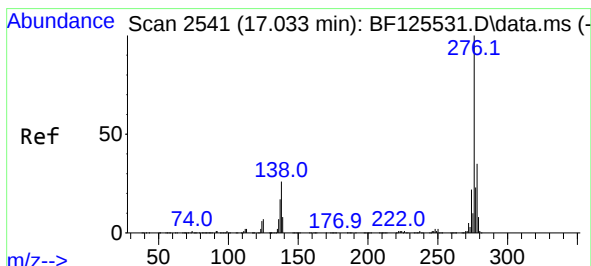
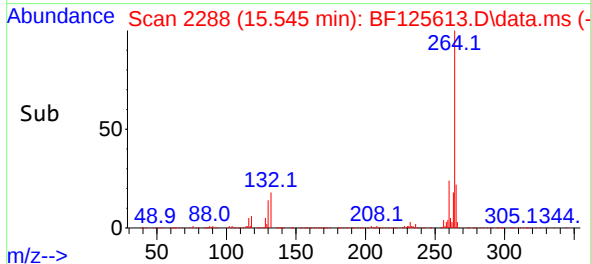
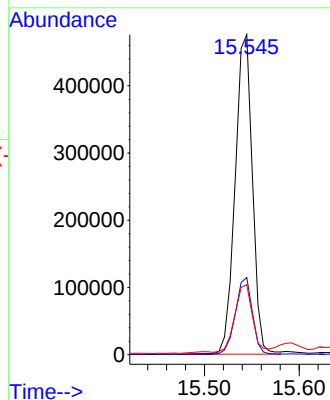
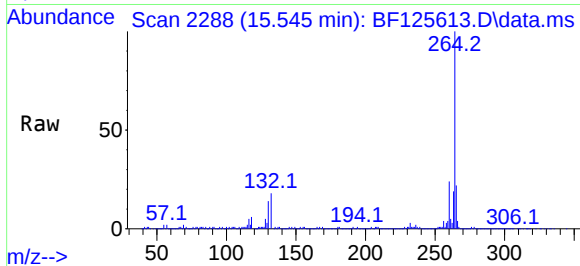
Tgt Ion:	264	Resp:	602786
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.6	29.4
265	21.9	17.2	25.8

Instrument :
BNA_F
ClientSampleId :
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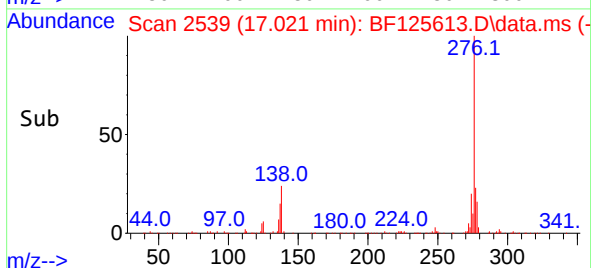
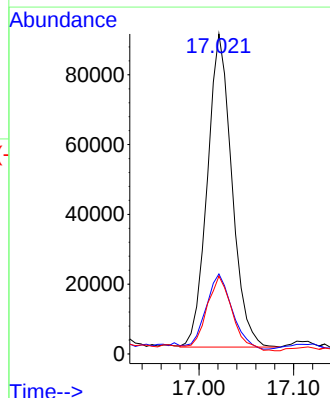
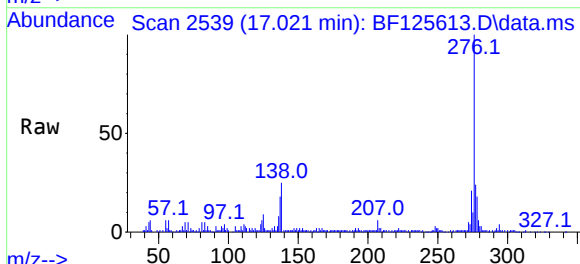
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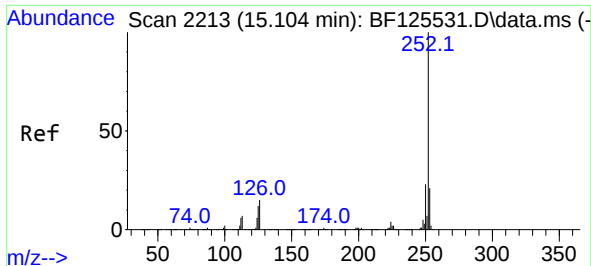
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#87
Indeno(1,2,3-cd)pyrene
Concen: 3.734 ng
RT: 17.021 min Scan# 2539
Delta R.T. -0.012 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

Tgt Ion:	276	Resp:	161594
Ion Ratio	Lower	Upper	
276	100		
138	25.8	24.1	36.1
277	24.9	18.8	28.2





#88
Benzo(b)fluoranthene
Concen: 9.251 ng m
RT: 15.104 min Scan# 2213
Delta R.T. -0.000 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

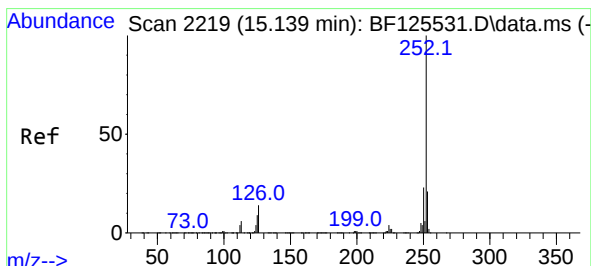
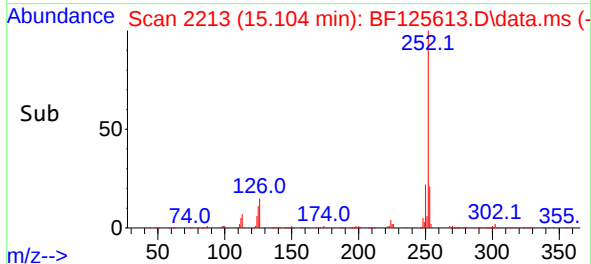
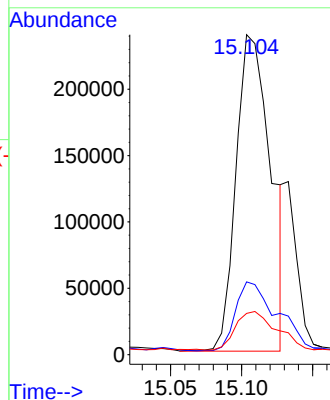
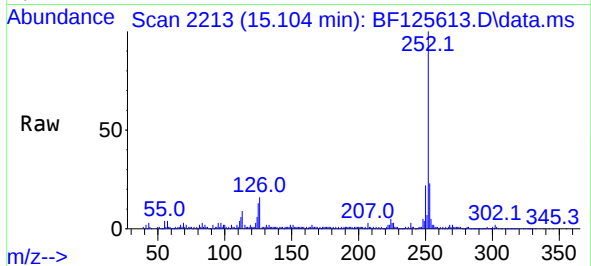
Tgt Ion:252 Resp: 407813
Ion Ratio Lower Upper
252 100
253 22.7 16.8 25.2
125 12.9 9.8 14.8

Instrument :
BNA_F
ClientSampleId :
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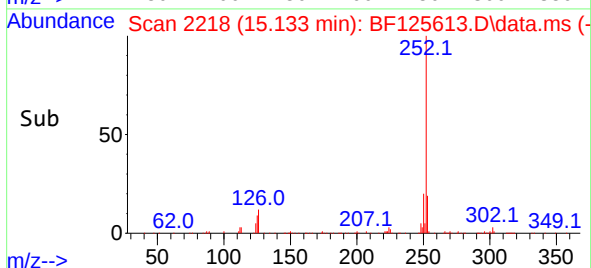
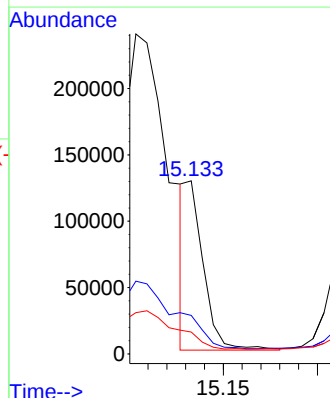
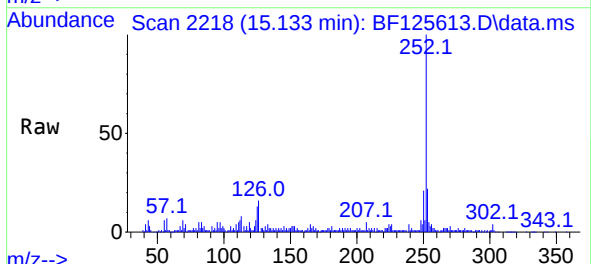
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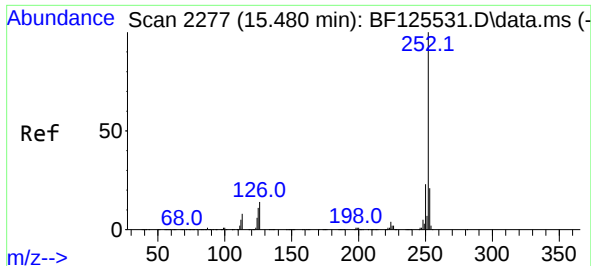
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#89
Benzo(k)fluoranthene
Concen: 2.019 ng m
RT: 15.133 min Scan# 2218
Delta R.T. -0.006 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

Tgt Ion:252 Resp: 81406
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 12.7 7.2 10.8#





#90
Benzo(a)pyrene
Concen: 11.993 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.006 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

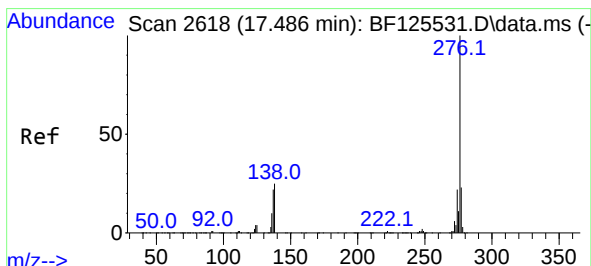
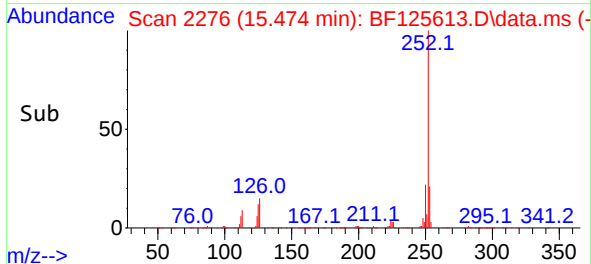
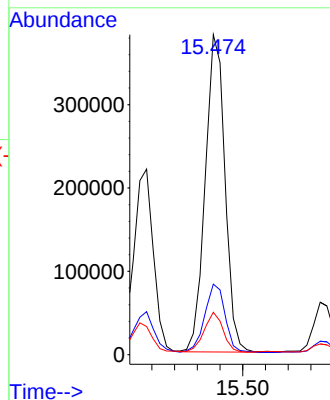
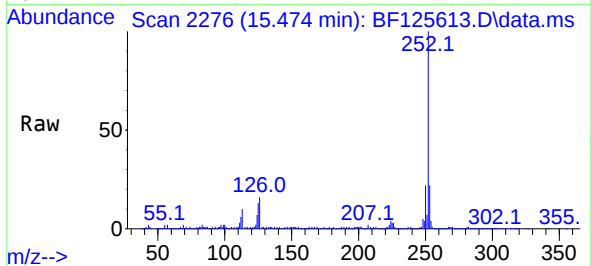
Tgt Ion:	252	Resp:	460151
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.4	27.6
125	13.2	9.9	14.9

Instrument :
BNA_F
ClientSampleId :
SP-LPA-01

Manual Integrations
APPROVED

mohammad

9/24/2021 5:30:26 PM



#92
Benzo(g,h,i)perylene
Concen: 5.452 ng
RT: 17.468 min Scan# 2615
Delta R.T. -0.018 min
Lab File: BF125613.D
Acq: 24 Sep 2021 2:35

Tgt Ion:	276	Resp:	197347
Ion Ratio	Lower	Upper	
276	100		
277	22.0	22.0	33.0
138	24.9	22.2	33.4

