

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
 Data File : BF125974.D
 Acq On : 27 Oct 2021 20:53
 Operator : JU/CG
 Sample : M4348-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 370

Manual Integrations
 APPROVED

mohammad
 10/29/2021 2:22:51 PM

Quant Time: Oct 28 09:00:49 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 25 18:49:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	175494	20.000	ng	-0.01
21) Naphthalene-d8	8.139	136	706171	20.000	ng	#-0.02
39) Acenaphthene-d10	9.892	164	391218	20.000	ng	-0.02
64) Phenanthrene-d10	11.375	188	626816	20.000	ng	#-0.02
76) Chrysene-d12	14.016	240	393744	20.000	ng	#-0.02
86) Perylene-d12	15.480	264	441125	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1381155	117.227	ng	0.00
7) Phenol-d6	6.481	99	1752110	108.424	ng	-0.01
23) Nitrobenzene-d5	7.416	82	1146290	83.846	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	345404	101.279	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	1607280	72.654	ng	-0.02
79) Terphenyl-d14	12.963	244	1404167	58.333	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.157	128	251814	7.013	ng	97
37) 2-Methylnaphthalene	8.851	142	89175	3.858	ng	97
38) 1-Methylnaphthalene	8.951	142	55984	2.510	ng	92
52) Acenaphthene	9.922	154	405885	19.138	ng	99
55) Dibenzofuran	10.092	168	316924	10.005	ng	96
58) Fluorene	10.439	166	431955	19.046	ng	100
71) Phenanthrene	11.404	178	1894793	58.257	ng	97
72) Anthracene	11.451	178	228751	7.044	ng	98
73) Carbazole	11.604	167	156759	5.078	ng	97
75) Fluoranthene	12.592	202	1882985	57.429	ng	97
78) Pyrene	12.822	202	1392653	38.007	ng	97
81) Benzo(a)anthracene	14.004	228	436271	16.463	ng	97
83) Chrysene	14.039	228	439177	16.379	ng	97
88) Benzo(b)fluoranthene	15.051	252	398719m	13.694	ng	
89) Benzo(k)fluoranthene	15.074	252	107614m	3.848	ng	
90) Benzo(a)pyrene	15.410	252	197580	8.406	ng	98

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

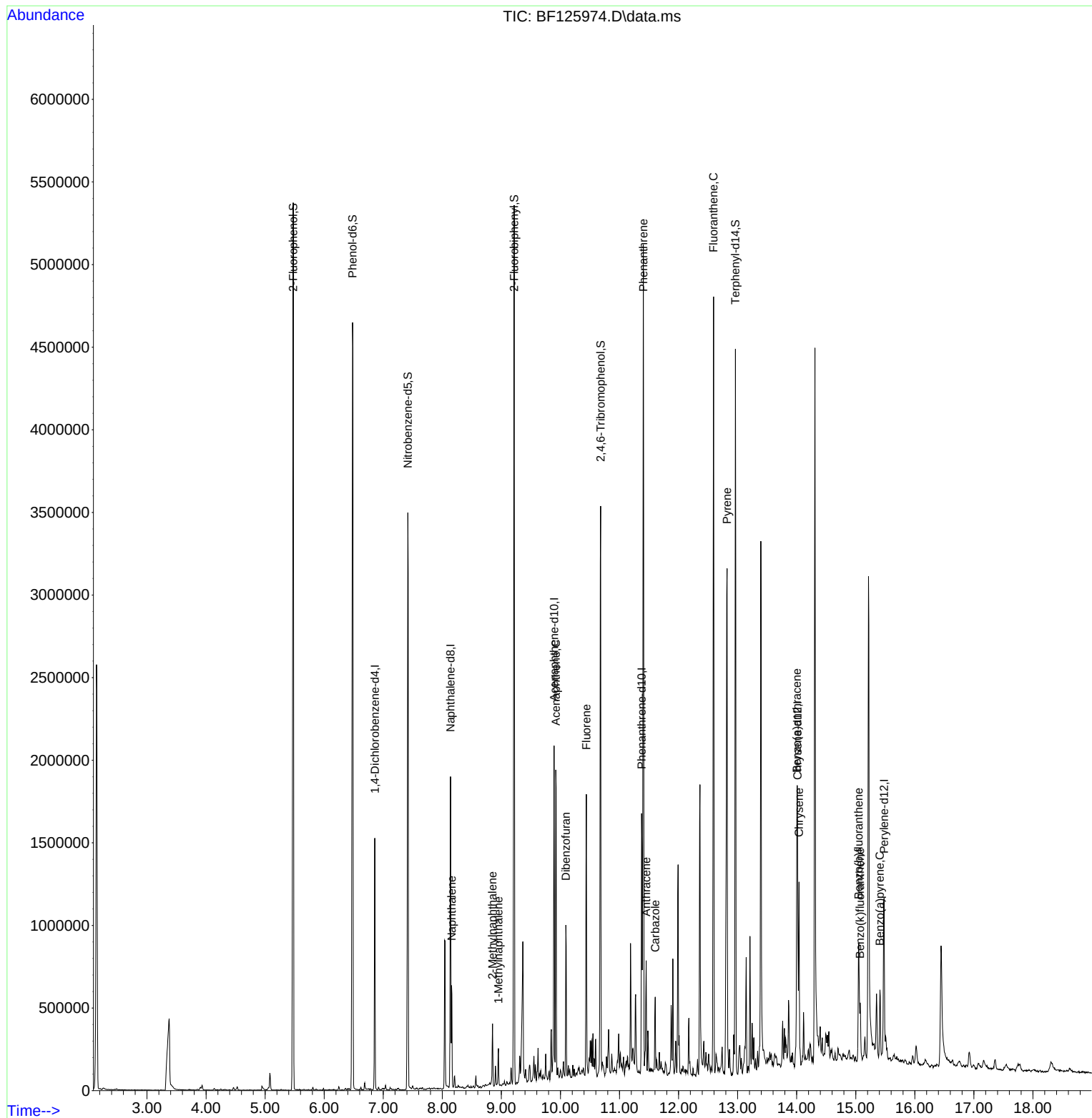
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
Data File : BF125974.D
Acq On : 27 Oct 2021 20:53
Operator : JU/CG
Sample : M4348-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

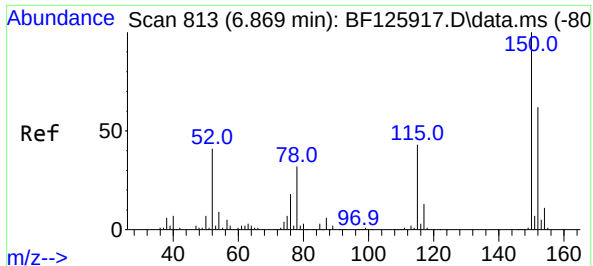
Instrument :
BNA_F
ClientSampleId :
370

Manual Integrations
APPROVED

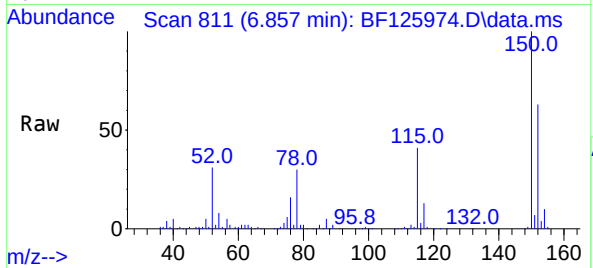
mohammad
10/29/2021 2:22:51 PM

Quant Time: Oct 28 09:00:49 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 25 18:49:16 2021
Response via : Initial Calibration

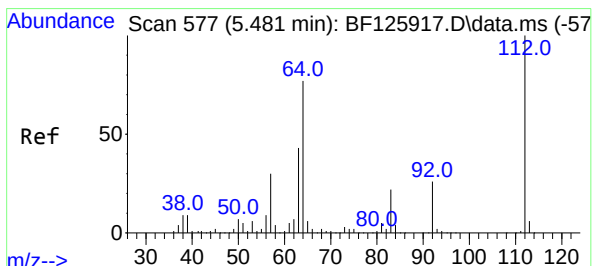
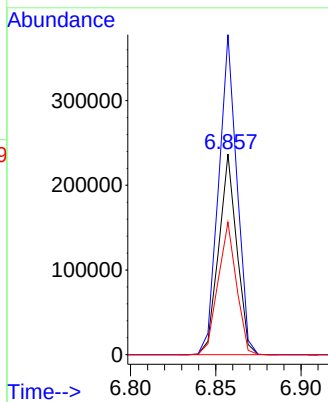
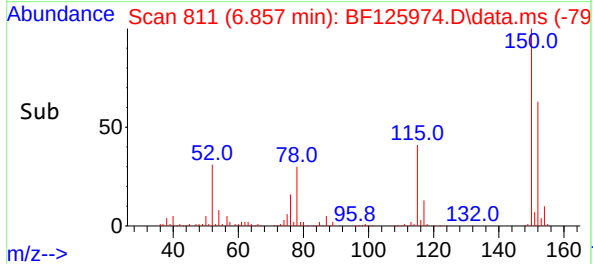




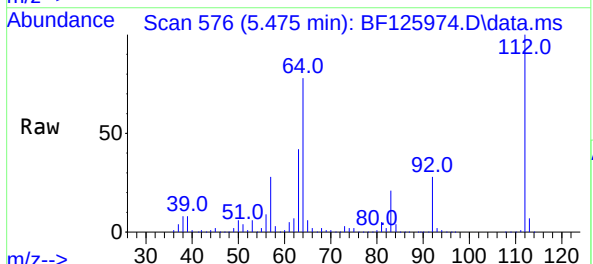
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53



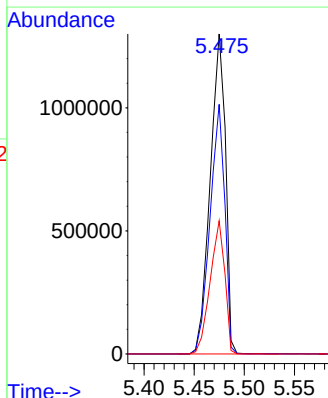
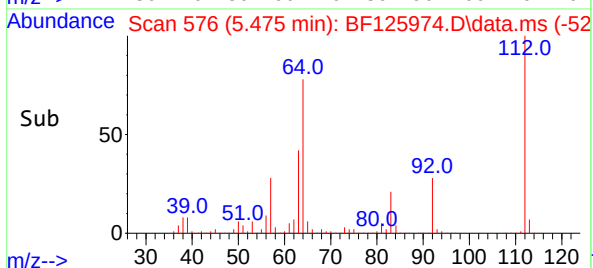
Tgt Ion:152 Resp: 175494
Ion Ratio Lower Upper
152 100
150 159.4 117.6 176.4
115 66.0 47.1 70.7



#5
2-Fluorophenol
Concen: 117.227 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53



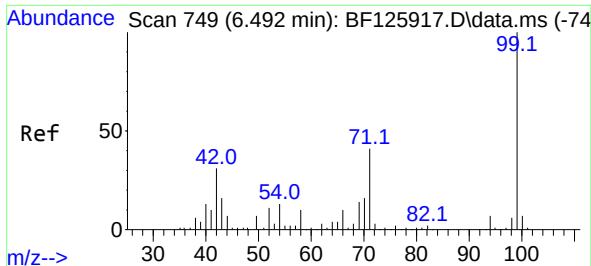
Tgt Ion:112 Resp: 1381155
Ion Ratio Lower Upper
112 100
64 78.0 44.2 66.2#
63 41.6 26.2 39.2#



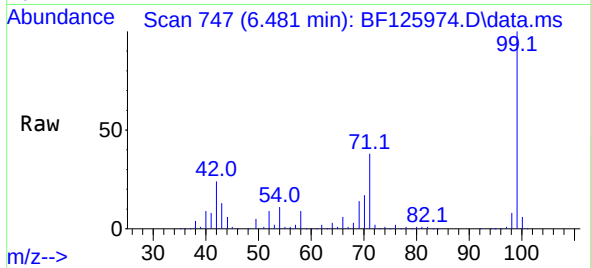
Instrument :
BNA_F
ClientSampled :
370

Manual Integrations
APPROVED

mohammad
10/29/2021 2:22:51 PM

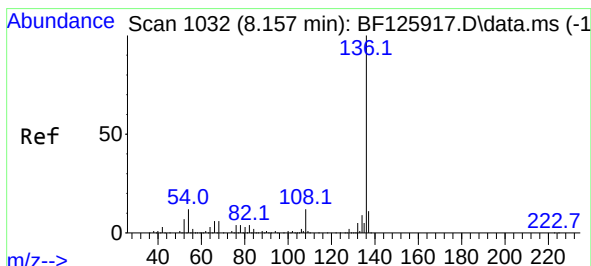
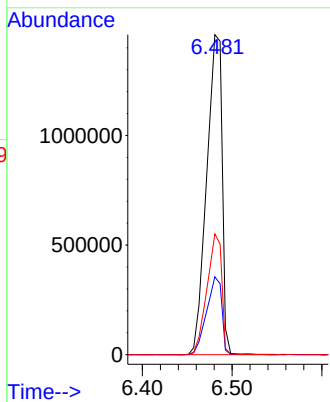
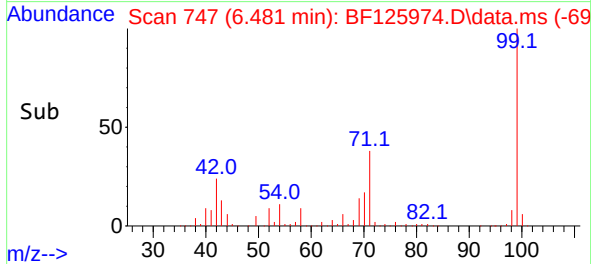


#7
Phenol-d6
Concen: 108.424 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53

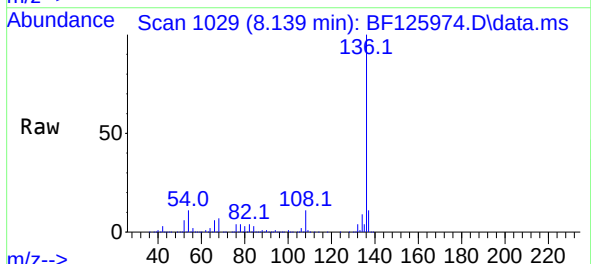


Tgt Ion: 99 Resp: 1752110

Ion	Ratio	Lower	Upper
99	100		
42	24.3	23.5	35.3
71	37.8	25.6	38.4

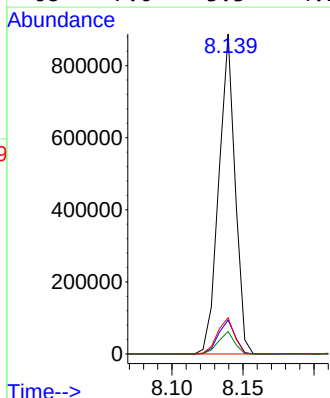
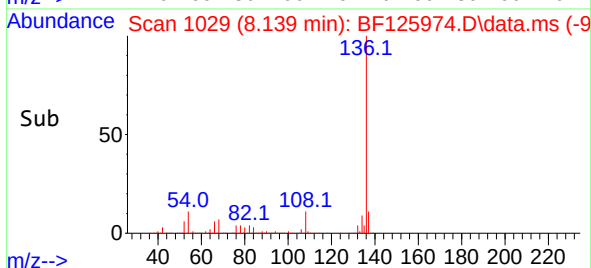


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53



Tgt Ion: 136 Resp: 706171

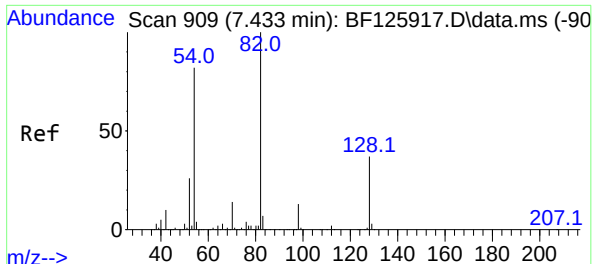
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.8	14.6
54	11.3	6.4	9.6#
68	7.0	3.3	4.9#



Instrument :
BNA_F
ClientSampled :
370

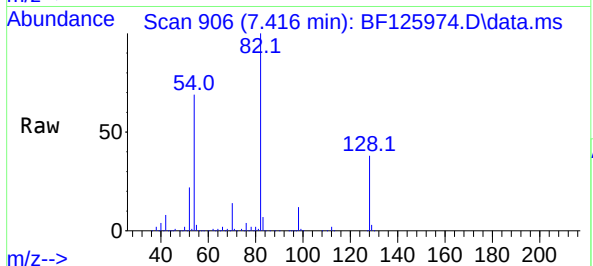
Manual Integrations
APPROVED

mohammad
10/29/2021 2:22:51 PM



#23
Nitrobenzene-d5
Concen: 83.846 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.017 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53

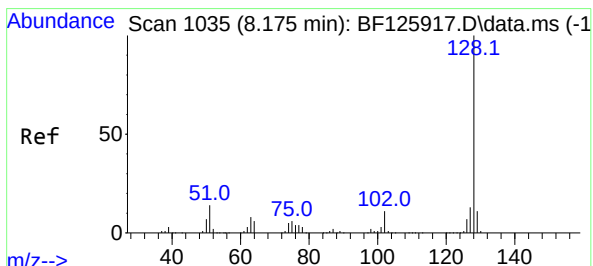
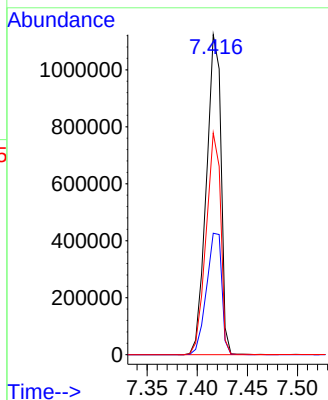
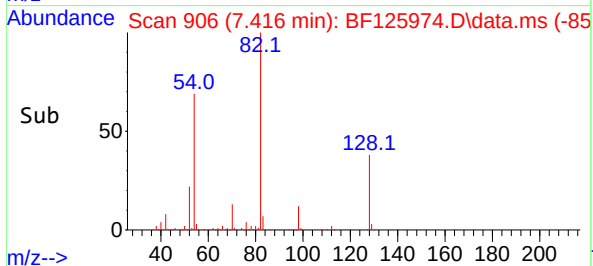
Instrument :
BNA_F
ClientSampled :
370



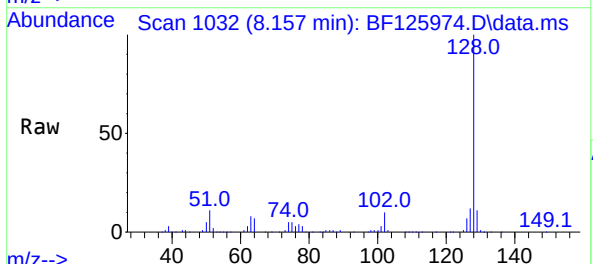
Tgt Ion: 82 Resp: 1146290
Ion Ratio Lower Upper
82 100
128 38.0 40.6 60.8#
54 69.3 49.6 74.4

Manual Integrations
APPROVED

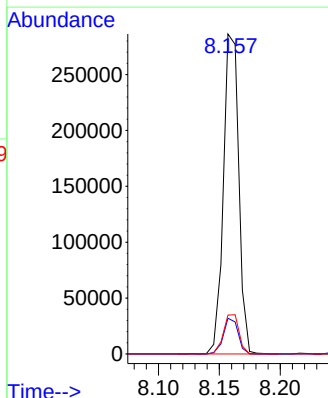
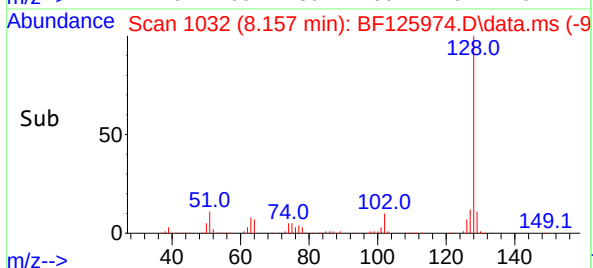
mohammad
10/29/2021 2:22:51 PM

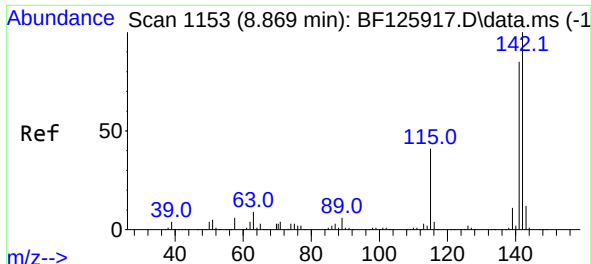


#31
Naphthalene
Concen: 7.013 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53



Tgt Ion: 128 Resp: 251814
Ion Ratio Lower Upper
128 100
129 11.2 9.4 14.0
127 12.1 10.9 16.3





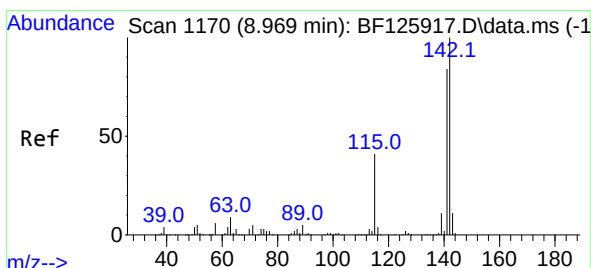
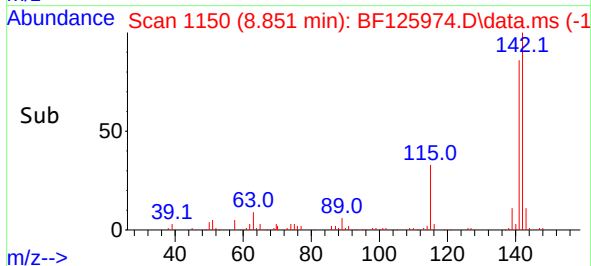
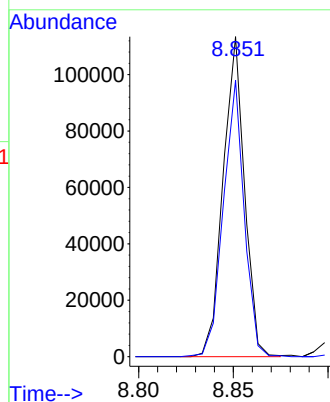
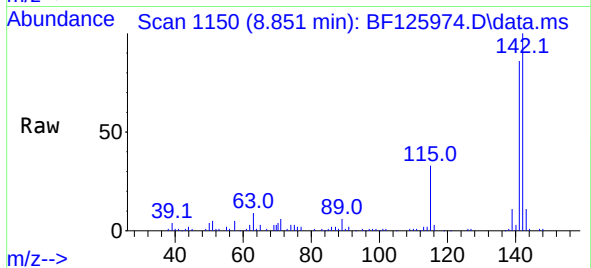
#37
2-Methylnaphthalene
Concen: 3.858 ng
RT: 8.851 min Scan# 1150
Delta R.T. -0.017 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53

Instrument :
BNA_F
ClientSampled :
370

Tgt Ion:142 Resp: 89175
Ion Ratio Lower Upper
142 100
141 86.4 71.2 106.8

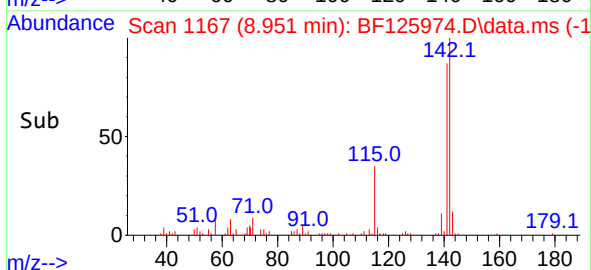
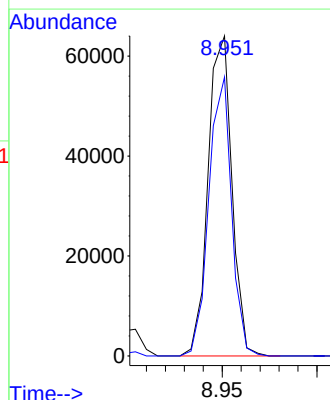
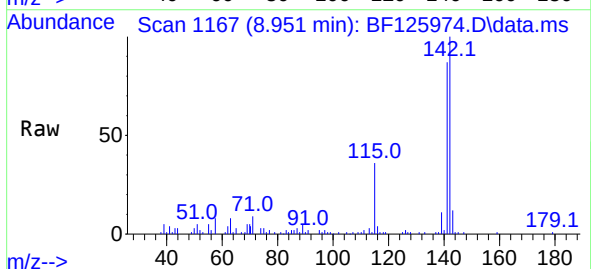
Manual Integrations
APPROVED

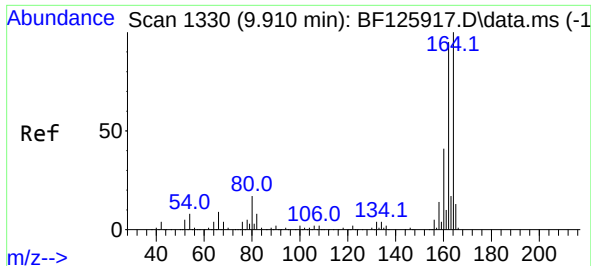
mohammad
10/29/2021 2:22:51 PM



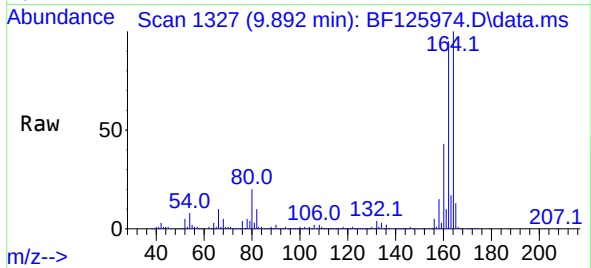
#38
1-Methylnaphthalene
Concen: 2.510 ng
RT: 8.951 min Scan# 1167
Delta R.T. -0.018 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53

Tgt Ion:142 Resp: 55984
Ion Ratio Lower Upper
142 100
141 87.1 76.0 114.0

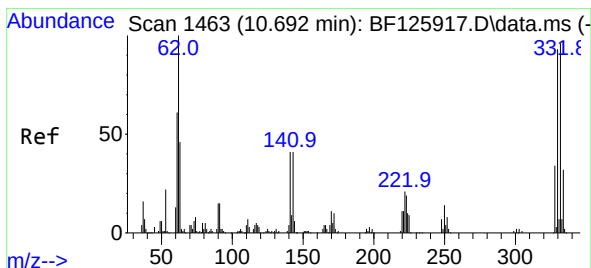
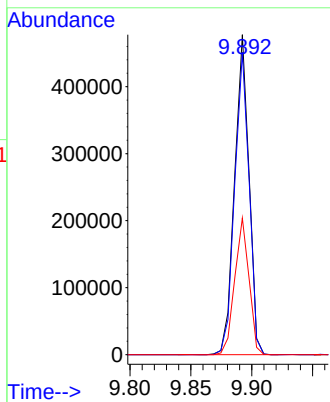
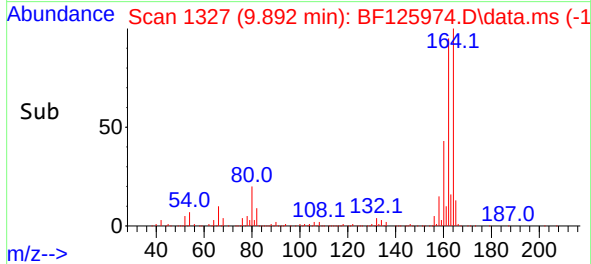




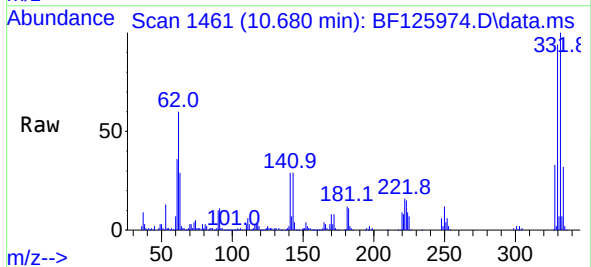
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53



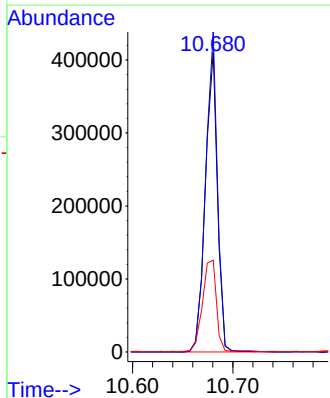
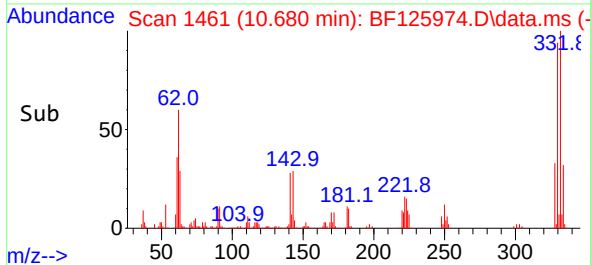
Tgt Ion:164 Resp: 391218
Ion Ratio Lower Upper
164 100
162 94.5 81.3 121.9
160 42.7 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 101.279 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53



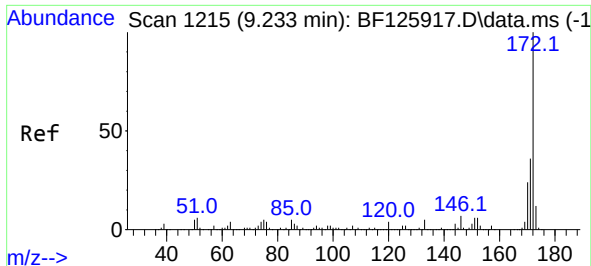
Tgt Ion:330 Resp: 345404
Ion Ratio Lower Upper
330 100
332 104.2 76.2 114.4
141 35.1 44.6 66.8#



Instrument :
BNA_F
ClientSampled :
370

Manual Integrations
APPROVED

mohammad
10/29/2021 2:22:51 PM



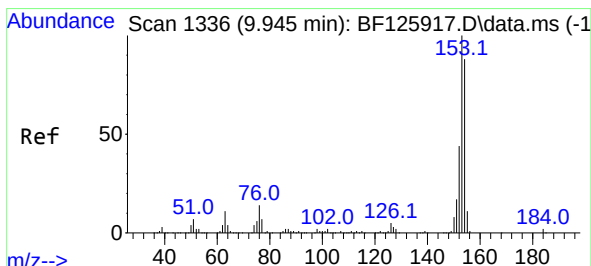
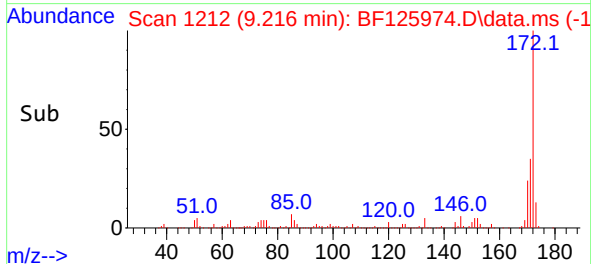
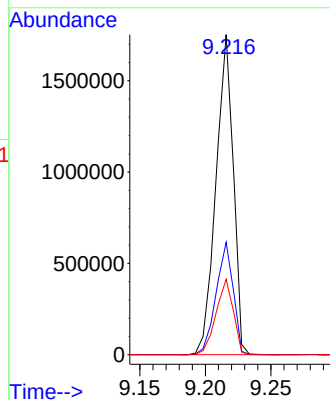
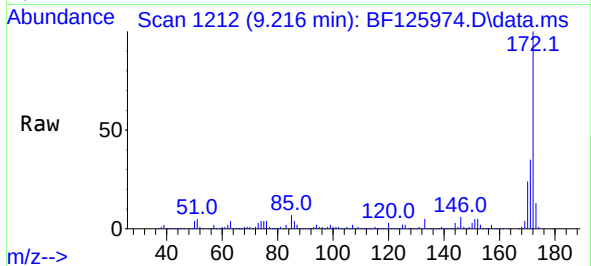
#45
2-Fluorobiphenyl
Concen: 72.654 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.017 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53

Instrument :
BNA_F
ClientSampled :
370

Tgt Ion:172 Resp: 1607280
Ion Ratio Lower Upper
172 100
171 35.1 26.5 39.7
170 23.5 18.8 28.2

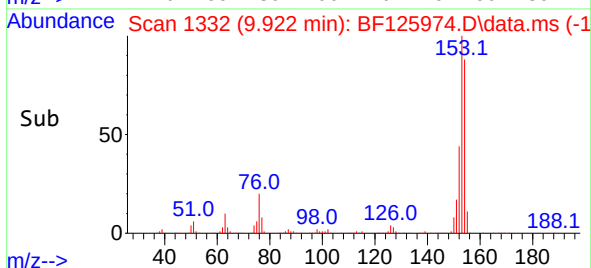
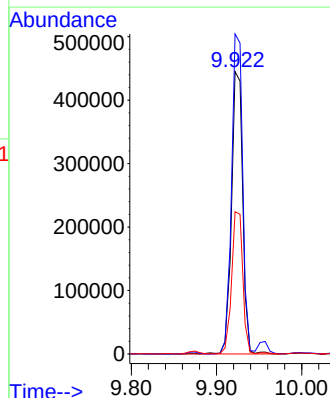
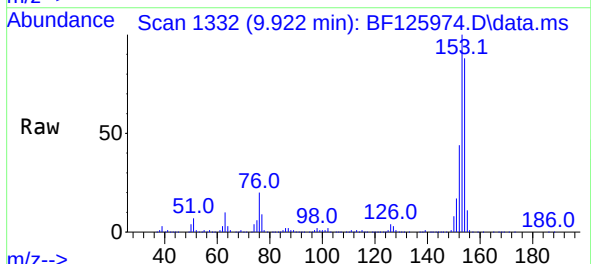
Manual Integrations
APPROVED

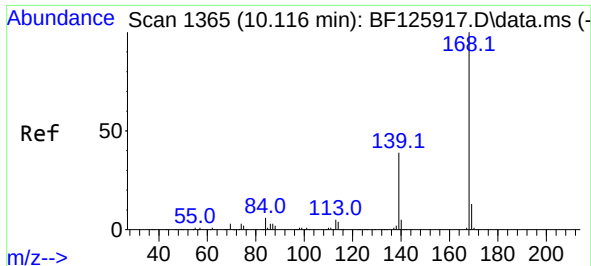
mohammad
10/29/2021 2:22:51 PM



#52
Acenaphthene
Concen: 19.138 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.023 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53

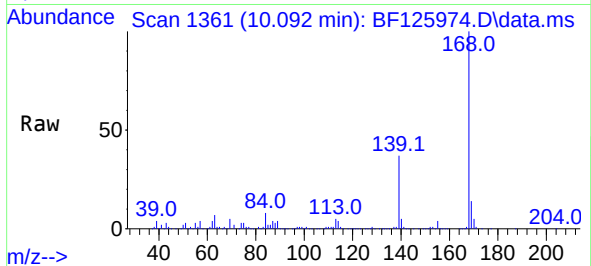
Tgt Ion:154 Resp: 405885
Ion Ratio Lower Upper
154 100
153 113.3 89.4 134.2
152 50.4 40.5 60.7





#55
Dibenzenofuran
Concen: 10.005 ng
RT: 10.092 min Scan# 1361
Delta R.T. -0.023 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53

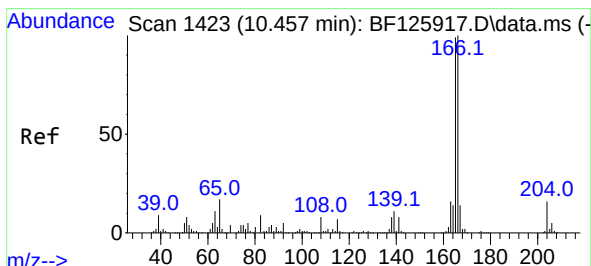
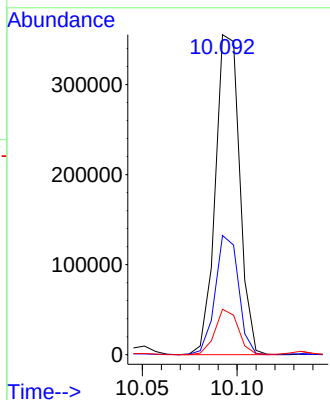
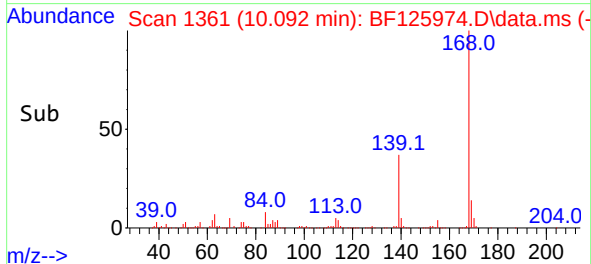
Instrument :
BNA_F
ClientSampled :
370



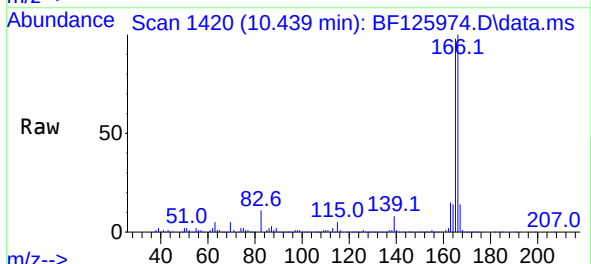
Tgt Ion:168 Resp: 316924
Ion Ratio Lower Upper
168 100
139 37.3 32.7 49.1
169 14.2 11.2 16.8

Manual Integrations
APPROVED

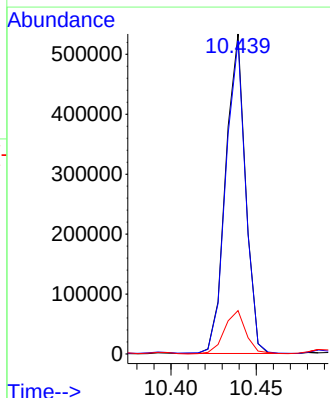
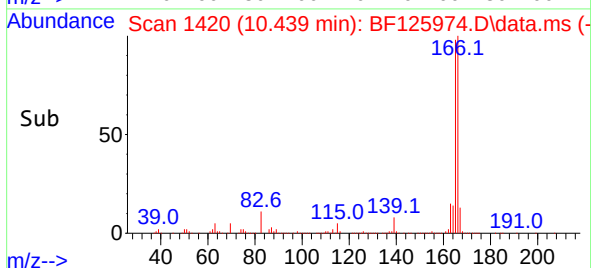
mohammad
10/29/2021 2:22:51 PM

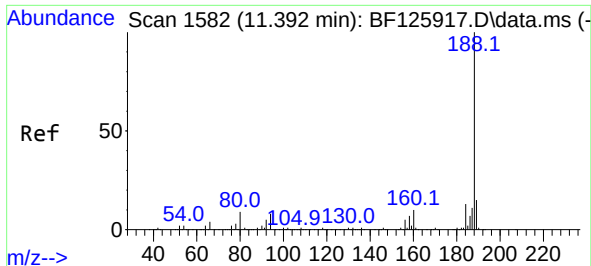


#58
Fluorene
Concen: 19.046 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.018 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53



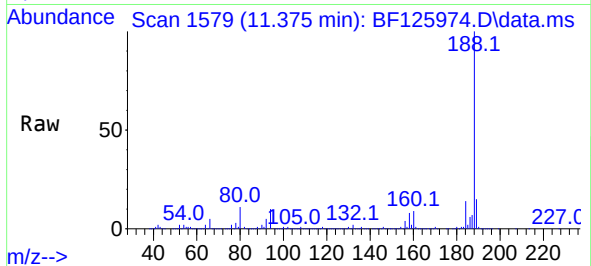
Tgt Ion:166 Resp: 431955
Ion Ratio Lower Upper
166 100
165 97.9 78.1 117.1
167 13.6 11.1 16.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.017 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53

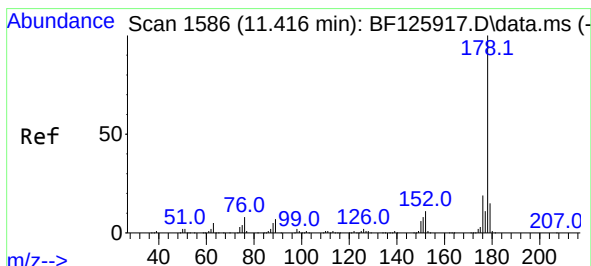
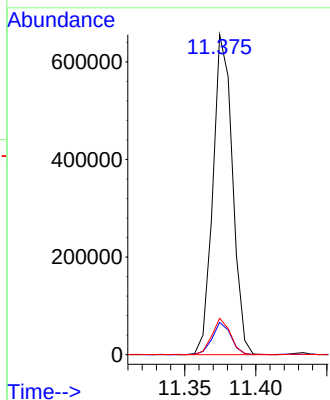
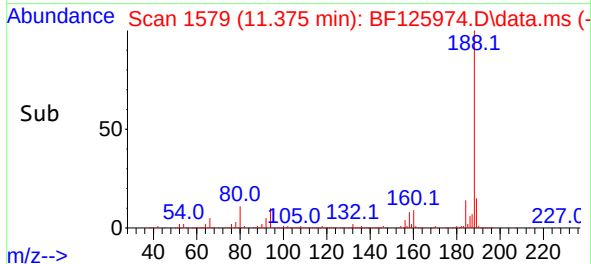
Instrument :
BNA_F
ClientSampled :
370



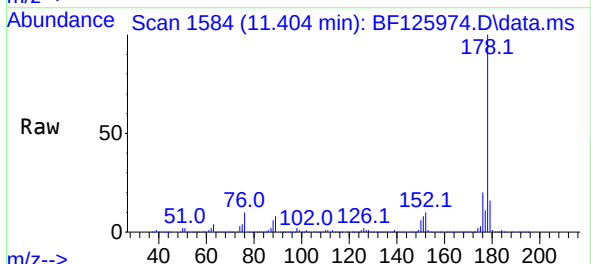
Tgt Ion:188 Resp: 626816
Ion Ratio Lower Upper
188 100
94 10.1 6.7 10.1#
80 11.4 7.5 11.3#

Manual Integrations
APPROVED

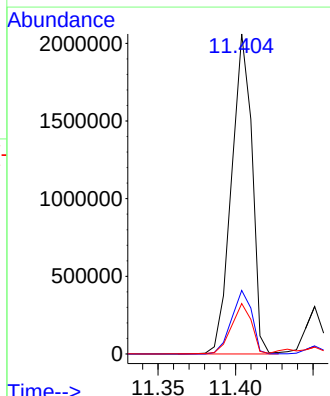
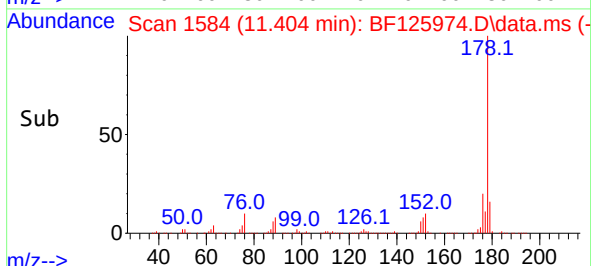
mohammad
10/29/2021 2:22:51 PM

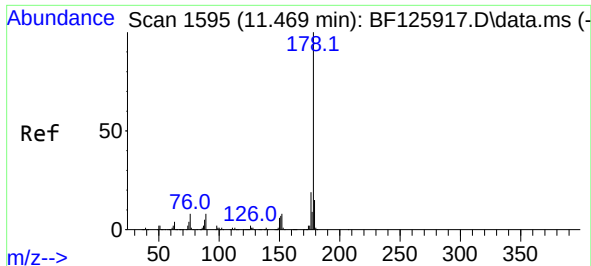


#71
Phenanthrene
Concen: 58.257 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53

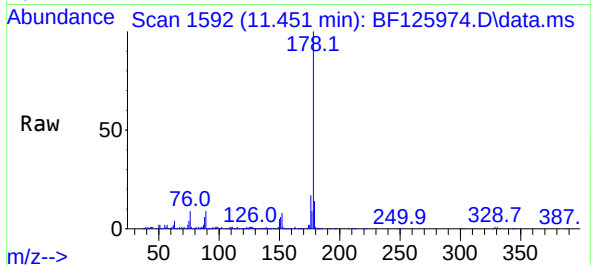


Tgt Ion:178 Resp: 1894793
Ion Ratio Lower Upper
178 100
176 19.9 14.7 22.1
179 15.7 11.5 17.3

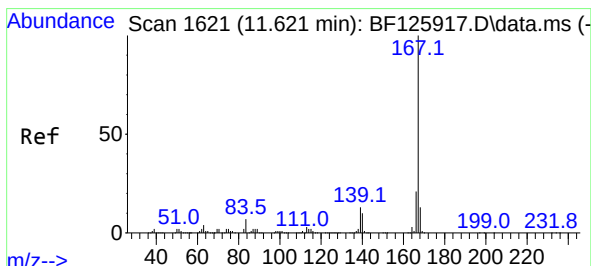
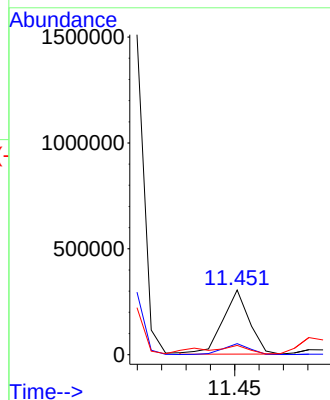
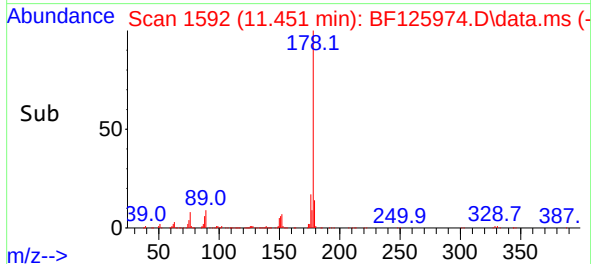




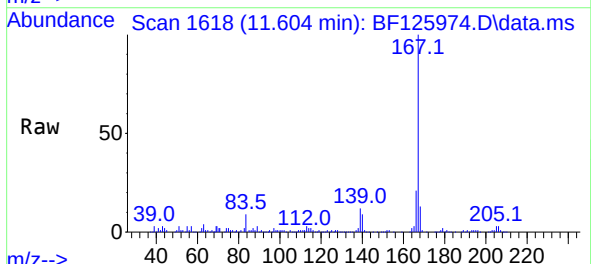
#72
 Anthracene
 Concen: 7.044 ng
 RT: 11.451 min Scan# 1592
 Delta R.T. -0.017 min
 Lab File: BF125974.D
 Acq: 27 Oct 2021 20:53



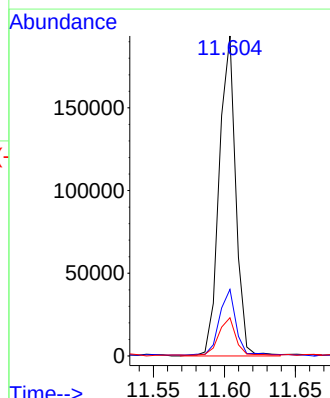
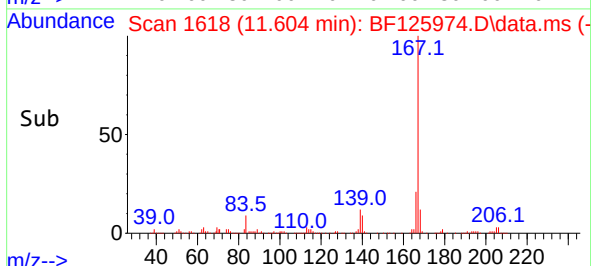
Tgt Ion:178 Resp: 228751
 Ion Ratio Lower Upper
 178 100
 176 17.0 14.3 21.5
 179 14.4 12.2 18.4



#73
 Carbazole
 Concen: 5.078 ng
 RT: 11.604 min Scan# 1618
 Delta R.T. -0.018 min
 Lab File: BF125974.D
 Acq: 27 Oct 2021 20:53



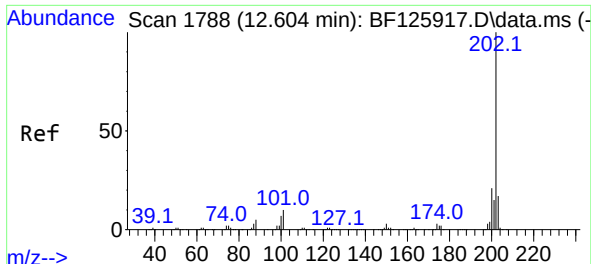
Tgt Ion:167 Resp: 156759
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.4 26.0
 139 11.9 11.0 16.4



Instrument :
 BNA_F
 ClientSampled :
 370

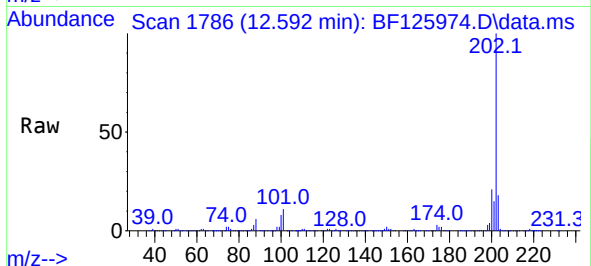
Manual Integrations
 APPROVED

mohammad
 10/29/2021 2:22:51 PM



#75
Fluoranthene
Concen: 57.429 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.012 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53

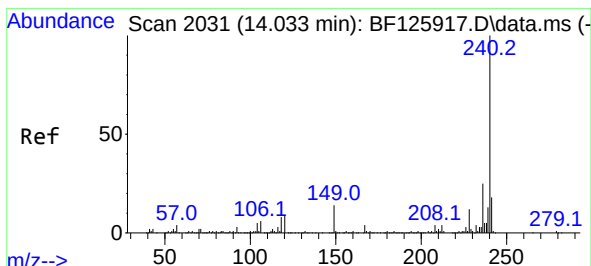
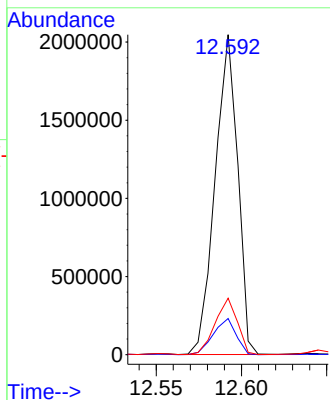
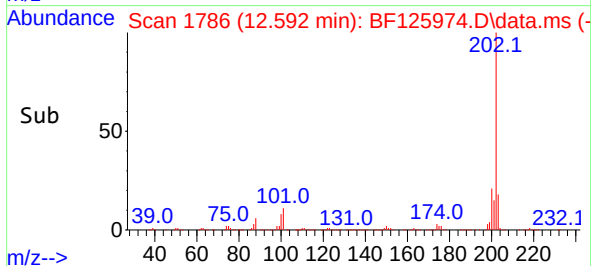
Instrument :
BNA_F
ClientSampled :
370



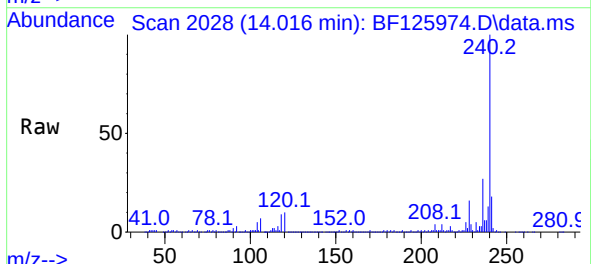
Tgt Ion:202 Resp: 1882985
Ion Ratio Lower Upper
202 100
101 11.3 0.0 30.7
203 17.7 0.0 36.3

Manual Integrations
APPROVED

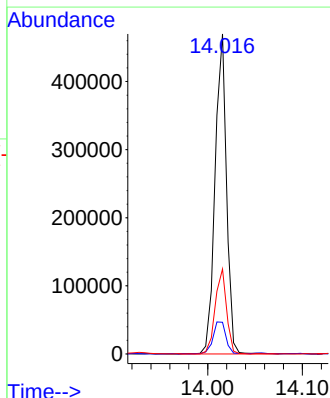
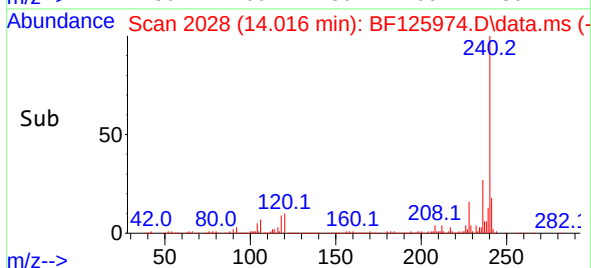
mohammad
10/29/2021 2:22:51 PM

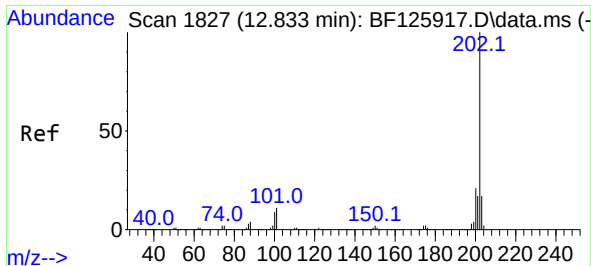


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.018 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53



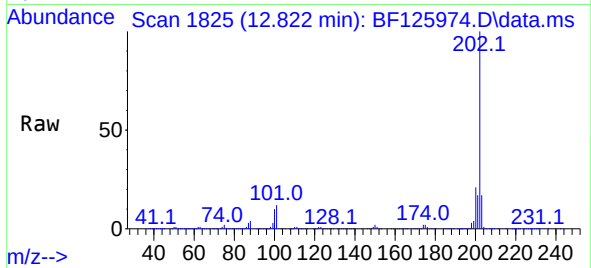
Tgt Ion:240 Resp: 393744
Ion Ratio Lower Upper
240 100
120 9.9 10.8 16.2#
236 26.6 21.6 32.4





#78
Pyrene
Concen: 38.007 ng
RT: 12.822 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53

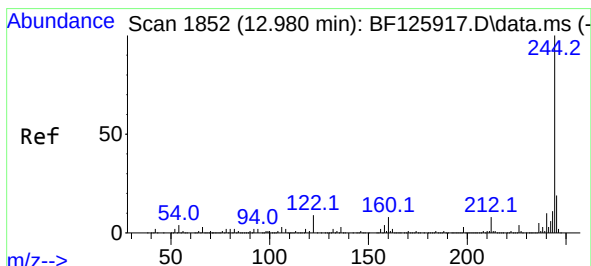
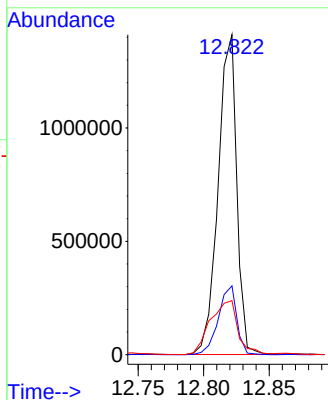
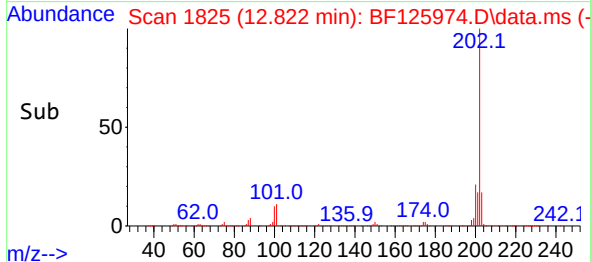
Instrument :
BNA_F
ClientSampled :
370



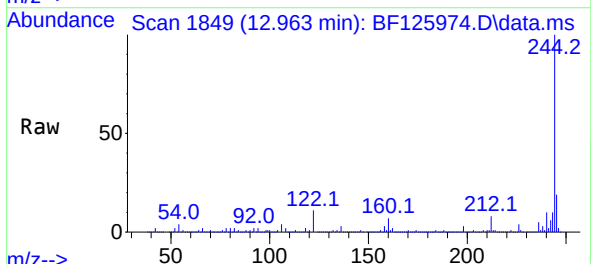
Tgt Ion:202 Resp: 1392653
Ion Ratio Lower Upper
202 100
200 21.5 15.3 22.9
203 16.9 13.4 20.0

Manual Integrations
APPROVED

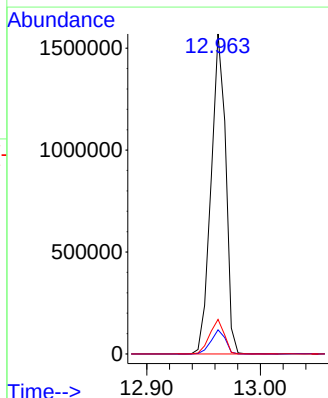
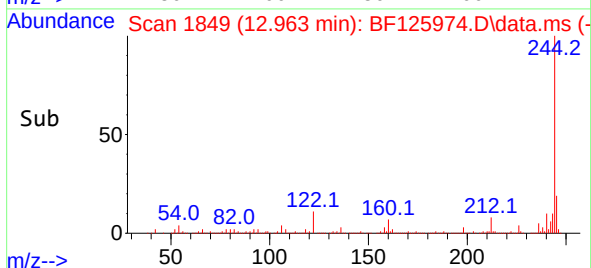
mohammad
10/29/2021 2:22:51 PM

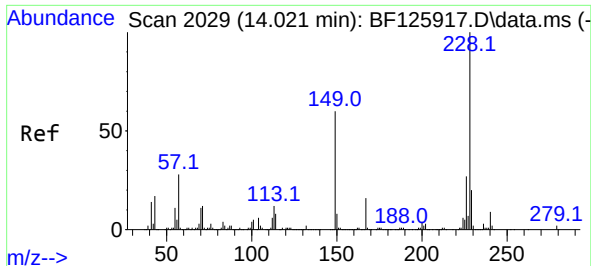


#79
Terphenyl-d14
Concen: 58.333 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.017 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53



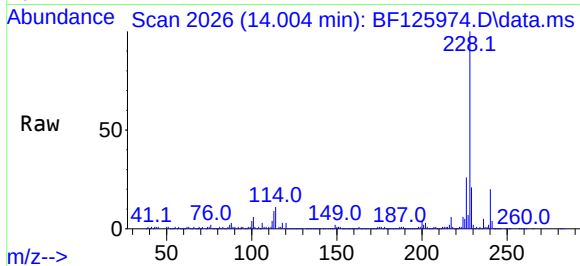
Tgt Ion:244 Resp: 1404167
Ion Ratio Lower Upper
244 100
212 7.6 5.9 8.9
122 10.8 9.0 13.4





#81
Benzo(a)anthracene
Concen: 16.463 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.018 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53

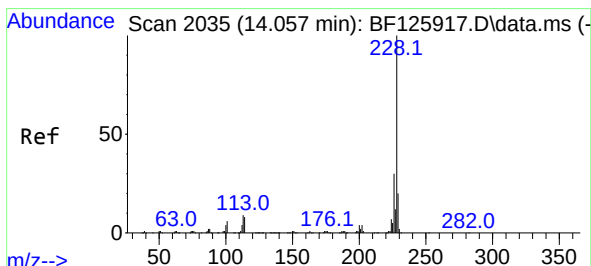
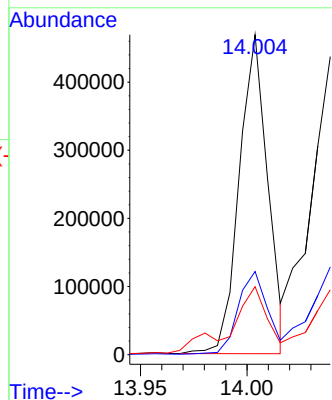
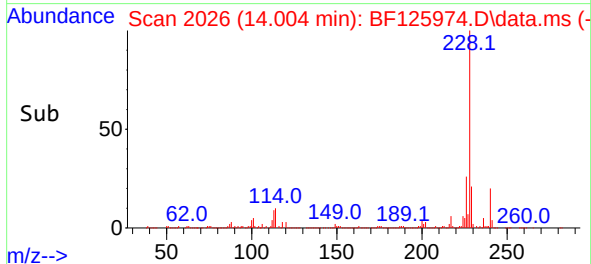
Instrument :
BNA_F
ClientSampled :
370



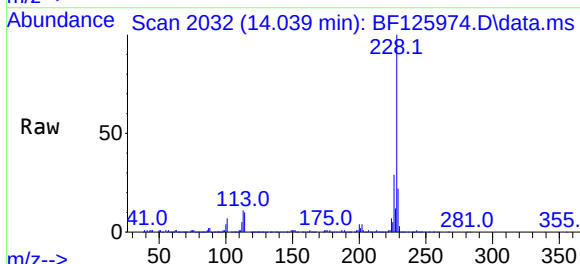
Tgt Ion:228 Resp: 436271
Ion Ratio Lower Upper
228 100
226 26.0 21.6 32.4
229 21.3 15.6 23.4

Manual Integrations
APPROVED

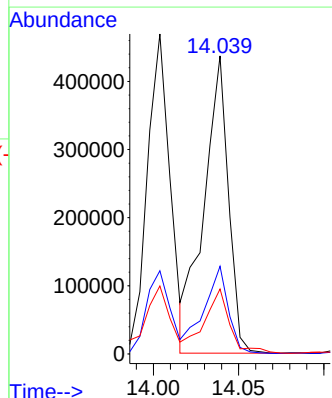
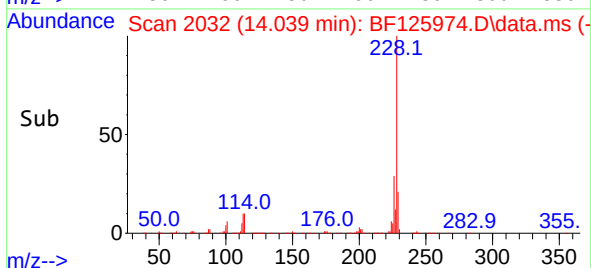
mohammad
10/29/2021 2:22:51 PM

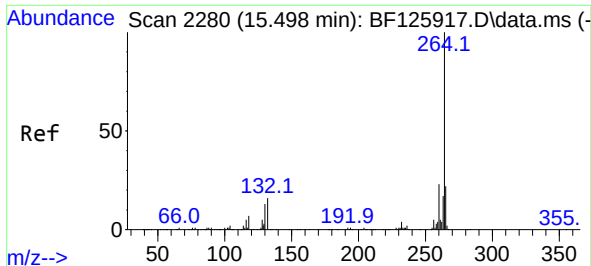


#83
Chrysene
Concen: 16.379 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.017 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53



Tgt Ion:228 Resp: 439177
Ion Ratio Lower Upper
228 100
226 29.4 22.6 34.0
229 21.8 15.9 23.9





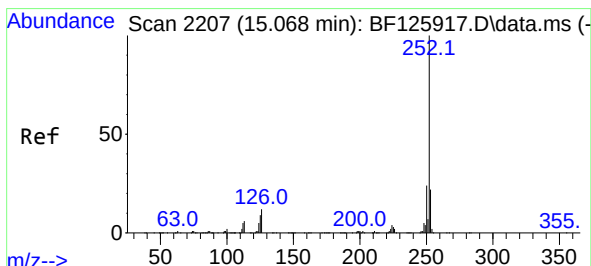
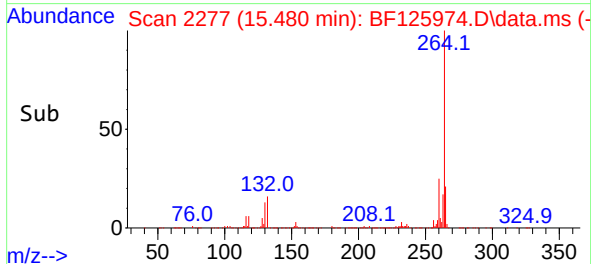
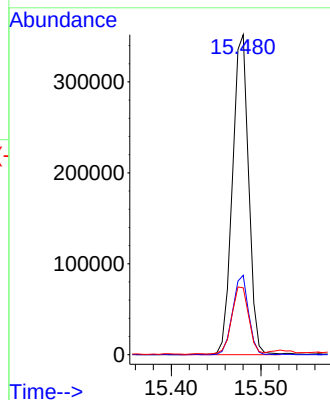
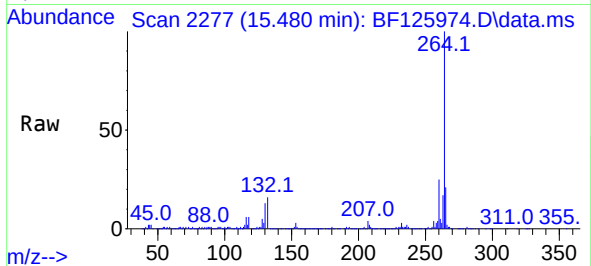
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.017 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53

Tgt Ion:264 Resp: 441125
Ion Ratio Lower Upper
264 100
260 24.8 19.6 29.4
265 20.9 17.2 25.8

Instrument :
BNA_F
ClientSampled :
370

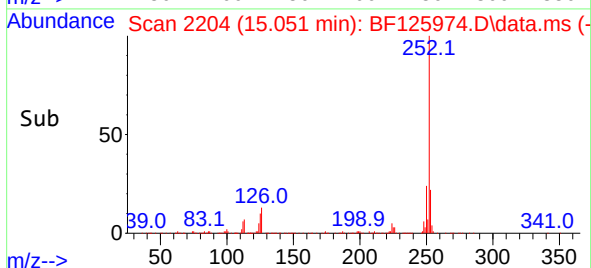
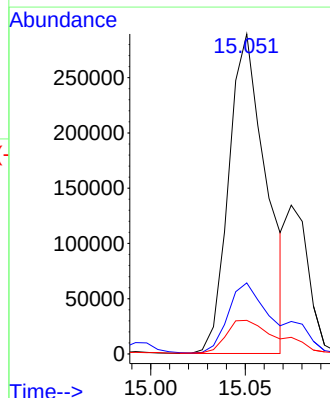
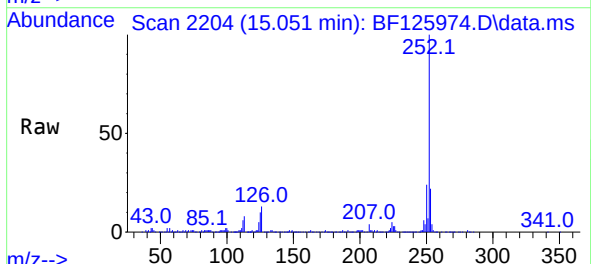
Manual Integrations
APPROVED

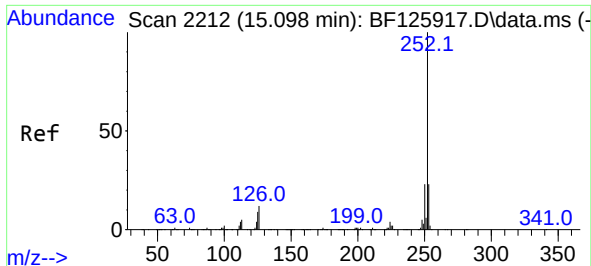
mohammad
10/29/2021 2:22:51 PM



#88
Benzo(b)fluoranthene
Concen: 13.694 ng m
RT: 15.051 min Scan# 2204
Delta R.T. -0.018 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53

Tgt Ion:252 Resp: 398719
Ion Ratio Lower Upper
252 100
253 22.2 16.8 25.2
125 10.5 9.8 14.8





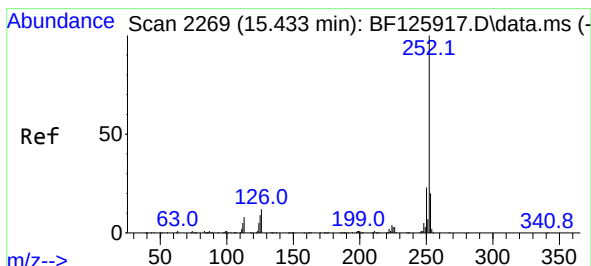
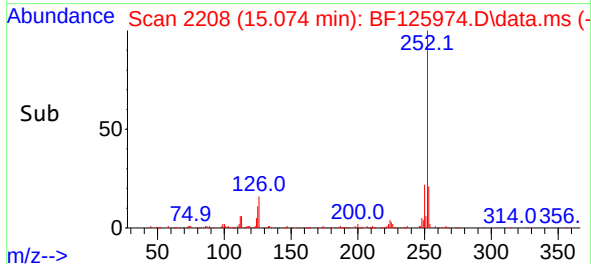
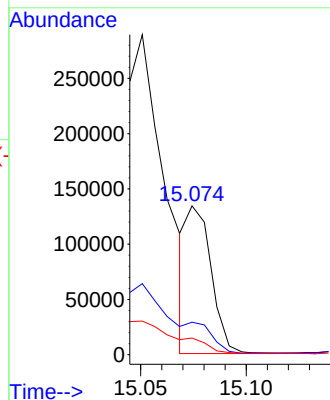
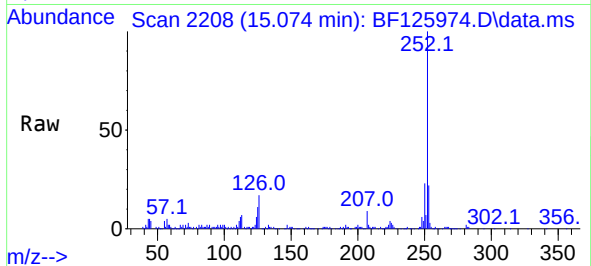
#89
Benzo(k)fluoranthene
Concen: 3.848 ng m
RT: 15.074 min Scan# 2208
Delta R.T. -0.023 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53

Tgt Ion:252 Resp: 107614
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 11.2 7.2 10.8#

Instrument :
BNA_F
ClientSampled :
370

Manual Integrations
APPROVED

mohammad
10/29/2021 2:22:51 PM



#90
Benzo(a)pyrene
Concen: 8.406 ng
RT: 15.410 min Scan# 2265
Delta R.T. -0.023 min
Lab File: BF125974.D
Acq: 27 Oct 2021 20:53

Tgt Ion:252 Resp: 197580
Ion Ratio Lower Upper
252 100
253 23.8 18.4 27.6
125 11.1 9.9 14.9

