

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070221\
 Data File : BF124529.D
 Acq On : 2 Jul 2021 21:09
 Operator : JU/CG
 Sample : M2913-11
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-4050

Manual Integrations
 APPROVED

mohammad
 7/7/2021 11:35:24 AM

Quant Time: Jul 03 01:45:52 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 02 14:41:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.669	152	34434	20.00	ng	0.00
21) Naphthalene-d8	7.951	136	116879	20.00	ng	# 0.00
39) Acenaphthene-d10	9.704	164	60318	20.00	ng	0.00
64) Phenanthrene-d10	11.192	188	92164	20.00	ng	0.00
76) Chrysene-d12	13.845	240	72689	20.00	ng	0.00
86) Perylene-d12	15.274	264	52335	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	164298	75.04	ng	0.00
7) Phenol-d6	6.328	99	212303	74.26	ng	0.00
23) Nitrobenzene-d5	7.239	82	154568	54.83	ng	-0.01
42) 2,4,6-Tribromophenol	10.498	330	31386	43.55	ng	0.00
45) 2-Fluorobiphenyl	9.034	172	299077	60.74	ng	0.00
79) Terphenyl-d14	12.780	244	239047	49.26	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.975	128	28106	4.09	ng	# 88
37) 2-Methylnaphthalene	8.669	142	16392	3.37	ng	99
49) Acenaphthylene	9.569	152	19458	3.21	ng	# 86
52) Acenaphthene	9.739	154	7936	2.06	ng	99
58) Fluorene	10.257	166	11832	2.51	ng	# 95
71) Phenanthrene	11.216	178	106016	18.25	ng	97
72) Anthracene	11.269	178	32448	5.61	ng	95
73) Carbazole	11.433	167	12625	2.50	ng	# 93
75) Fluoranthene	12.410	202	213113	36.45	ng	96
78) Pyrene	12.639	202	250480	37.75	ng	97
80) Butylbenzylphthalate	13.251	149	6642	2.52	ng	# 77
81) Benzo(a)anthracene	13.833	228	114459m	21.84	ng	
83) Chrysene	13.868	228	115634	22.27	ng	94
84) Bis(2-ethylhexyl)phtha...	13.816	149	34044	9.64	ng	97
87) Indeno(1,2,3-cd)pyrene	16.680	276	35703	8.65	ng	99
88) Benzo(b)fluoranthene	14.868	252	99243m	25.02	ng	
89) Benzo(k)fluoranthene	14.898	252	34627m	9.54	ng	
90) Benzo(a)pyrene	15.221	252	68886	19.55	ng	99
91) Dibenzo(a,h)anthracene	16.674	278	11382	3.20	ng	# 66
92) Benzo(g,h,i)perylene	17.104	276	39944	11.42	ng	# 93

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

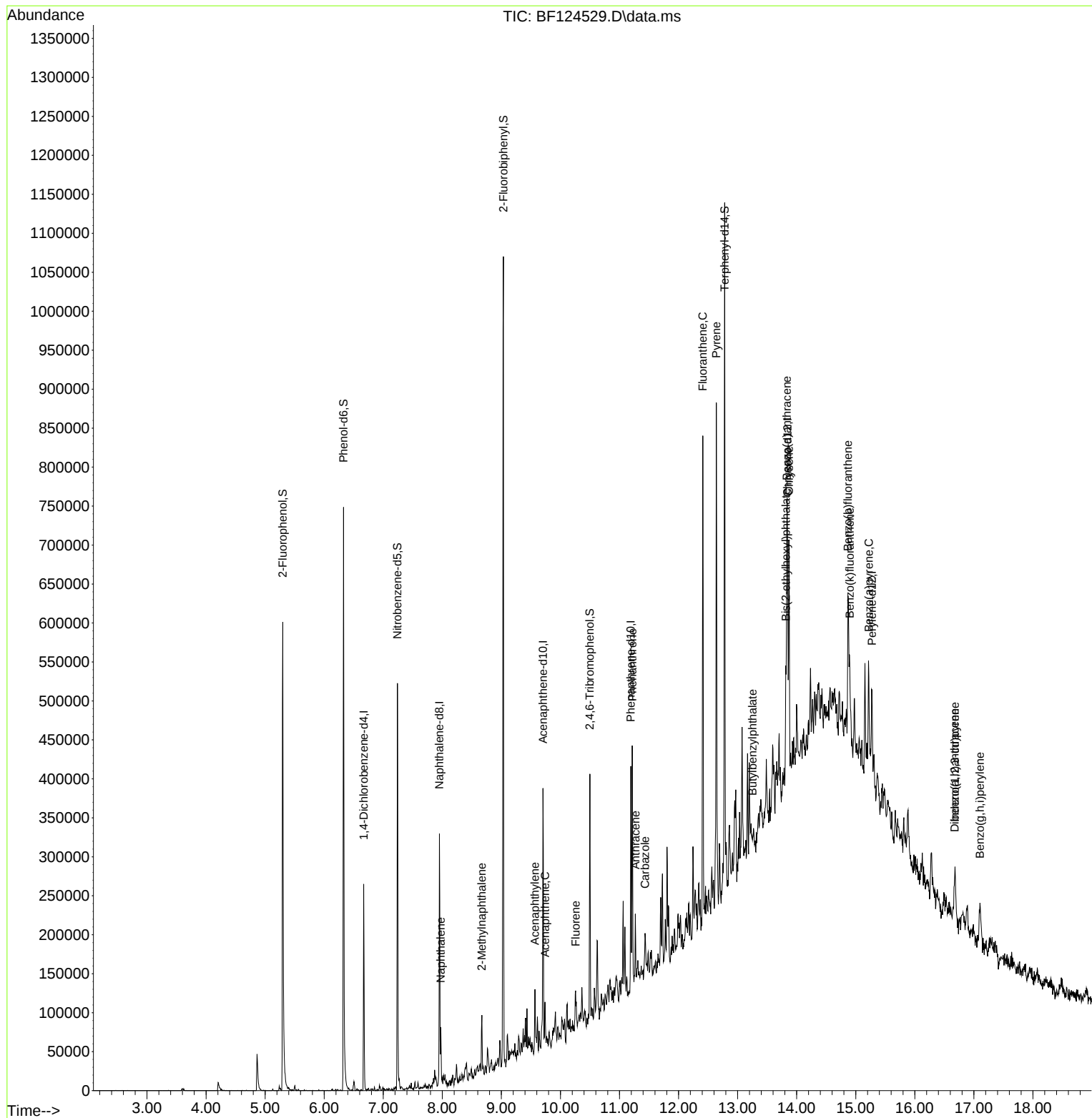
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070221\
Data File : BF124529.D
Acq On : 2 Jul 2021 21:09
Operator : JU/CG
Sample : M2913-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

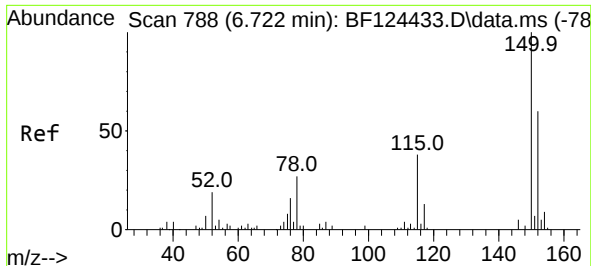
Instrument :
BNA_F
ClientSampleId :
D-4050

Manual Integrations
APPROVED

mohammad
7/7/2021 11:35:24 AM

Quant Time: Jul 03 01:45:52 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 02 14:41:35 2021
Response via : Initial Calibration





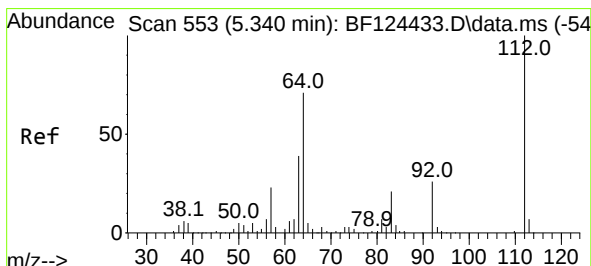
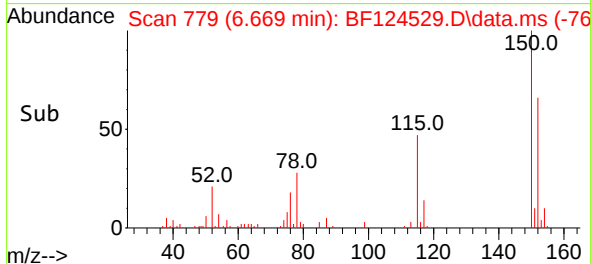
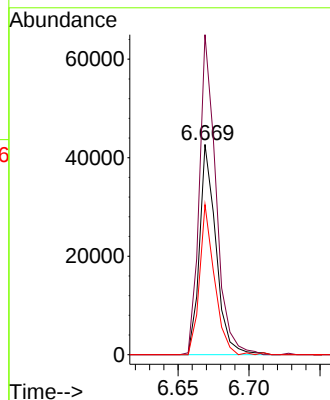
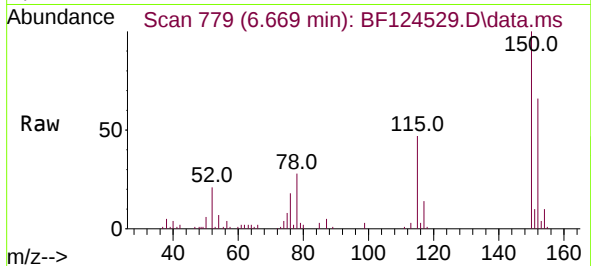
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.669 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion:152 Resp: 34434
Ion Ratio Lower Upper
152 100
150 152.2 127.0 190.6
115 71.4 54.3 81.5

Instrument :
BNA_F
ClientSampleId :
D-4050

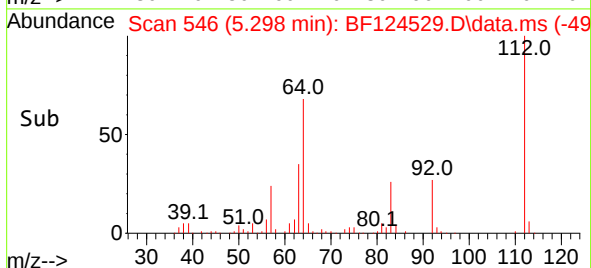
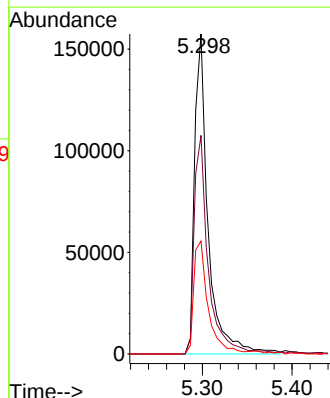
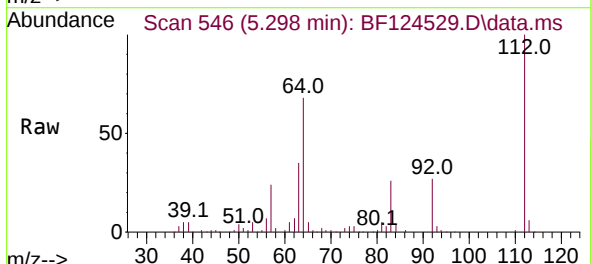
Manual Integrations
APPROVED

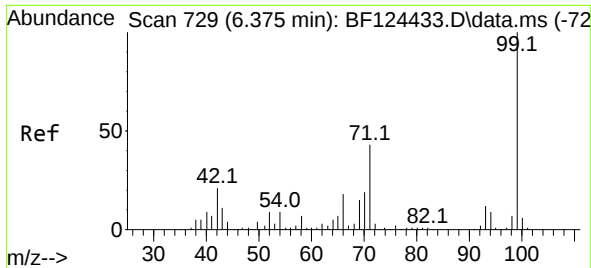
mohammad
7/7/2021 11:35:24 AM



#5
2-Fluorophenol
Concen: 75.04 ng
RT: 5.298 min Scan# 546
Delta R.T. 0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion:112 Resp: 164298
Ion Ratio Lower Upper
112 100
64 68.3 61.4 92.0
63 35.3 33.0 49.4





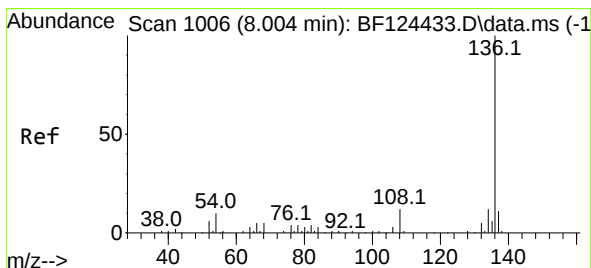
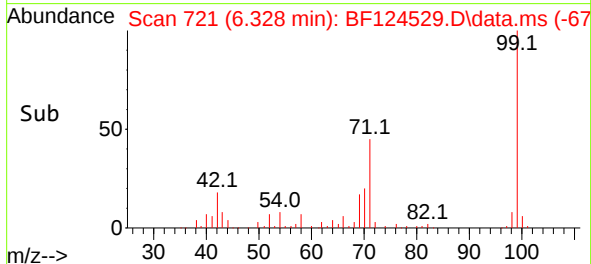
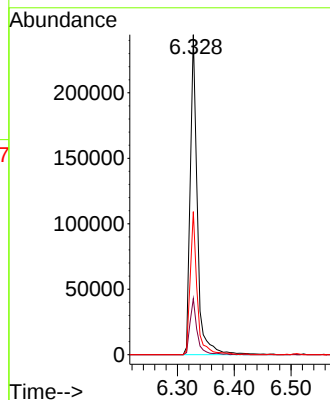
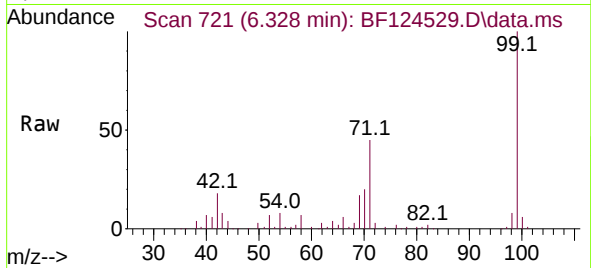
#7
Phenol-d6
Concen: 74.26 ng
RT: 6.328 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion: 99 Resp: 212303
Ion Ratio Lower Upper
99 100
42 17.5 19.8 29.8#
71 44.7 31.1 46.7

Instrument :
BNA_F
ClientSampled :
D-4050

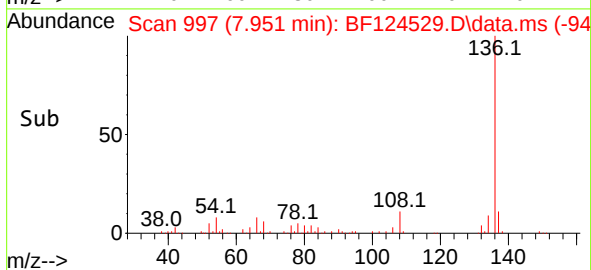
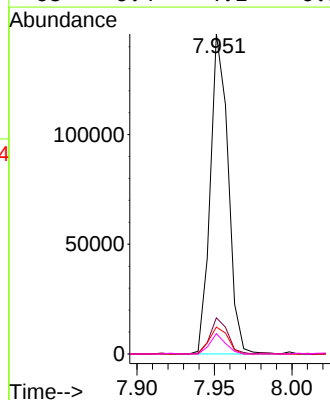
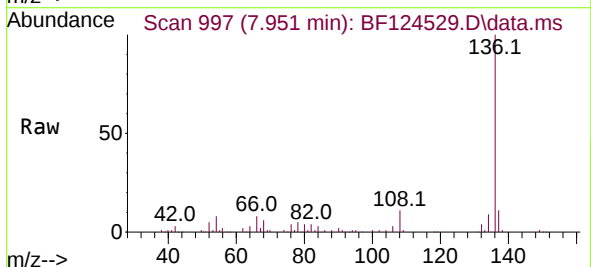
Manual Integrations
APPROVED

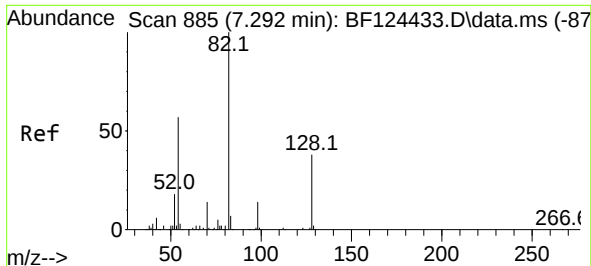
mohammad
7/7/2021 11:35:24 AM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.951 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

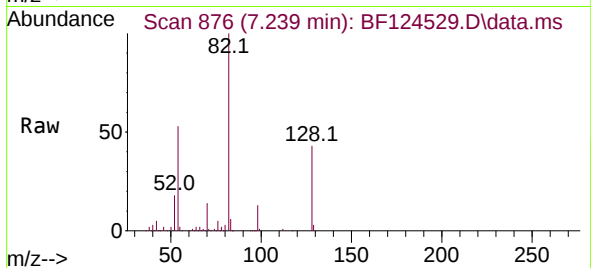
Tgt Ion: 136 Resp: 116879
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 8.4 9.8 14.6#
68 6.4 4.1 6.1#





#23
Nitrobenzene-d5
Concen: 54.83 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

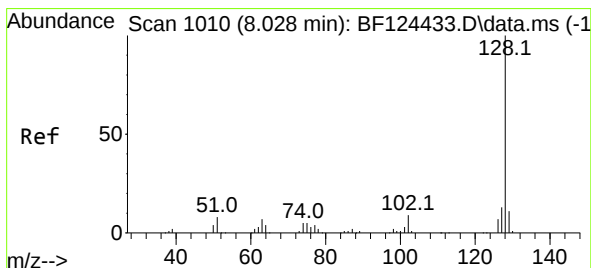
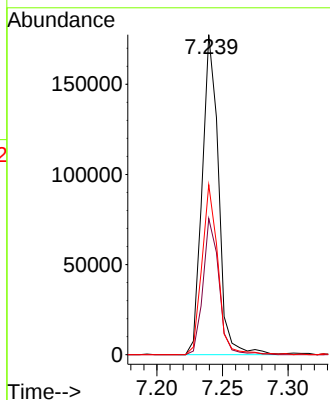
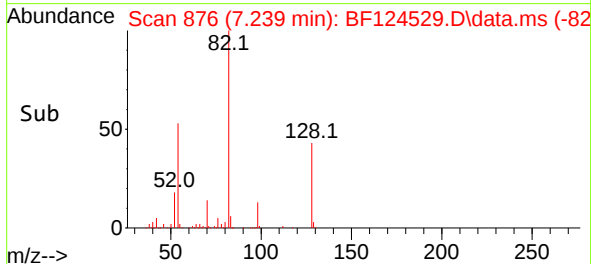
Instrument :
BNA_F
ClientSampled :
D-4050



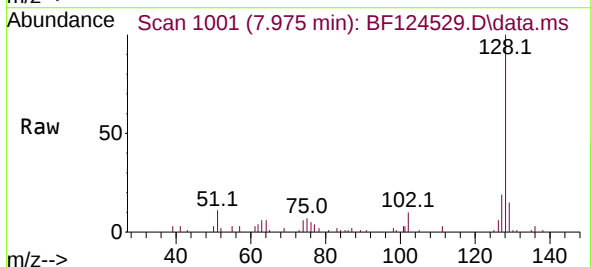
Tgt Ion: 82 Resp: 154568
Ion Ratio Lower Upper
82 100
128 42.5 29.4 44.2
54 53.1 54.1 81.1#

Manual Integrations
APPROVED

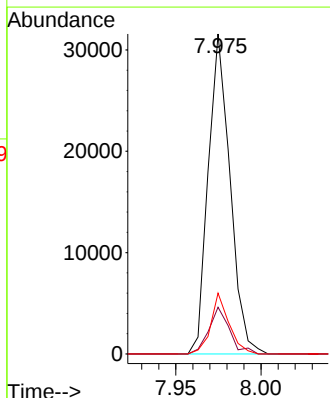
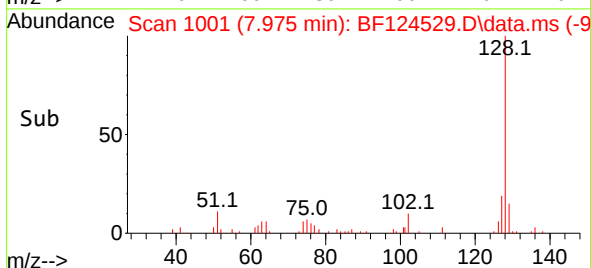
mohammad
7/7/2021 11:35:24 AM

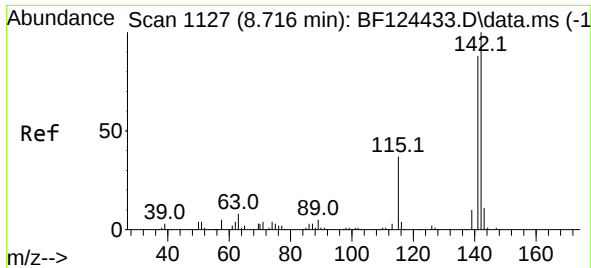


#31
Naphthalene
Concen: 4.09 ng
RT: 7.975 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09



Tgt Ion: 128 Resp: 28106
Ion Ratio Lower Upper
128 100
129 14.6 8.9 13.3#
127 19.0 10.8 16.2#





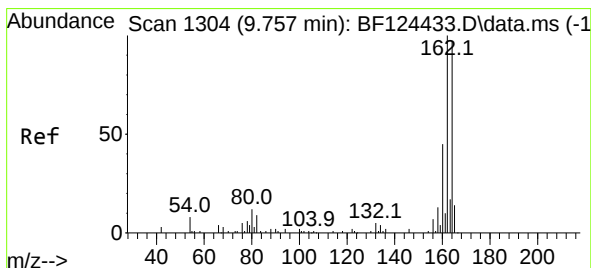
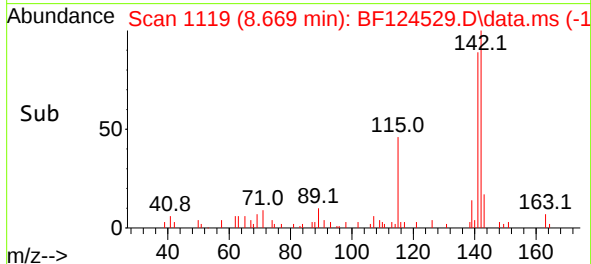
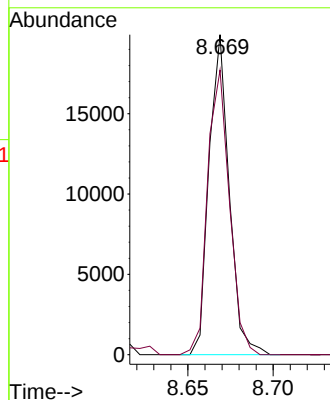
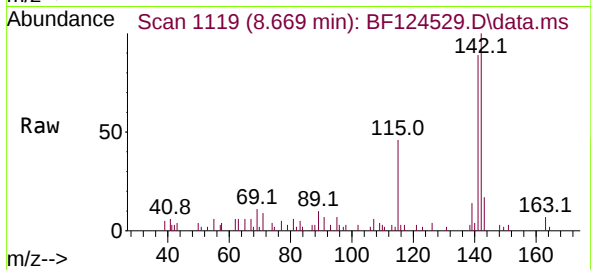
#37
2-Methylnaphthalene
Concen: 3.37 ng
RT: 8.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Instrument :
BNA_F
ClientSampled :
D-4050

Tgt Ion:142 Resp: 16392
Ion Ratio Lower Upper
142 100
141 89.0 71.8 107.6

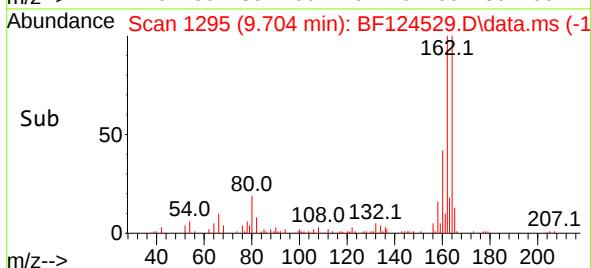
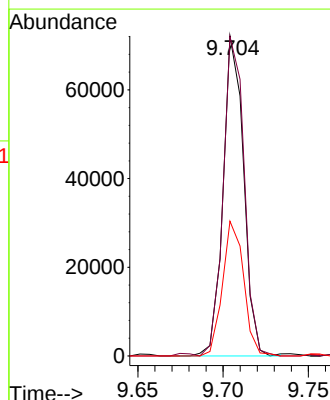
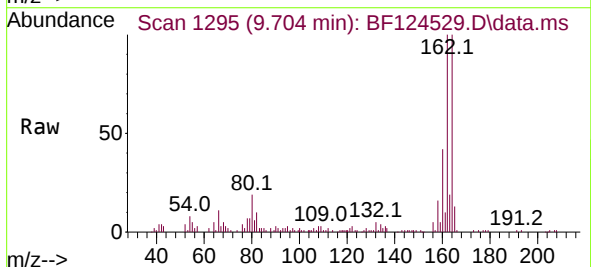
Manual Integrations
APPROVED

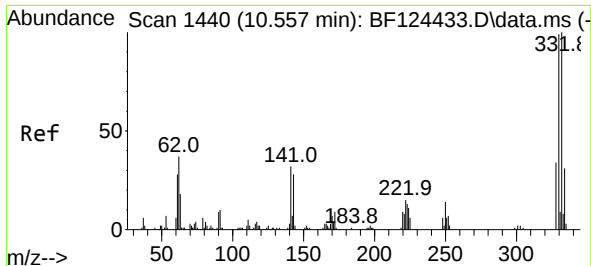
mohammad
7/7/2021 11:35:24 AM



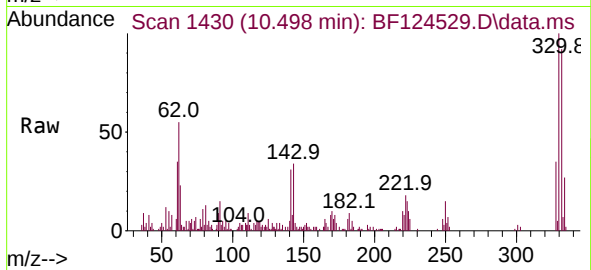
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion:164 Resp: 60318
Ion Ratio Lower Upper
164 100
162 99.8 80.7 121.1
160 42.1 37.3 55.9

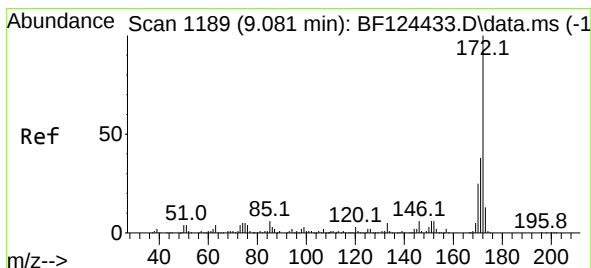
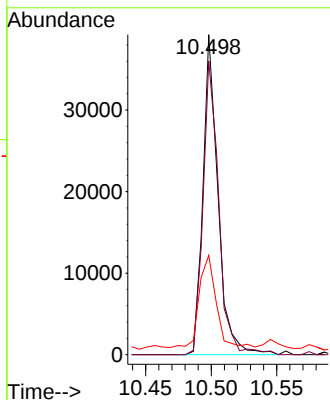
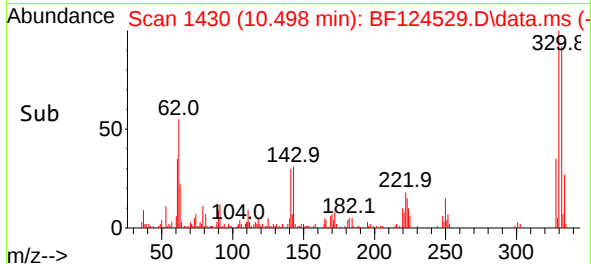




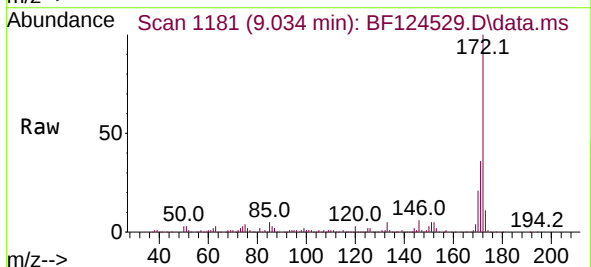
#42
2,4,6-Tribromophenol
Concen: 43.55 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09



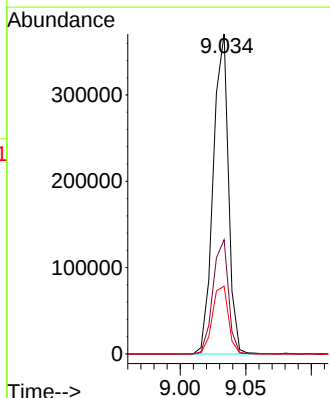
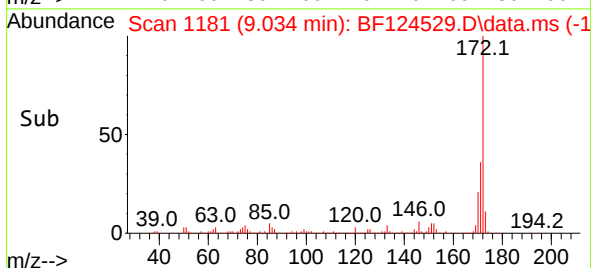
Tgt Ion: 330 Resp: 31386
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 33.0 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 60.74 ng
RT: 9.034 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09



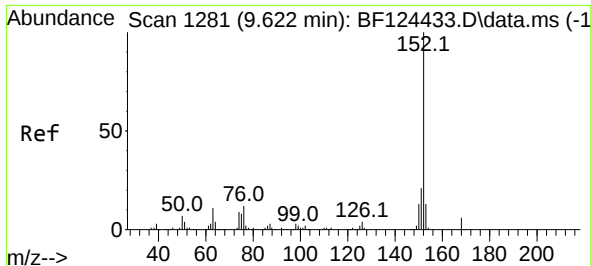
Tgt Ion: 172 Resp: 299077
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 21.2 19.2 28.8



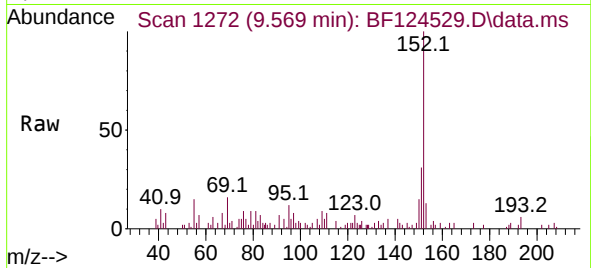
Instrument :
BNA_F
ClientSampleId :
D-4050

Manual Integrations
APPROVED

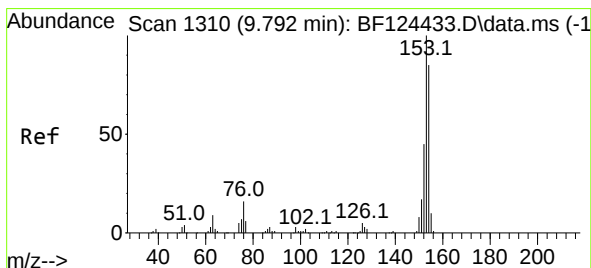
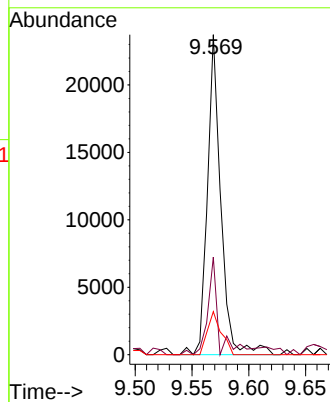
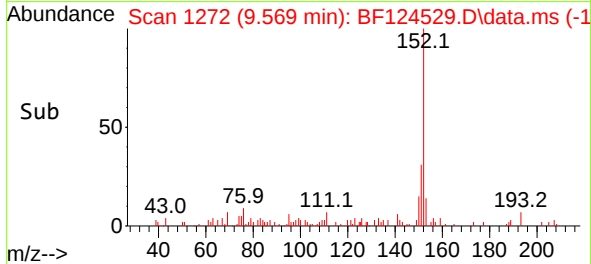
mohammad
7/7/2021 11:35:24 AM



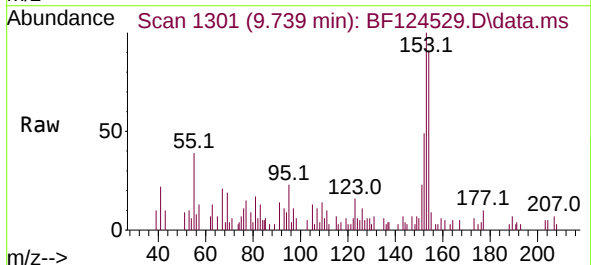
#49
Acenaphthylene
Concen: 3.21 ng
RT: 9.569 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09



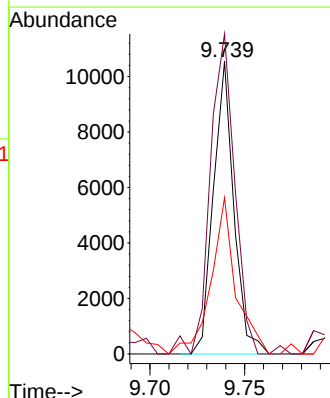
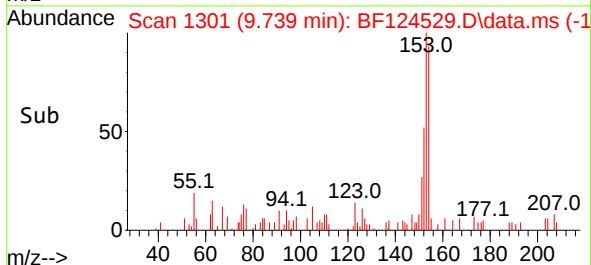
Tgt Ion:152 Resp: 19458
Ion Ratio Lower Upper
152 100
151 30.5 16.0 24.0#
153 13.4 10.4 15.6



#52
Acenaphthene
Concen: 2.06 ng
RT: 9.739 min Scan# 1301
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09



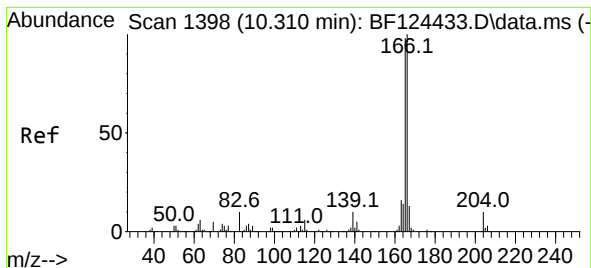
Tgt Ion:154 Resp: 7936
Ion Ratio Lower Upper
154 100
153 109.4 88.1 132.1
152 53.4 43.4 65.0



Instrument :
BNA_F
ClientSampled :
D-4050

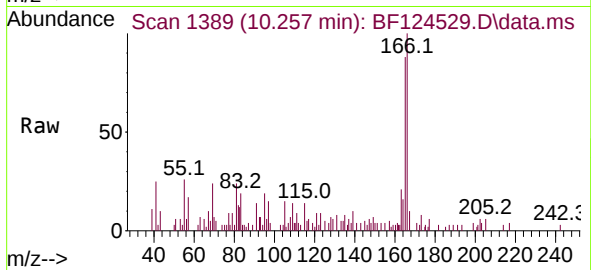
Manual Integrations
APPROVED

mohammad
7/7/2021 11:35:24 AM



#58
Fluorene
Concen: 2.51 ng
RT: 10.257 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

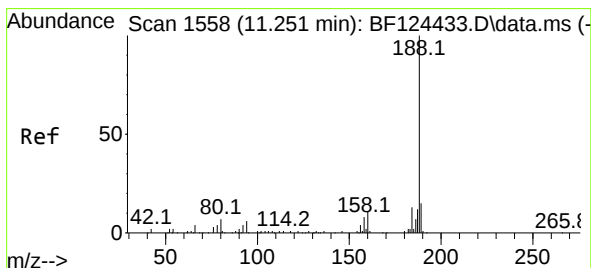
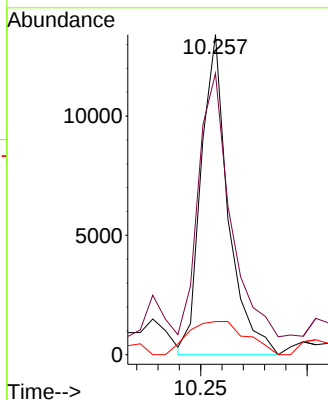
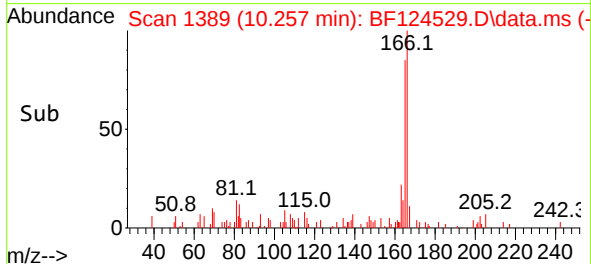
Instrument :
BNA_F
ClientSampled :
D-4050



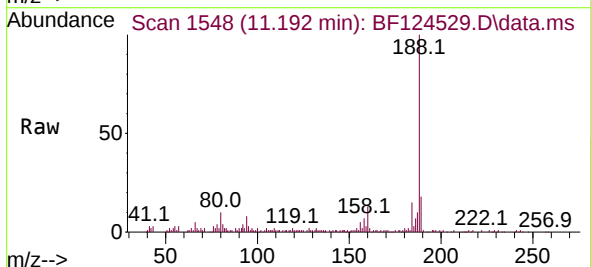
Tgt Ion:166 Resp: 11832
Ion Ratio Lower Upper
166 100
165 87.9 73.5 110.3
167 10.3 10.7 16.1#

Manual Integrations
APPROVED

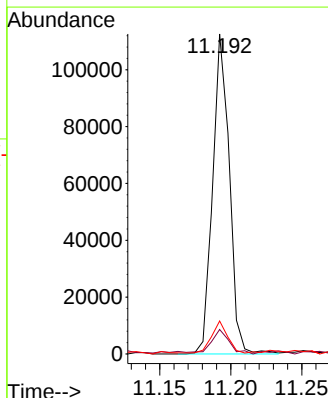
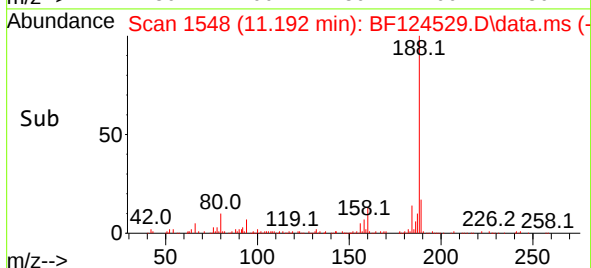
mohammad
7/7/2021 11:35:24 AM

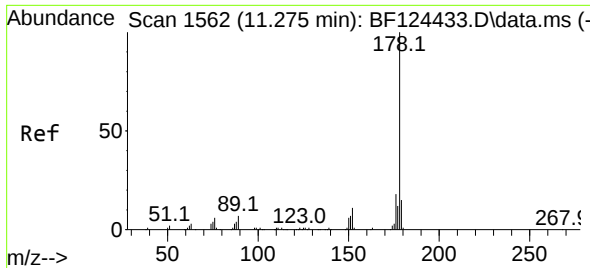


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

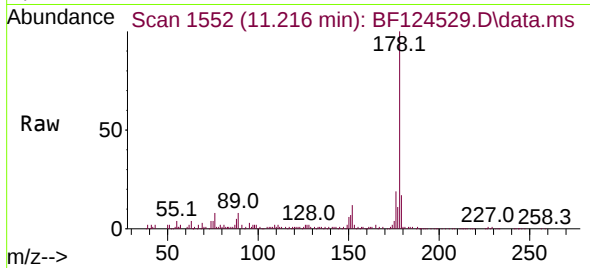


Tgt Ion:188 Resp: 92164
Ion Ratio Lower Upper
188 100
94 7.7 6.9 10.3
80 10.3 8.2 12.2

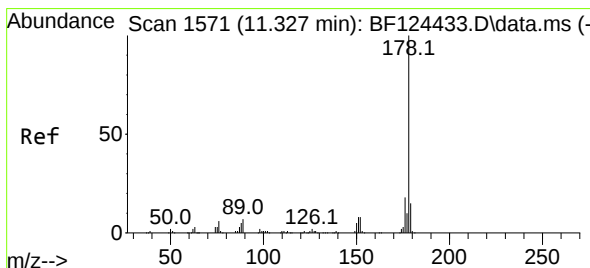
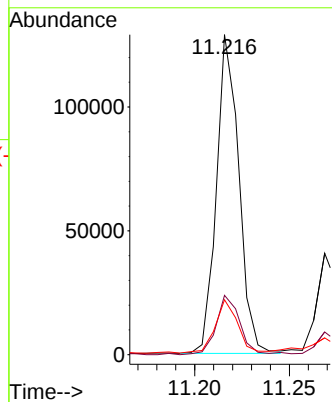
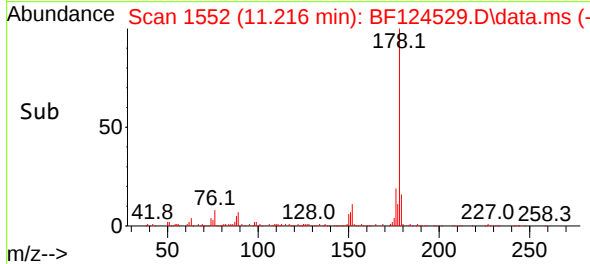




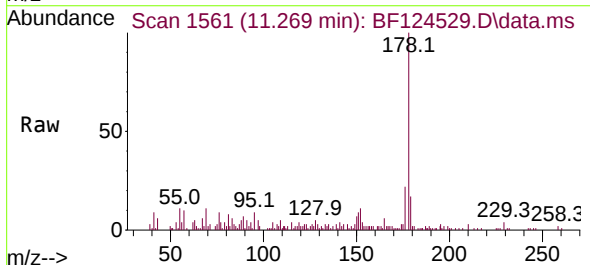
#71
Phenanthrene
Concen: 18.25 ng
RT: 11.216 min Scan# 1552
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09



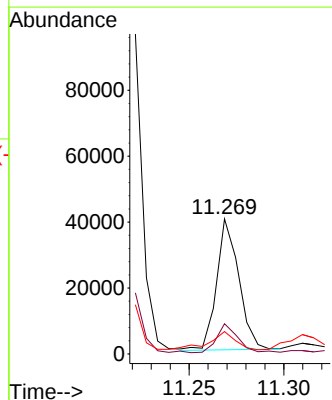
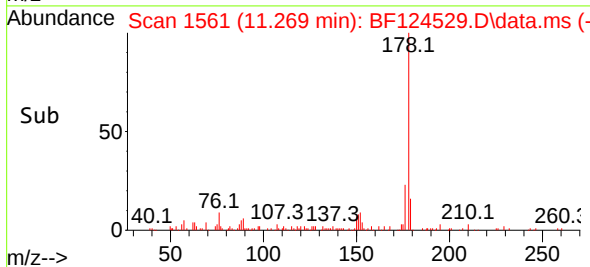
Tgt Ion:178 Resp: 106016
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 17.1 12.5 18.7



#72
Anthracene
Concen: 5.61 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09



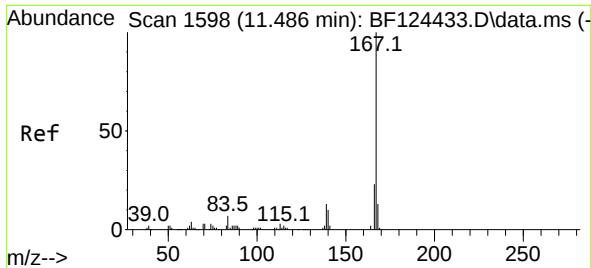
Tgt Ion:178 Resp: 32448
Ion Ratio Lower Upper
178 100
176 22.4 15.4 23.0
179 16.6 12.6 18.8



Instrument :
BNA_F
ClientSampleId :
D-4050

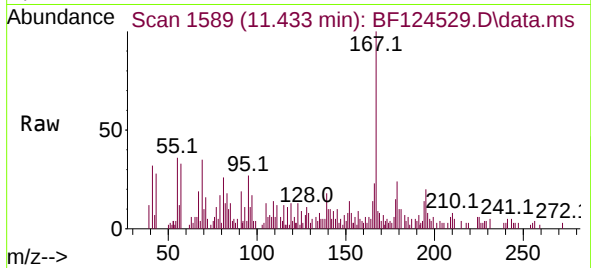
Manual Integrations
APPROVED

mohammad
7/7/2021 11:35:24 AM



#73
 Carbazole
 Concen: 2.50 ng
 RT: 11.433 min Scan# 1589
 Delta R.T. 0.000 min
 Lab File: BF124529.D
 Acq: 2 Jul 2021 21:09

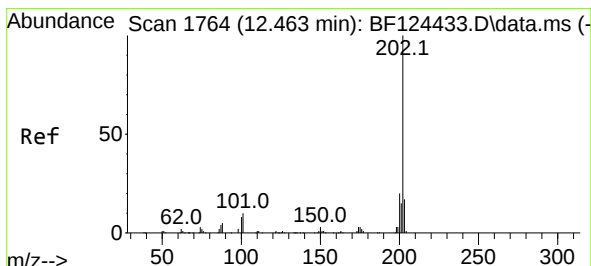
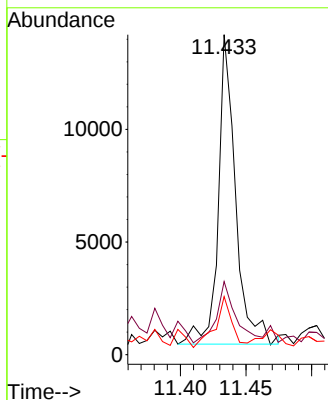
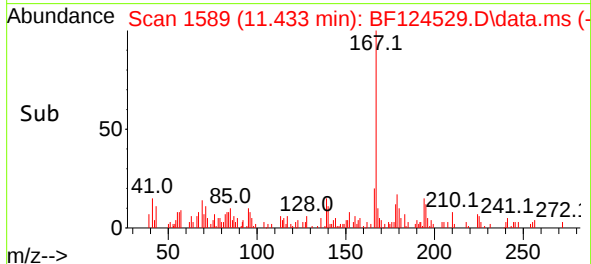
Instrument :
 BNA_F
 ClientSampled :
 D-4050



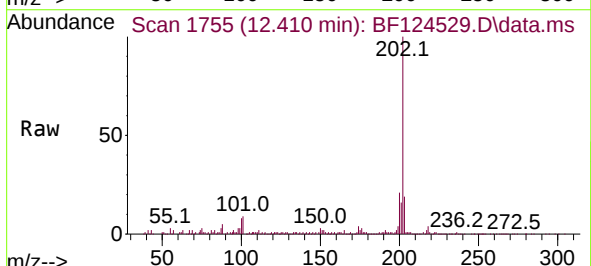
Tgt Ion:167 Resp: 12625
 Ion Ratio Lower Upper
 167 100
 166 22.9 17.0 25.6
 139 18.2 10.4 15.6#

Manual Integrations
 APPROVED

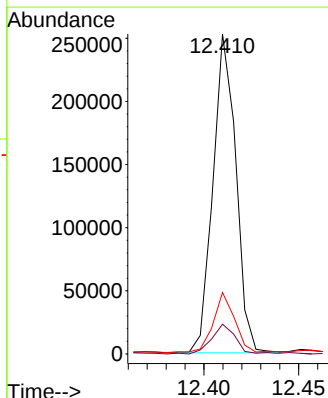
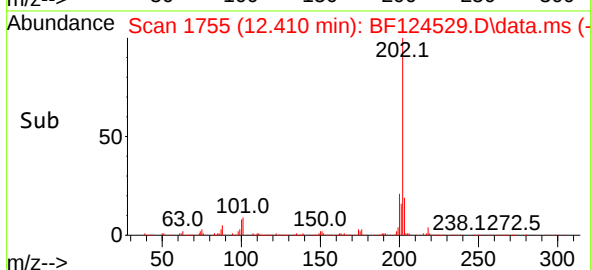
mohammad
 7/7/2021 11:35:24 AM

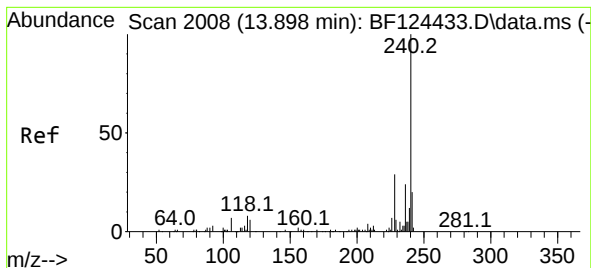


#75
 Fluoranthene
 Concen: 36.45 ng
 RT: 12.410 min Scan# 1755
 Delta R.T. 0.000 min
 Lab File: BF124529.D
 Acq: 2 Jul 2021 21:09



Tgt Ion:202 Resp: 213113
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 30.9
 203 19.2 0.0 37.5





#76

Chrysene-d12

Concen: 20.00 ng

RT: 13.845 min Scan# 1999

Delta R.T. 0.006 min

Lab File: BF124529.D

Acq: 2 Jul 2021 21:09

Tgt Ion:	240	Resp:	72689
Ion Ratio	Lower	Upper	
240	100		
120	10.1	7.2	10.8
236	27.7	19.0	28.4

Instrument :

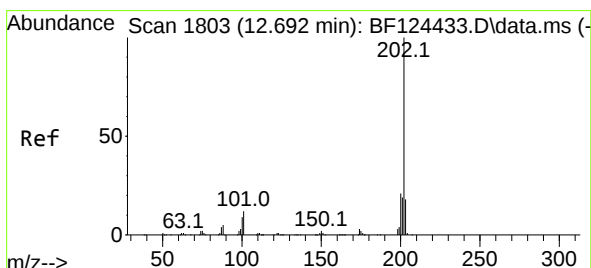
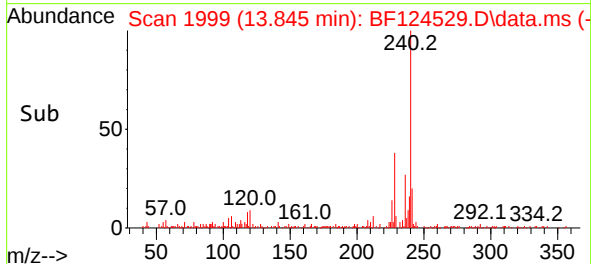
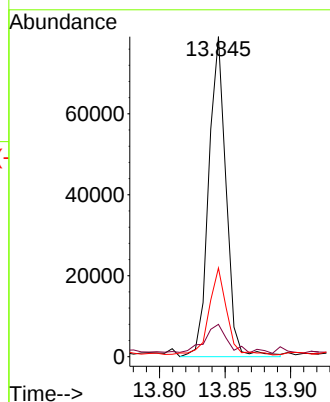
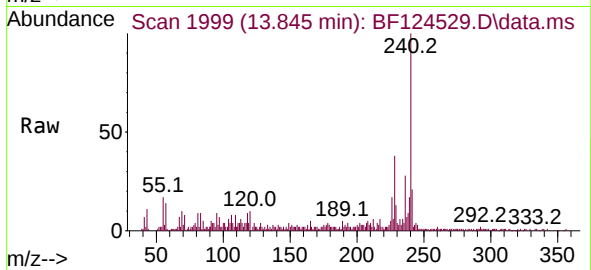
BNA_F

ClientSampled :

D-4050

Manual Integrations
APPROVED

mohammad
7/7/2021 11:35:24 AM



#78

Pyrene

Concen: 37.75 ng

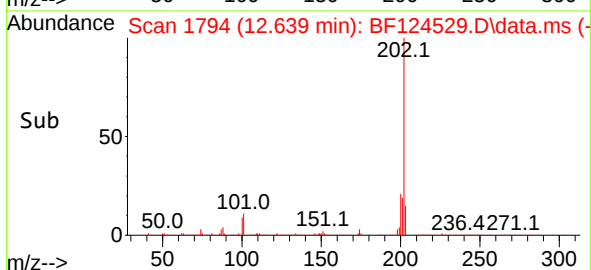
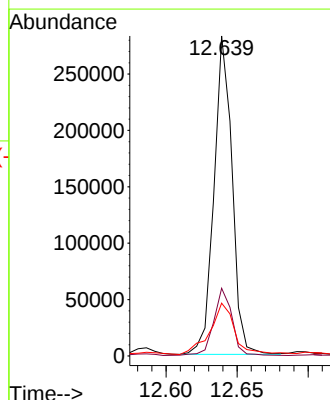
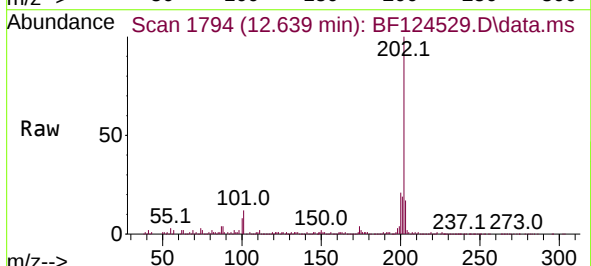
RT: 12.639 min Scan# 1794

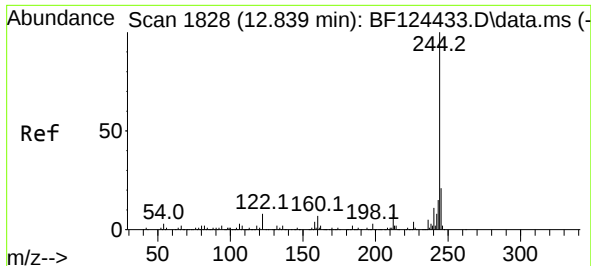
Delta R.T. 0.000 min

Lab File: BF124529.D

Acq: 2 Jul 2021 21:09

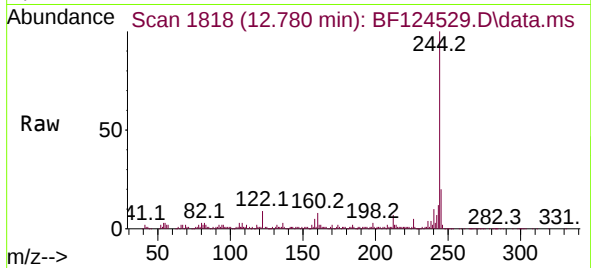
Tgt Ion:	202	Resp:	250480
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.1	24.1
203	16.5	14.8	22.2





#79
 Terphenyl-d14
 Concen: 49.26 ng
 RT: 12.780 min Scan# 1818
 Delta R.T. -0.000 min
 Lab File: BF124529.D
 Acq: 2 Jul 2021 21:09

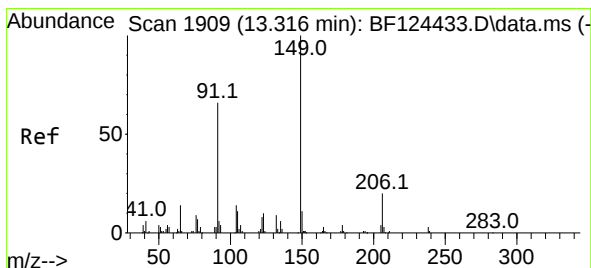
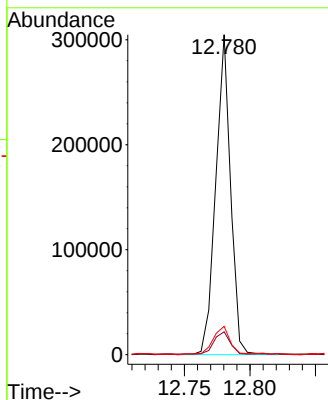
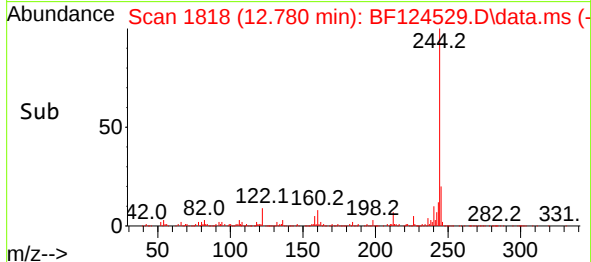
Instrument :
 BNA_F
 ClientSampled :
 D-4050



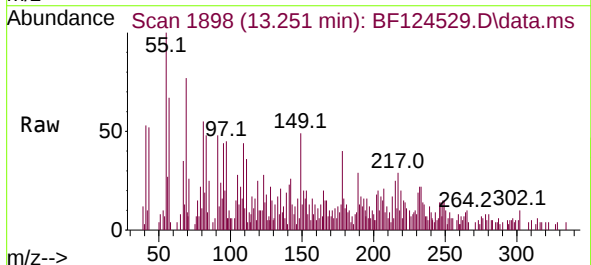
Tgt Ion:244 Resp: 239047
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 8.8 9.7 14.5#

Manual Integrations
 APPROVED

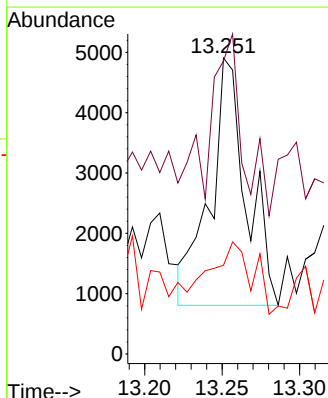
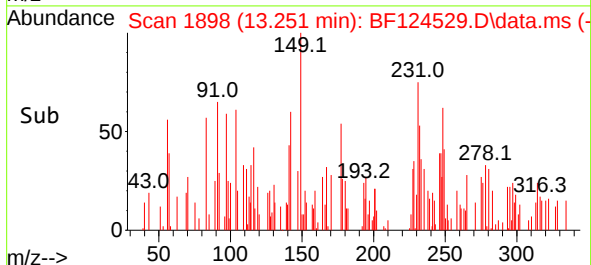
mohammad
 7/7/2021 11:35:24 AM

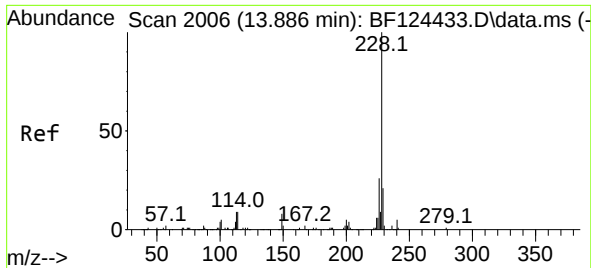


#80
 Butylbenzylphthalate
 Concen: 2.52 ng
 RT: 13.251 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: BF124529.D
 Acq: 2 Jul 2021 21:09



Tgt Ion:149 Resp: 6642
 Ion Ratio Lower Upper
 149 100
 91 98.9 63.6 95.4#
 206 29.9 14.5 21.7#





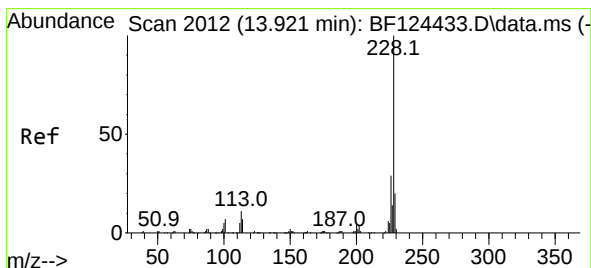
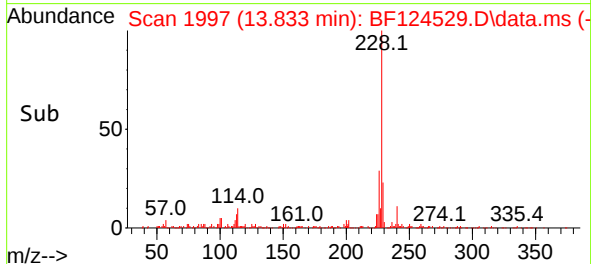
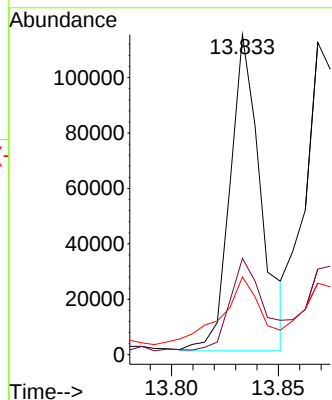
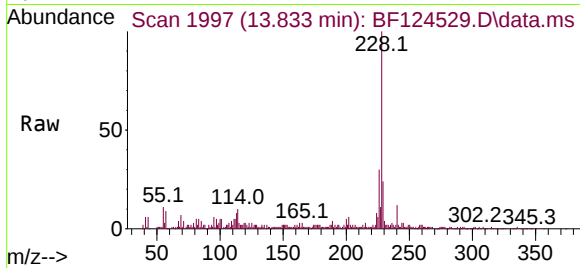
#81
Benzo(a)anthracene
Concen: 21.84 ng m
RT: 13.833 min Scan# 1997
Delta R.T. 0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion:228 Resp: 114459
Ion Ratio Lower Upper
228 100
226 30.1 22.4 33.6
229 24.3 16.0 24.0#

Instrument :
BNA_F
ClientSampleId :
D-4050

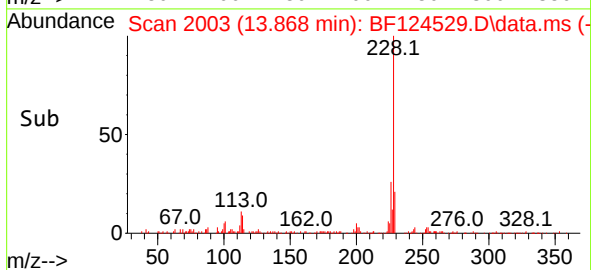
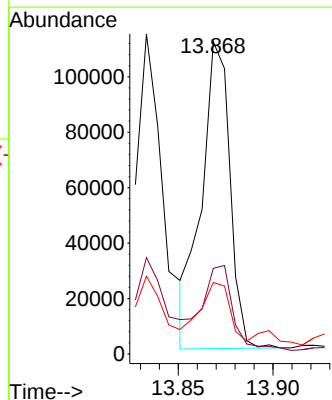
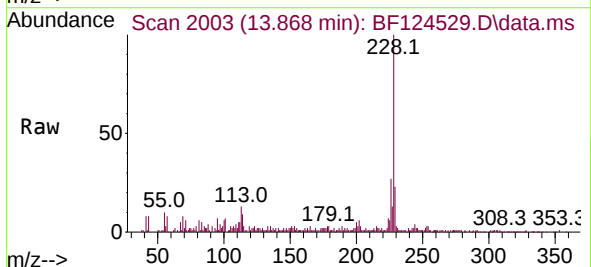
Manual Integrations
APPROVED

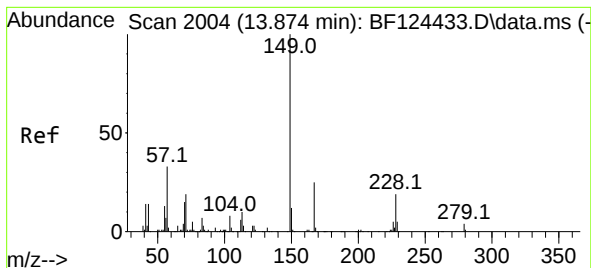
mohammad
7/7/2021 11:35:24 AM



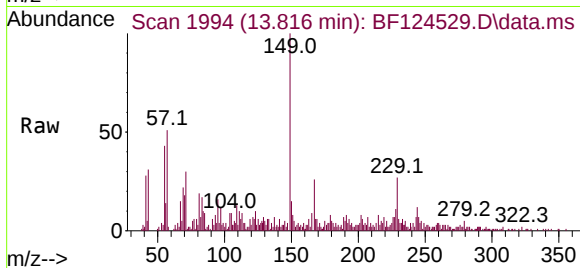
#83
Chrysene
Concen: 22.27 ng
RT: 13.868 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion:228 Resp: 115634
Ion Ratio Lower Upper
228 100
226 27.4 24.3 36.5
229 22.9 16.2 24.2

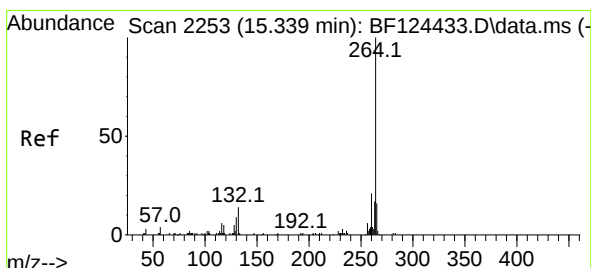
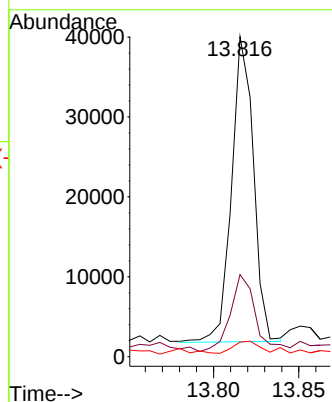
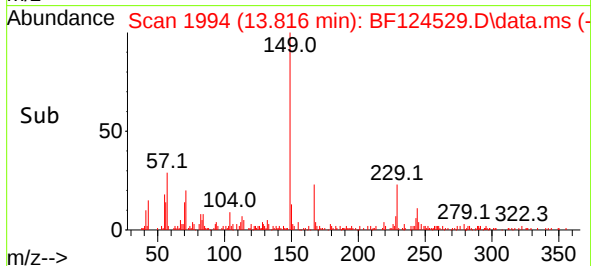




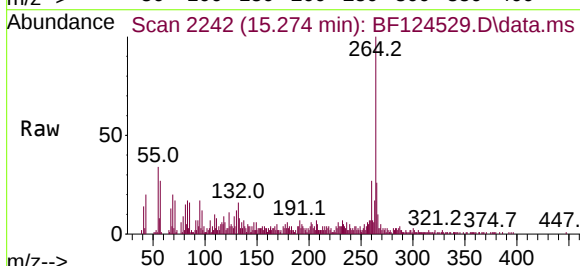
#84
Bis(2-ethylhexyl)phthalate
Concen: 9.64 ng
RT: 13.816 min Scan# 1994
Delta R.T. 0.006 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09



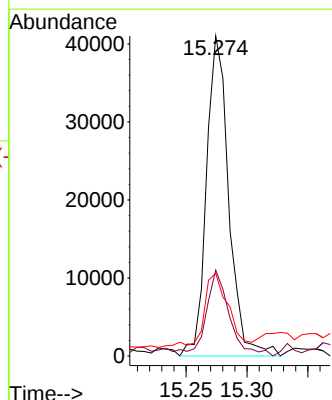
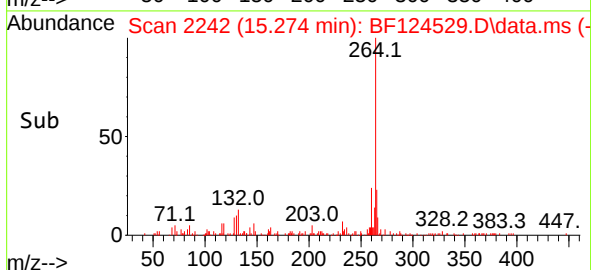
Tgt Ion:149 Resp: 34044
Ion Ratio Lower Upper
149 100
167 25.6 21.8 32.6
279 4.5 3.3 4.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.274 min Scan# 2242
Delta R.T. 0.012 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09



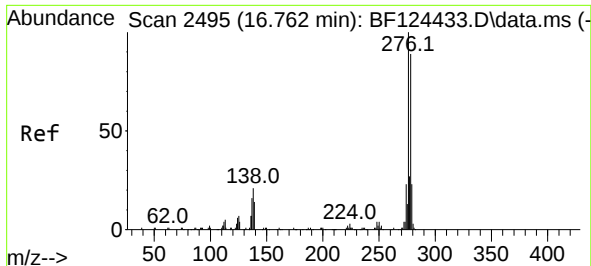
Tgt Ion:264 Resp: 52335
Ion Ratio Lower Upper
264 100
260 26.9 18.7 28.1
265 25.8 17.8 26.8



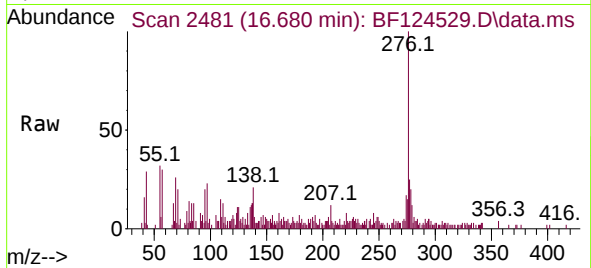
Instrument :
BNA_F
ClientSampleId :
D-4050

Manual Integrations
APPROVED

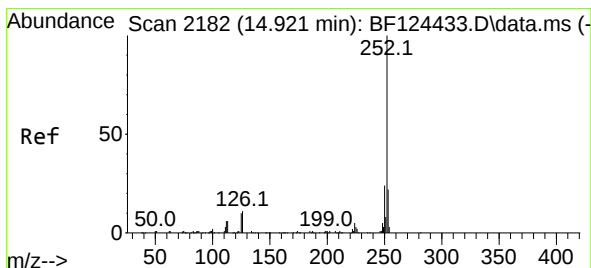
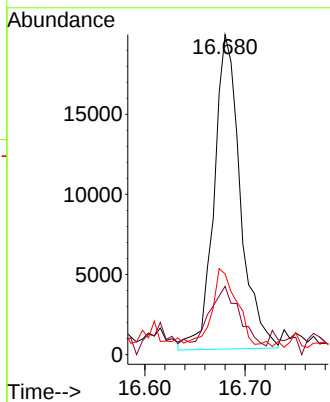
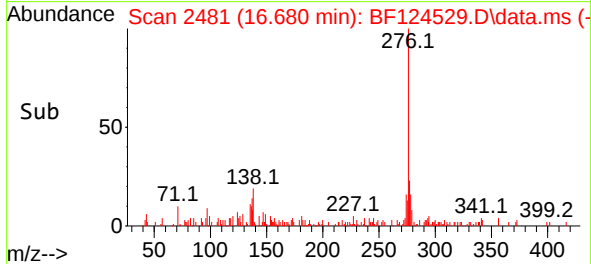
mohammad
7/7/2021 11:35:24 AM



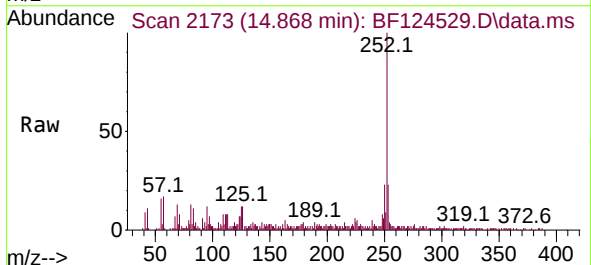
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.65 ng
RT: 16.680 min Scan# 2481
Delta R.T. 0.029 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09



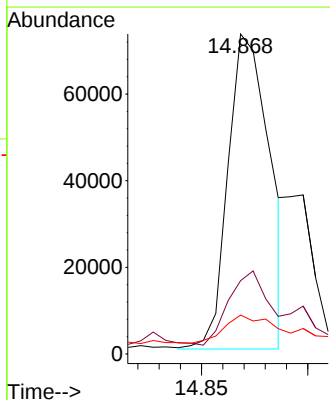
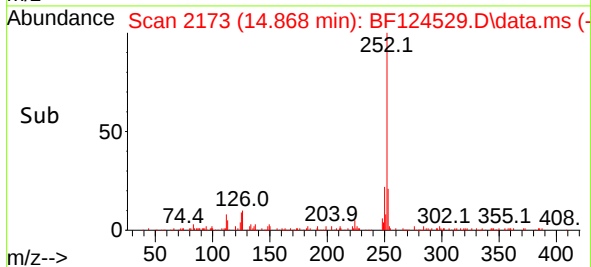
Tgt Ion: 276 Resp: 35703
Ion Ratio Lower Upper
276 100
138 20.8 16.2 24.2
277 25.4 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 25.02 ng m
RT: 14.868 min Scan# 2173
Delta R.T. 0.012 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09



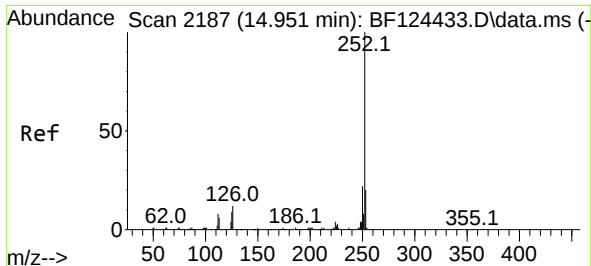
Tgt Ion: 252 Resp: 99243
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 12.2 6.2 9.4#



Instrument :
BNA_F
ClientSampled :
D-4050

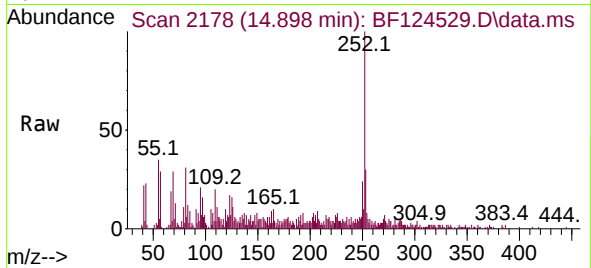
Manual Integrations
APPROVED

mohammad
7/7/2021 11:35:24 AM



#89
Benzo(k)fluoranthene
Concen: 9.54 ng m
RT: 14.898 min Scan# 2178
Delta R.T. 0.012 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

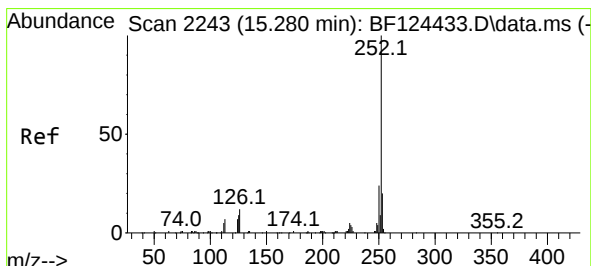
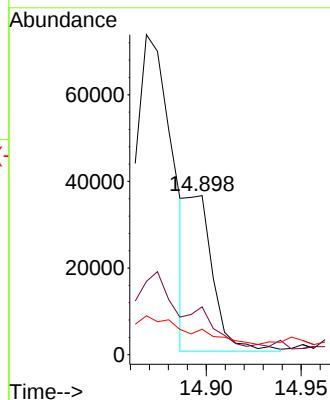
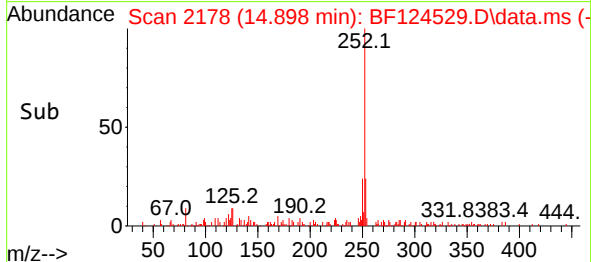
Instrument :
BNA_F
ClientSampled :
D-4050



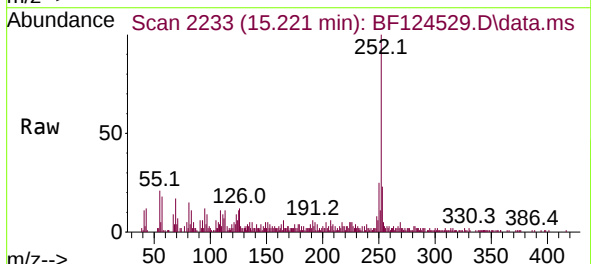
Tgt Ion:252 Resp: 34627
Ion Ratio Lower Upper
252 100
253 30.0 17.9 26.9#
125 16.0 7.0 10.6#

Manual Integrations
APPROVED

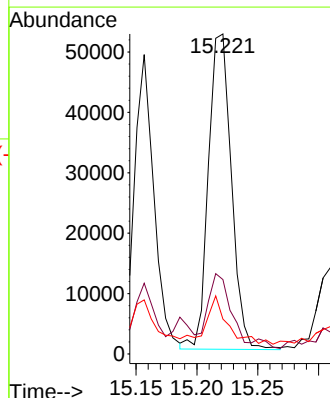
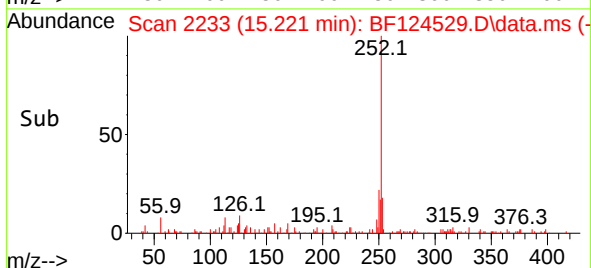
mohammad
7/7/2021 11:35:24 AM

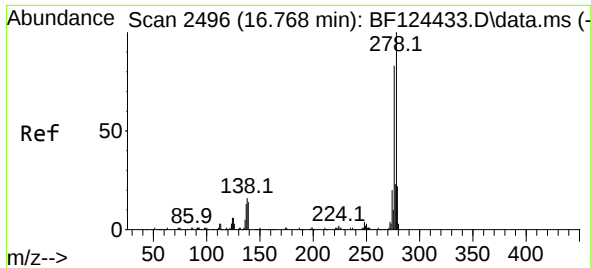


#90
Benzo(a)pyrene
Concen: 19.55 ng
RT: 15.221 min Scan# 2233
Delta R.T. 0.018 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09



Tgt Ion:252 Resp: 68886
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 10.9 8.0 12.0





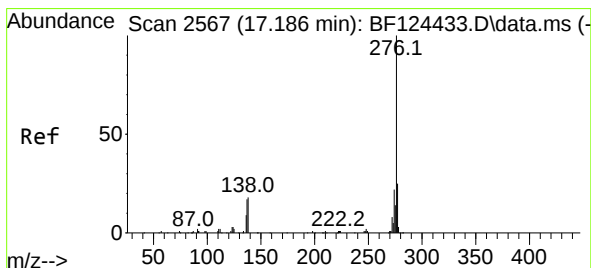
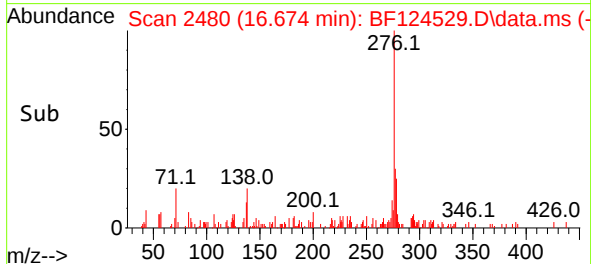
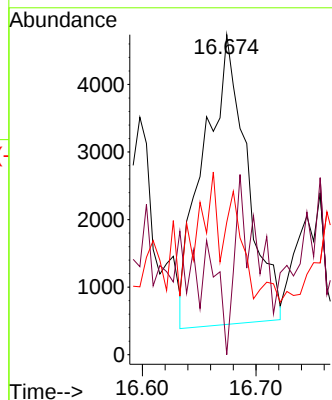
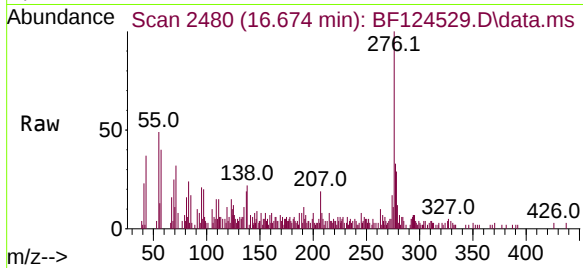
#91
Dibenzo(a,h)anthracene
Concen: 3.20 ng
RT: 16.674 min Scan# 2480
Delta R.T. 0.024 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion:278 Resp: 11382
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 41.4 19.4 29.0#

Instrument :
BNA_F
ClientSampleId :
D-4050

Manual Integrations
APPROVED

mohammad
7/7/2021 11:35:24 AM



#92
Benzo(g,h,i)perylene
Concen: 11.42 ng
RT: 17.104 min Scan# 2553
Delta R.T. 0.035 min
Lab File: BF124529.D
Acq: 2 Jul 2021 21:09

Tgt Ion:276 Resp: 39944
Ion Ratio Lower Upper
276 100
277 24.7 18.2 27.2
138 22.2 13.8 20.6#

