

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
 Data File : BF124197.D
 Acq On : 9 Jun 2021 00:34
 Operator : JU/CG
 Sample : M2589-19RE 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B12(2-4)RE

Manual Integrations
 APPROVED

mohammad
 6/9/2021 3:51:45 PM

Quant Time: Jun 09 04:10:35 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 07 13:32:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	34330	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	102437	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	53320	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	96762	20.000	ng	0.00
76) Chrysene-d12	14.039	240	75823	20.000	ng	0.00
86) Perylene-d12	15.521	264	58305	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	11291	4.951	ng	0.01
7) Phenol-d6	6.510	99	32893	10.730	ng	0.00
23) Nitrobenzene-d5	7.422	82	39448	15.273	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	489	0.647	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	69956	16.510	ng	0.00
79) Terphenyl-d14	12.975	244	79075	14.318	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	29195	4.830	ng	95
75) Fluoranthene	12.610	202	41661	6.566	ng	95
78) Pyrene	12.833	202	38037	5.224	ng	96
81) Benzo(a)anthracene	14.027	228	18279	3.309	ng	93
83) Chrysene	14.063	228	14922	2.800	ng	# 85
84) Bis(2-ethylhexyl)phtha...	14.010	149	10819	3.079	ng	# 91
87) Indeno(1,2,3-cd)pyrene	17.021	276	7834	5.804	ng	# 38
88) Benzo(b)fluoranthene	15.086	252	16678m	3.682	ng	
90) Benzo(a)pyrene	15.457	252	11913	3.028	ng	# 83
92) Benzo(g,h,i)perylene	17.480	276	7390	5.472	ng	# 78

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

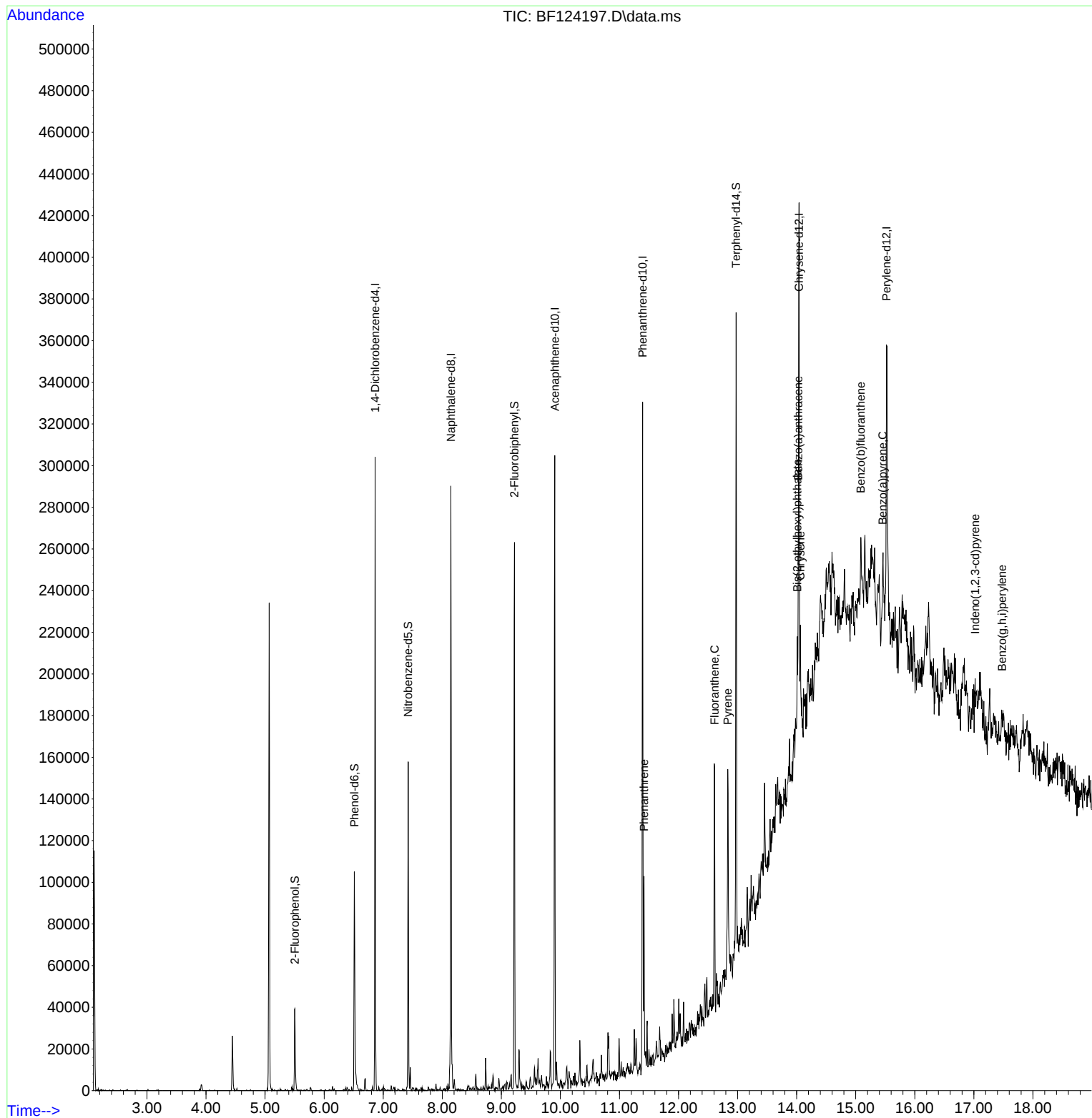
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
Data File : BF124197.D
Acq On : 9 Jun 2021 00:34
Operator : JU/CG
Sample : M2589-19RE 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

Manual Integrations
APPROVED

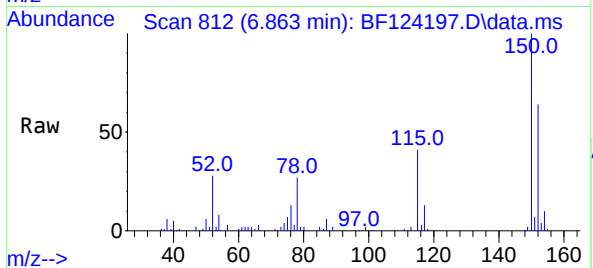
mohammad
6/9/2021 3:51:45 PM

Quant Time: Jun 09 04:10:35 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 07 13:32:21 2021
Response via : Initial Calibration

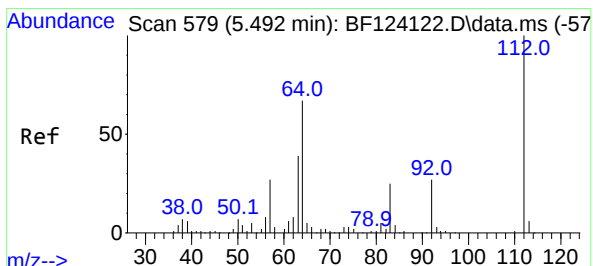
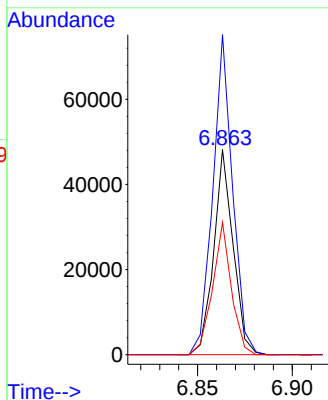
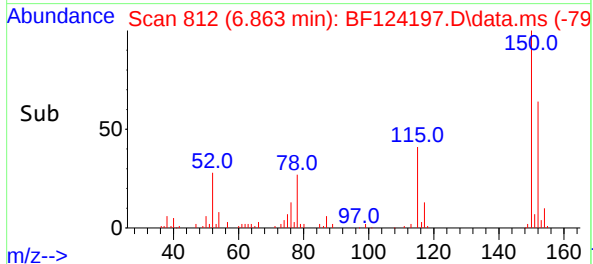




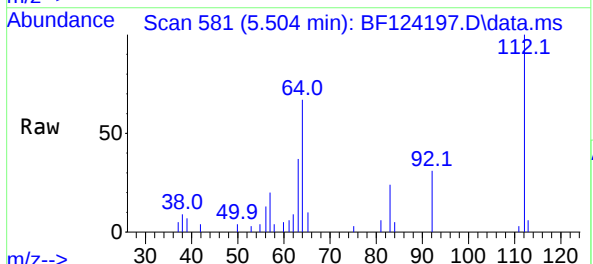
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34



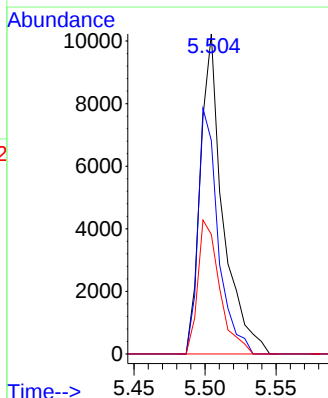
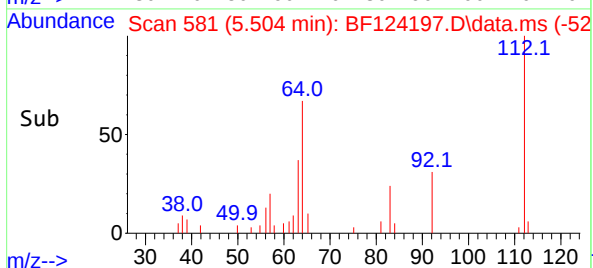
Tgt Ion:152 Resp: 34330
Ion Ratio Lower Upper
152 100
150 156.0 127.0 190.6
115 64.5 54.3 81.5



#5
2-Fluorophenol
Concen: 4.951 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34



Tgt Ion:112 Resp: 11291
Ion Ratio Lower Upper
112 100
64 66.7 61.4 92.0
63 37.3 33.0 49.4



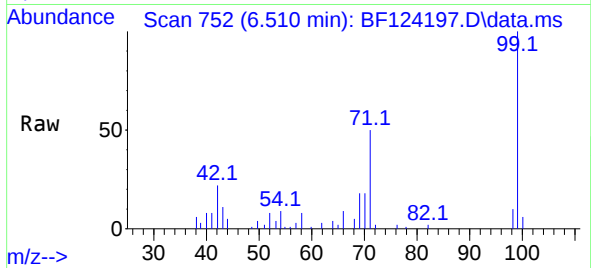
Instrument :
BNA_F
ClientSampled :
18-B12(2-4)RE

Manual Integrations
APPROVED

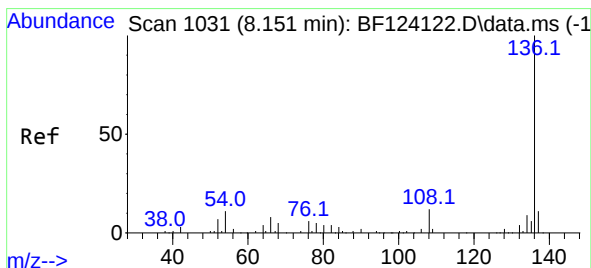
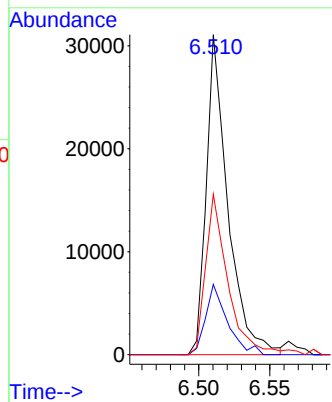
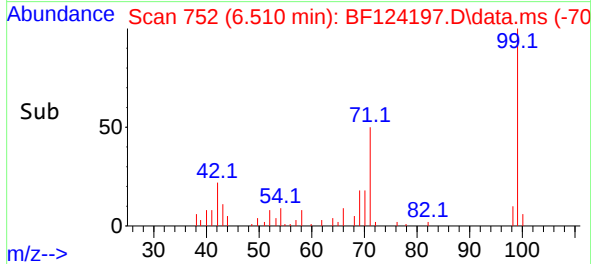
mohammad
6/9/2021 3:51:45 PM



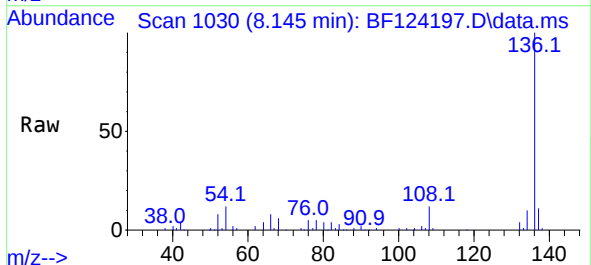
#7
Phenol-d6
Concen: 10.730 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34



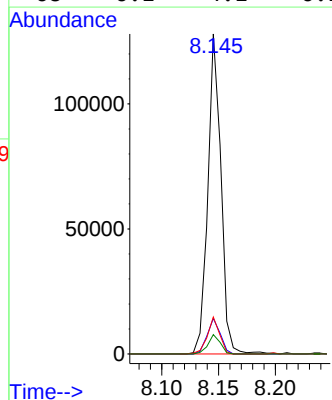
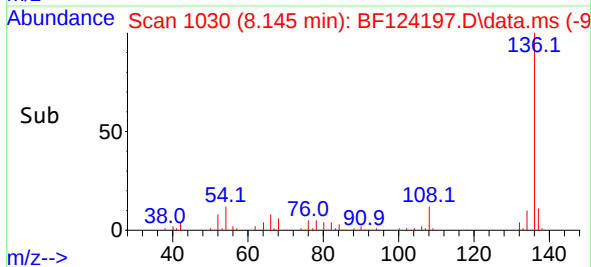
Tgt Ion: 99 Resp: 32893
Ion Ratio Lower Upper
99 100
42 22.0 19.8 29.8
71 50.2 31.1 46.7#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34



Tgt Ion: 136 Resp: 102437
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 11.5 9.8 14.6
68 6.1 4.1 6.1



Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

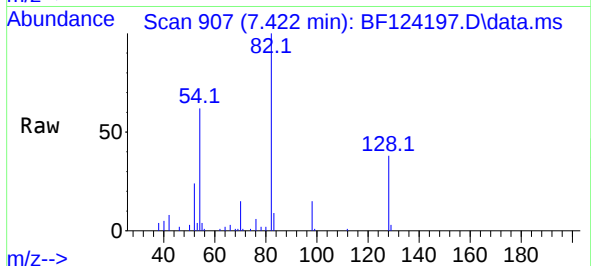
Manual Integrations
APPROVED

mohammad
6/9/2021 3:51:45 PM



#23
Nitrobenzene-d5
Concen: 15.273 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

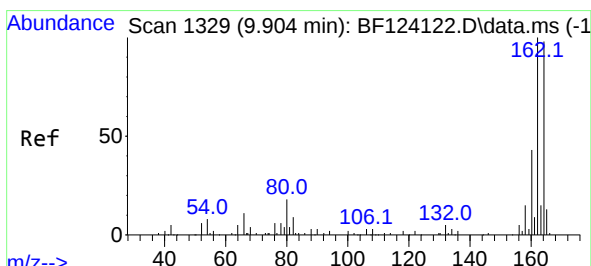
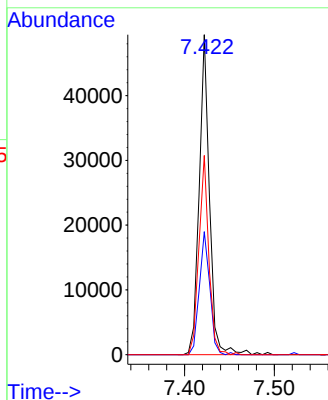
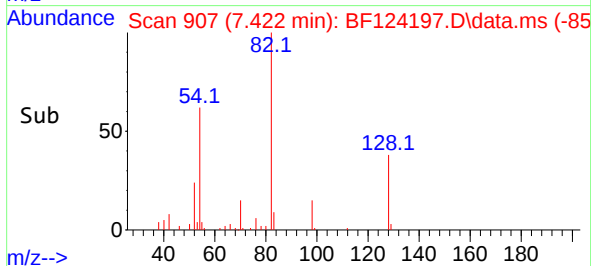
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE



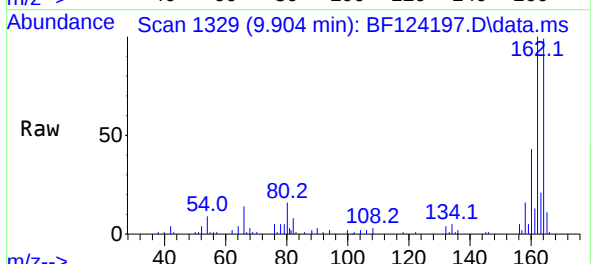
Tgt Ion: 82 Resp: 39448
Ion Ratio Lower Upper
82 100
128 38.5 29.4 44.2
54 62.2 54.1 81.1

Manual Integrations
APPROVED

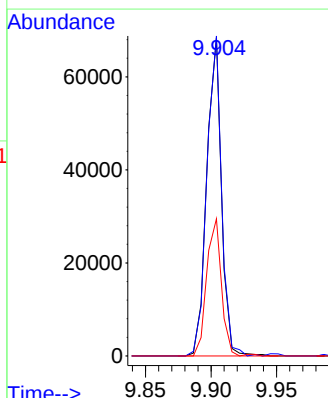
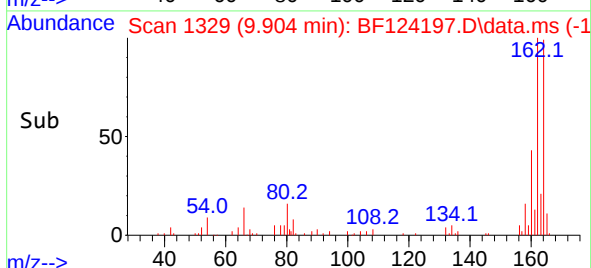
mohammad
6/9/2021 3:51:45 PM

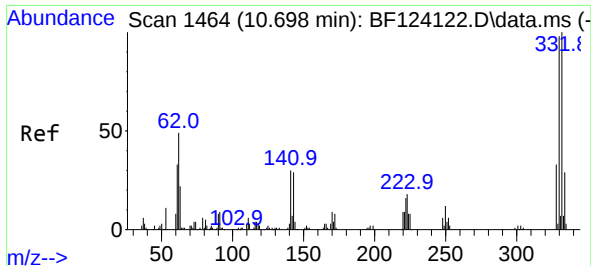


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34



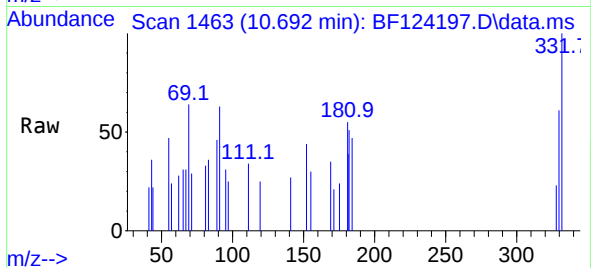
Tgt Ion: 164 Resp: 53320
Ion Ratio Lower Upper
164 100
162 100.5 80.7 121.1
160 43.1 37.3 55.9





#42
2,4,6-Tribromophenol
Concen: 0.647 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

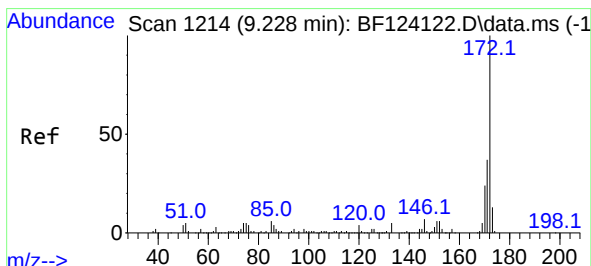
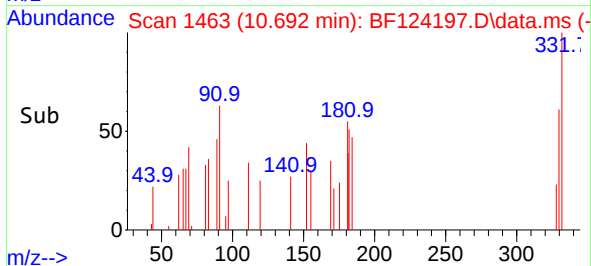
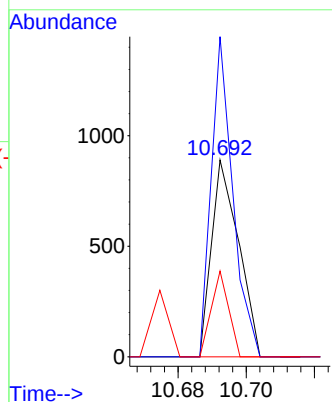
Instrument :
BNA_F
ClientSampled :
18-B12(2-4)RE



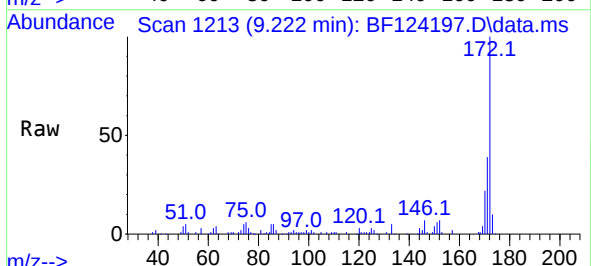
Tgt Ion:330 Resp: 489
Ion Ratio Lower Upper
330 100
332 129.7 77.1 115.7#
141 28.0 27.9 41.9

Manual Integrations
APPROVED

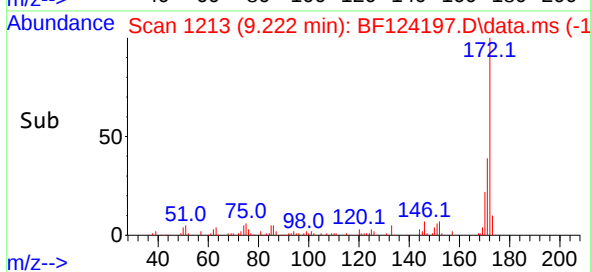
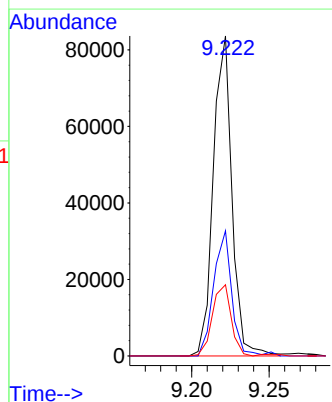
mohammad
6/9/2021 3:51:45 PM

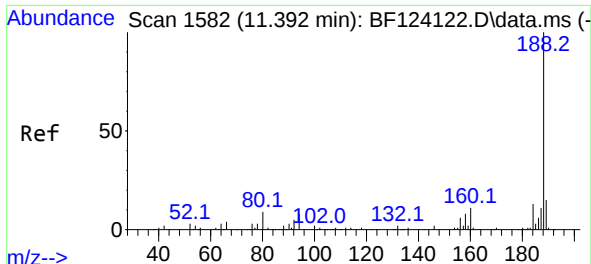


#45
2-Fluorobiphenyl
Concen: 16.510 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34



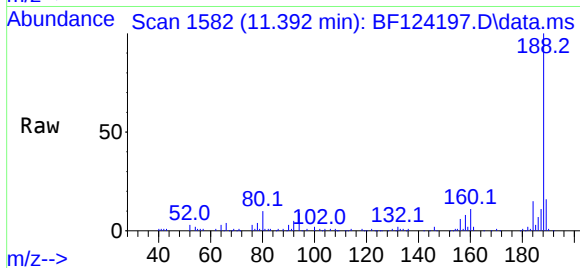
Tgt Ion:172 Resp: 69956
Ion Ratio Lower Upper
172 100
171 39.1 28.1 42.1
170 22.2 19.2 28.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

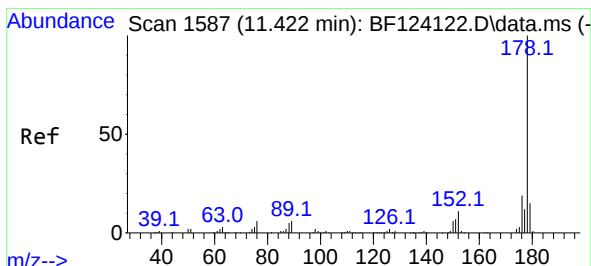
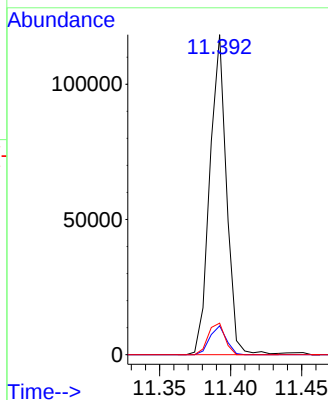
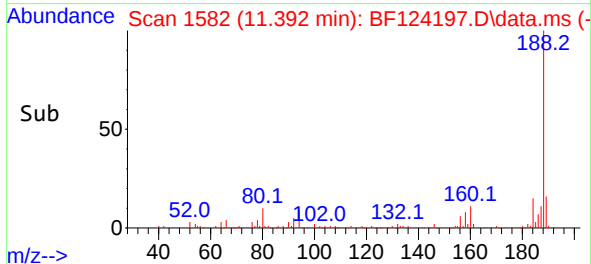
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE



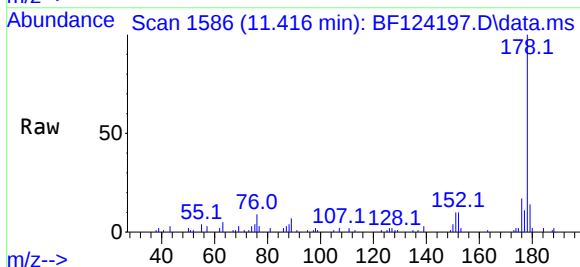
Tgt Ion:188 Resp: 96762
Ion Ratio Lower Upper
188 100
94 9.0 6.9 10.3
80 9.9 8.2 12.2

Manual Integrations
APPROVED

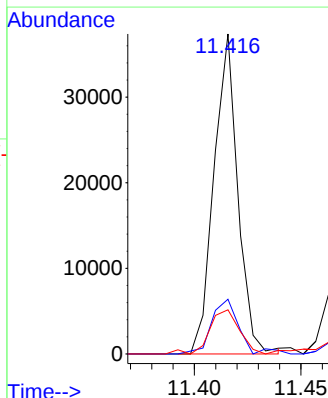
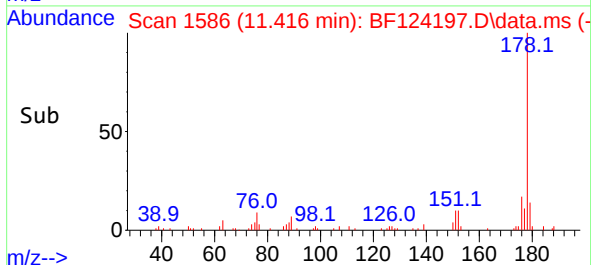
mohammad
6/9/2021 3:51:45 PM

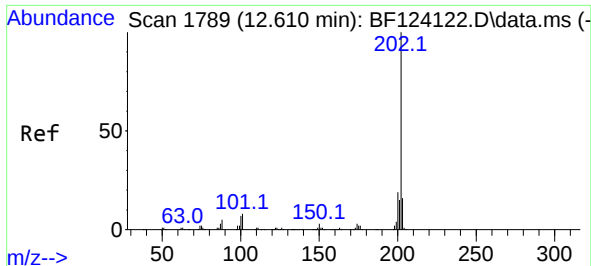


#71
Phenanthrene
Concen: 4.830 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34



Tgt Ion:178 Resp: 29195
Ion Ratio Lower Upper
178 100
176 17.1 15.6 23.4
179 13.8 12.5 18.7





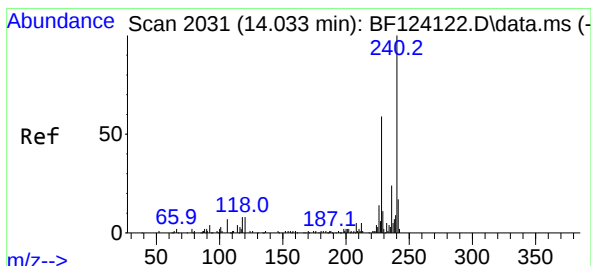
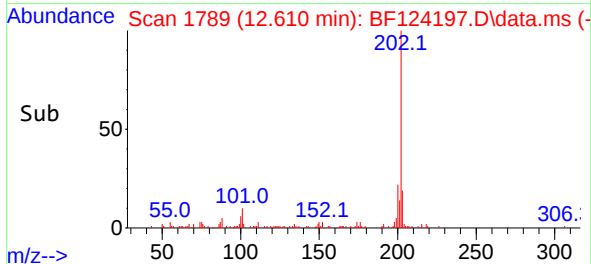
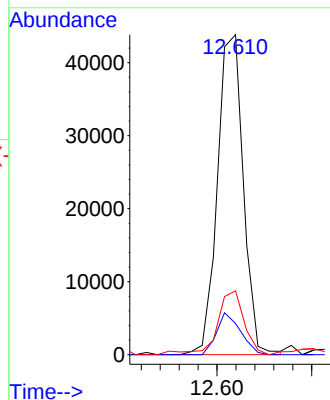
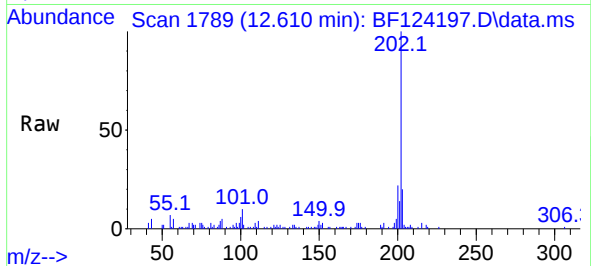
#75
Fluoranthene
Concen: 6.566 ng
RT: 12.610 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Tgt Ion:	202	Resp:	41661
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.9
203	19.9	0.0	37.5

Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

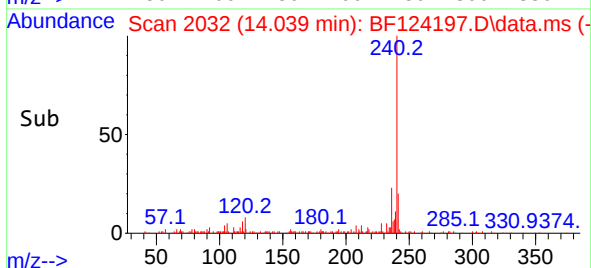
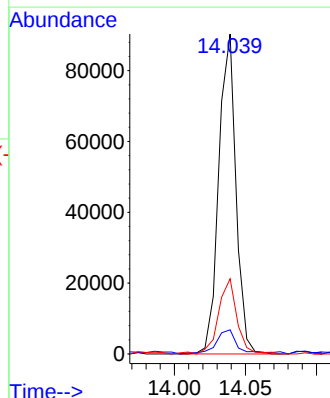
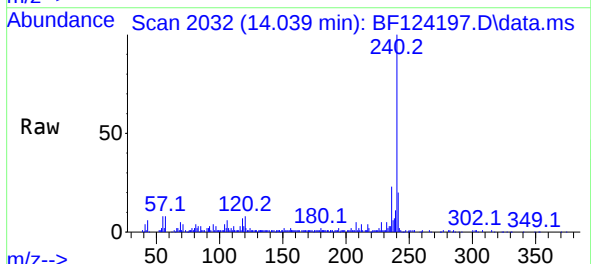
Manual Integrations
APPROVED

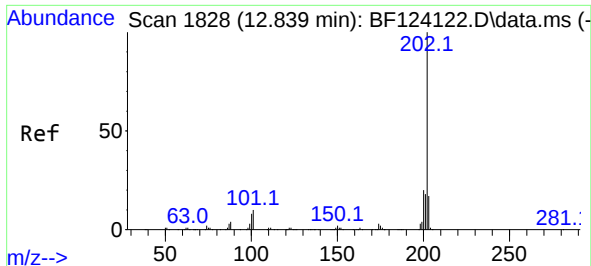
mohammad
6/9/2021 3:51:45 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Tgt Ion:	240	Resp:	75823
Ion	Ratio	Lower	Upper
240	100		
120	7.6	7.2	10.8
236	23.5	19.0	28.4





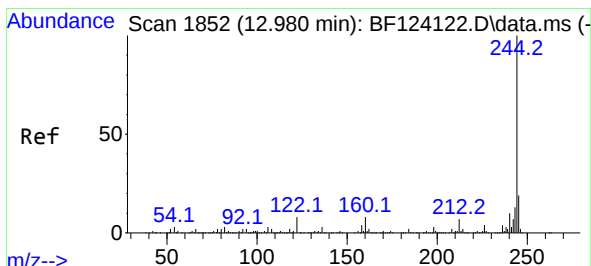
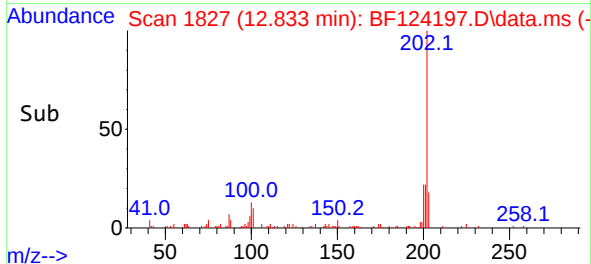
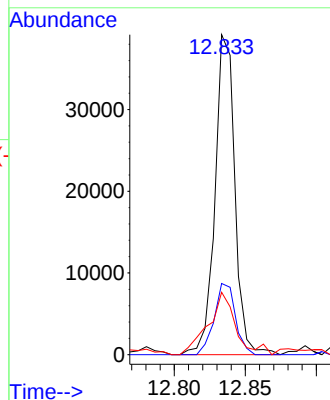
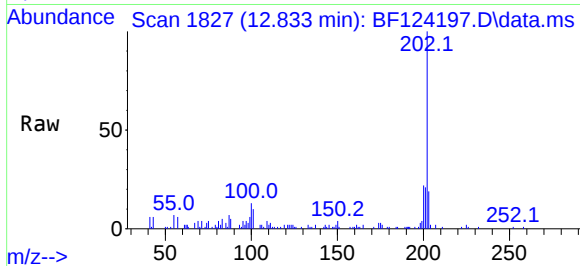
#78
 Pyrene
 Concen: 5.224 ng
 RT: 12.833 min Scan# 1827
 Delta R.T. -0.006 min
 Lab File: BF124197.D
 Acq: 9 Jun 2021 00:34

Tgt Ion:	202	Resp:	38037
Ion Ratio	Lower	Upper	
202	100		
200	22.3	16.1	24.1
203	19.5	14.8	22.2

Instrument :
 BNA_F
 ClientSampleId :
 18-B12(2-4)RE

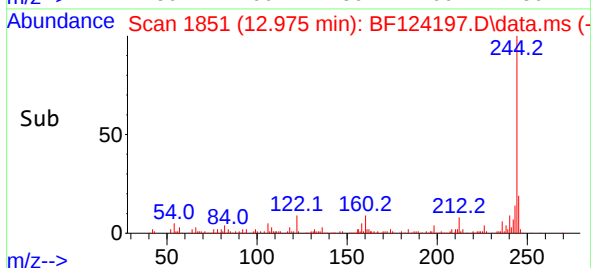
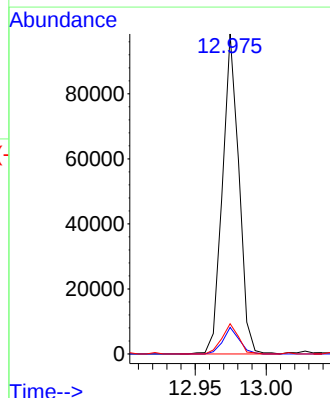
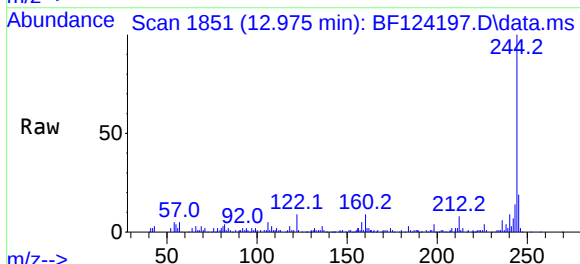
Manual Integrations
 APPROVED

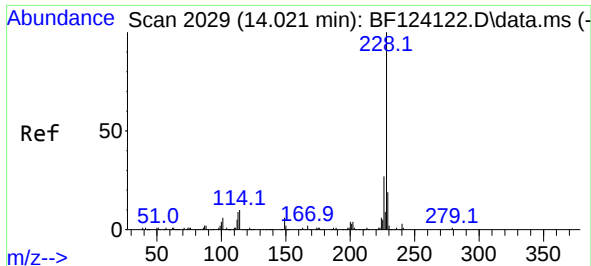
mohammad
 6/9/2021 3:51:45 PM



#79
 Terphenyl-d14
 Concen: 14.318 ng
 RT: 12.975 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF124197.D
 Acq: 9 Jun 2021 00:34

Tgt Ion:	244	Resp:	79075
Ion Ratio	Lower	Upper	
244	100		
212	8.3	5.7	8.5
122	9.5	9.7	14.5#





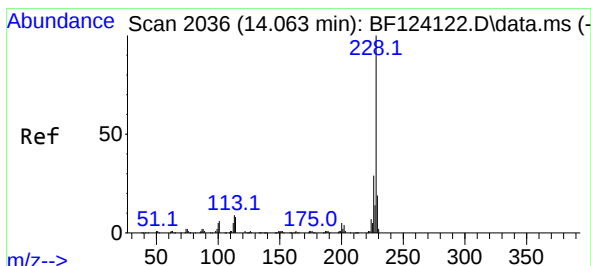
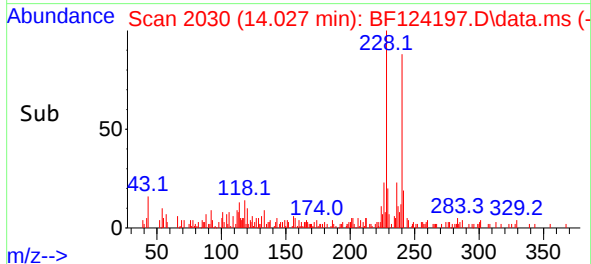
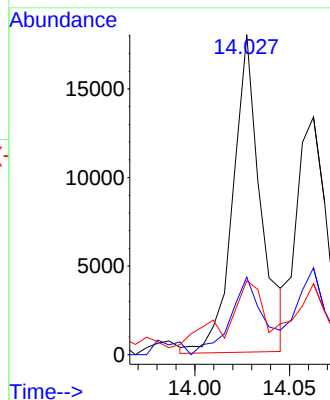
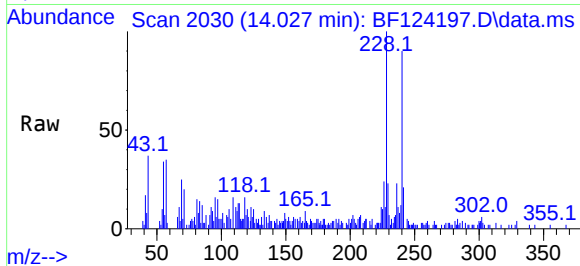
#81
Benzo(a)anthracene
Concen: 3.309 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Tgt Ion:228 Resp: 18279
Ion Ratio Lower Upper
228 100
226 24.3 22.4 33.6
229 23.1 16.0 24.0

Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

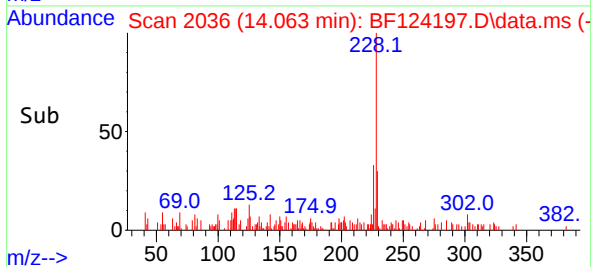
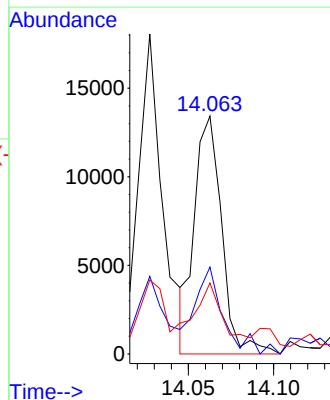
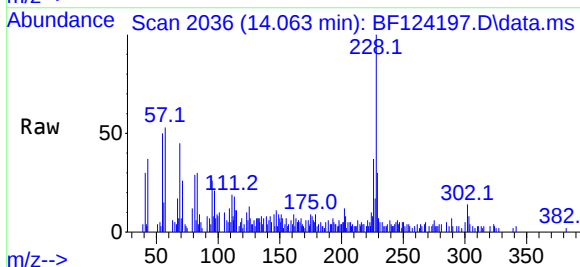
Manual Integrations
APPROVED

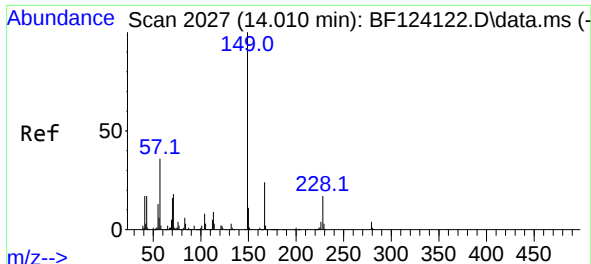
mohammad
6/9/2021 3:51:45 PM



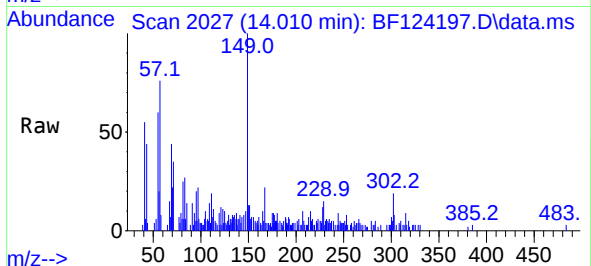
#83
Chrysene
Concen: 2.800 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Tgt Ion:228 Resp: 14922
Ion Ratio Lower Upper
228 100
226 36.5 24.3 36.5#
229 29.9 16.2 24.2#

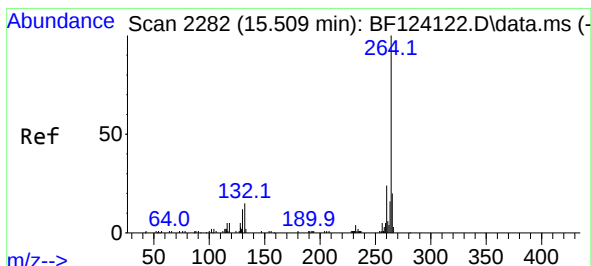
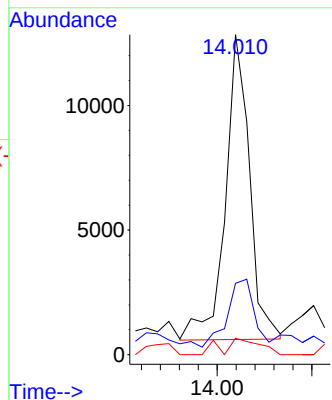
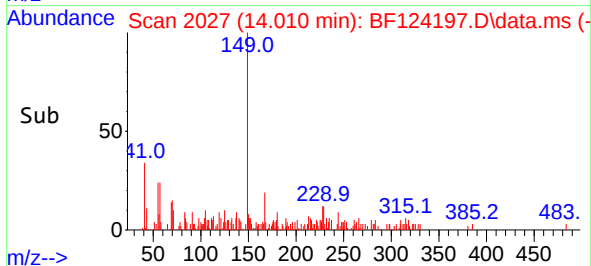




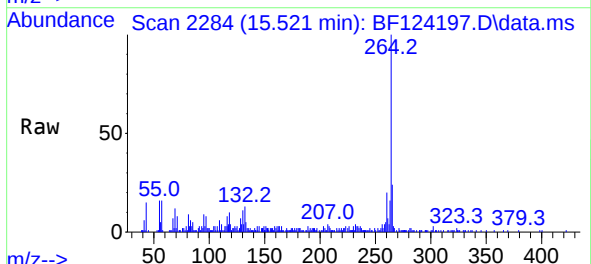
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.079 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34



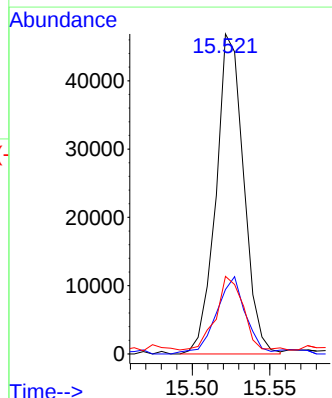
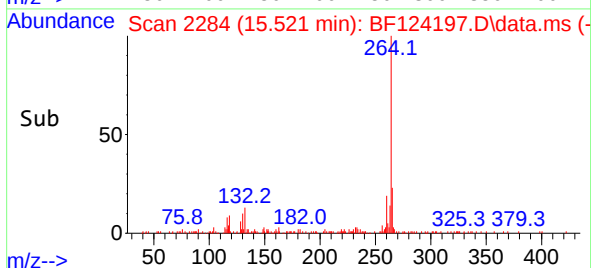
Tgt Ion:149 Resp: 10819
Ion Ratio Lower Upper
149 100
167 22.3 21.8 32.6
279 5.1 3.3 4.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2284
Delta R.T. 0.012 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34



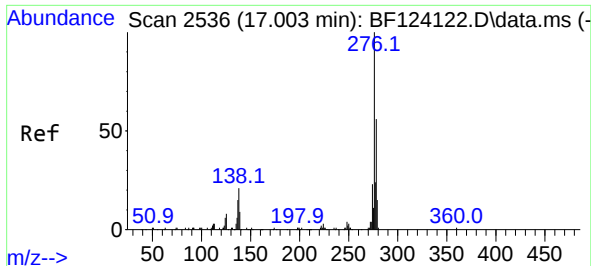
Tgt Ion:264 Resp: 58305
Ion Ratio Lower Upper
264 100
260 20.1 18.7 28.1
265 24.2 17.8 26.8



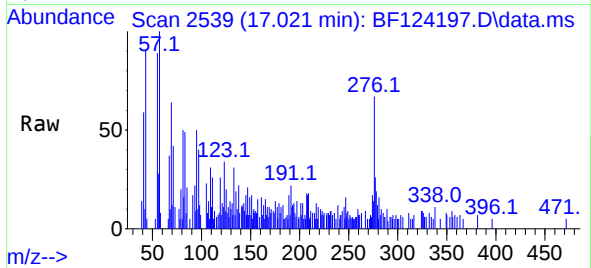
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

Manual Integrations
APPROVED

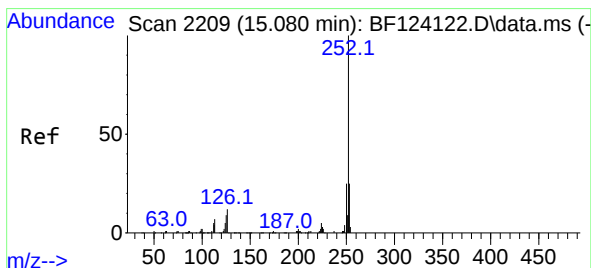
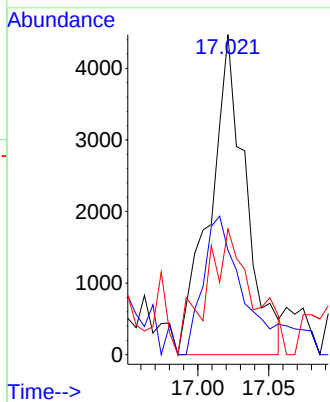
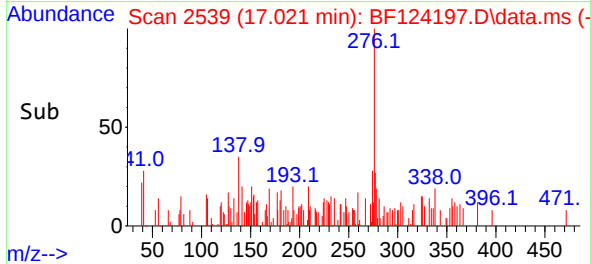
mohammad
6/9/2021 3:51:45 PM



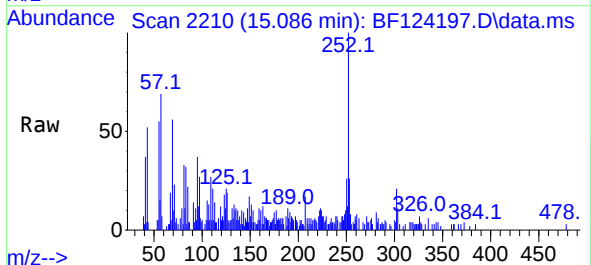
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.804 ng
RT: 17.021 min Scan# 2539
Delta R.T. 0.018 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34



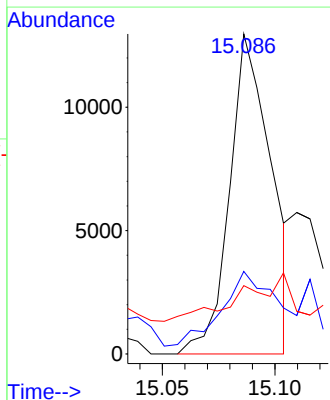
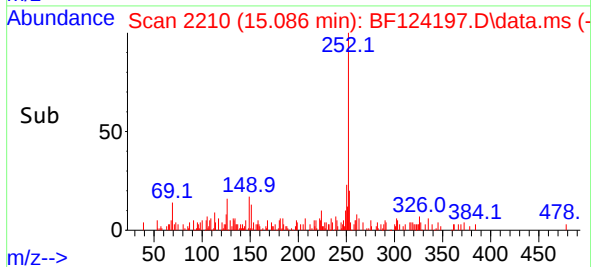
Tgt Ion: 276 Resp: 7834
Ion Ratio Lower Upper
276 100
138 54.1 16.2 24.2#
277 51.2 20.1 30.1#



#88
Benzo(b)fluoranthene
Concen: 3.682 ng m
RT: 15.086 min Scan# 2210
Delta R.T. 0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34



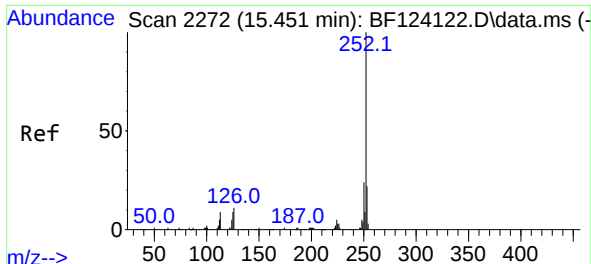
Tgt Ion: 252 Resp: 16678
Ion Ratio Lower Upper
252 100
253 25.8 18.1 27.1
125 21.4 6.2 9.4#



Instrument :
BNA_F
ClientSampled :
18-B12(2-4)RE

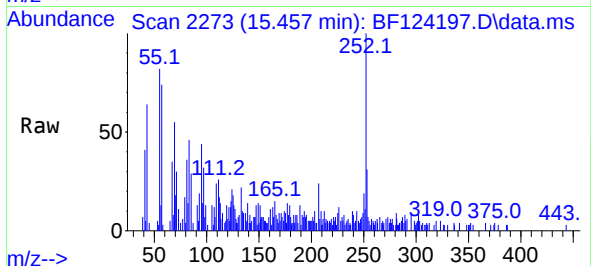
Manual Integrations
APPROVED

mohammad
6/9/2021 3:51:45 PM



#90
Benzo(a)pyrene
Concen: 3.028 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

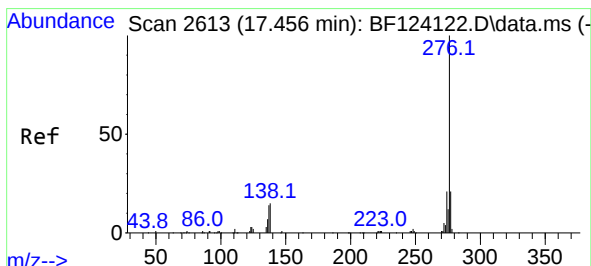
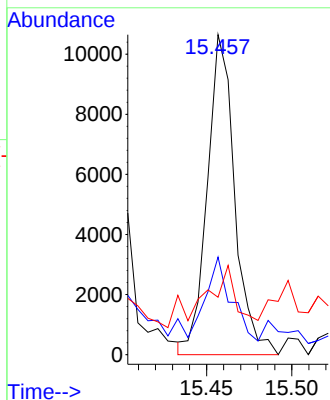
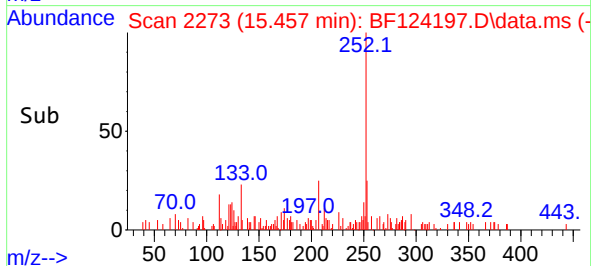
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE



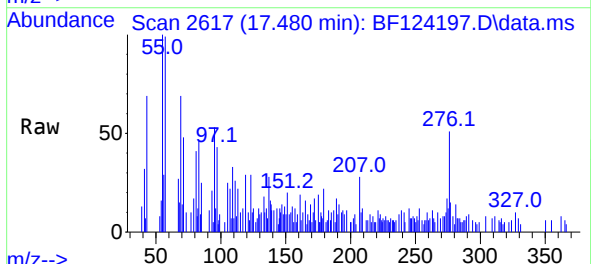
Tgt Ion:252 Resp: 11913
Ion Ratio Lower Upper
252 100
253 30.5 18.4 27.6#
125 17.9 8.0 12.0#

Manual Integrations
APPROVED

mohammad
6/9/2021 3:51:45 PM



#92
Benzo(g,h,i)perylene
Concen: 5.472 ng
RT: 17.480 min Scan# 2617
Delta R.T. 0.024 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34



Tgt Ion:276 Resp: 7390
Ion Ratio Lower Upper
276 100
277 30.2 18.2 27.2#
138 30.8 13.8 20.6#

