

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080721\
 Data File : BF124984.D
 Acq On : 7 Aug 2021 20:36
 Operator : JU/CG
 Sample : M3289-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 44043RT

Manual Integrations
 APPROVED

mohammad
 8/10/2021 4:24:30 PM

Quant Time: Aug 08 09:10:52 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 06 11:27:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	5880	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	23306	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	11821	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	15847	20.000	ng	# 0.00
76) Chrysene-d12	13.992	240	13340	20.000	ng	0.00
86) Perylene-d12	15.451	264	12020	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	39136	109.029	ng	0.00
7) Phenol-d6	6.463	99	47333	104.578	ng	0.00
23) Nitrobenzene-d5	7.392	82	31320	70.301	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	9595	90.854	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	58759	72.734	ng	0.00
79) Terphenyl-d14	12.939	244	44479	56.243	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.380	178	3486	4.055	ng	# 80
72) Anthracene	11.427	178	2107	2.443	ng	# 58
75) Fluoranthene	12.568	202	10625	11.948	ng	94
78) Pyrene	12.798	202	10572	10.061	ng	96
81) Benzo(a)anthracene	13.986	228	7163	8.240	ng	98
83) Chrysene	14.021	228	6696	7.968	ng	96
87) Indeno(1,2,3-cd)pyrene	16.903	276	3659	5.112	ng	# 83
88) Benzo(b)fluoranthene	15.027	252	11139m	13.198	ng	
89) Benzo(k)fluoranthene	15.051	252	2778m	3.618	ng	
90) Benzo(a)pyrene	15.392	252	6245	8.689	ng	# 90
92) Benzo(g,h,i)perylene	17.339	276	3261	5.402	ng	# 73

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

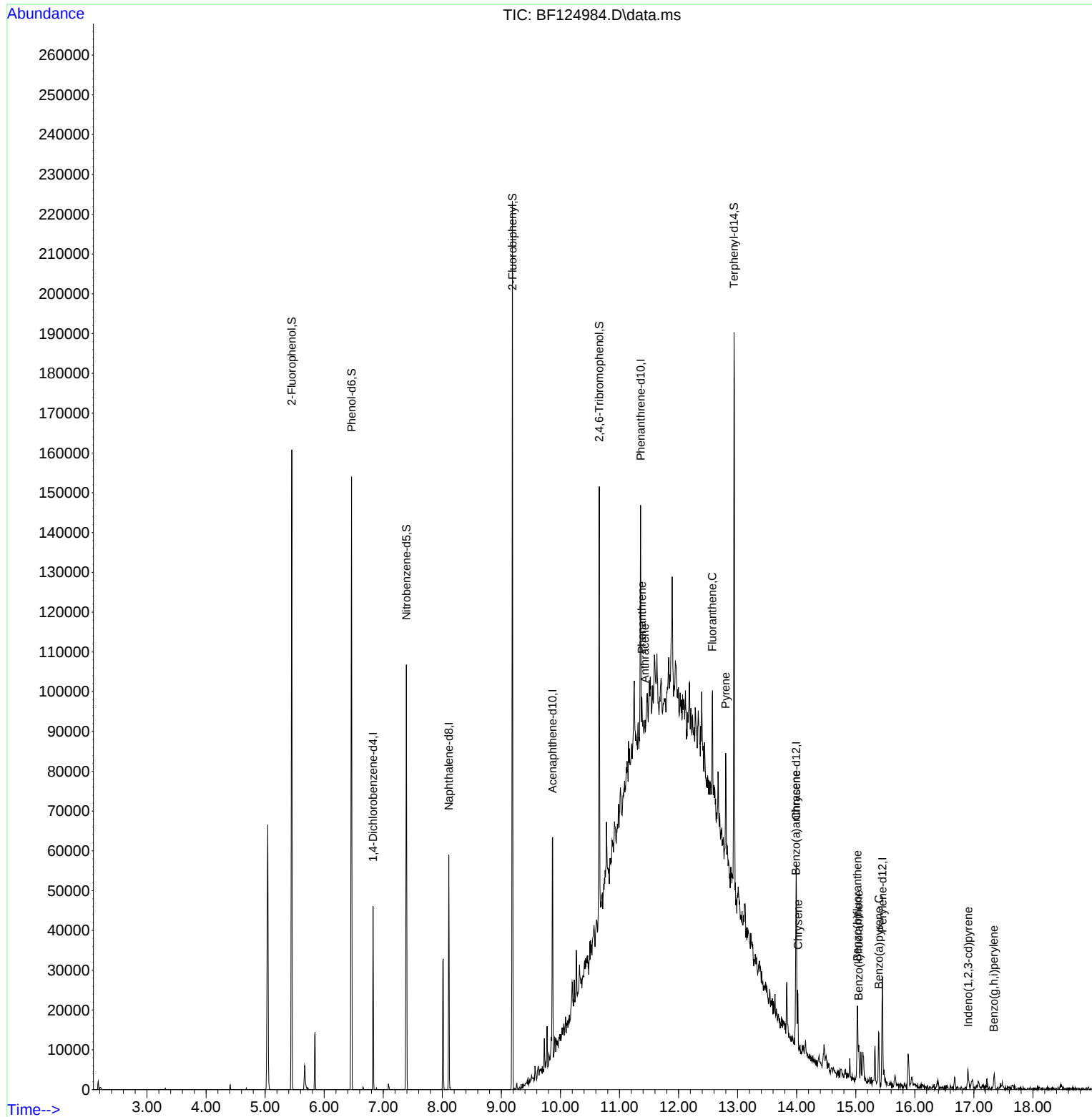
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080721\
Data File : BF124984.D
Acq On : 7 Aug 2021 20:36
Operator : JU/CG
Sample : M3289-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

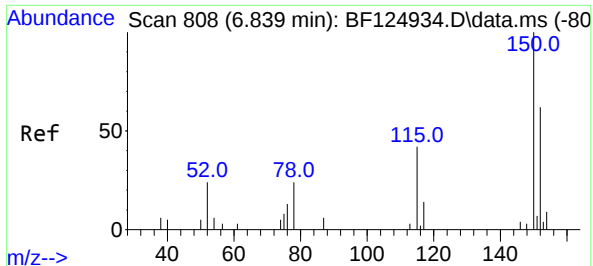
Instrument :
BNA_F
ClientSampleId :
44043RT

Manual Integrations
APPROVED

mohammad
8/10/2021 4:24:30 PM

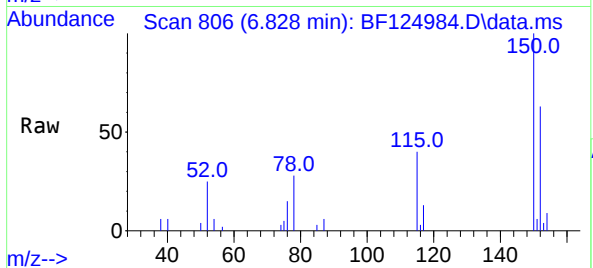
Quant Time: Aug 08 09:10:52 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 06 11:27:24 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

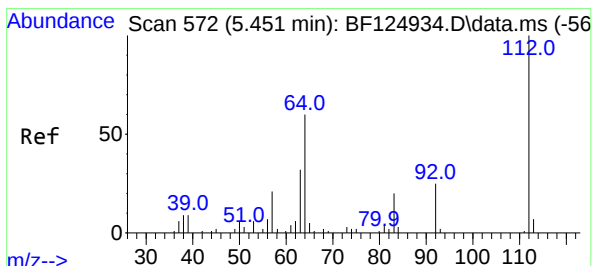
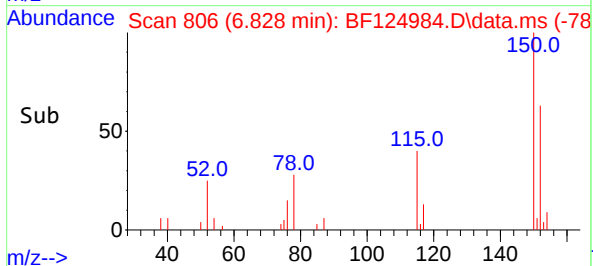
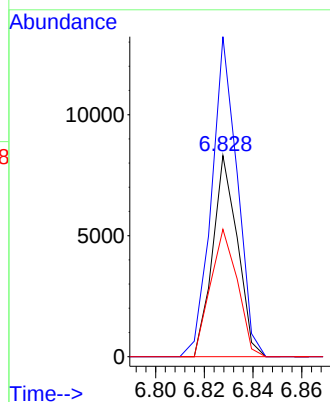
Instrument :
BNA_F
ClientSampled :
44043RT



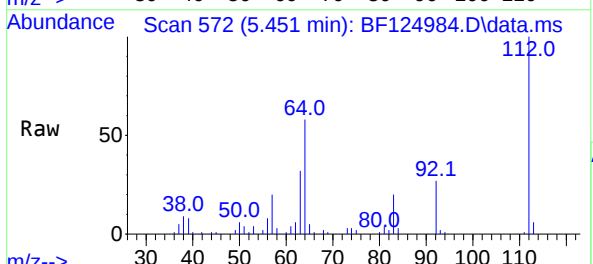
Tgt Ion:152 Resp: 5880
Ion Ratio Lower Upper
152 100
150 159.1 117.6 176.4
115 63.3 47.1 70.7

Manual Integrations
APPROVED

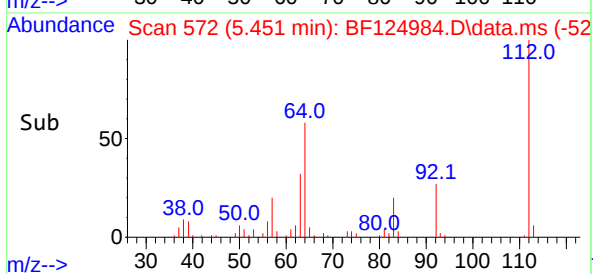
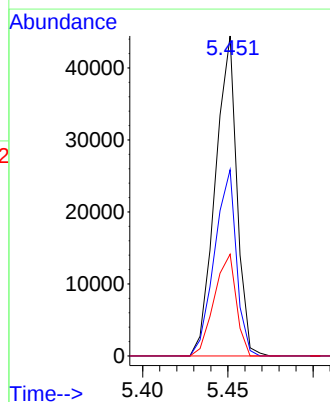
mohammad
8/10/2021 4:24:30 PM



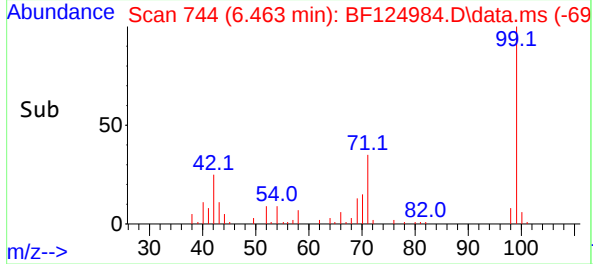
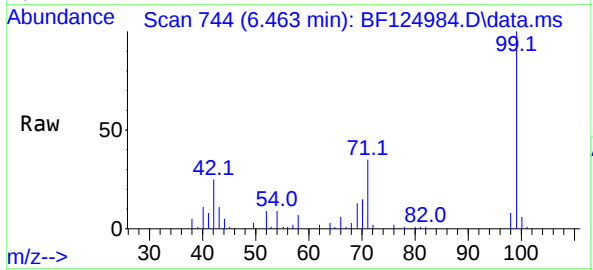
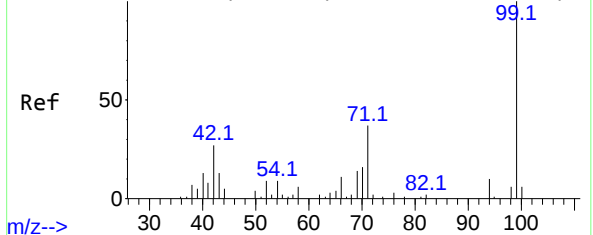
#5
2-Fluorophenol
Concen: 109.029 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36



Tgt Ion:112 Resp: 39136
Ion Ratio Lower Upper
112 100
64 58.2 44.2 66.2
63 31.8 26.2 39.2

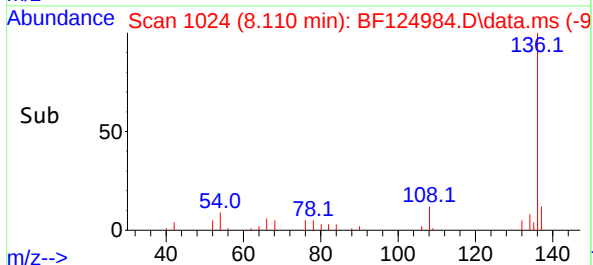
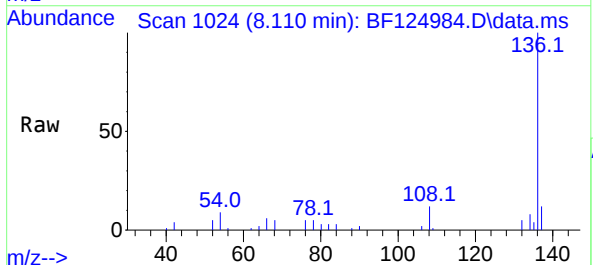
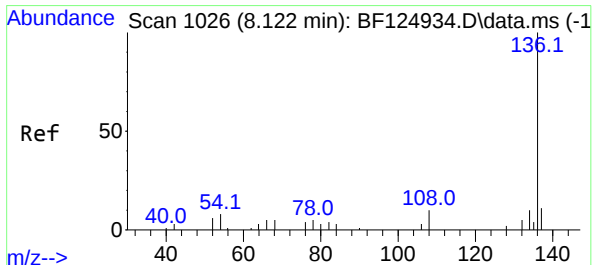
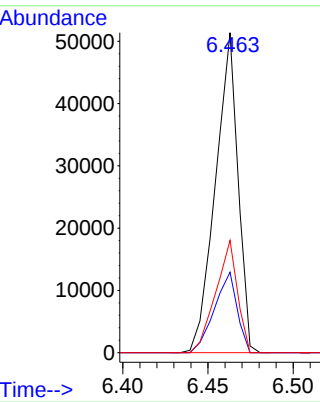


Abundance Scan 745 (6.469 min): BF124934.D\data.ms (-73



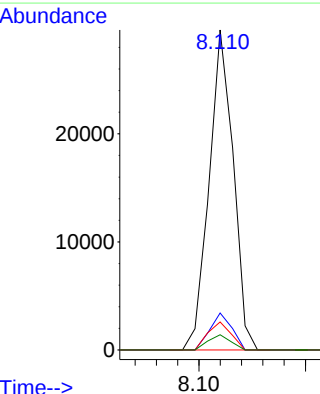
#7
Phenol-d6
Concen: 104.578 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

Tgt Ion:	99	Resp:	47333
Ion	Ratio	Lower	Upper
99	100		
42	25.1	23.5	35.3
71	35.1	25.6	38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

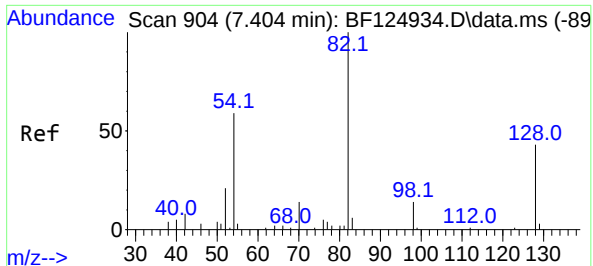
Tgt Ion:	136	Resp:	23306
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.8	14.6
54	8.8	6.4	9.6
68	4.8	3.3	4.9



Instrument :
BNA_F
ClientSampled :
44043RT

Manual Integrations
APPROVED

mohammad
8/10/2021 4:24:30 PM



#23

Nitrobenzene-d5

Concen: 70.301 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.006 min

Lab File: BF124984.D

Acq: 7 Aug 2021 20:36

Tgt Ion:	82	Resp:	31320
Ion	Ratio	Lower	Upper
82	100		
128	45.5	40.6	60.8
54	56.7	49.6	74.4

Instrument :

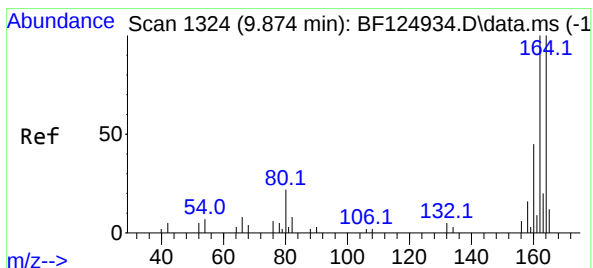
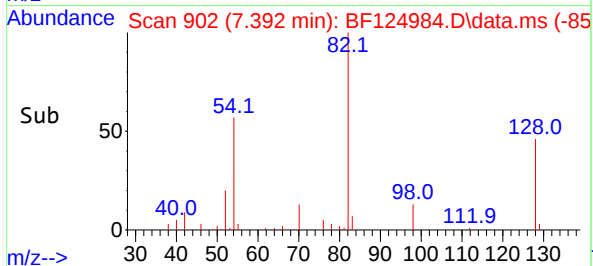
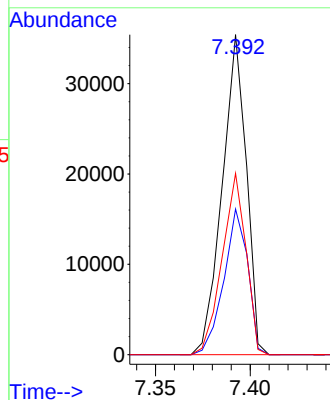
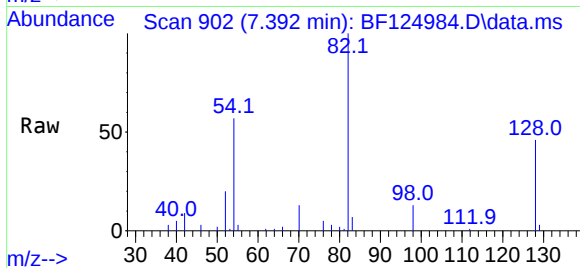
BNA_F

ClientSampled :

44043RT

Manual Integrations
APPROVED

mohammad
8/10/2021 4:24:30 PM



#39

Acenaphthene-d10

Concen: 20.000 ng

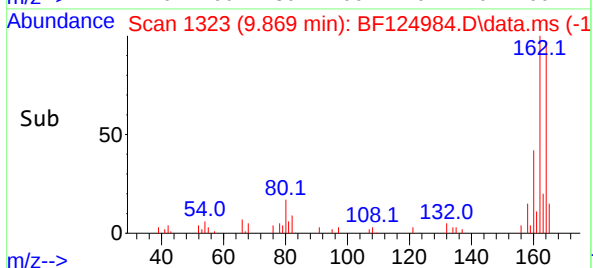
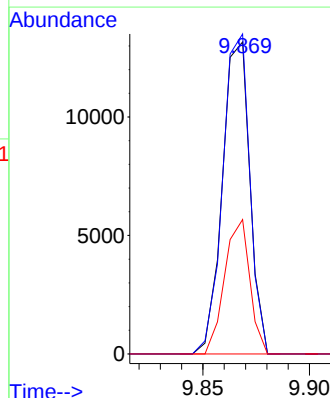
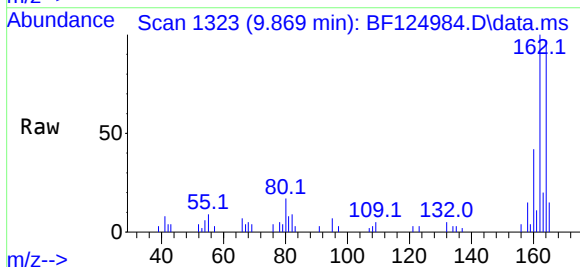
RT: 9.869 min Scan# 1323

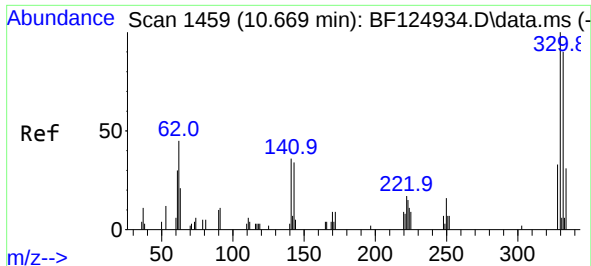
Delta R.T. 0.000 min

Lab File: BF124984.D

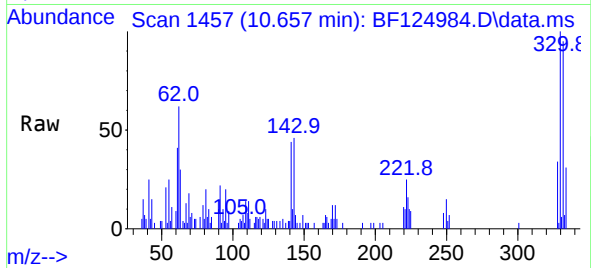
Acq: 7 Aug 2021 20:36

Tgt Ion:	164	Resp:	11821
Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.3	121.9
160	43.1	38.0	57.0

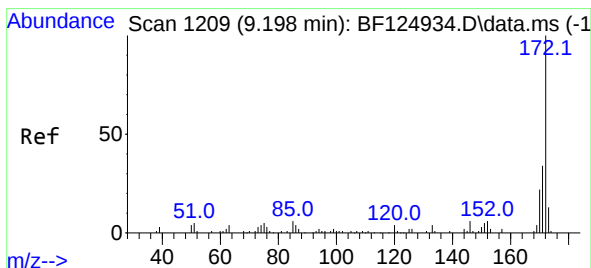
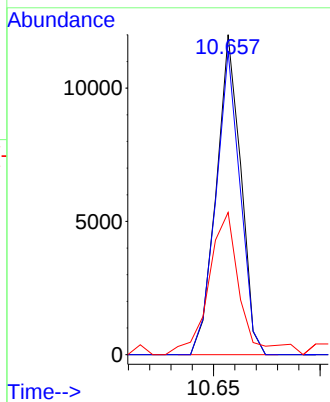
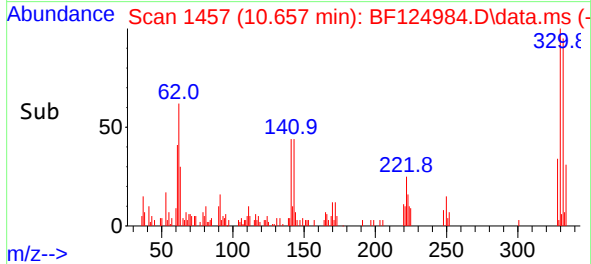




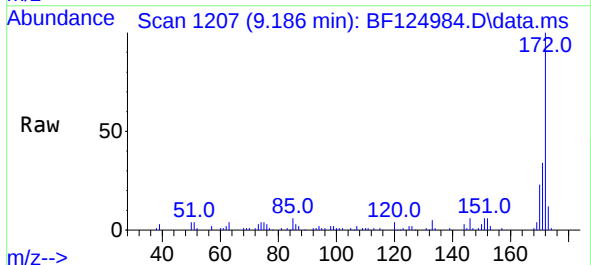
#42
2,4,6-Tribromophenol
Concen: 90.854 ng
RT: 10.657 min Scan# 1457
Delta R.T. 0.000 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36



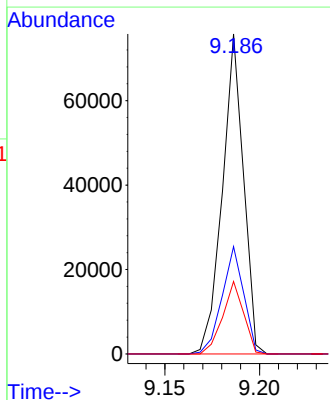
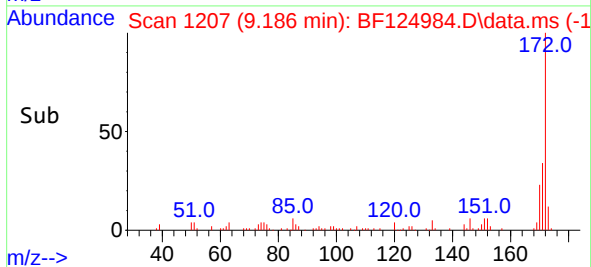
Tgt Ion: 330 Resp: 9595
Ion Ratio Lower Upper
330 100
332 93.8 76.2 114.4
141 56.7 44.6 66.8



#45
2-Fluorobiphenyl
Concen: 72.734 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36



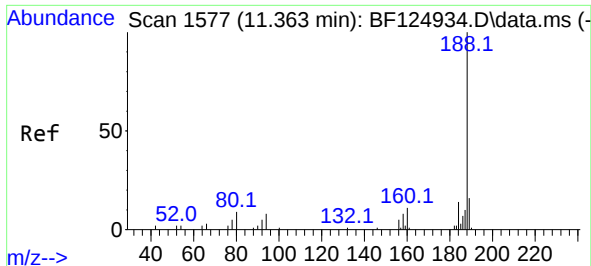
Tgt Ion: 172 Resp: 58759
Ion Ratio Lower Upper
172 100
171 33.6 26.5 39.7
170 22.7 18.8 28.2



Instrument :
BNA_F
ClientSampled :
44043RT

Manual Integrations
APPROVED

mohammad
8/10/2021 4:24:30 PM



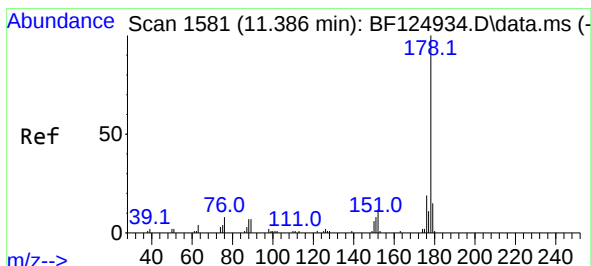
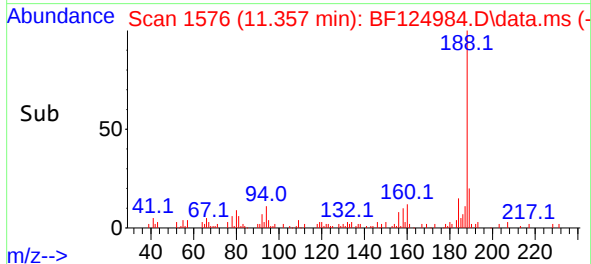
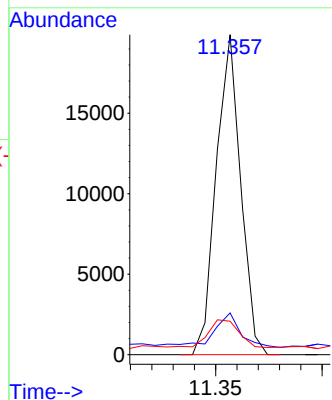
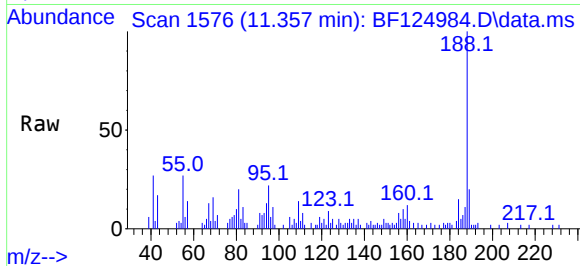
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. 0.006 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

Tgt Ion:188 Resp: 15847
Ion Ratio Lower Upper
188 100
94 13.0 6.7 10.1#
80 10.4 7.5 11.3

Instrument :
BNA_F
ClientSampleId :
44043RT

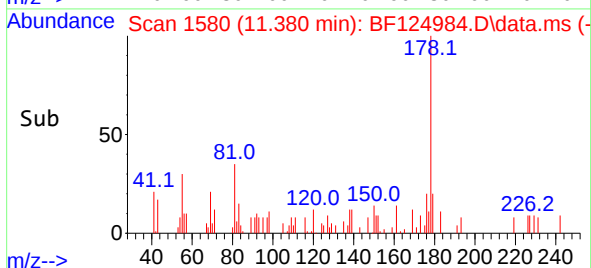
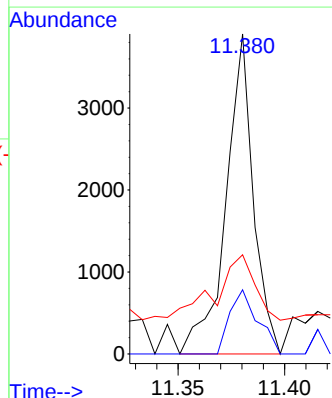
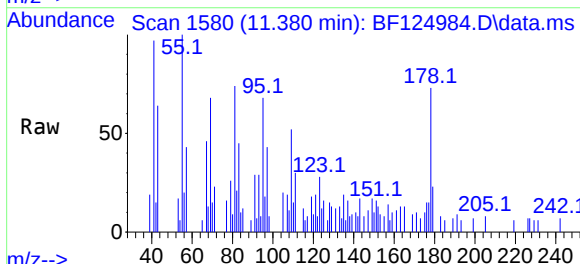
Manual Integrations
APPROVED

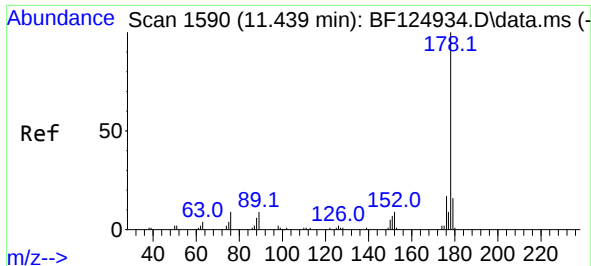
mohammad
8/10/2021 4:24:30 PM



#71
Phenanthrene
Concen: 4.055 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

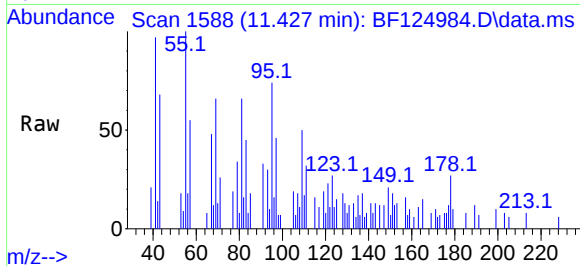
Tgt Ion:178 Resp: 3486
Ion Ratio Lower Upper
178 100
176 20.0 14.7 22.1
179 31.0 11.5 17.3#





#72
 Anthracene
 Concen: 2.443 ng
 RT: 11.427 min Scan# 1588
 Delta R.T. -0.006 min
 Lab File: BF124984.D
 Acq: 7 Aug 2021 20:36

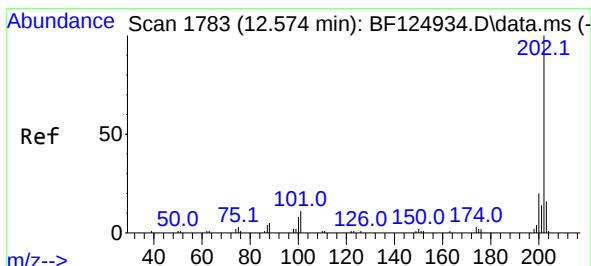
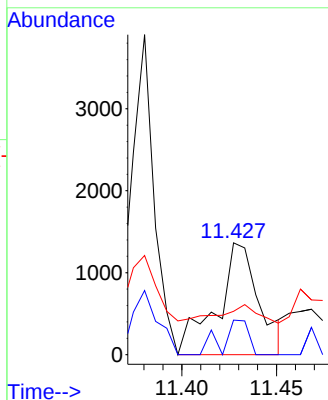
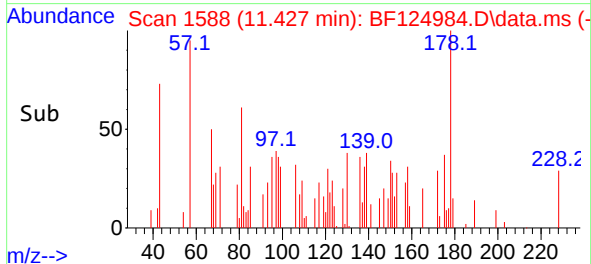
Instrument :
 BNA_F
 ClientSampled :
 44043RT



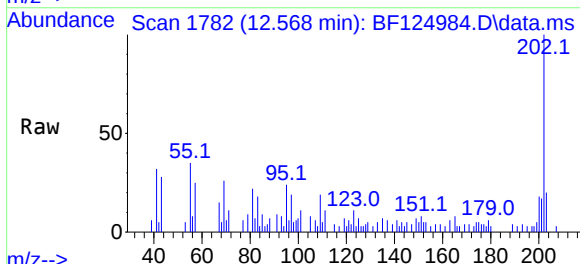
Tgt Ion:178 Resp: 2107
 Ion Ratio Lower Upper
 178 100
 176 30.9 14.3 21.5#
 179 38.9 12.2 18.4#

Manual Integrations
 APPROVED

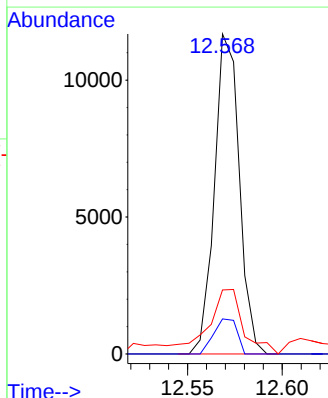
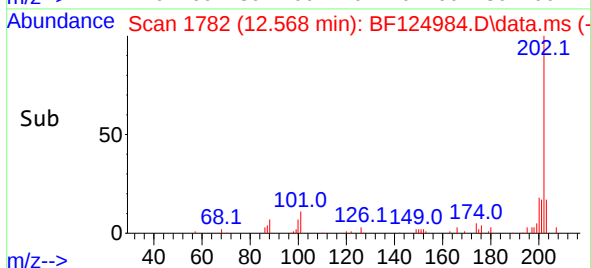
mohammad
 8/10/2021 4:24:30 PM

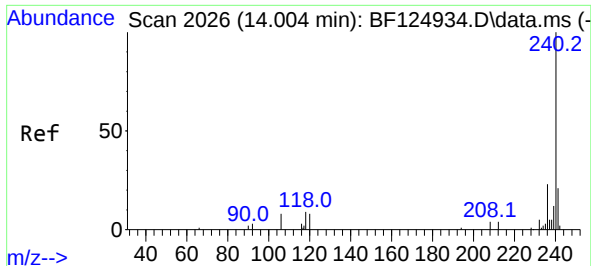


#75
 Fluoranthene
 Concen: 11.948 ng
 RT: 12.568 min Scan# 1782
 Delta R.T. 0.006 min
 Lab File: BF124984.D
 Acq: 7 Aug 2021 20:36



Tgt Ion:202 Resp: 10625
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 30.7
 203 20.0 0.0 36.3





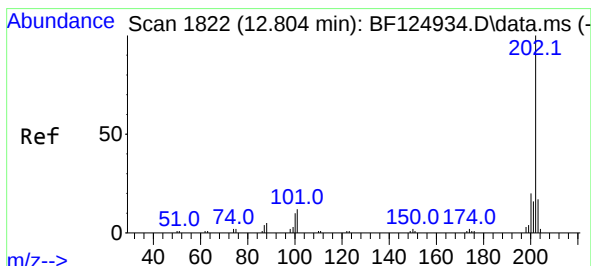
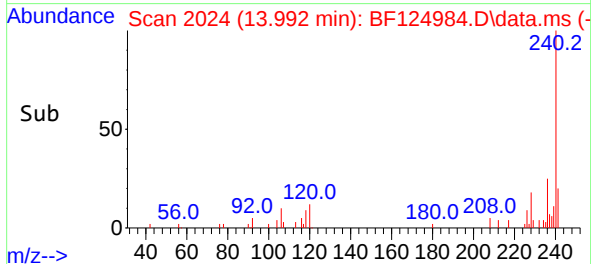
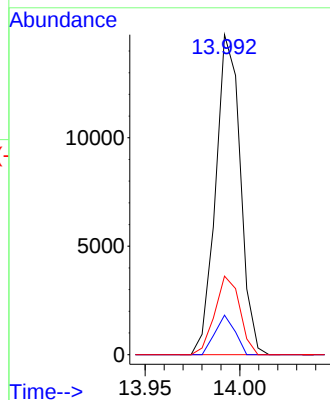
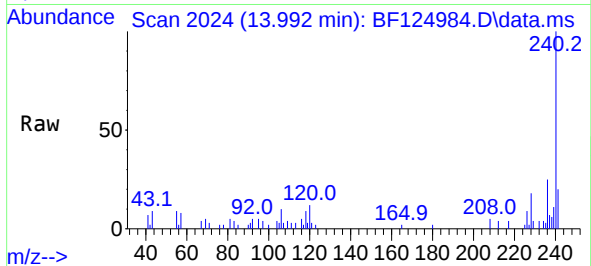
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

Tgt Ion:	240	Resp:	13340
Ion	Ratio	Lower	Upper
240	100		
120	12.3	10.8	16.2
236	24.5	21.6	32.4

Instrument :
BNA_F
ClientSampled :
44043RT

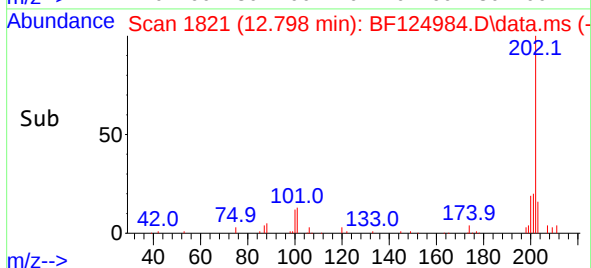
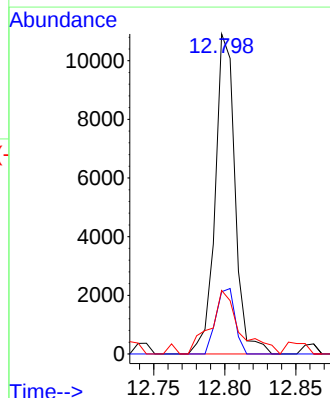
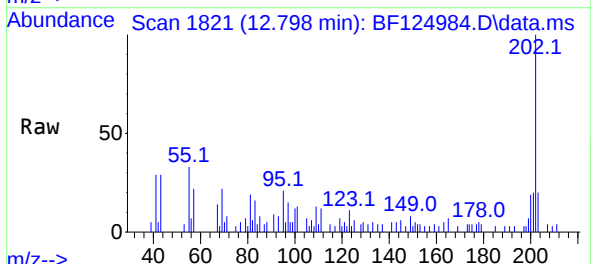
Manual Integrations
APPROVED

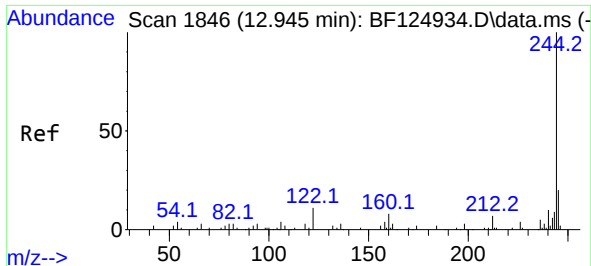
mohammad
8/10/2021 4:24:30 PM



#78
Pyrene
Concen: 10.061 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.006 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

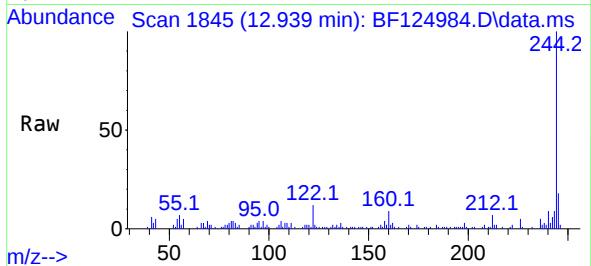
Tgt Ion:	202	Resp:	10572
Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.3	22.9
203	19.9	13.4	20.0





#79
Terphenyl-d14
Concen: 56.243 ng
RT: 12.939 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

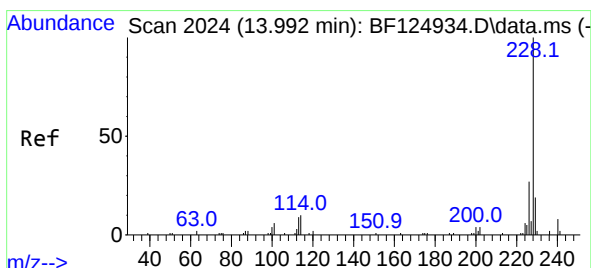
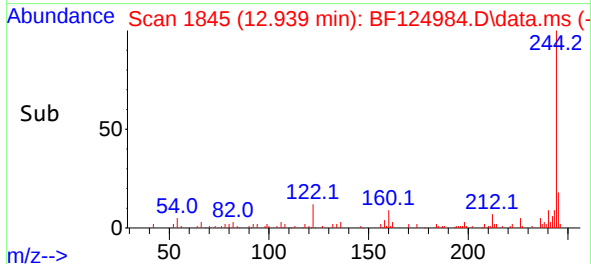
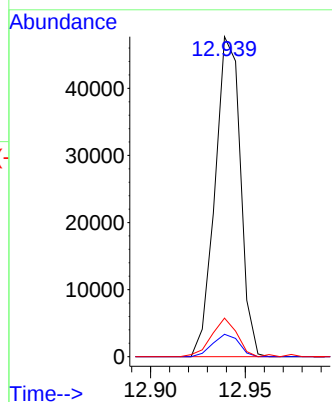
Instrument :
BNA_F
ClientSampled :
44043RT



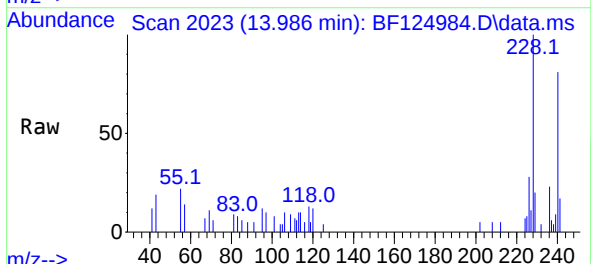
Tgt Ion:244 Resp: 44479
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 12.0 9.0 13.4

Manual Integrations
APPROVED

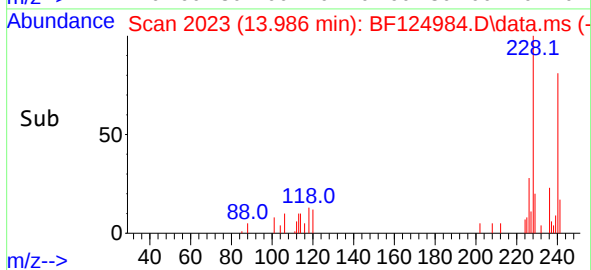
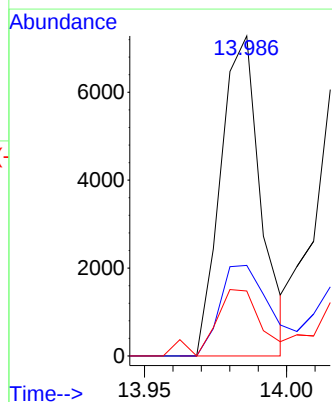
mohammad
8/10/2021 4:24:30 PM

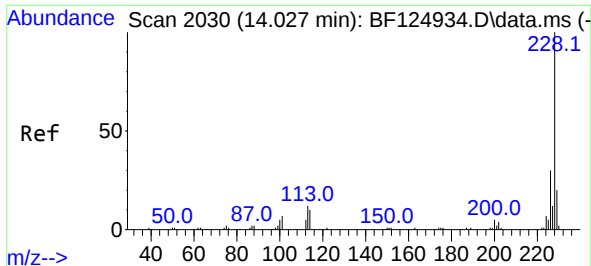


#81
Benzo(a)anthracene
Concen: 8.240 ng
RT: 13.986 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36



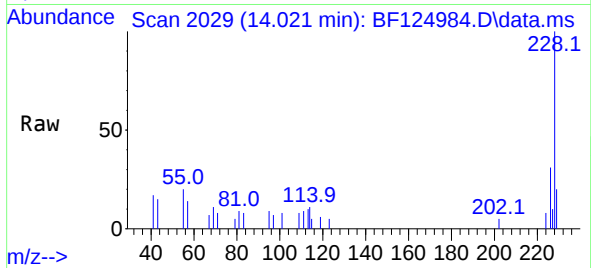
Tgt Ion:228 Resp: 7163
Ion Ratio Lower Upper
228 100
226 28.3 21.6 32.4
229 20.3 15.6 23.4





#83
Chrysene
Concen: 7.968 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

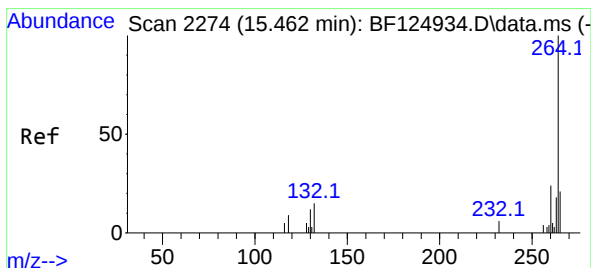
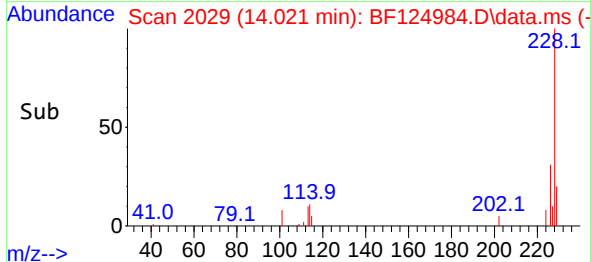
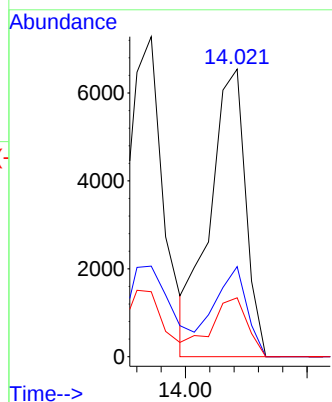
Instrument :
BNA_F
ClientSampled :
44043RT



Tgt Ion:228 Resp: 6696
Ion Ratio Lower Upper
228 100
226 31.3 22.6 34.0
229 20.5 15.9 23.9

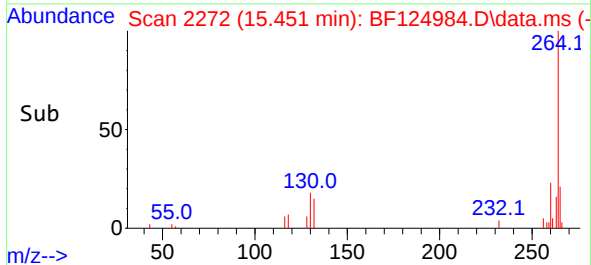
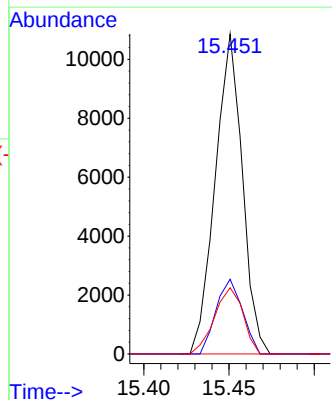
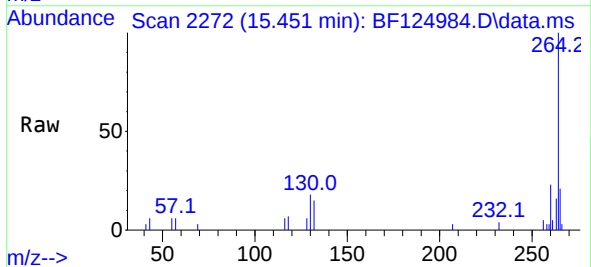
Manual Integrations
APPROVED

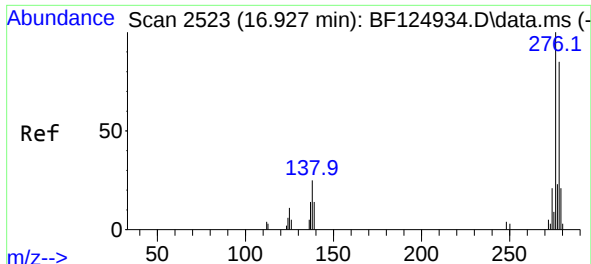
mohammad
8/10/2021 4:24:30 PM



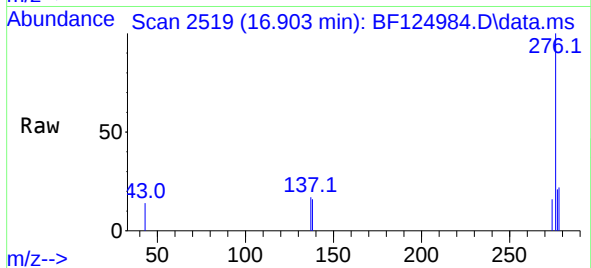
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36

Tgt Ion:264 Resp: 12020
Ion Ratio Lower Upper
264 100
260 23.4 19.6 29.4
265 20.7 17.2 25.8

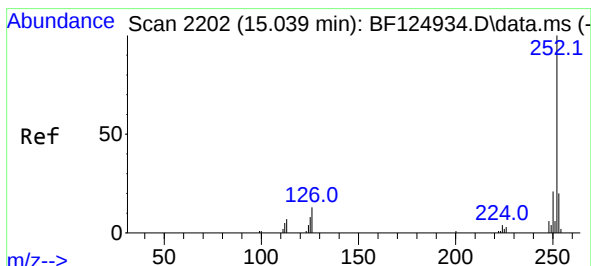
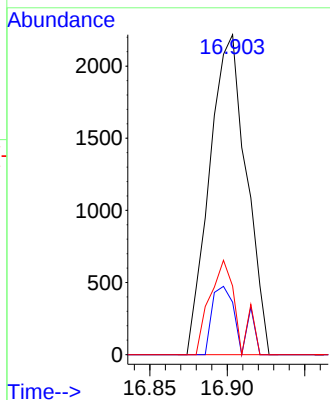
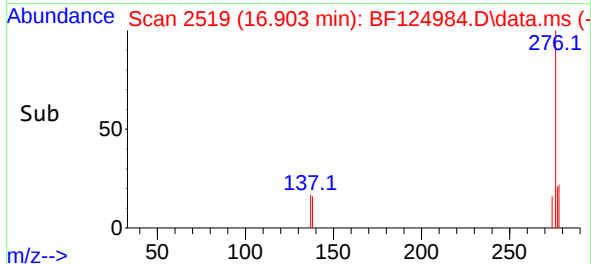




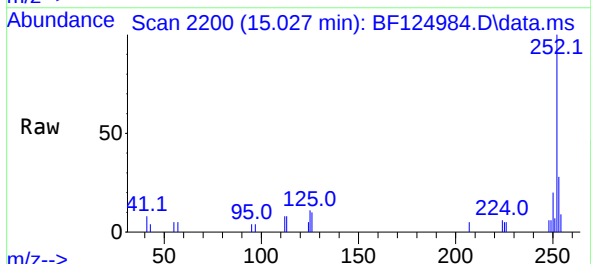
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.112 ng
RT: 16.903 min Scan# 2519
Delta R.T. 0.000 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36



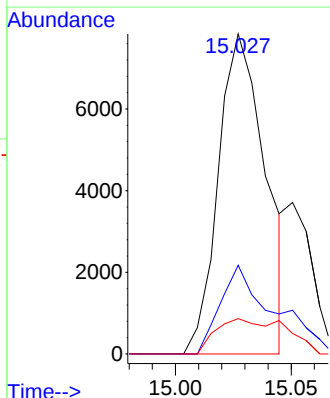
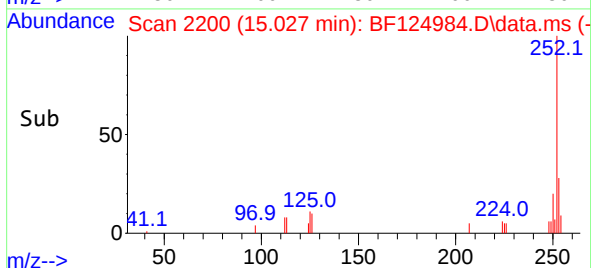
Tgt Ion:276 Resp: 3659
Ion Ratio Lower Upper
276 100
138 15.4 24.1 36.1#
277 22.0 18.8 28.2



#88
Benzo(b)fluoranthene
Concen: 13.198 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF124984.D
Acq: 7 Aug 2021 20:36



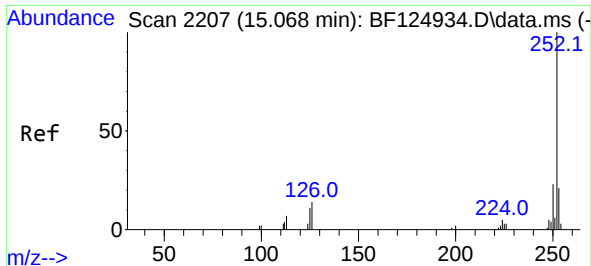
Tgt Ion:252 Resp: 11139
Ion Ratio Lower Upper
252 100
253 27.7 16.8 25.2#
125 11.0 9.8 14.8



Instrument :
BNA_F
ClientSampled :
44043RT

Manual Integrations
APPROVED

mohammad
8/10/2021 4:24:30 PM



#89

Benzo(k)fluoranthene

Concen: 3.618 ng m

RT: 15.051 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF124984.D

Acq: 7 Aug 2021 20:36

Tgt Ion:	252	Resp:	2778
Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.8	26.8#
125	13.6	7.2	10.8#

Instrument :

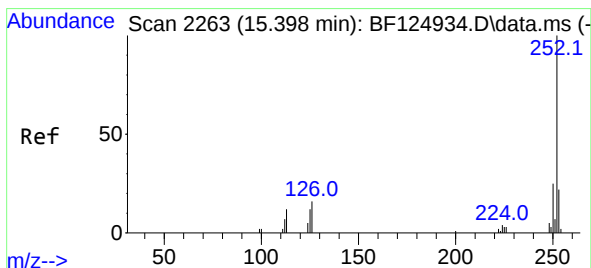
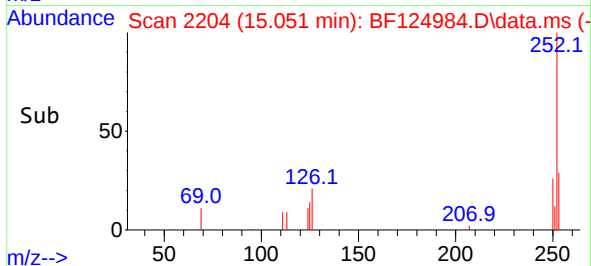
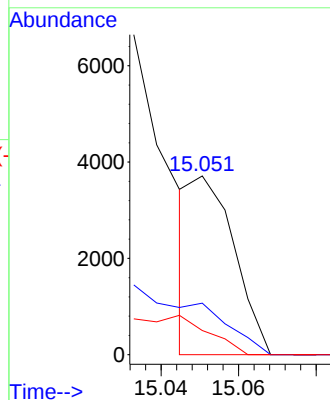
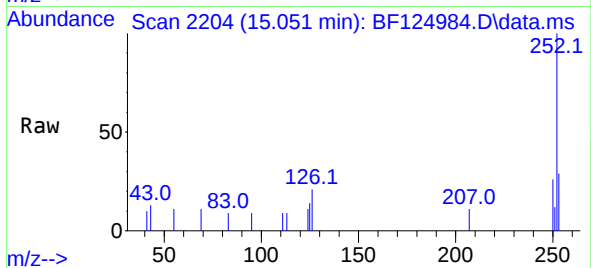
BNA_F

ClientSampleId :

44043RT

Manual Integrations
APPROVED

mohammad
8/10/2021 4:24:30 PM



#90

Benzo(a)pyrene

Concen: 8.689 ng

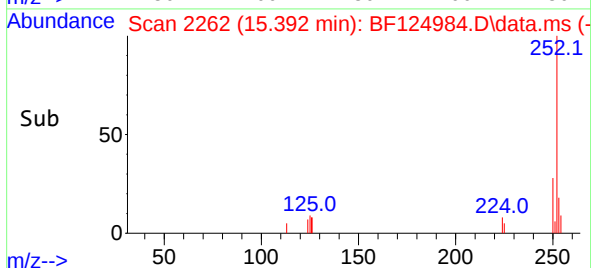
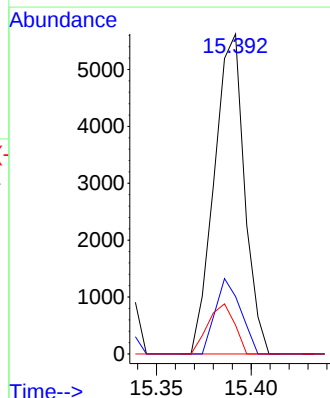
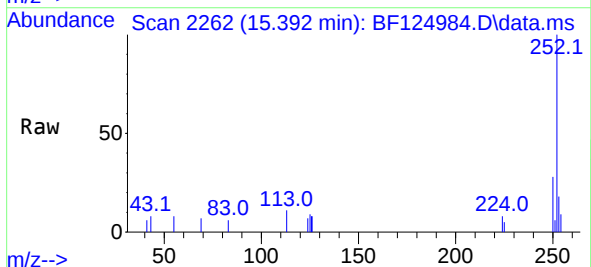
RT: 15.392 min Scan# 2262

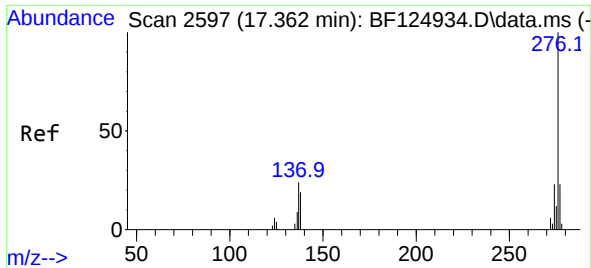
Delta R.T. 0.006 min

Lab File: BF124984.D

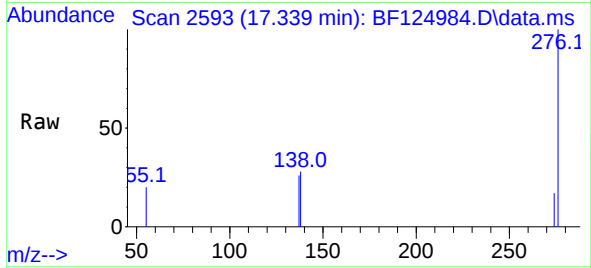
Acq: 7 Aug 2021 20:36

Tgt Ion:	252	Resp:	6245
Ion	Ratio	Lower	Upper
252	100		
253	18.0	18.4	27.6#
125	9.0	9.9	14.9#

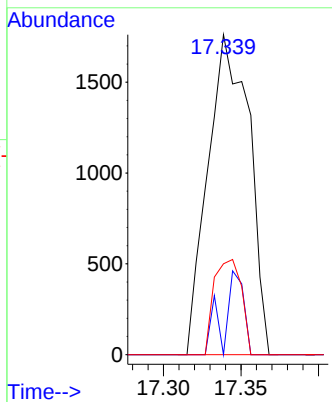
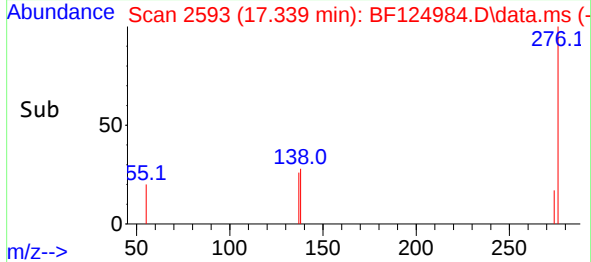




#92
 Benzo(g,h,i)perylene
 Concen: 5.402 ng
 RT: 17.339 min Scan# 2593
 Delta R.T. 0.000 min
 Lab File: BF124984.D
 Acq: 7 Aug 2021 20:36



Tgt Ion: 276 Resp: 3261
 Ion Ratio Lower Upper
 276 100
 277 0.0 22.0 33.0#
 138 28.4 22.2 33.4



Instrument :
 BNA_F
 ClientSampleId :
 44043RT

Manual Integrations
 APPROVED

mohammad
 8/10/2021 4:24:30 PM