

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072821\
 Data File : BF124845.D
 Acq On : 29 Jul 2021 00:49
 Operator : JU/CG
 Sample : M3204-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-072721

Manual Integrations
 APPROVED

mohammad
 7/29/2021 1:43:58 PM

Quant Time: Jul 29 02:12:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 22 15:28:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	6478	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	23232	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	11445	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	18137	20.000	ng	0.00
76) Chrysene-d12	14.039	240	12404	20.000	ng	# 0.00
86) Perylene-d12	15.515	264	8962	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	5982	15.635	ng	0.00
7) Phenol-d6	6.493	99	6947	14.484	ng	0.00
23) Nitrobenzene-d5	7.428	82	4459	11.423	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	1316	13.392	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	9386	12.045	ng	0.00
79) Terphenyl-d14	12.980	244	8764	12.111	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	2003	2.053	ng	# 91
75) Fluoranthene	12.610	202	5721	5.747	ng	96
78) Pyrene	12.839	202	5582	5.684	ng	98
81) Benzo(a)anthracene	14.027	228	3268m	4.031	ng	
83) Chrysene	14.063	228	2596	3.323	ng	97
88) Benzo(b)fluoranthene	15.080	252	2757m	4.369	ng	
89) Benzo(k)fluoranthene	15.110	252	1217m	2.111	ng	
90) Benzo(a)pyrene	15.451	252	1756	3.331	ng	# 75

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

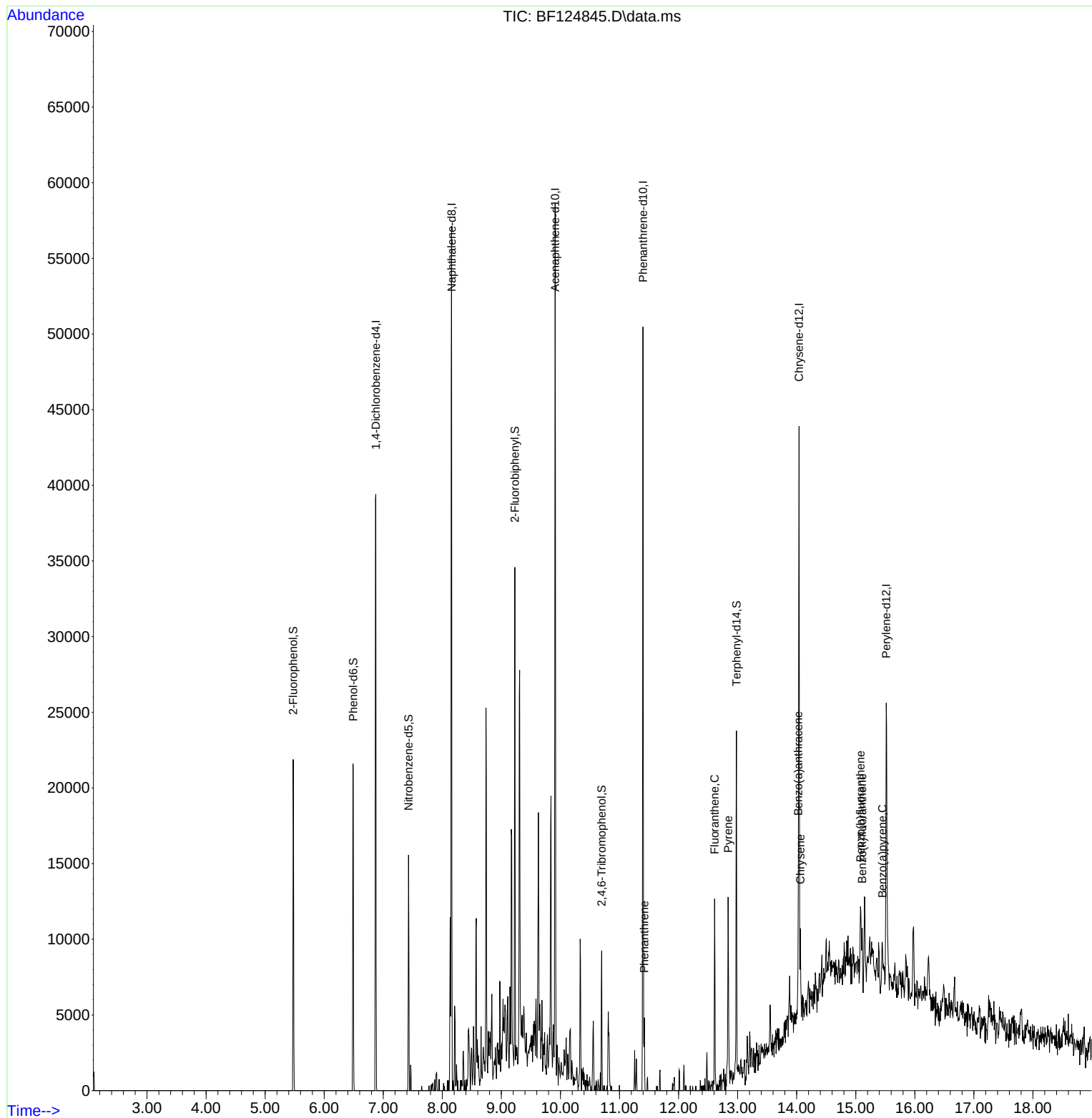
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072821\
Data File : BF124845.D
Acq On : 29 Jul 2021 00:49
Operator : JU/CG
Sample : M3204-03 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

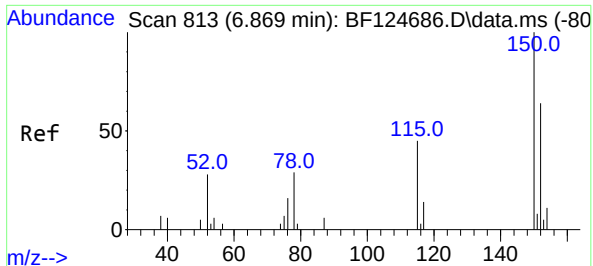
Instrument :
BNA_F
ClientSampled :
EO-03-072721

Manual Integrations
APPROVED

mohammad
7/29/2021 1:43:58 PM

Quant Time: Jul 29 02:12:43 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 15:28:57 2021
Response via : Initial Calibration





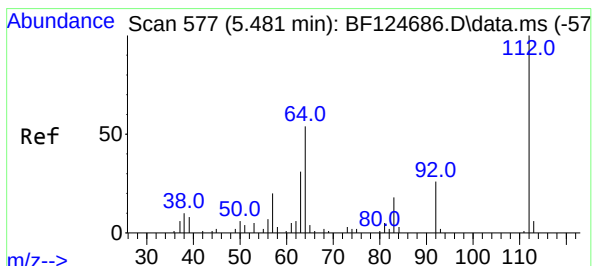
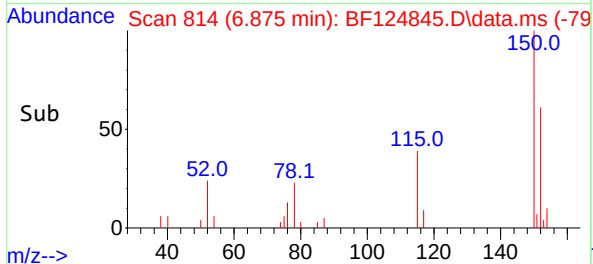
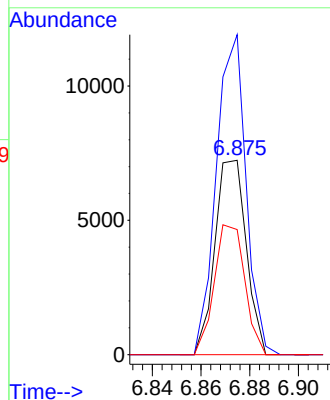
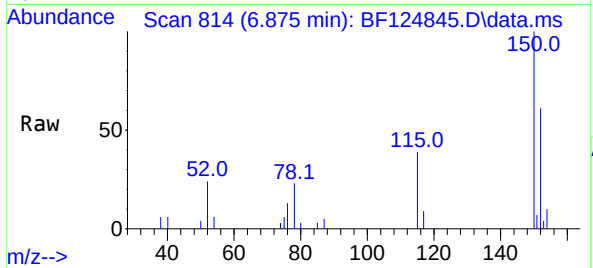
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. 0.006 min
Lab File: BF124845.D
Acq: 29 Jul 2021 00:49

Tgt Ion:152 Resp: 6478
Ion Ratio Lower Upper
152 100
150 164.6 117.6 176.4
115 64.4 47.1 70.7

Instrument :
BNA_F
ClientSampled :
EO-03-072721

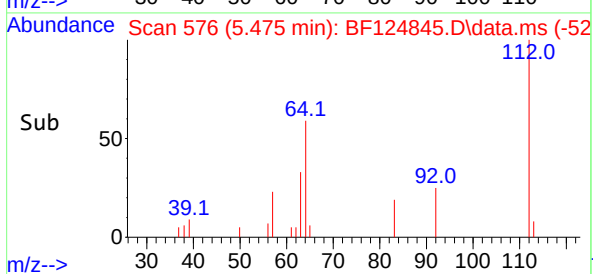
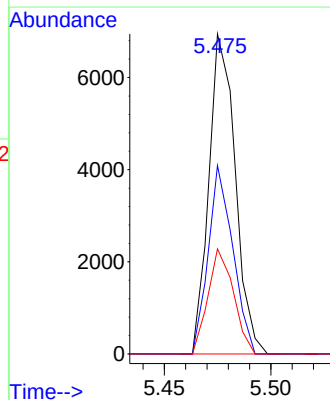
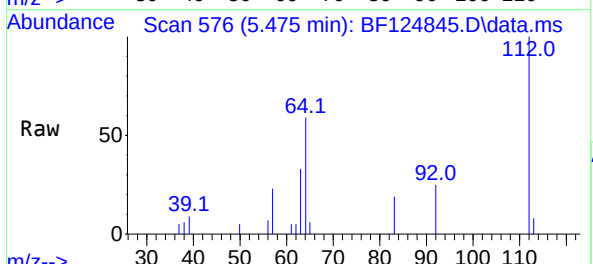
Manual Integrations
APPROVED

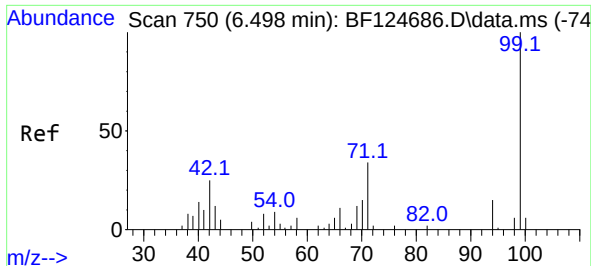
mohammad
7/29/2021 1:43:58 PM



#5
2-Fluorophenol
Concen: 15.635 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124845.D
Acq: 29 Jul 2021 00:49

Tgt Ion:112 Resp: 5982
Ion Ratio Lower Upper
112 100
64 58.9 44.2 66.2
63 32.9 26.2 39.2





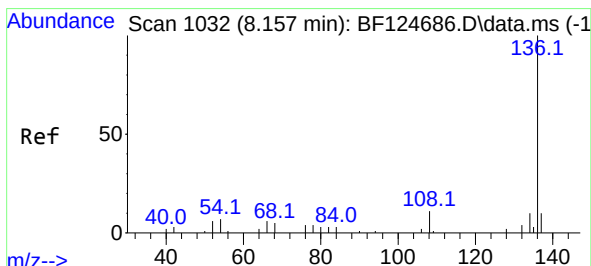
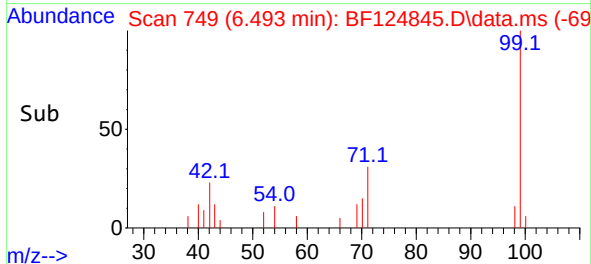
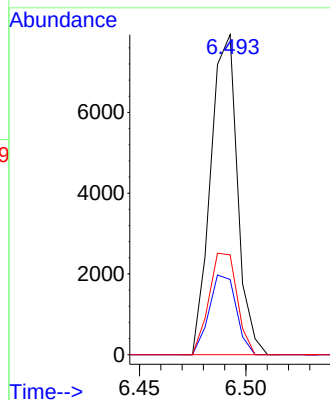
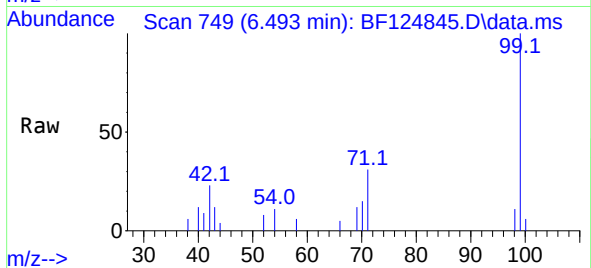
#7
Phenol-d6
Concen: 14.484 ng
RT: 6.493 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF124845.D
Acq: 29 Jul 2021 00:49

Tgt Ion: 99 Resp: 6947
Ion Ratio Lower Upper
99 100
42 23.5 23.5 35.3#
71 31.2 25.6 38.4

Instrument :
BNA_F
ClientSampled :
EO-03-072721

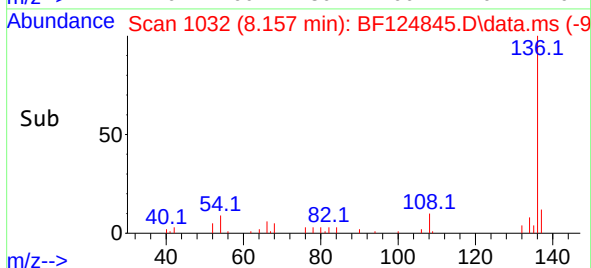
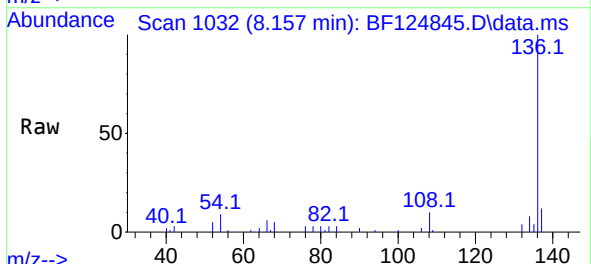
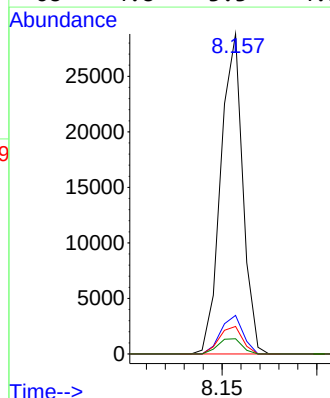
Manual Integrations
APPROVED

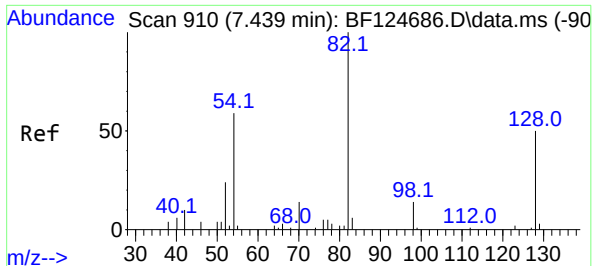
mohammad
7/29/2021 1:43:58 PM



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF124845.D
Acq: 29 Jul 2021 00:49

Tgt Ion: 136 Resp: 23232
Ion Ratio Lower Upper
136 100
137 12.1 9.8 14.6
54 8.6 6.4 9.6
68 4.8 3.3 4.9





#23

Nitrobenzene-d5

Concen: 11.423 ng

RT: 7.428 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF124845.D

Acq: 29 Jul 2021 00:49

Tgt Ion: 82	Resp: 4459
Ion Ratio	Lower Upper
82 100	
128 46.2	40.6 60.8
54 57.1	49.6 74.4

Instrument :

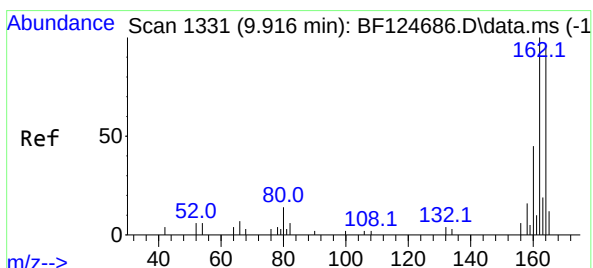
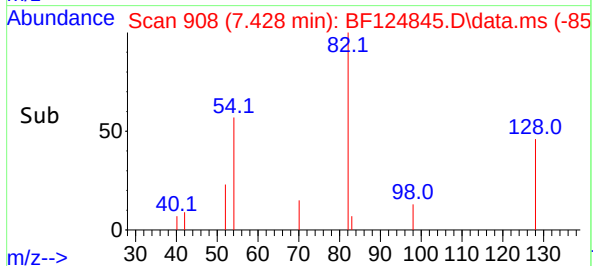
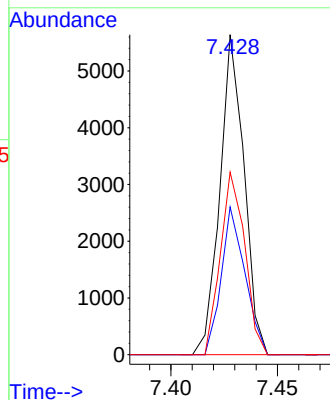
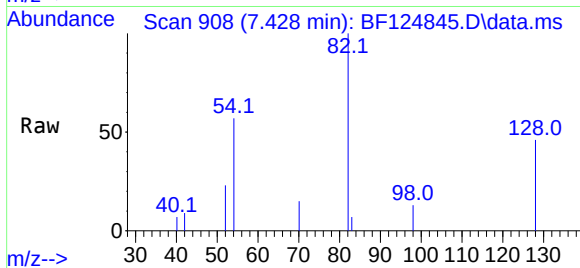
BNA_F

ClientSampleId :

EO-03-072721

Manual Integrations
APPROVED

mohammad
7/29/2021 1:43:58 PM



#39

Acenaphthene-d10

Concen: 20.000 ng

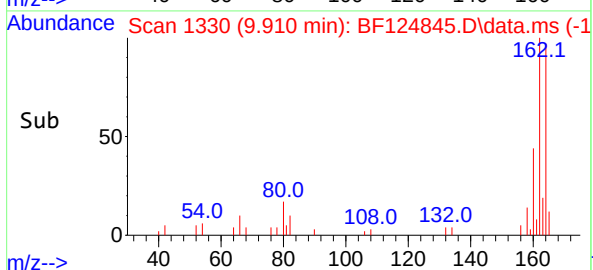
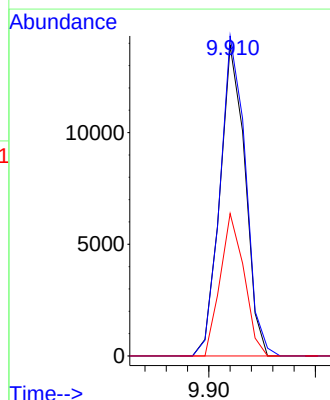
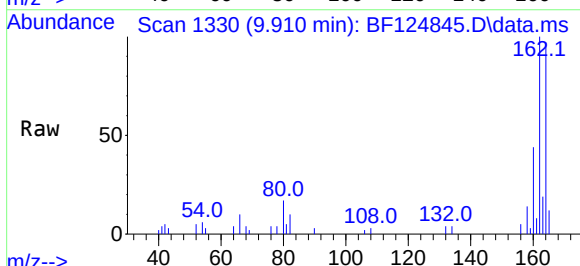
RT: 9.910 min Scan# 1330

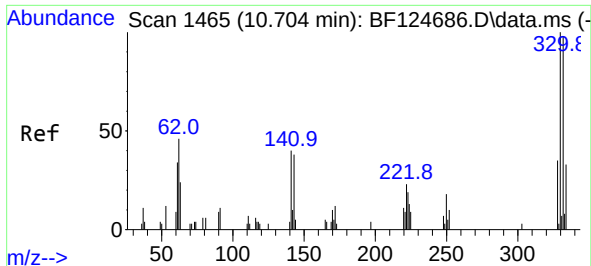
Delta R.T. -0.006 min

Lab File: BF124845.D

Acq: 29 Jul 2021 00:49

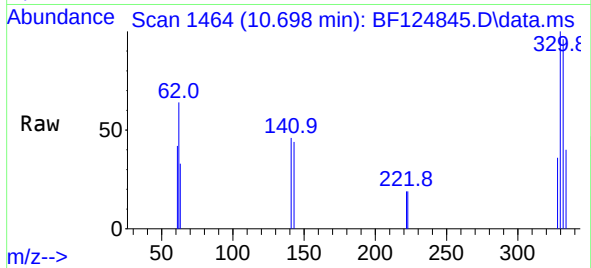
Tgt Ion: 164	Resp: 11445
Ion Ratio	Lower Upper
164 100	
162 103.0	81.3 121.9
160 45.8	38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 13.392 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF124845.D
Acq: 29 Jul 2021 00:49

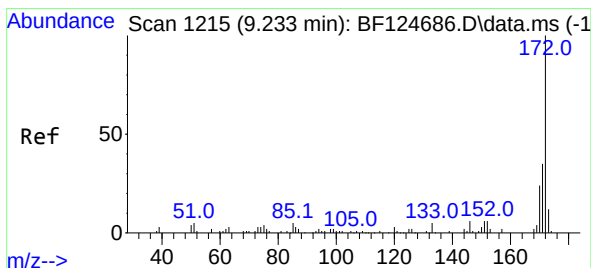
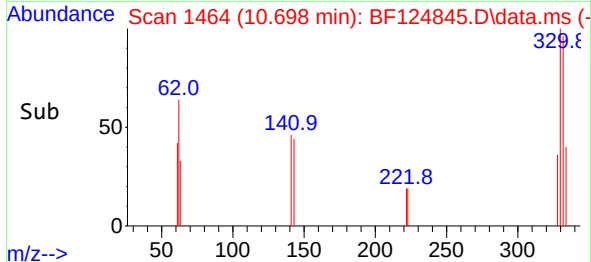
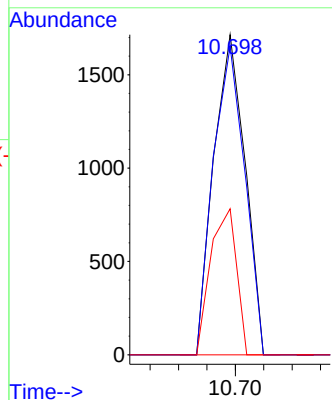
Instrument :
BNA_F
ClientSampled :
EO-03-072721



Tgt Ion: 330 Resp: 1316
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 37.6 44.6 66.8#

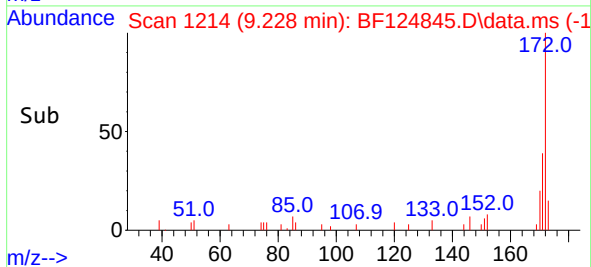
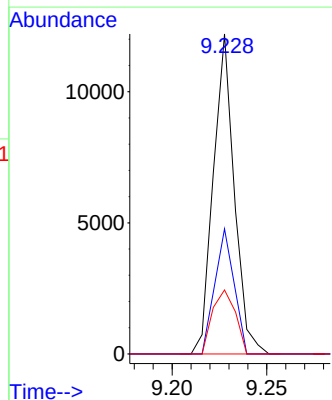
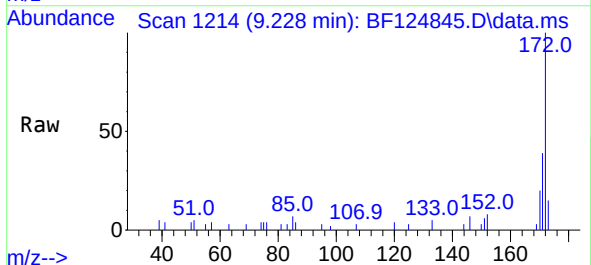
Manual Integrations
APPROVED

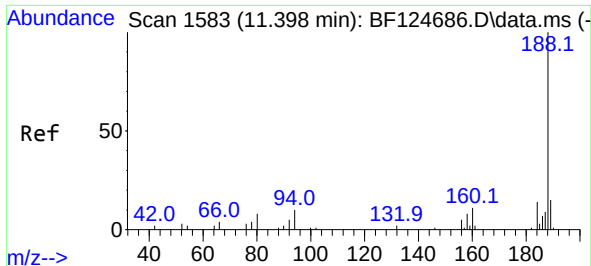
mohammad
7/29/2021 1:43:58 PM



#45
2-Fluorobiphenyl
Concen: 12.045 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF124845.D
Acq: 29 Jul 2021 00:49

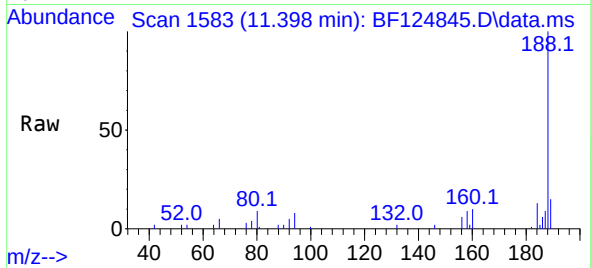
Tgt Ion: 172 Resp: 9386
Ion Ratio Lower Upper
172 100
171 39.1 26.5 39.7
170 20.0 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF124845.D
Acq: 29 Jul 2021 00:49

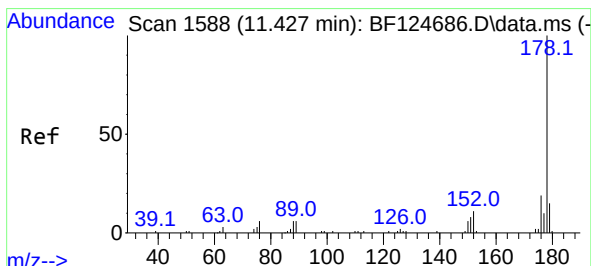
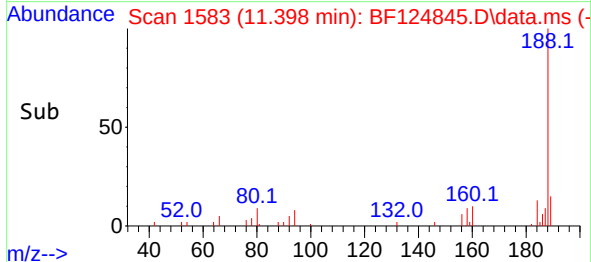
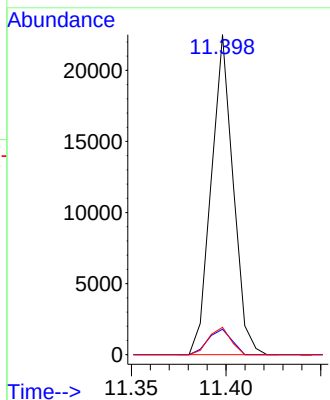
Instrument :
BNA_F
ClientSampleId :
EO-03-072721



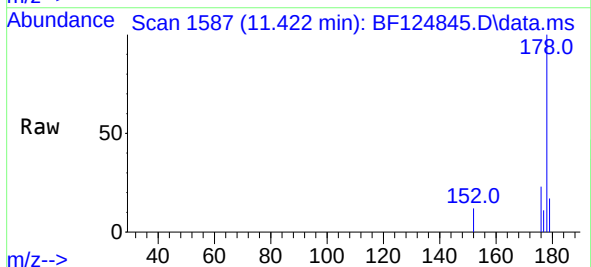
Tgt Ion:188 Resp: 18137
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.6 7.5 11.3

Manual Integrations
APPROVED

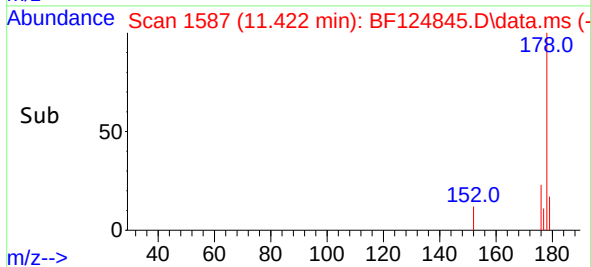
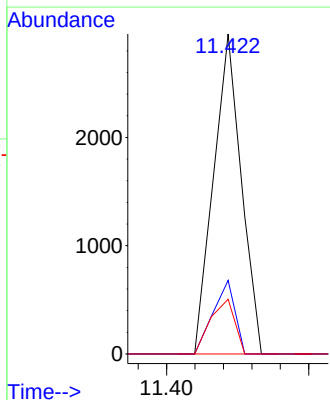
mohammad
7/29/2021 1:43:58 PM

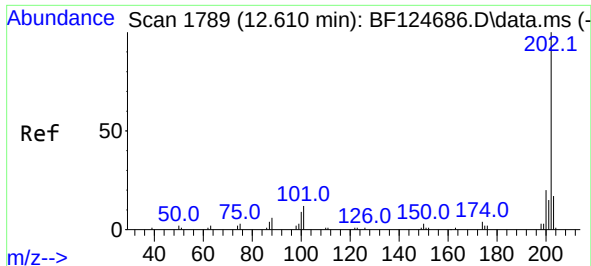


#71
Phenanthrene
Concen: 2.053 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF124845.D
Acq: 29 Jul 2021 00:49



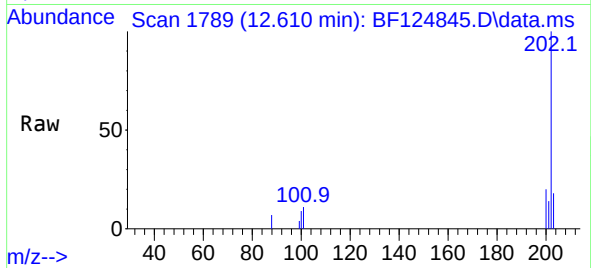
Tgt Ion:178 Resp: 2003
Ion Ratio Lower Upper
178 100
176 23.0 14.7 22.1#
179 17.1 11.5 17.3





#75
Fluoranthene
Concen: 5.747 ng
RT: 12.610 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF124845.D
Acq: 29 Jul 2021 00:49

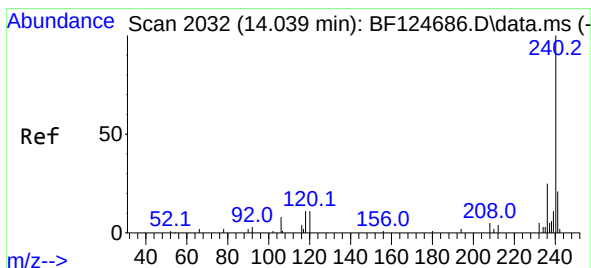
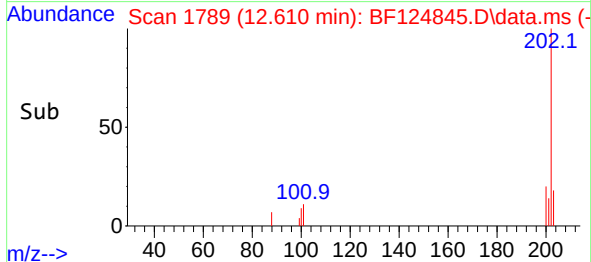
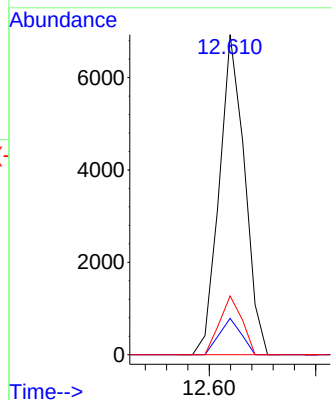
Instrument :
BNA_F
ClientSampleId :
EO-03-072721



Tgt Ion:202 Resp: 5721
Ion Ratio Lower Upper
202 100
101 11.4 0.0 30.7
203 18.4 0.0 36.3

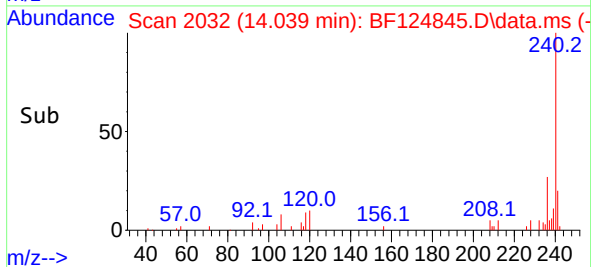
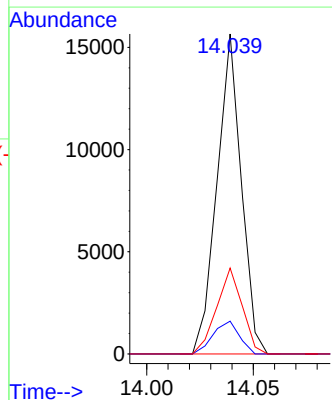
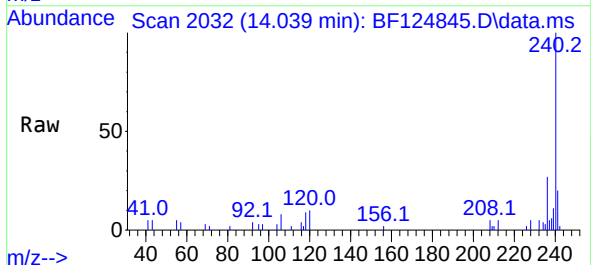
Manual Integrations
APPROVED

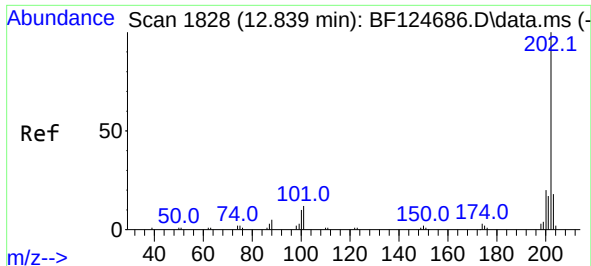
mohammad
7/29/2021 1:43:58 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF124845.D
Acq: 29 Jul 2021 00:49

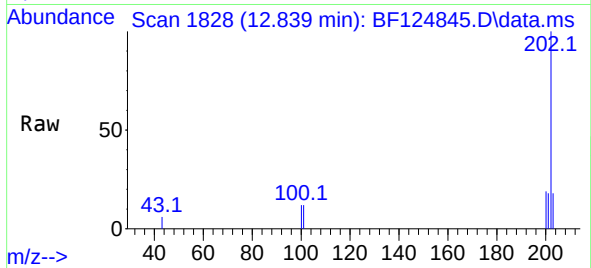
Tgt Ion:240 Resp: 12404
Ion Ratio Lower Upper
240 100
120 10.3 10.8 16.2#
236 26.8 21.6 32.4





#78
Pyrene
Concen: 5.684 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF124845.D
Acq: 29 Jul 2021 00:49

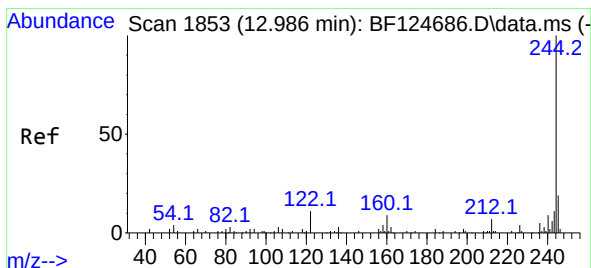
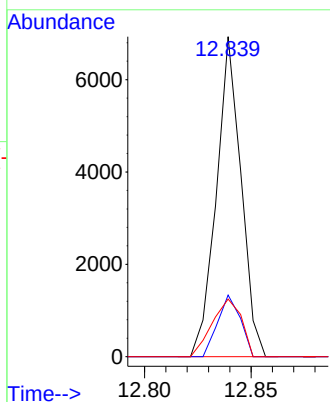
Instrument :
BNA_F
ClientSampleId :
EO-03-072721



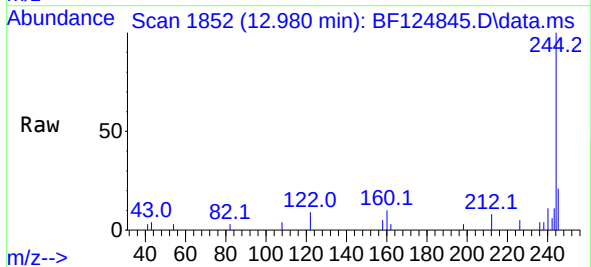
Tgt Ion:	202	Resp:	5582
Ion	Ratio	Lower	Upper
202	100		
200	19.2	15.3	22.9
203	18.0	13.4	20.0

Manual Integrations
APPROVED

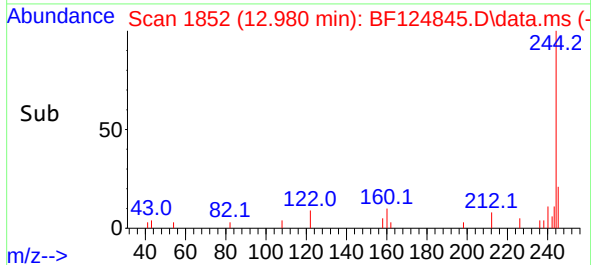
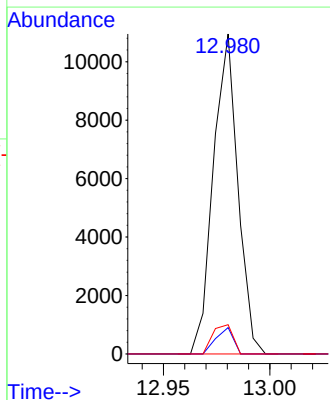
mohammad
7/29/2021 1:43:58 PM

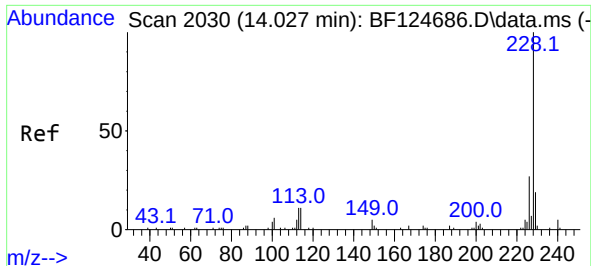


#79
Terphenyl-d14
Concen: 12.111 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BF124845.D
Acq: 29 Jul 2021 00:49



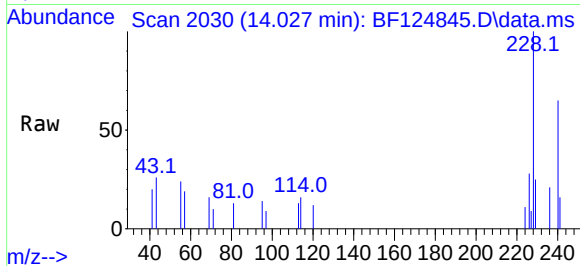
Tgt Ion:	244	Resp:	8764
Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.9	8.9
122	9.1	9.0	13.4





#81
Benzo(a)anthracene
Concen: 4.031 ng m
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF124845.D
Acq: 29 Jul 2021 00:49

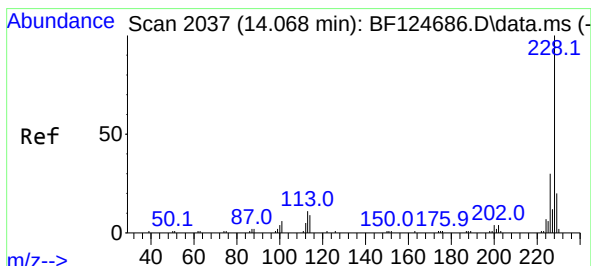
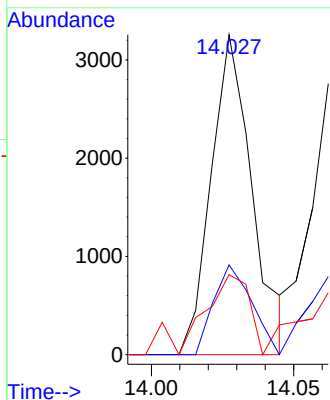
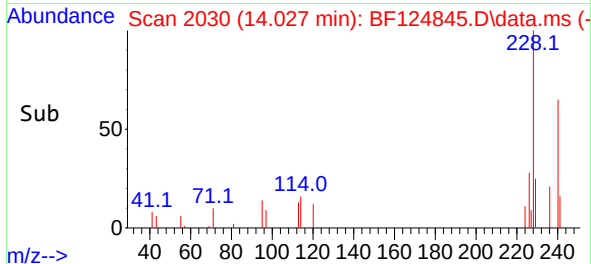
Instrument :
BNA_F
ClientSampled :
EO-03-072721



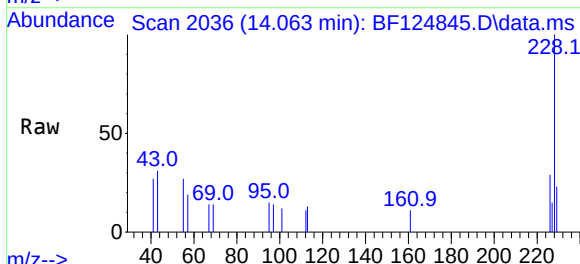
Tgt Ion:228 Resp: 3268
Ion Ratio Lower Upper
228 100
226 28.0 21.6 32.4
229 25.0 15.6 23.4#

Manual Integrations
APPROVED

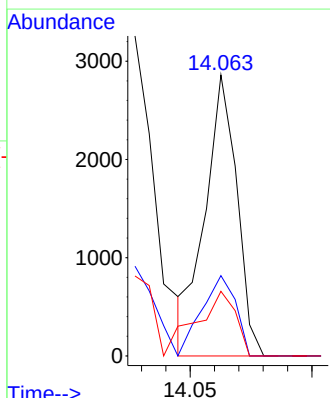
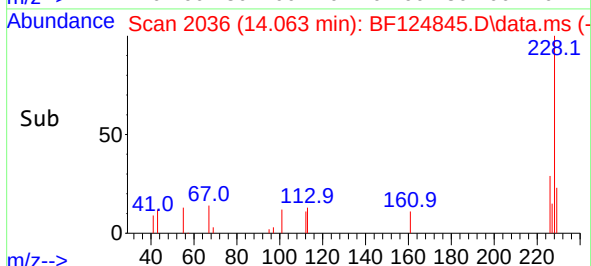
mohammad
7/29/2021 1:43:58 PM

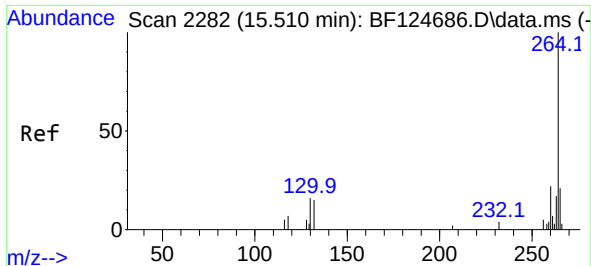


#83
Chrysene
Concen: 3.323 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF124845.D
Acq: 29 Jul 2021 00:49

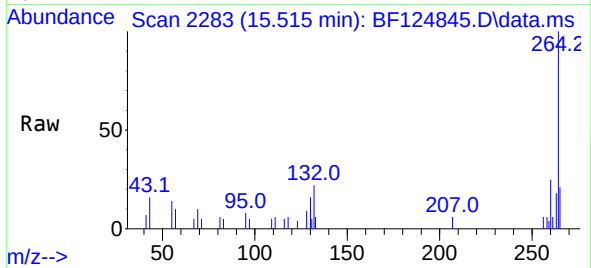


Tgt Ion:228 Resp: 2596
Ion Ratio Lower Upper
228 100
226 28.6 22.6 34.0
229 23.0 15.9 23.9

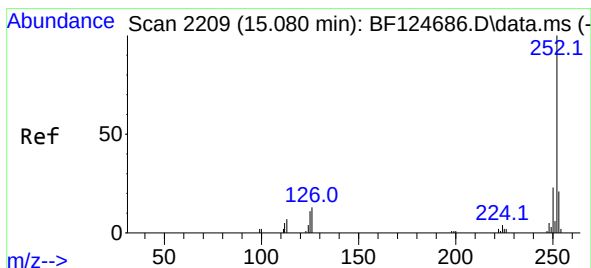
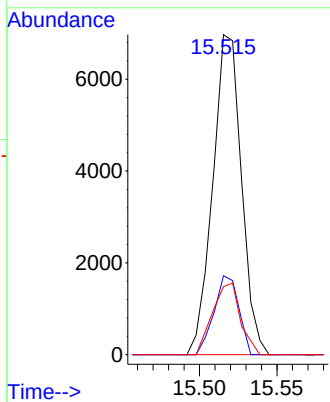
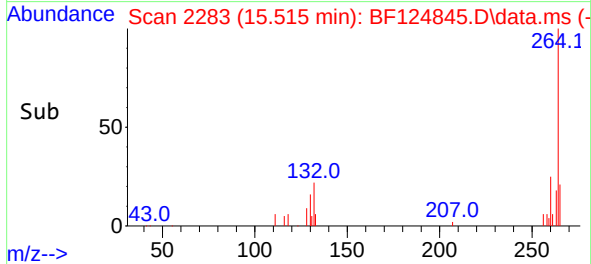




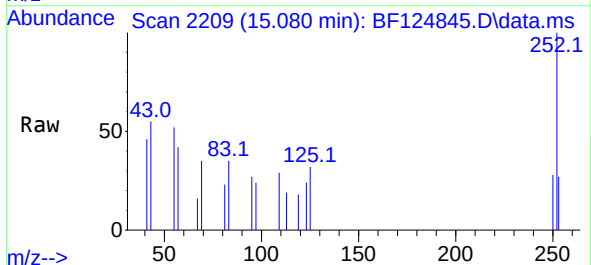
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BF124845.D
Acq: 29 Jul 2021 00:49



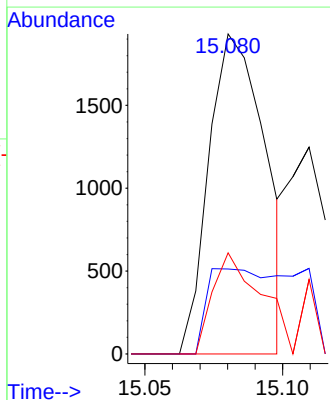
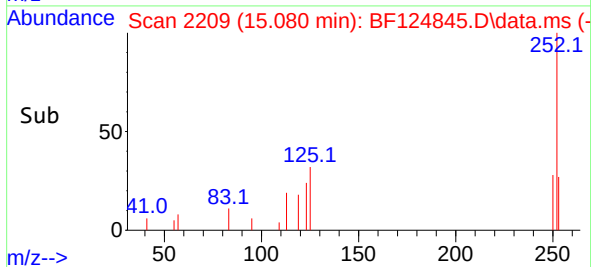
Tgt Ion:264 Resp: 8962
Ion Ratio Lower Upper
264 100
260 24.6 19.6 29.4
265 21.3 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 4.369 ng m
RT: 15.080 min Scan# 2209
Delta R.T. 0.000 min
Lab File: BF124845.D
Acq: 29 Jul 2021 00:49



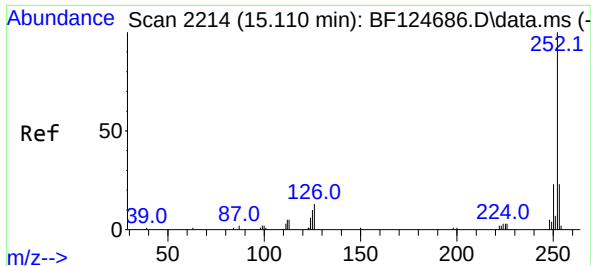
Tgt Ion:252 Resp: 2757
Ion Ratio Lower Upper
252 100
253 26.6 16.8 25.2#
125 31.6 9.8 14.8#



Instrument :
BNA_F
ClientSampleId :
EO-03-072721

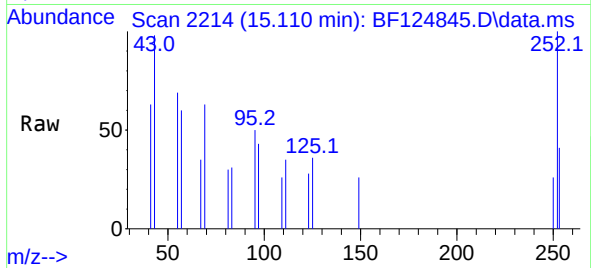
Manual Integrations
APPROVED

mohammad
7/29/2021 1:43:58 PM



#89
Benzo(k)fluoranthene
Concen: 2.111 ng m
RT: 15.110 min Scan# 2214
Delta R.T. 0.000 min
Lab File: BF124845.D
Acq: 29 Jul 2021 00:49

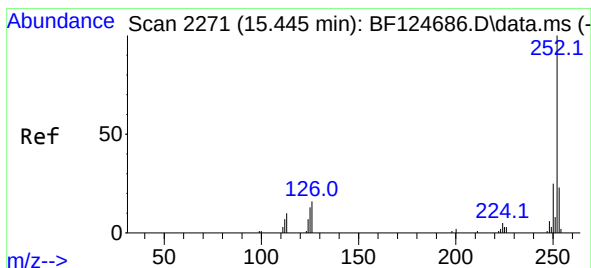
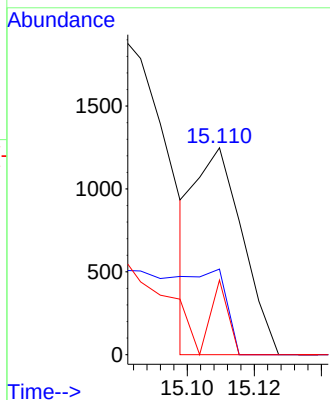
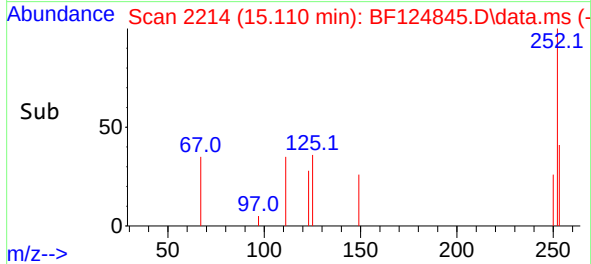
Instrument :
BNA_F
ClientSampled :
EO-03-072721



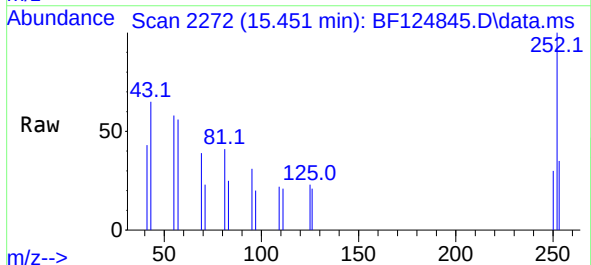
Tgt Ion:252 Resp: 1217
Ion Ratio Lower Upper
252 100
253 41.4 17.8 26.8#
125 36.1 7.2 10.8#

Manual Integrations
APPROVED

mohammad
7/29/2021 1:43:58 PM



#90
Benzo(a)pyrene
Concen: 3.331 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF124845.D
Acq: 29 Jul 2021 00:49



Tgt Ion:252 Resp: 1756
Ion Ratio Lower Upper
252 100
253 34.7 18.4 27.6#
125 23.3 9.9 14.9#

