

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
 Data File : BF124254.D
 Acq On : 11 Jun 2021 2:49
 Operator : JU/CG
 Sample : M2661-01 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-060921

Manual Integrations
 APPROVED

mohammad
 6/11/2021 2:11:20 PM

Quant Time: Jun 11 06:10:14 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 10 01:53:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	35289	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	130901	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	64561	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	96164	20.000	ng	0.00
76) Chrysene-d12	14.021	240	96742	20.000	ng	0.00
86) Perylene-d12	15.504	264	55682	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	16597	7.080	ng	0.00
7) Phenol-d6	6.492	99	21158	6.715	ng	0.00
23) Nitrobenzene-d5	7.404	82	16179	4.902	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	4198	4.590	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	27054	5.273	ng	0.00
79) Terphenyl-d14	12.957	244	25105	3.563	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.151	128	16344	2.088	ng	98
71) Phenanthrene	11.398	178	27805	4.629	ng	97
75) Fluoranthene	12.592	202	38175	6.054	ng	97
78) Pyrene	12.822	202	35515	3.823	ng	99
81) Benzo(a)anthracene	14.010	228	18132	2.573	ng	98
83) Chrysene	14.045	228	13634m	2.005	ng	
87) Indeno(1,2,3-cd)pyrene	16.992	276	6332	5.578	ng	# 60
88) Benzo(b)fluoranthene	15.068	252	12795	2.958	ng	# 61
90) Benzo(a)pyrene	15.439	252	8190	2.180	ng	# 80
92) Benzo(g,h,i)perylene	17.439	276	5774	5.169	ng	# 63

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

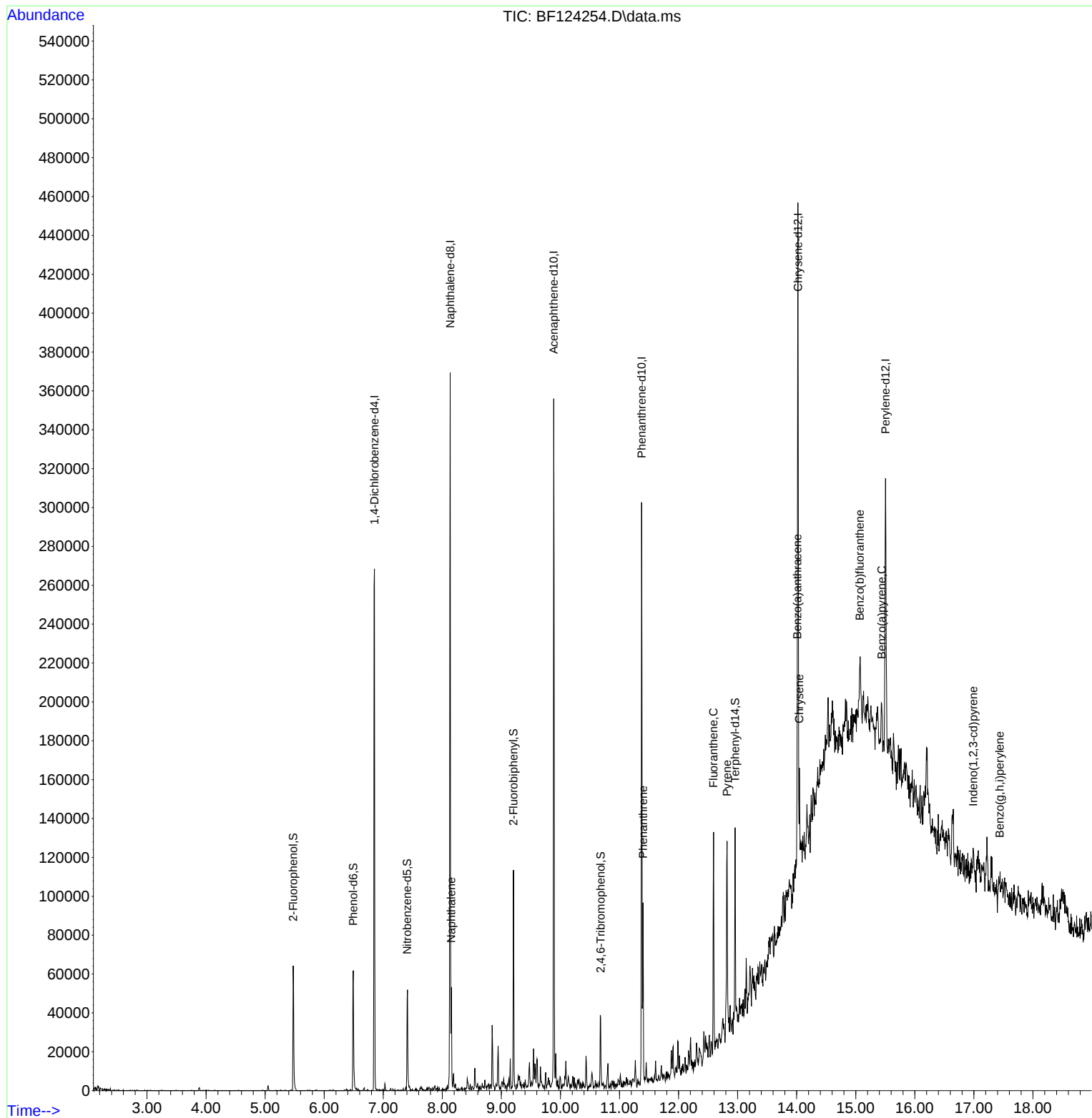
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
Data File : BF124254.D
Acq On : 11 Jun 2021 2:49
Operator : JU/CG
Sample : M2661-01 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

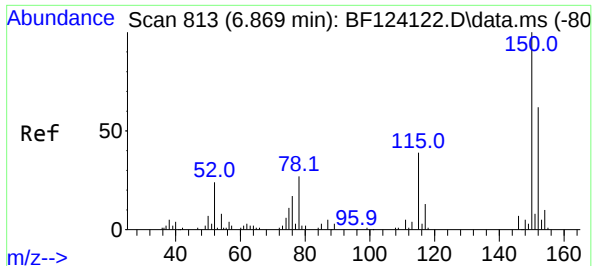
Instrument :
BNA_F
ClientSampleId :
OK-01-060921

Manual Integrations
APPROVED

mohammad
6/11/2021 2:11:20 PM

Quant Time: Jun 11 06:10:14 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 10 01:53:56 2021
Response via : Initial Calibration





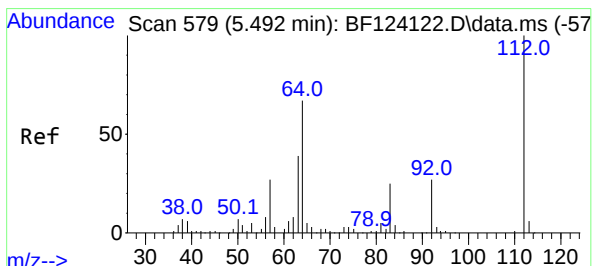
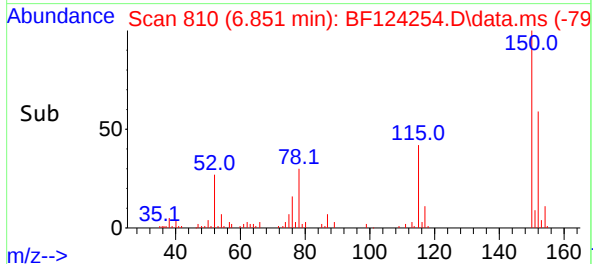
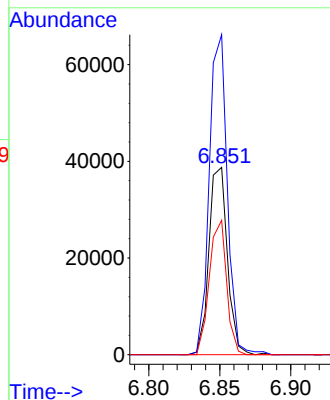
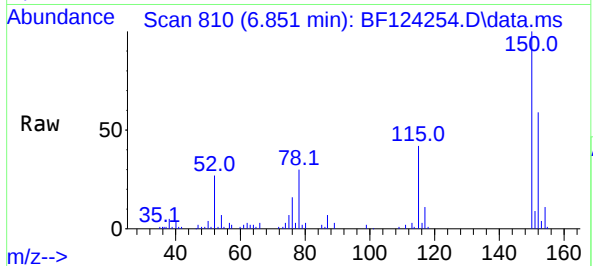
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:152 Resp: 35289
Ion Ratio Lower Upper
152 100
150 170.8 127.0 190.6
115 71.7 54.3 81.5

Instrument :
BNA_F
ClientSampled :
OK-01-060921

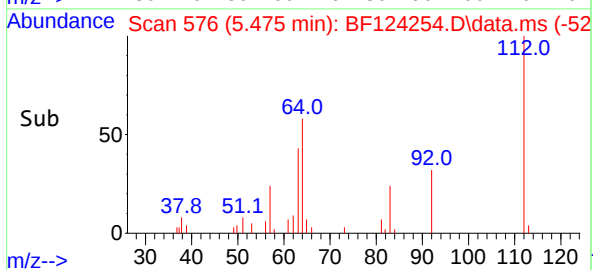
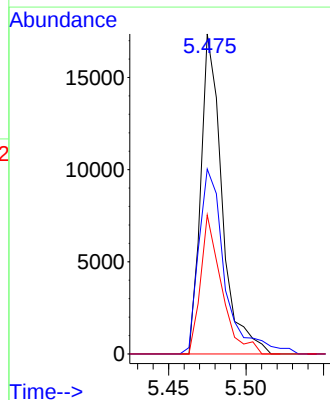
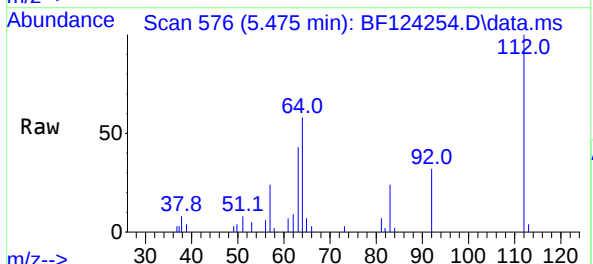
Manual Integrations
APPROVED

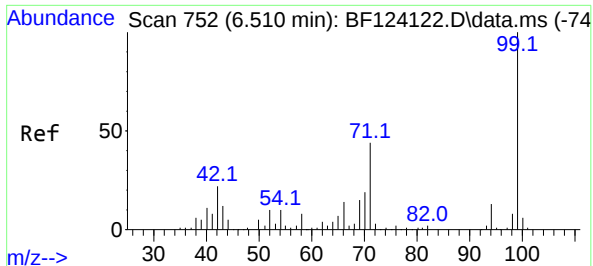
mohammad
6/11/2021 2:11:20 PM



#5
2-Fluorophenol
Concen: 7.080 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:112 Resp: 16597
Ion Ratio Lower Upper
112 100
64 57.8 61.4 92.0#
63 43.4 33.0 49.4





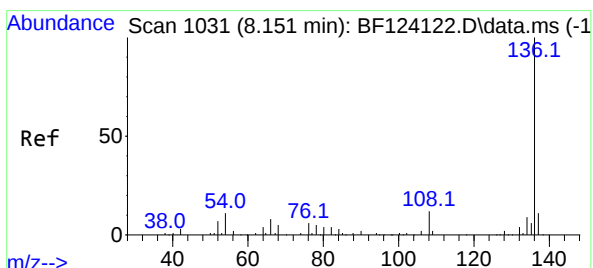
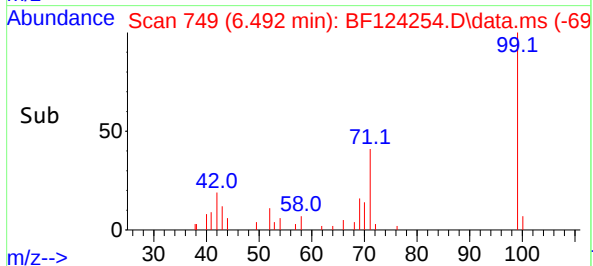
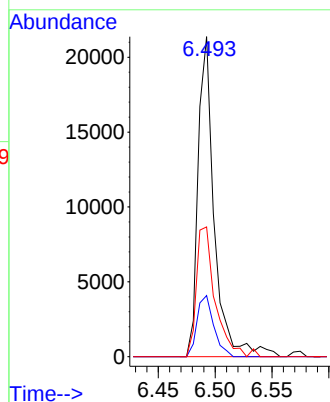
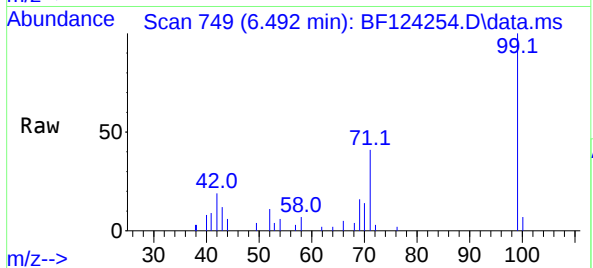
#7
Phenol-d6
Concen: 6.715 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion: 99 Resp: 21158
Ion Ratio Lower Upper
99 100
42 19.1 19.8 29.8#
71 40.5 31.1 46.7

Instrument :
BNA_F
ClientSampleId :
OK-01-060921

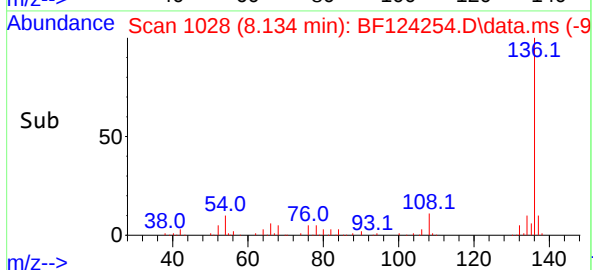
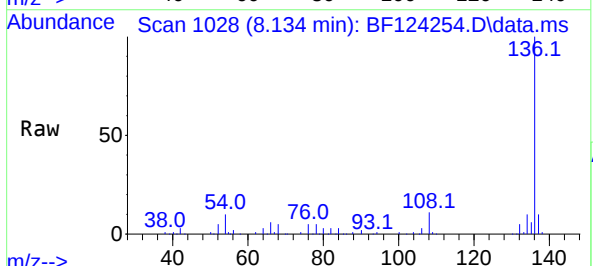
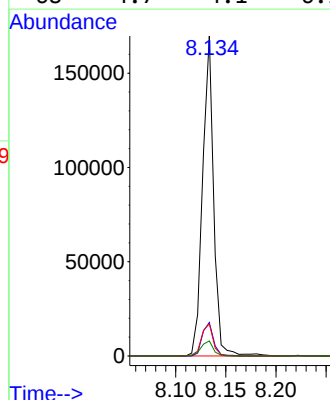
Manual Integrations
APPROVED

mohammad
6/11/2021 2:11:20 PM



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. 0.000 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion: 136 Resp: 130901
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 10.0 9.8 14.6
68 4.7 4.1 6.1





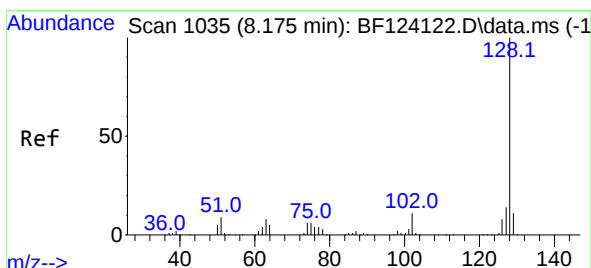
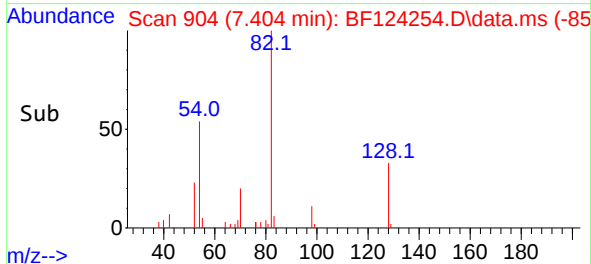
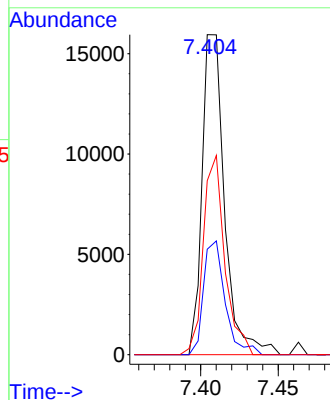
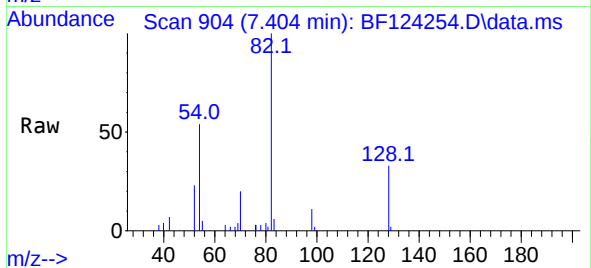
#23
Nitrobenzene-d5
Concen: 4.902 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:	82	Resp:	16179
Ion	Ratio	Lower	Upper
82	100		
128	32.9	29.4	44.2
54	54.4	54.1	81.1

Instrument :
BNA_F
ClientSampleId :
OK-01-060921

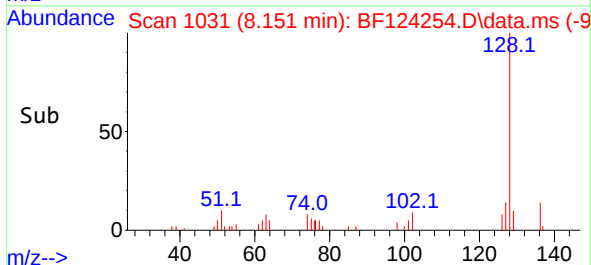
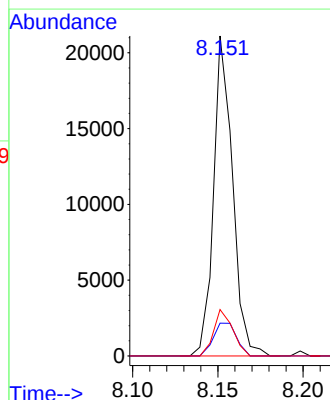
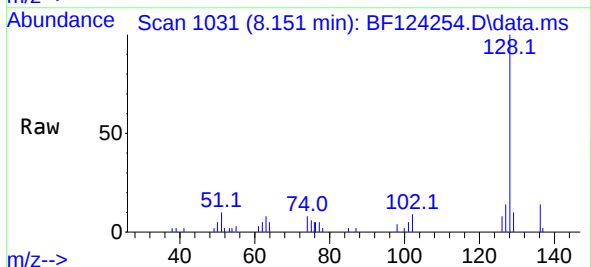
Manual Integrations
APPROVED

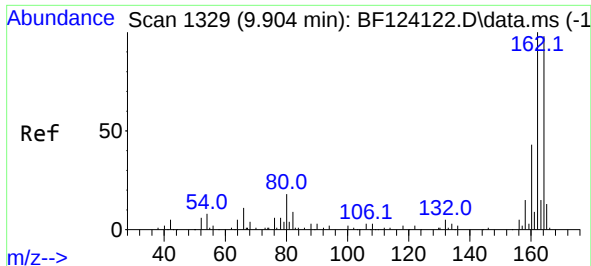
mohammad
6/11/2021 2:11:20 PM



#31
Naphthalene
Concen: 2.088 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

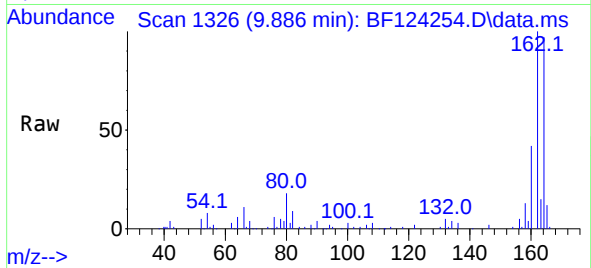
Tgt Ion:	128	Resp:	16344
Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.9	13.3
127	14.5	10.8	16.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

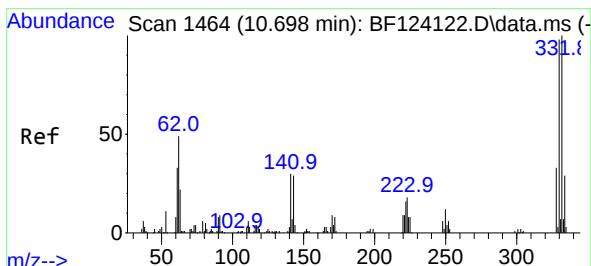
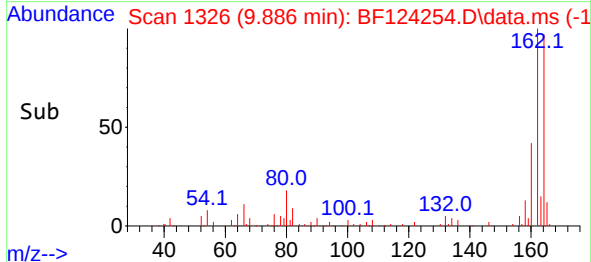
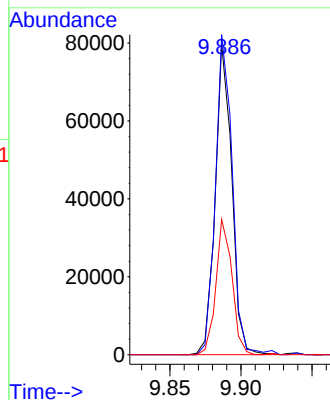
Instrument :
BNA_F
ClientSampleId :
OK-01-060921



Tgt Ion:164 Resp: 64561
Ion Ratio Lower Upper
164 100
162 102.9 80.7 121.1
160 43.5 37.3 55.9

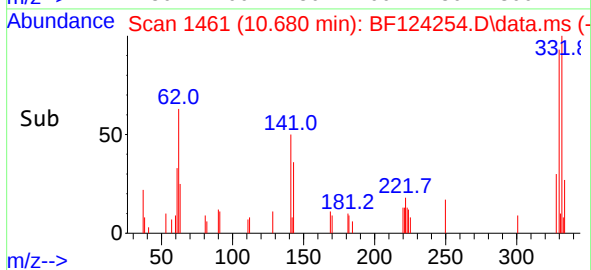
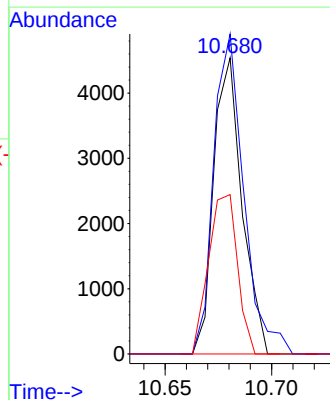
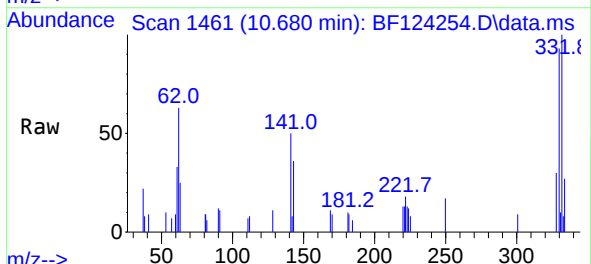
Manual Integrations
APPROVED

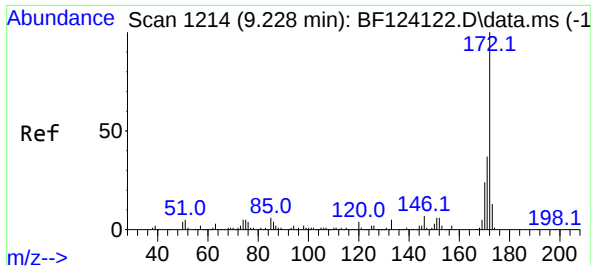
mohammad
6/11/2021 2:11:20 PM



#42
2,4,6-Tribromophenol
Concen: 4.590 ng
RT: 10.680 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:330 Resp: 4198
Ion Ratio Lower Upper
330 100
332 115.0 77.1 115.7
141 55.0 27.9 41.9#





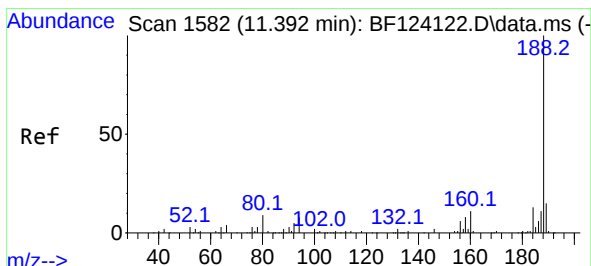
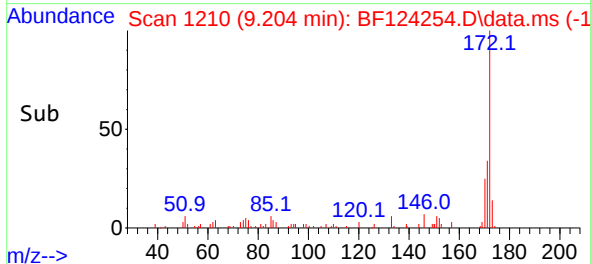
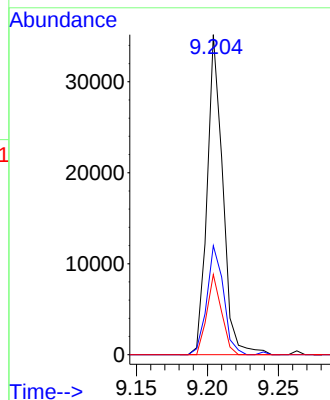
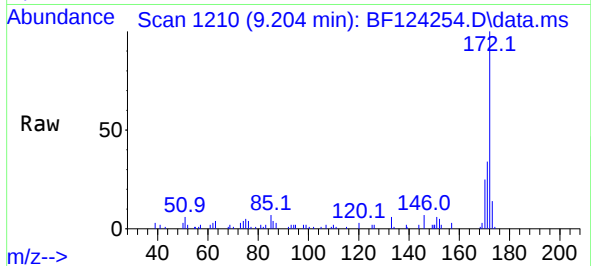
#45
2-Fluorobiphenyl
Concen: 5.273 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:	172	Resp:	27054
Ion Ratio	Lower	Upper	
172	100		
171	34.1	28.1	42.1
170	25.1	19.2	28.8

Instrument :
BNA_F
ClientSampleId :
OK-01-060921

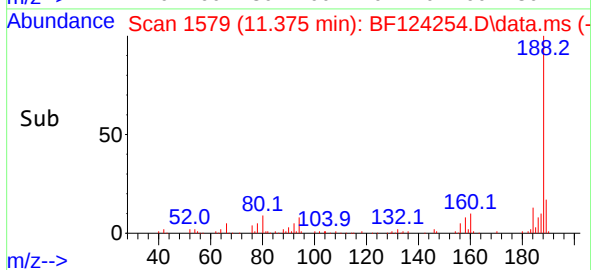
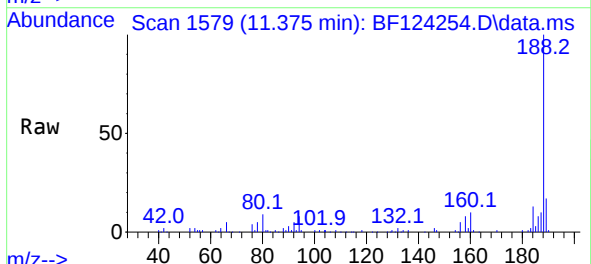
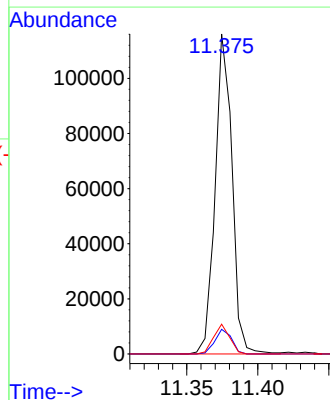
Manual Integrations
APPROVED

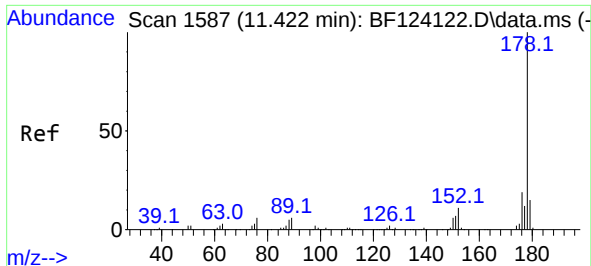
mohammad
6/11/2021 2:11:20 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

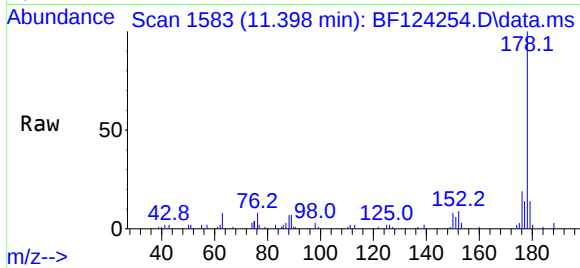
Tgt Ion:	188	Resp:	96164
Ion Ratio	Lower	Upper	
188	100		
94	7.7	6.9	10.3
80	9.3	8.2	12.2





#71
Phenanthrene
Concen: 4.629 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

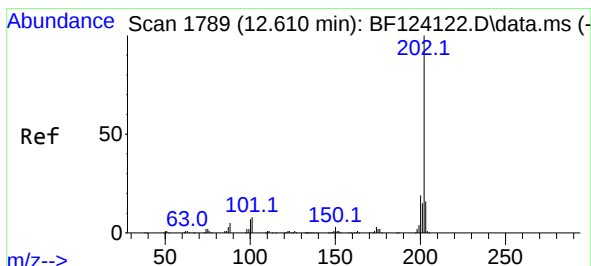
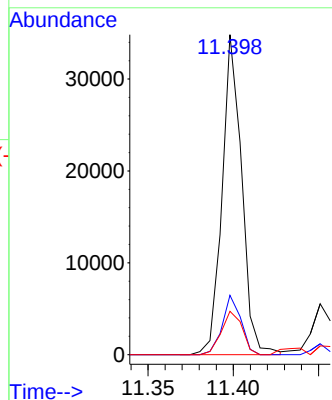
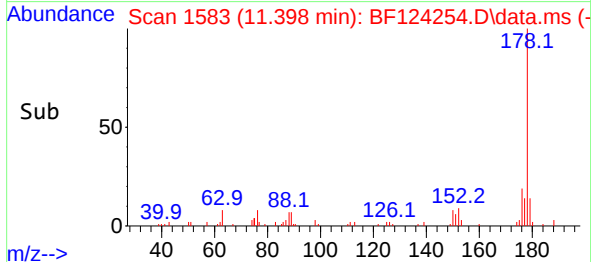
Instrument :
BNA_F
ClientSampleId :
OK-01-060921



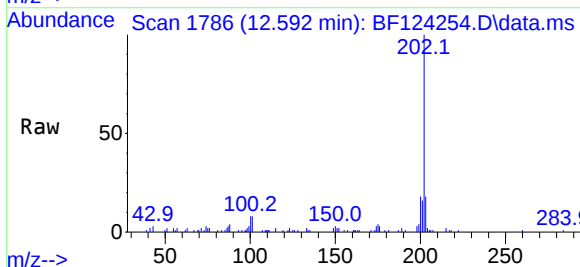
Tgt Ion:178 Resp: 27805
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 13.5 12.5 18.7

Manual Integrations
APPROVED

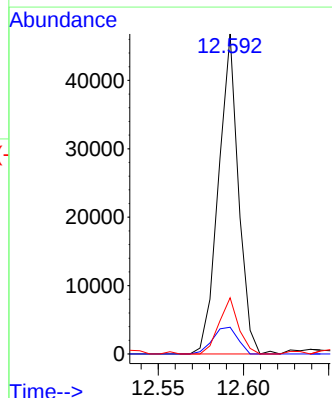
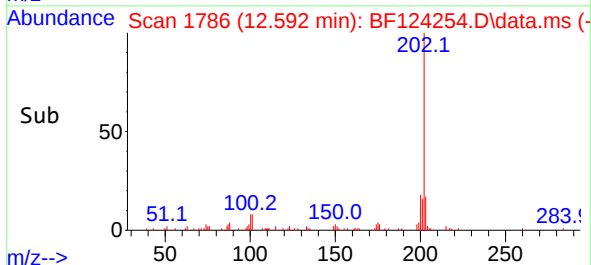
mohammad
6/11/2021 2:11:20 PM

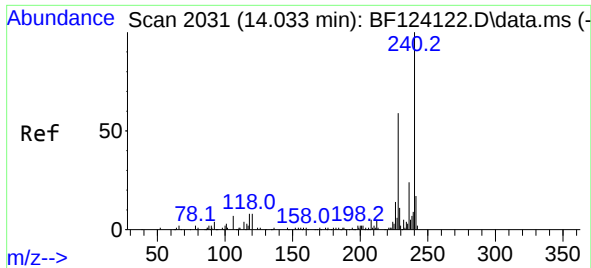


#75
Fluoranthene
Concen: 6.054 ng
RT: 12.592 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49



Tgt Ion:202 Resp: 38175
Ion Ratio Lower Upper
202 100
101 8.4 0.0 30.9
203 17.6 0.0 37.5





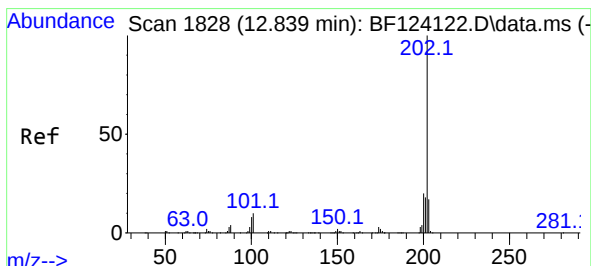
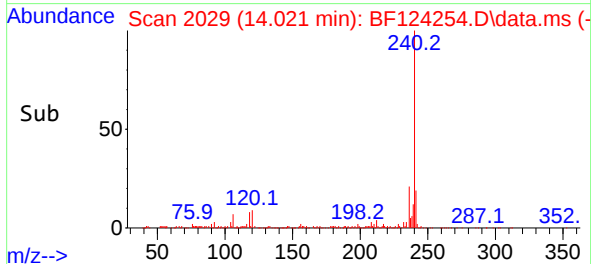
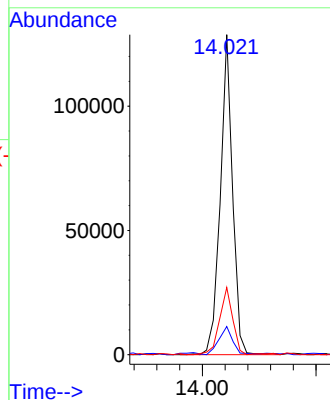
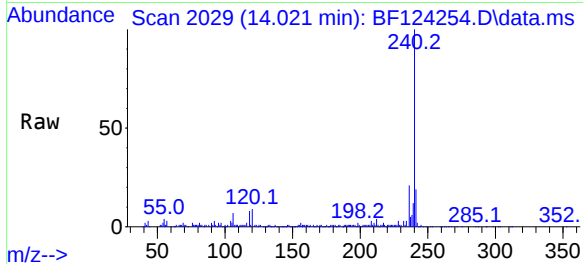
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:	240	Resp:	96742
Ion Ratio	Lower	Upper	
240	100		
120	8.8	7.2	10.8
236	21.0	19.0	28.4

Instrument :
BNA_F
ClientSampleId :
OK-01-060921

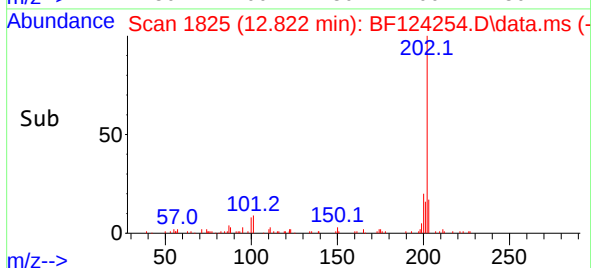
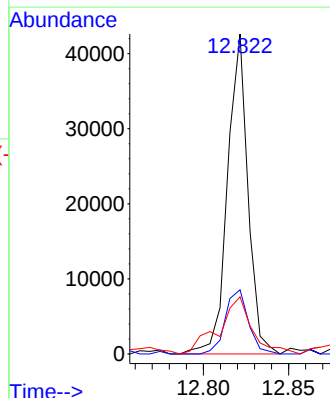
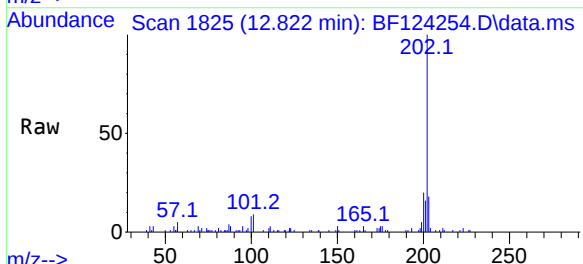
Manual Integrations
APPROVED

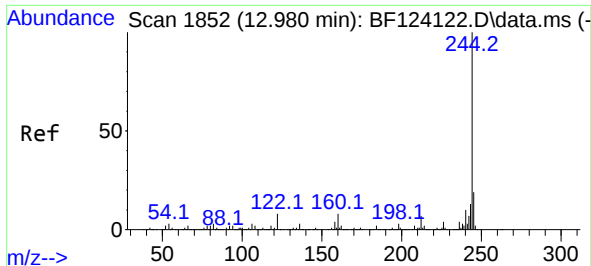
mohammad
6/11/2021 2:11:20 PM



#78
Pyrene
Concen: 3.823 ng
RT: 12.822 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:	202	Resp:	35515
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.1	24.1
203	17.9	14.8	22.2





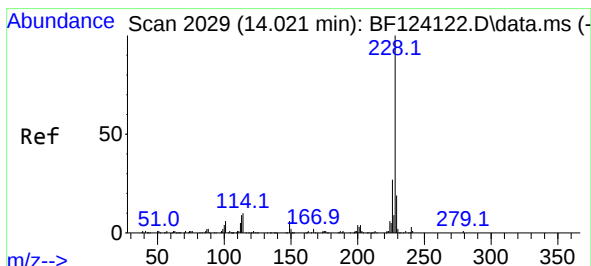
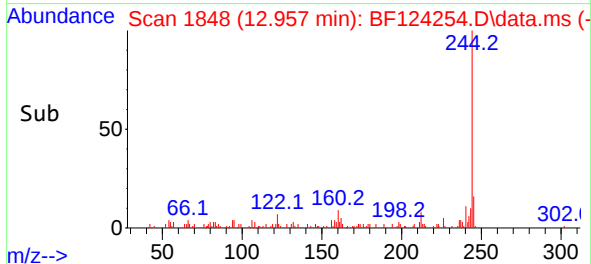
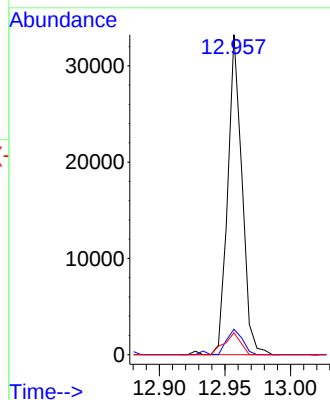
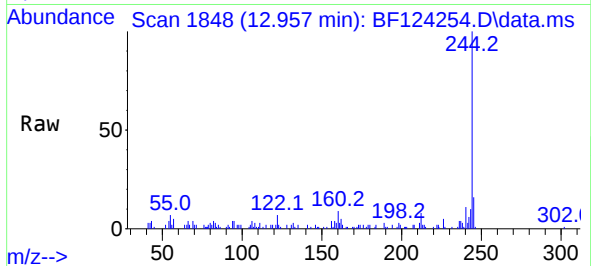
#79
Terphenyl-d14
Concen: 3.563 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:244 Resp: 25105
Ion Ratio Lower Upper
244 100
212 7.9 5.7 8.5
122 6.9 9.7 14.5#

Instrument :
BNA_F
ClientSampleId :
OK-01-060921

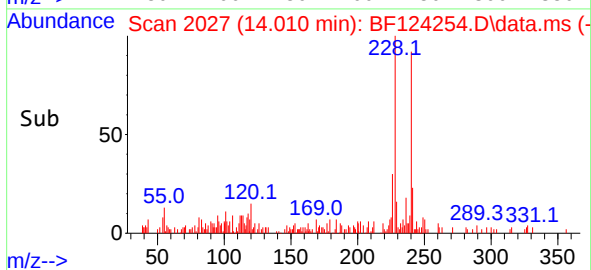
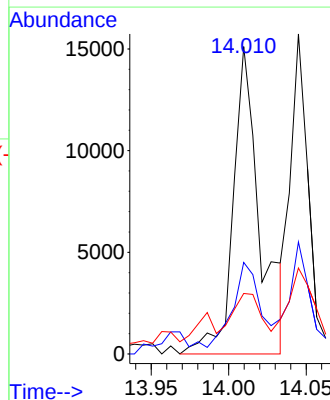
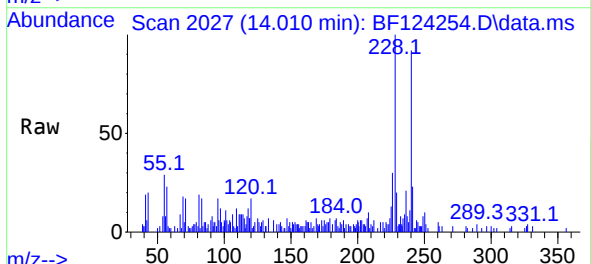
Manual Integrations
APPROVED

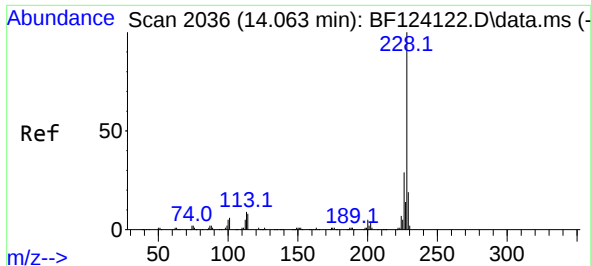
mohammad
6/11/2021 2:11:20 PM



#81
Benzo(a)anthracene
Concen: 2.573 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:228 Resp: 18132
Ion Ratio Lower Upper
228 100
226 29.8 22.4 33.6
229 19.7 16.0 24.0





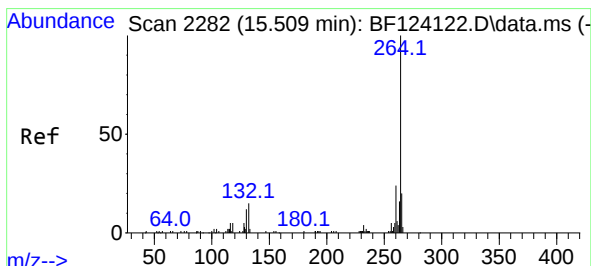
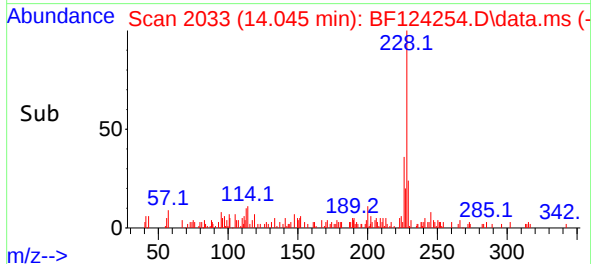
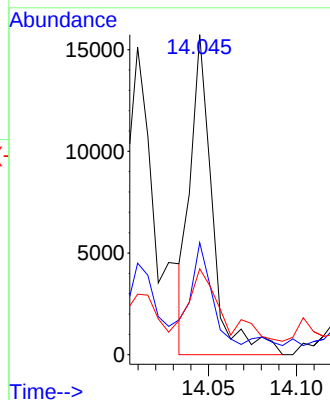
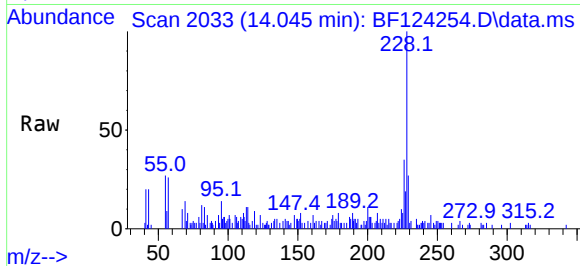
#83
Chrysene
Concen: 2.005 ng m
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:228 Resp: 13634
Ion Ratio Lower Upper
228 100
226 35.0 24.3 36.5
229 26.8 16.2 24.2#

Instrument :
BNA_F
ClientSampleId :
OK-01-060921

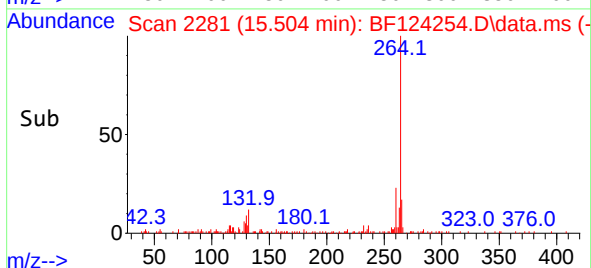
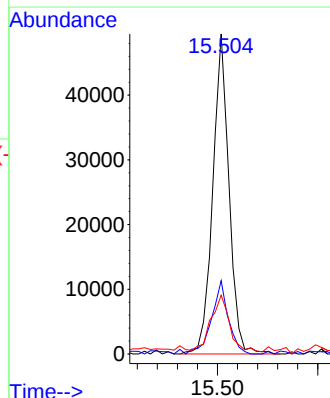
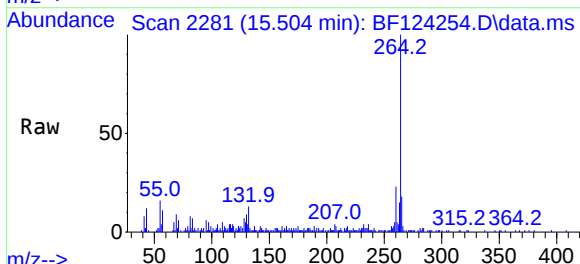
Manual Integrations
APPROVED

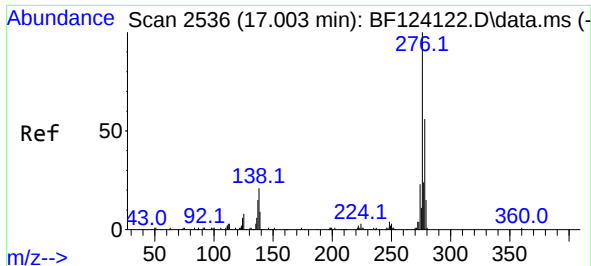
mohammad
6/11/2021 2:11:20 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:264 Resp: 55682
Ion Ratio Lower Upper
264 100
260 22.9 18.7 28.1
265 18.4 17.8 26.8





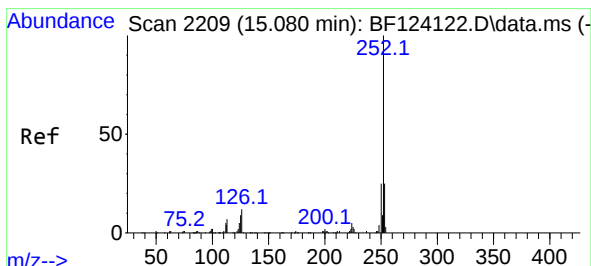
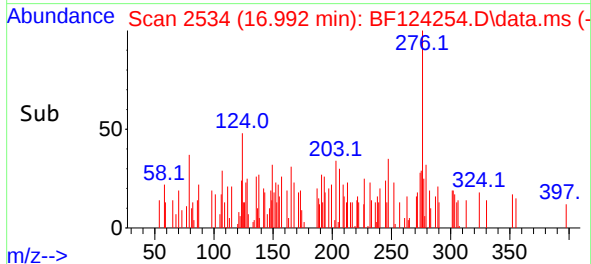
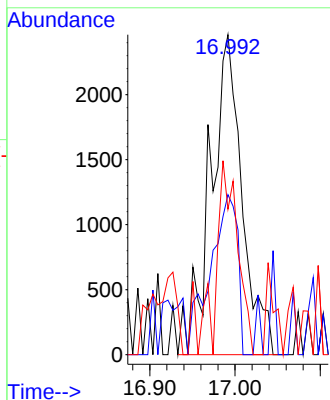
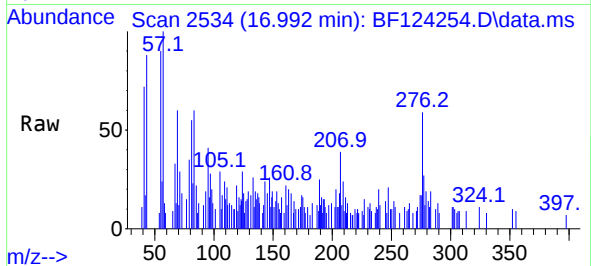
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.578 ng
RT: 16.992 min Scan# 2534
Delta R.T. 0.012 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion: 276 Resp: 6332
Ion Ratio Lower Upper
276 100
138 43.4 16.2 24.2#
277 41.2 20.1 30.1#

Instrument :
BNA_F
ClientSampled :
OK-01-060921

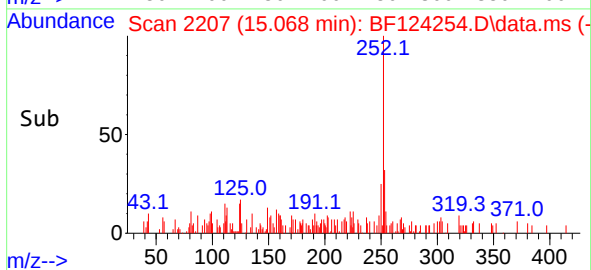
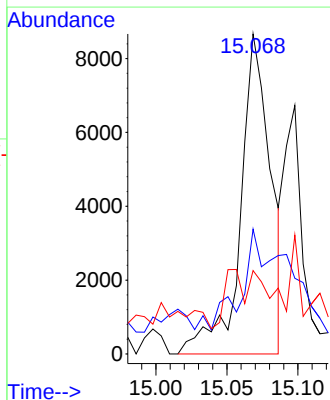
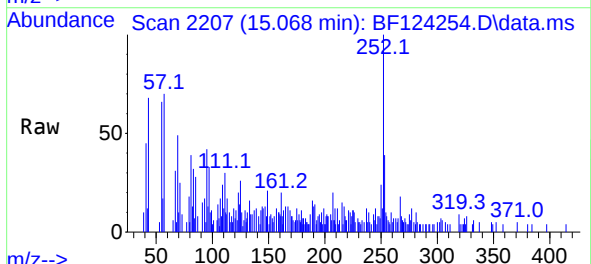
Manual Integrations
APPROVED

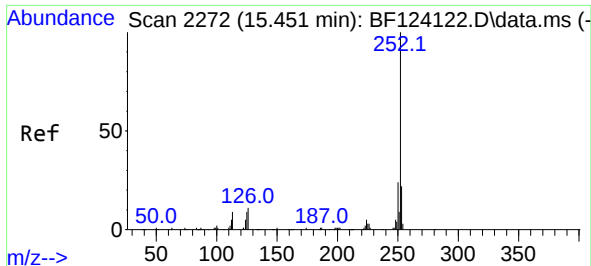
mohammad
6/11/2021 2:11:20 PM



#88
Benzo(b)fluoranthene
Concen: 2.958 ng
RT: 15.068 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion: 252 Resp: 12795
Ion Ratio Lower Upper
252 100
253 39.0 18.1 27.1#
125 26.1 6.2 9.4#





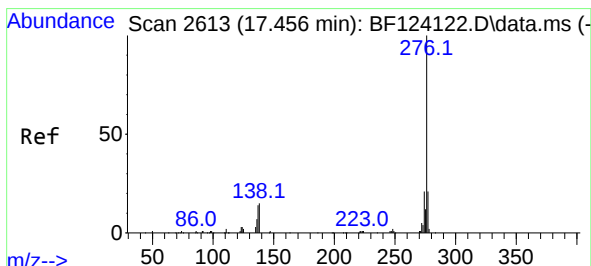
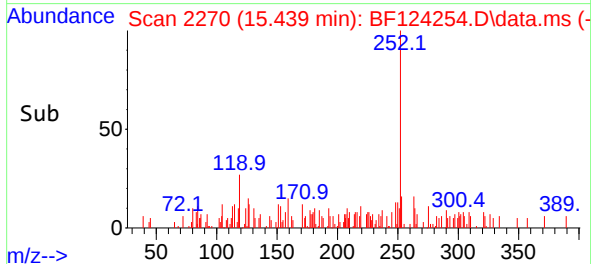
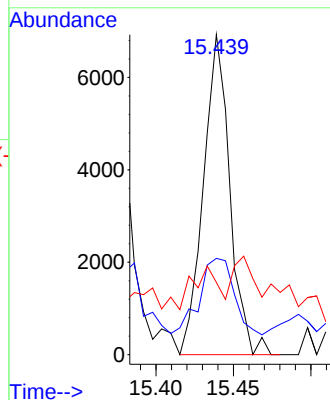
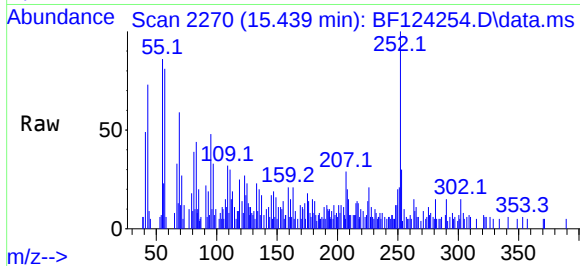
#90
Benzo(a)pyrene
Concen: 2.180 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:252 Resp: 8190
Ion Ratio Lower Upper
252 100
253 30.1 18.4 27.6#
125 22.6 8.0 12.0#

Instrument :
BNA_F
ClientSampled :
OK-01-060921

Manual Integrations
APPROVED

mohammad
6/11/2021 2:11:20 PM



#92
Benzo(g,h,i)perylene
Concen: 5.169 ng
RT: 17.439 min Scan# 2610
Delta R.T. 0.006 min
Lab File: BF124254.D
Acq: 11 Jun 2021 2:49

Tgt Ion:276 Resp: 5774
Ion Ratio Lower Upper
276 100
277 34.8 18.2 27.2#
138 40.1 13.8 20.6#

