

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020921\
 Data File : BF123166.D
 Acq On : 9 Feb 2021 15:56
 Operator : JU/CG
 Sample : M1339-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-0-5

Manual Integrations
 APPROVED

mohammad
 2/10/2021 12:15:18 PM

Quant Time: Feb 09 16:22:24 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:29:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	176400	20.00	ng	0.00
21) Naphthalene-d8	8.175	136	675091	20.00	ng	0.00
39) Acenaphthene-d10	9.933	164	378304	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	719541	20.00	ng	0.00
76) Chrysene-d12	14.080	240	607053	20.00	ng	0.00
86) Perylene-d12	15.568	264	512096	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1070073	93.57	ng	0.00
7) Phenol-d6	6.516	99	1325594	85.52	ng	0.00
23) Nitrobenzene-d5	7.451	82	839224	62.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	378748	92.23	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1547818	60.82	ng	0.00
79) Terphenyl-d14	13.022	244	1828923	59.19	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.451	178	167676	3.75	ng	97
75) Fluoranthene	12.645	202	501061	11.22	ng	99
78) Pyrene	12.874	202	467205	10.19	ng	98
81) Benzo(a)anthracene	14.068	228	280713	6.83	ng	98
83) Chrysene	14.104	228	229642	5.58	ng	96
87) Indeno(1,2,3-cd)pyrene	17.062	276	121435	3.56	ng	96
88) Benzo(b)fluoranthene	15.133	252	294365m	7.96	ng	
89) Benzo(k)fluoranthene	15.157	252	83899m	2.44	ng	
90) Benzo(a)pyrene	15.504	252	194379	5.99	ng	96
92) Benzo(g,h,i)perylene	17.521	276	117919	4.34	ng	98

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

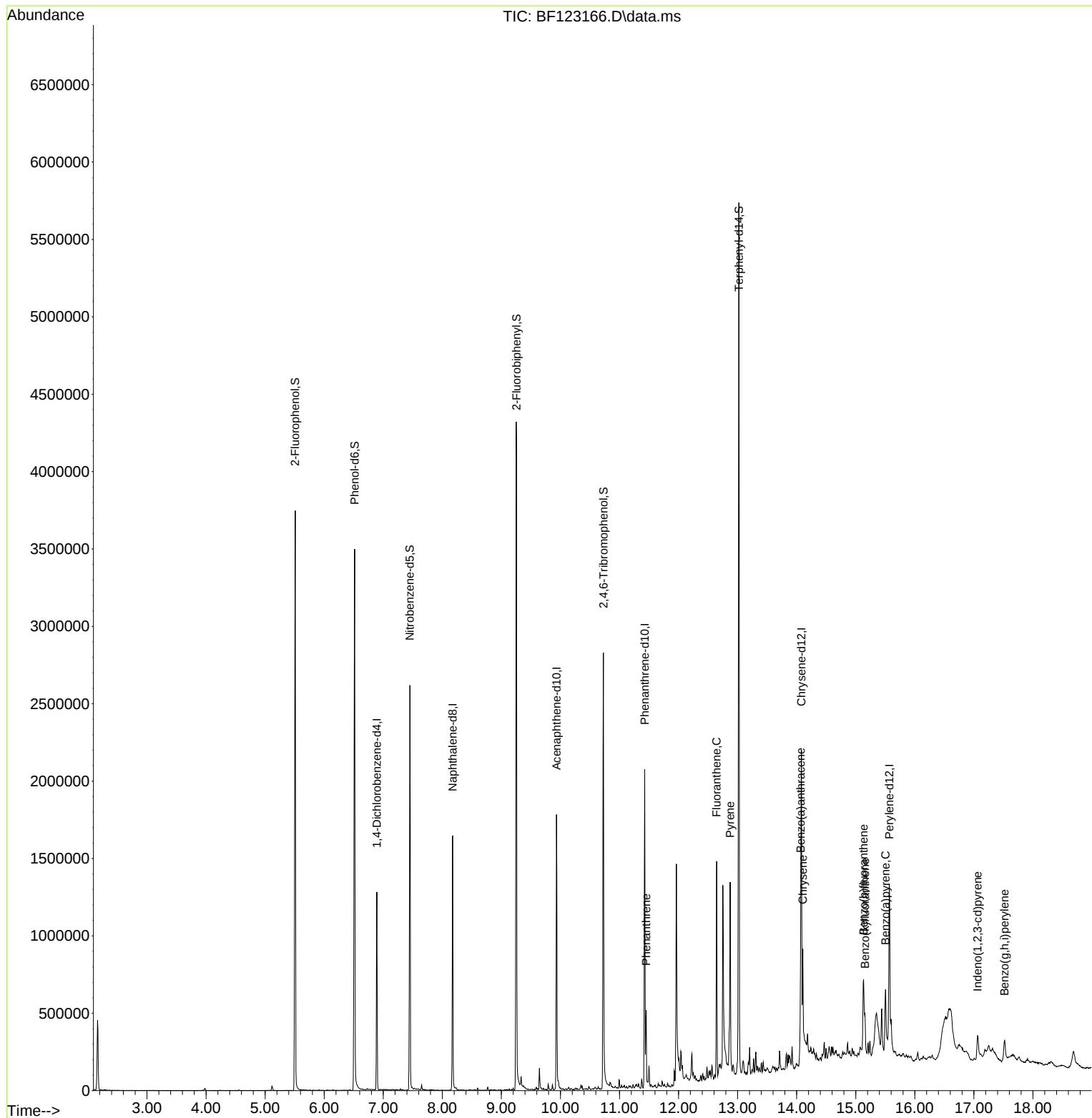
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020921\
Data File : BF123166.D
Acq On : 9 Feb 2021 15:56
Operator : JU/CG
Sample : M1339-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-0-5

Manual Integrations
APPROVED

mohammad
2/10/2021 12:15:18 PM

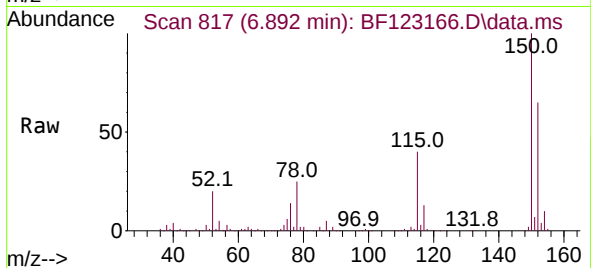
Quant Time: Feb 09 16:22:24 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 29 12:29:00 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.892 min Scan# 817
Delta R.T. 0.000 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

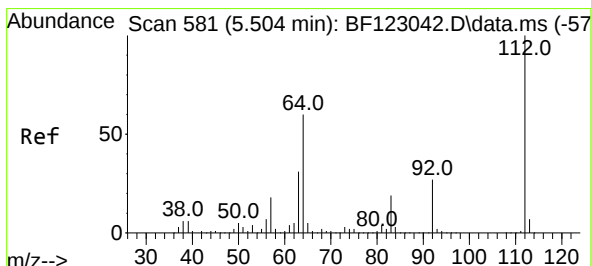
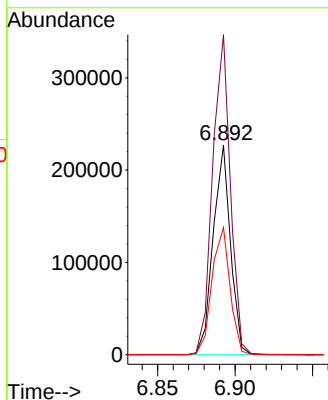
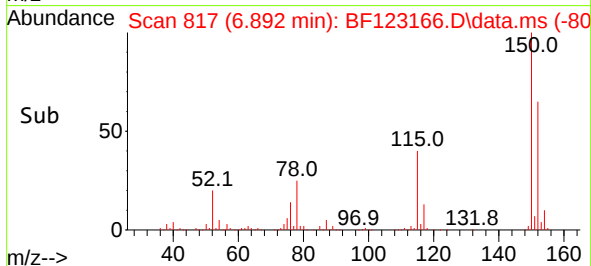
Instrument :
BNA_F
ClientSampled :
TP-0-5



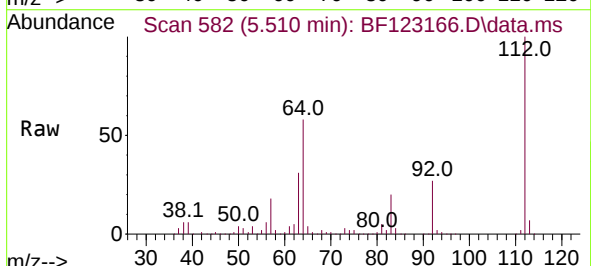
Tgt Ion:152 Resp: 176400
Ion Ratio Lower Upper
152 100
150 152.8 125.8 188.6
115 60.8 49.3 73.9

Manual Integrations
APPROVED

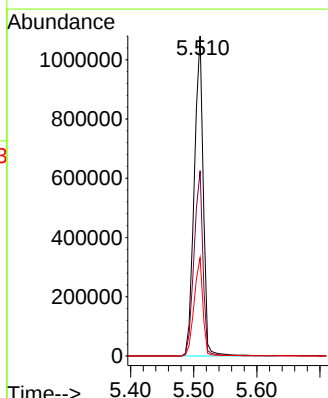
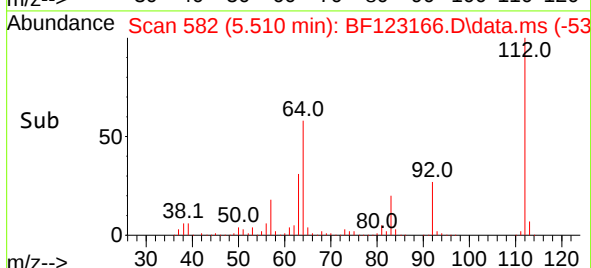
mohammad
2/10/2021 12:15:18 PM

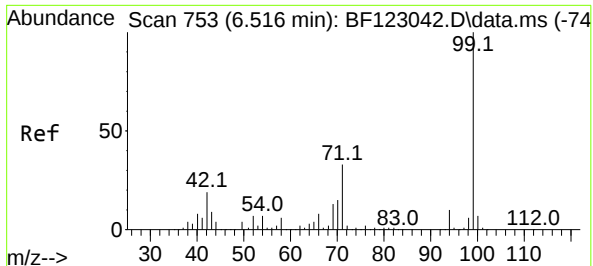


#5
2-Fluorophenol
Concen: 93.57 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

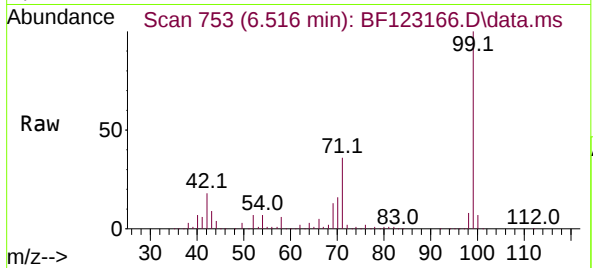


Tgt Ion:112 Resp: 1070073
Ion Ratio Lower Upper
112 100
64 57.9 46.9 70.3
63 30.7 24.5 36.7



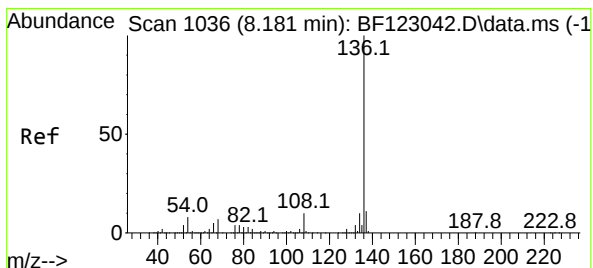
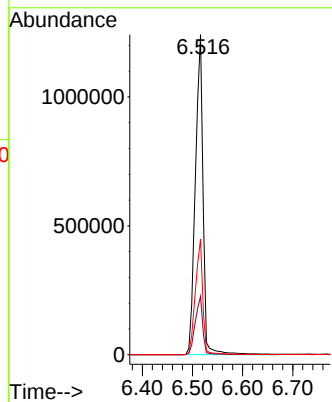
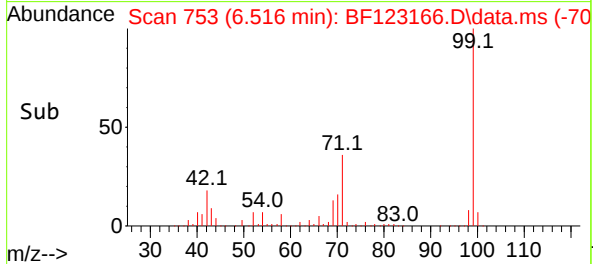


#7
Phenol-d6
Concen: 85.52 ng
RT: 6.516 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

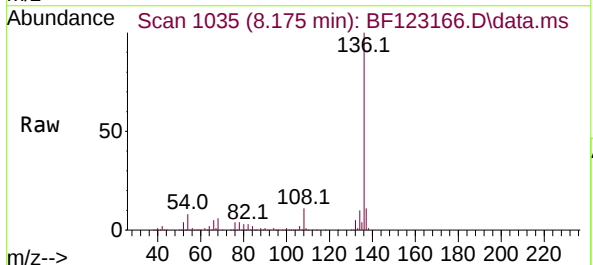


Tgt Ion: 99 Resp: 1325594

Ion	Ratio	Lower	Upper
99	100		
42	18.2	13.8	20.6
71	36.0	26.9	40.3

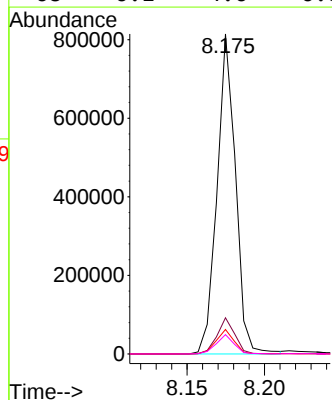
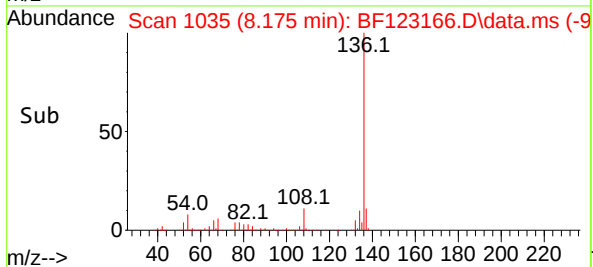


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56



Tgt Ion: 136 Resp: 675091

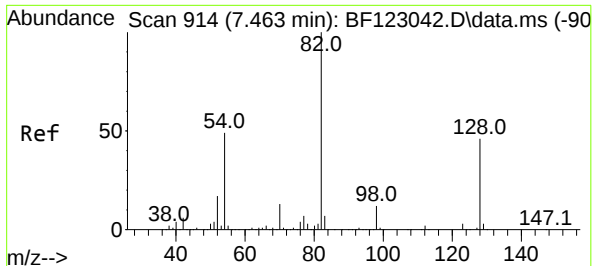
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	7.7	5.5	8.3
68	6.1	4.6	6.8



Instrument :
BNA_F
ClientSampled :
TP-0-5

Manual Integrations
APPROVED

mohammad
2/10/2021 12:15:18 PM



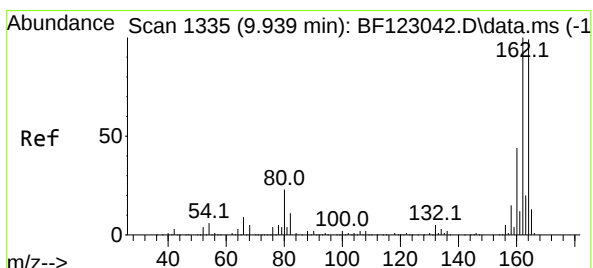
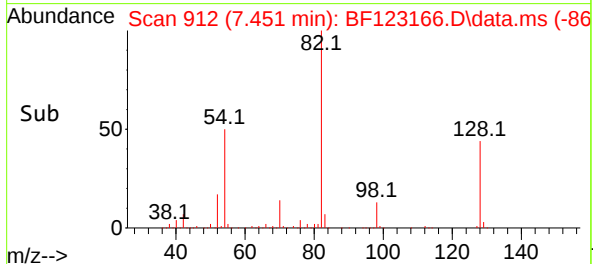
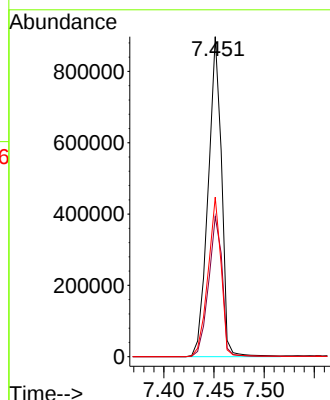
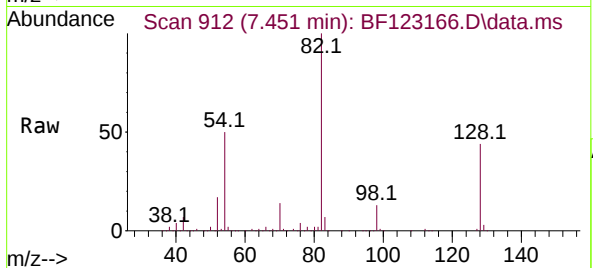
#23
Nitrobenzene-d5
Concen: 62.56 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Instrument :
BNA_F
ClientSampled :
TP-0-5

Tgt Ion: 82 Resp: 839224
Ion Ratio Lower Upper
82 100
128 43.8 37.0 55.4
54 49.8 38.4 57.6

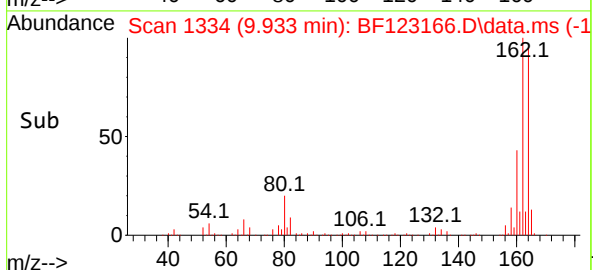
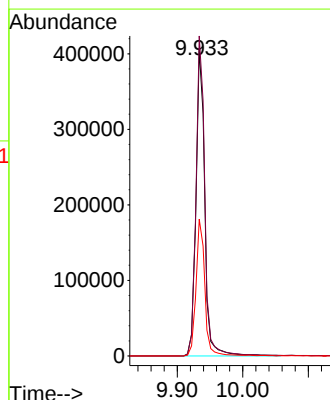
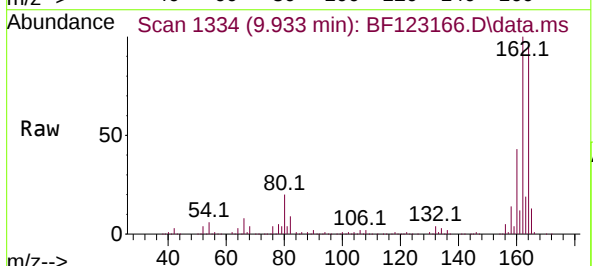
Manual Integrations
APPROVED

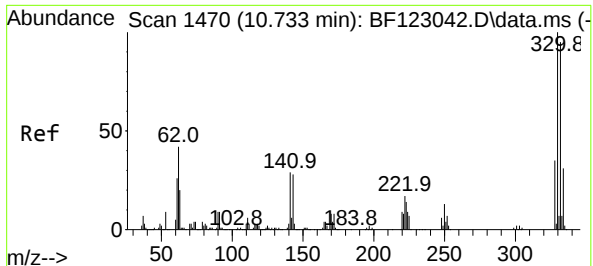
mohammad
2/10/2021 12:15:18 PM



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion:164 Resp: 378304
Ion Ratio Lower Upper
164 100
162 104.6 80.8 121.2
160 44.7 35.4 53.0





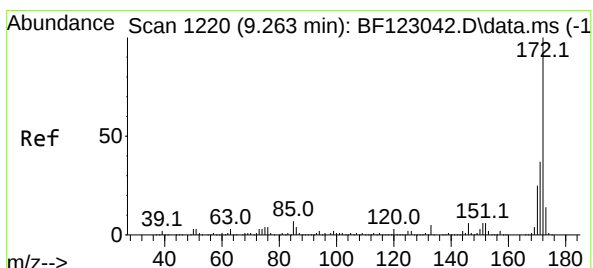
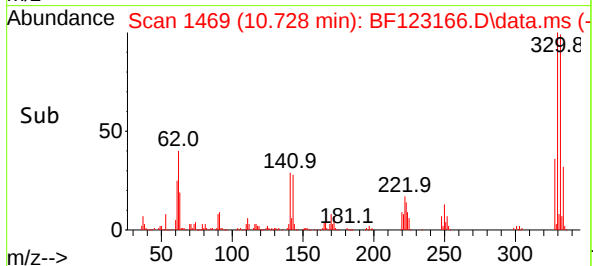
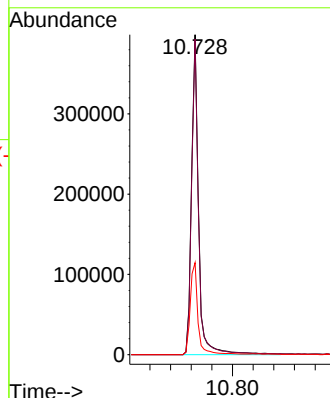
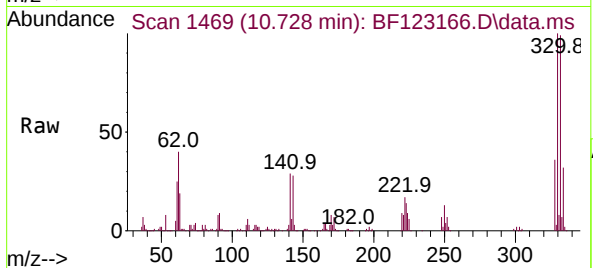
#42
2,4,6-Tribromophenol
Concen: 92.23 ng
RT: 10.728 min Scan# 1469
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Instrument :
BNA_F
ClientSampled :
TP-0-5

Tgt Ion:330 Resp: 378748
Ion Ratio Lower Upper
330 100
332 97.3 77.5 116.3
141 31.5 23.8 35.8

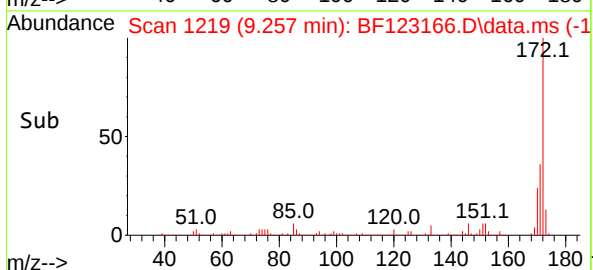
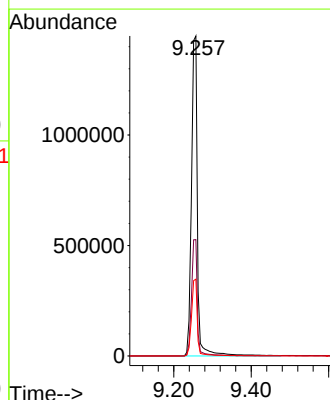
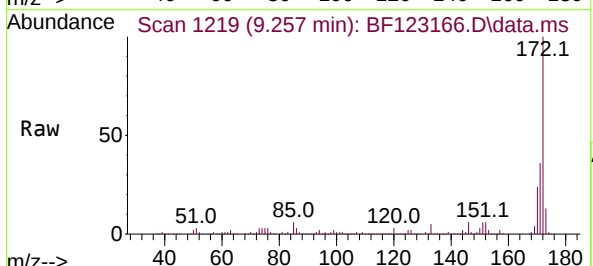
Manual Integrations
APPROVED

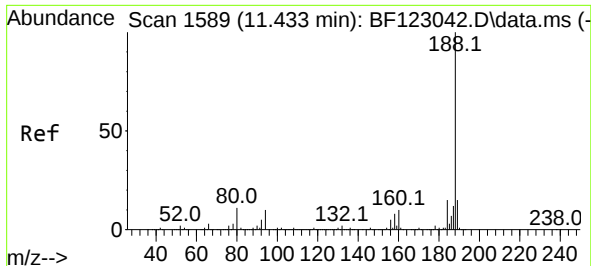
mohammad
2/10/2021 12:15:18 PM



#45
2-Fluorobiphenyl
Concen: 60.82 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

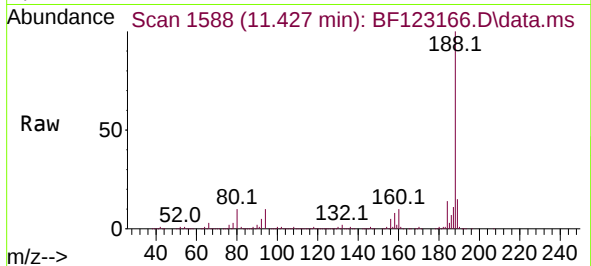
Tgt Ion:172 Resp: 1547818
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 24.0 19.5 29.3





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

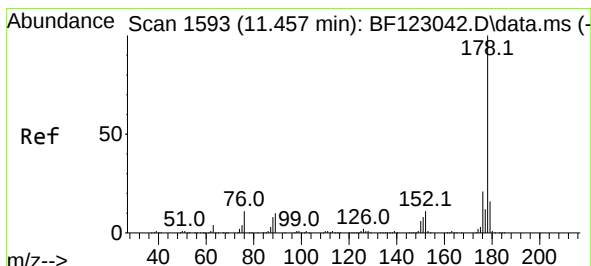
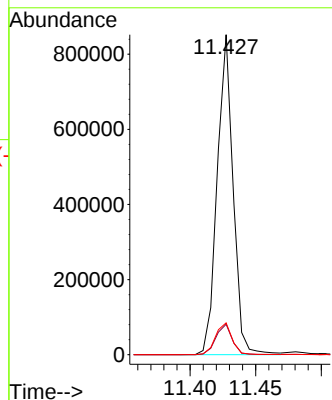
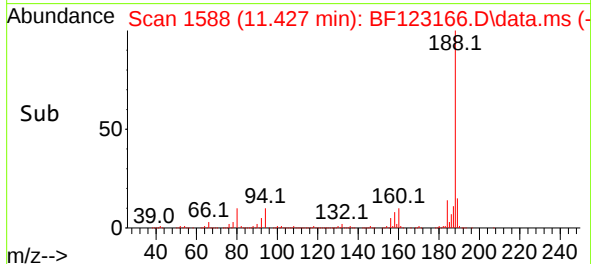
Instrument :
BNA_F
ClientSampled :
TP-0-5



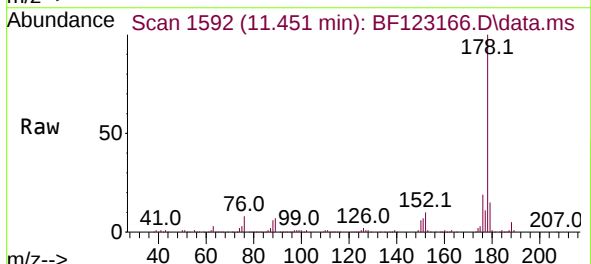
Tgt Ion:188 Resp: 719541
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.2
80 10.0 8.2 12.4

Manual Integrations
APPROVED

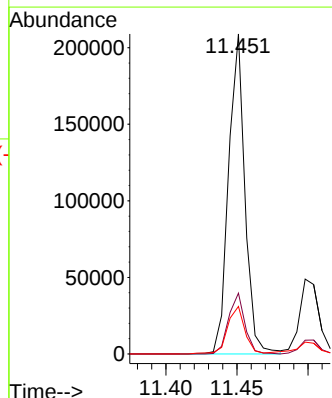
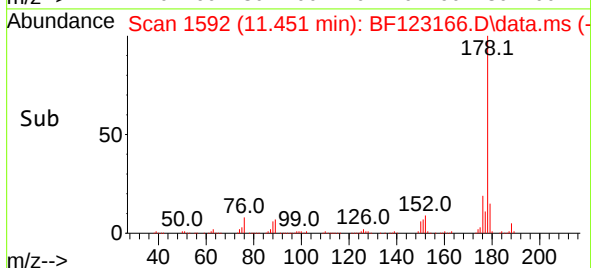
mohammad
2/10/2021 12:15:18 PM

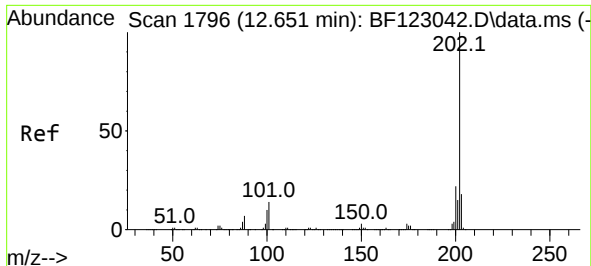


#71
Phenanthrene
Concen: 3.75 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56



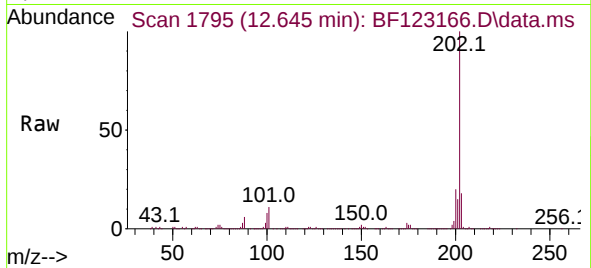
Tgt Ion:178 Resp: 167676
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.2
179 14.9 12.7 19.1





#75
Fluoranthene
Concen: 11.22 ng
RT: 12.645 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

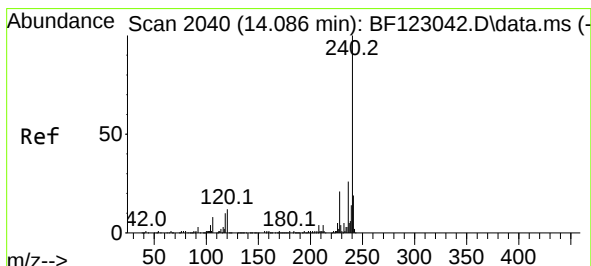
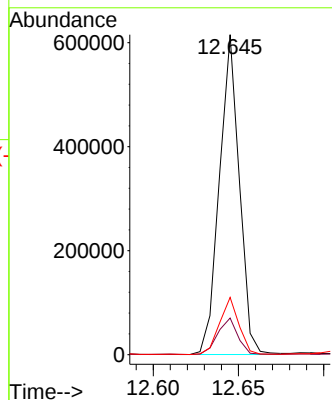
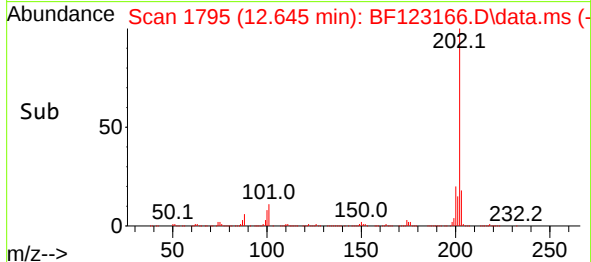
Instrument :
BNA_F
ClientSampled :
TP-0-5



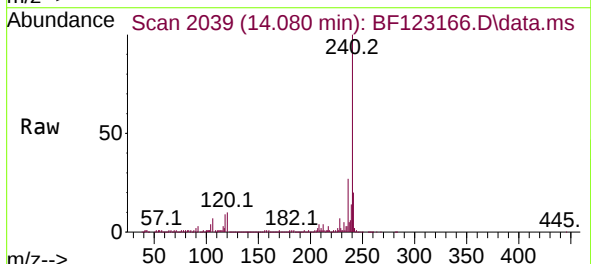
Tgt Ion:202 Resp: 501061
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.2
203 17.9 0.0 38.1

Manual Integrations
APPROVED

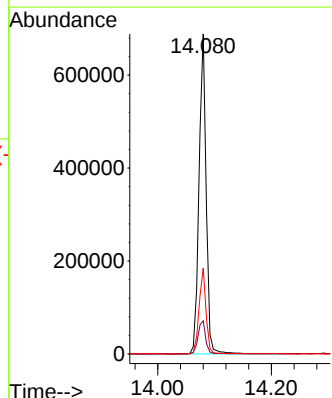
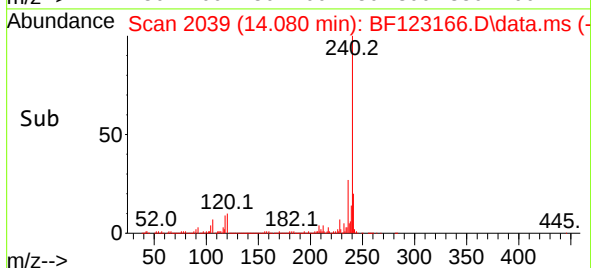
mohammad
2/10/2021 12:15:18 PM

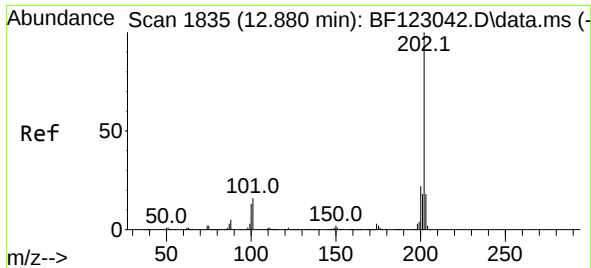


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56



Tgt Ion:240 Resp: 607053
Ion Ratio Lower Upper
240 100
120 10.3 8.6 12.8
236 26.8 20.3 30.5





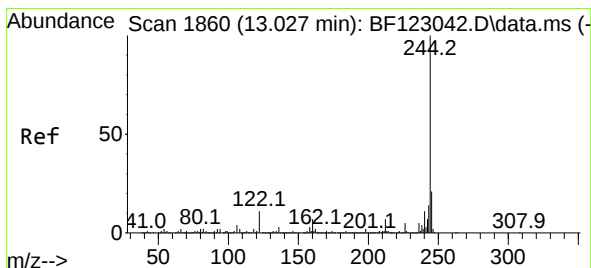
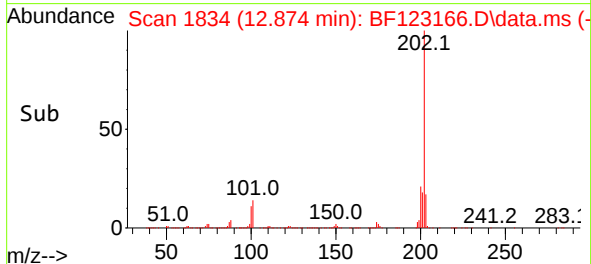
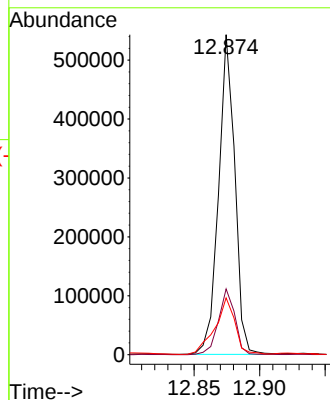
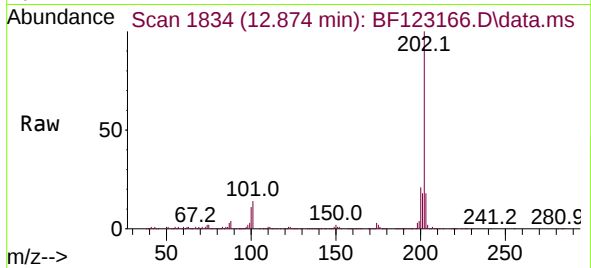
#78
Pyrene
Concen: 10.19 ng
RT: 12.874 min Scan# 1834
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion:	202	Resp:	467205
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.6	26.4
203	17.8	14.6	21.8

Instrument :
BNA_F
ClientSampled :
TP-0-5

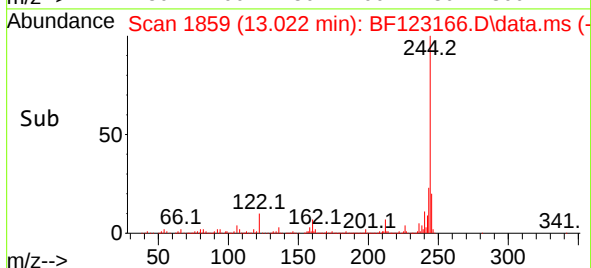
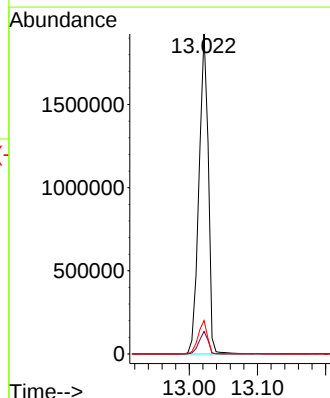
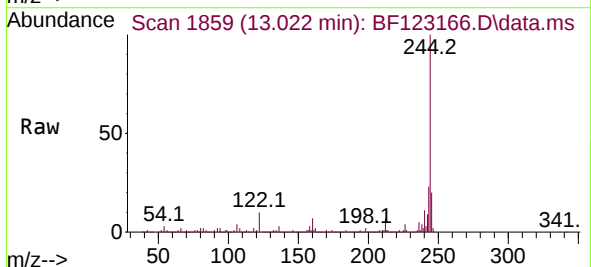
Manual Integrations
APPROVED

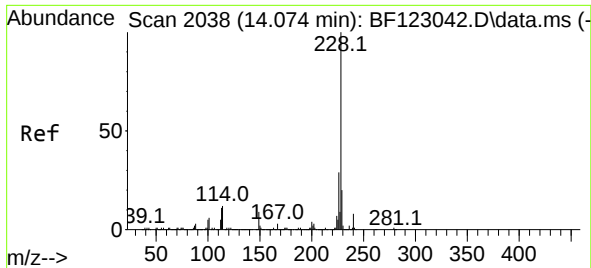
mohammad
2/10/2021 12:15:18 PM



#79
Terphenyl-d14
Concen: 59.19 ng
RT: 13.022 min Scan# 1859
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion:	244	Resp:	1828923
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.7	8.5
122	10.5	8.3	12.5





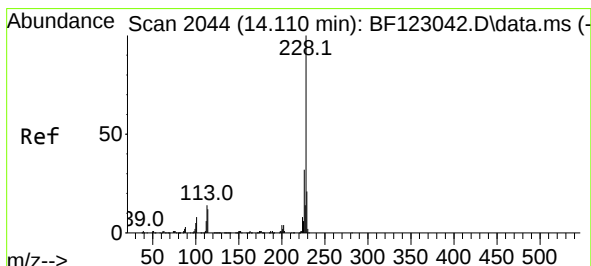
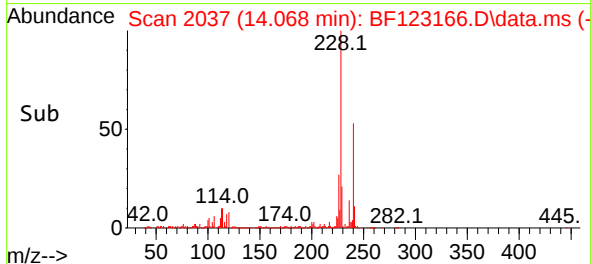
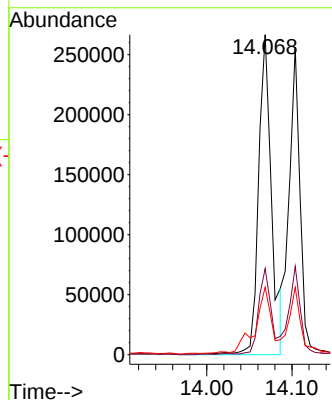
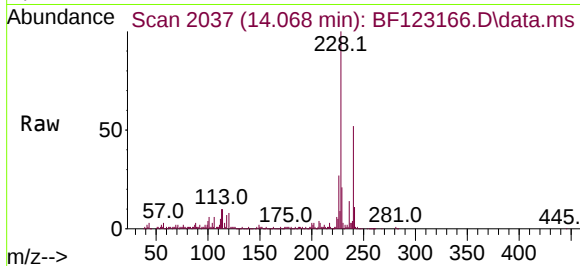
#81
Benzo(a)anthracene
Concen: 6.83 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion:228 Resp: 280713
Ion Ratio Lower Upper
228 100
226 26.9 23.0 34.4
229 21.1 16.6 24.8

Instrument :
BNA_F
ClientSampled :
TP-0-5

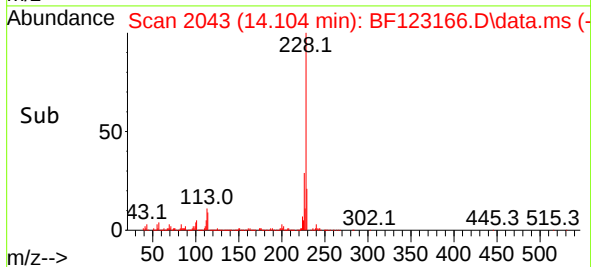
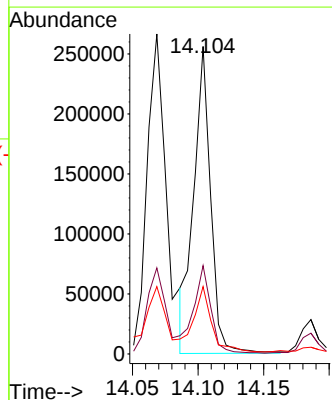
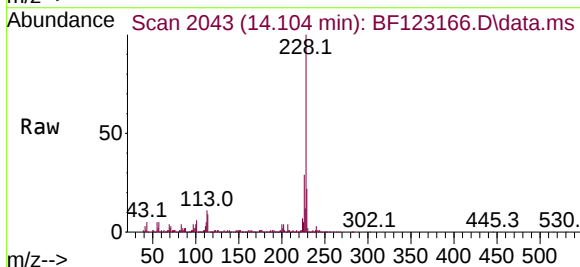
Manual Integrations
APPROVED

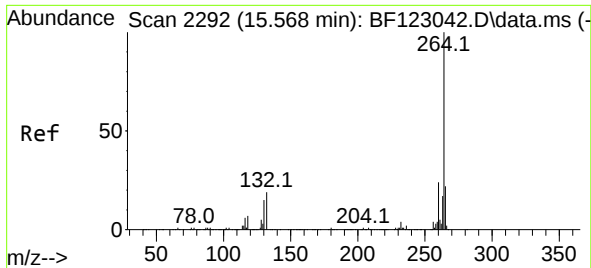
mohammad
2/10/2021 12:15:18 PM



#83
Chrysene
Concen: 5.58 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

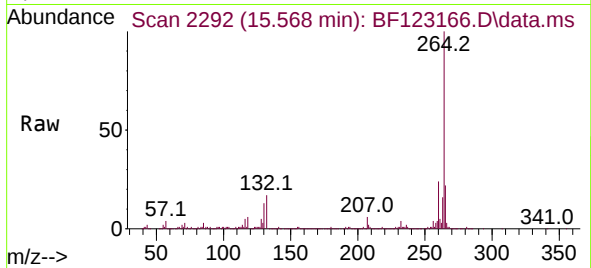
Tgt Ion:228 Resp: 229642
Ion Ratio Lower Upper
228 100
226 28.7 24.6 36.8
229 21.9 15.8 23.6





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

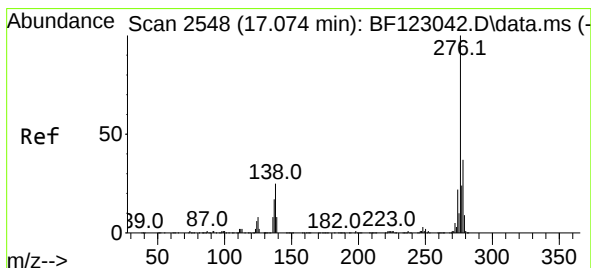
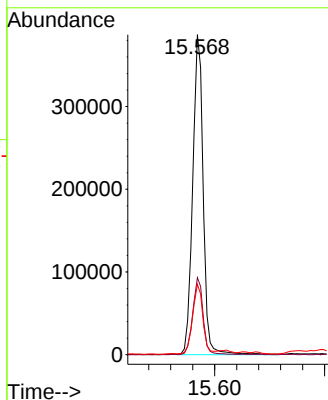
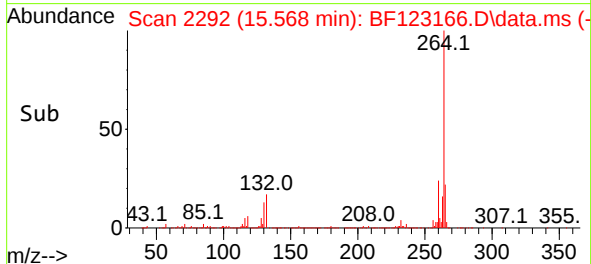
Instrument :
BNA_F
ClientSampled :
TP-0-5



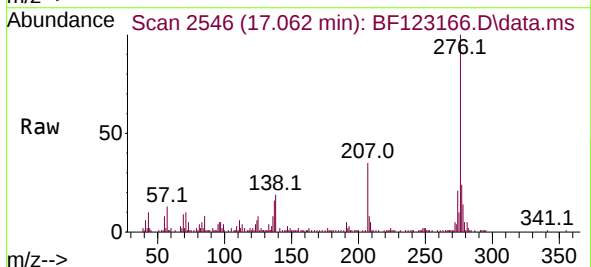
Tgt Ion:264 Resp: 512096
Ion Ratio Lower Upper
264 100
260 24.0 18.6 28.0
265 22.0 17.0 25.6

Manual Integrations
APPROVED

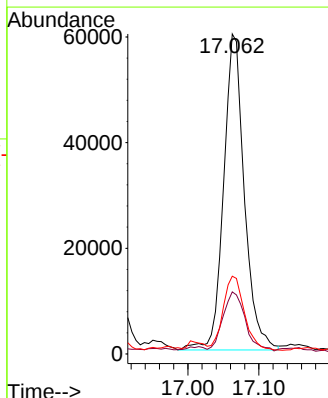
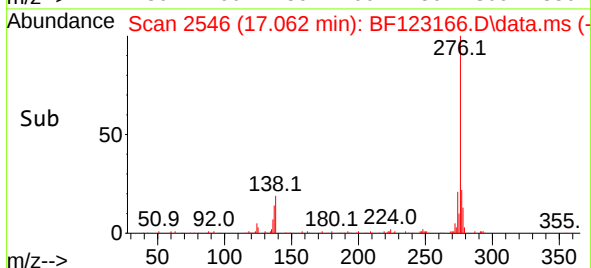
mohammad
2/10/2021 12:15:18 PM

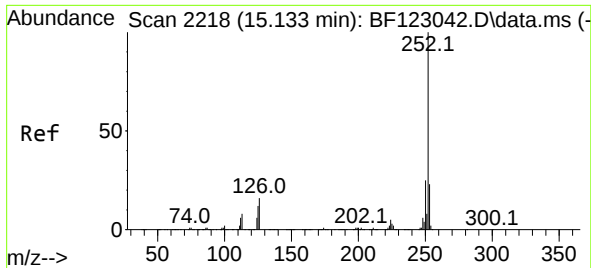


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.56 ng
RT: 17.062 min Scan# 2546
Delta R.T. -0.012 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56



Tgt Ion:276 Resp: 121435
Ion Ratio Lower Upper
276 100
138 20.1 18.7 28.1
277 24.3 20.2 30.4





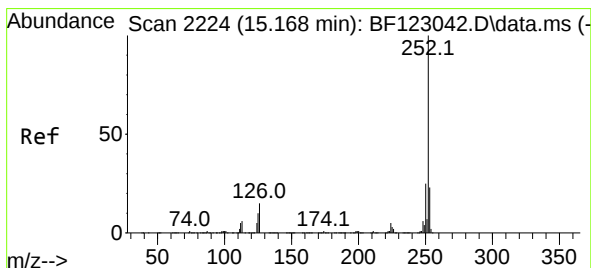
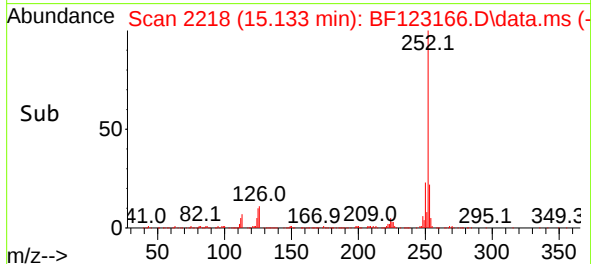
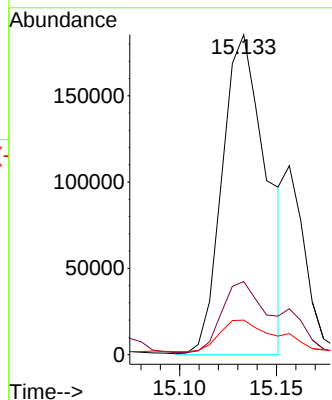
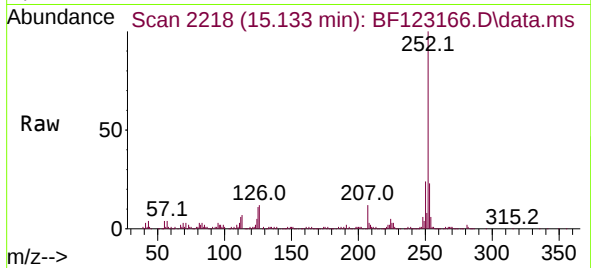
#88
Benzo(b)fluoranthene
Concen: 7.96 ng m
RT: 15.133 min Scan# 2218
Delta R.T. 0.000 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion:252 Resp: 294365
Ion Ratio Lower Upper
252 100
253 22.9 18.3 27.5
125 10.8 8.1 12.1

Instrument :
BNA_F
ClientSampled :
TP-0-5

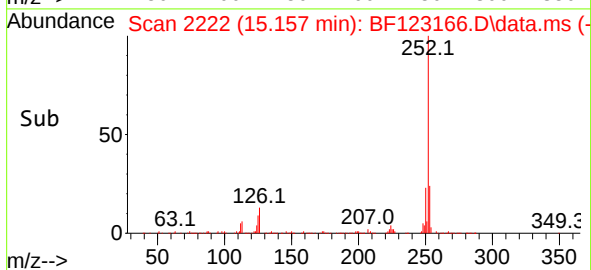
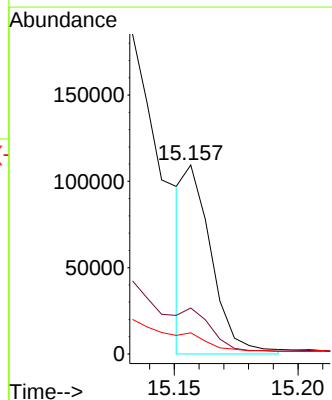
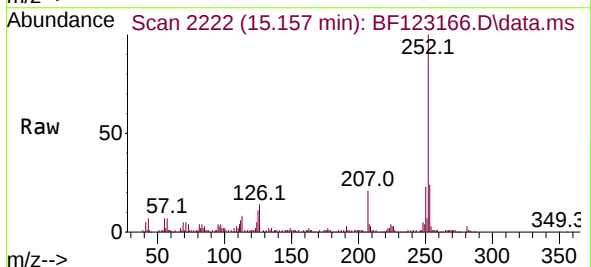
Manual Integrations
APPROVED

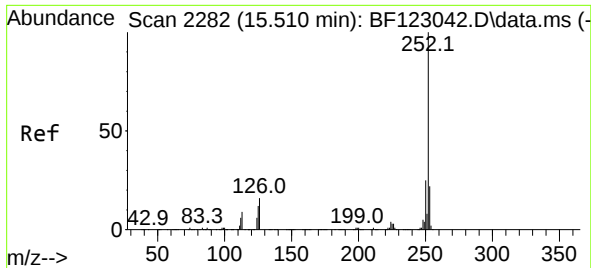
mohammad
2/10/2021 12:15:18 PM



#89
Benzo(k)fluoranthene
Concen: 2.44 ng m
RT: 15.157 min Scan# 2222
Delta R.T. -0.012 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion:252 Resp: 83899
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 11.1 8.4 12.6





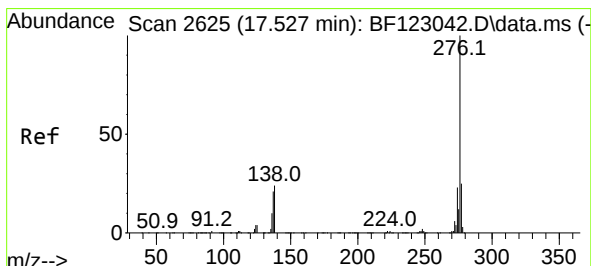
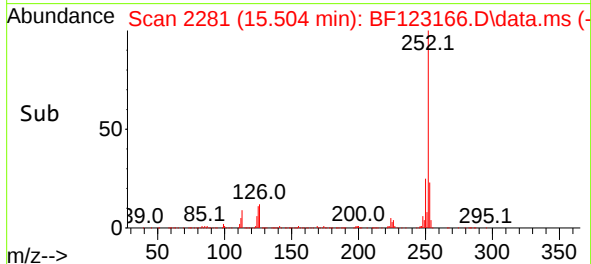
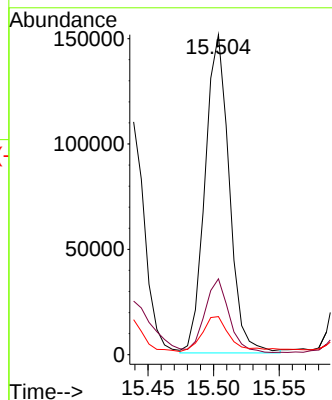
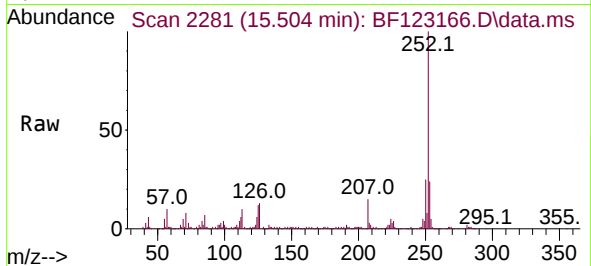
#90
Benzo(a)pyrene
Concen: 5.99 ng
RT: 15.504 min Scan# 2281
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion:252 Resp: 194379
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 11.9 8.6 12.8

Instrument :
BNA_F
ClientSampled :
TP-0-5

Manual Integrations
APPROVED

mohammad
2/10/2021 12:15:18 PM



#92
Benzo(g,h,i)perylene
Concen: 4.34 ng
RT: 17.521 min Scan# 2624
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion:276 Resp: 117919
Ion Ratio Lower Upper
276 100
277 23.4 19.3 28.9
138 21.6 16.6 24.8

