

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101521\
 Data File : BF125868.D
 Acq On : 15 Oct 2021 18:05
 Operator : JU/CG
 Sample : M4244-10 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T5-COMP-(1-4)

Manual Integrations
 APPROVED

mohammad
 10/19/2021 12:06:58 PM

Quant Time: Oct 18 08:56:54 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 15 15:00:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	184604	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	714744	20.000	ng	# 0.00
39) Acenaphthene-d10	9.863	164	320974	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	414960	20.000	ng	# 0.00
76) Chrysene-d12	13.992	240	399089	20.000	ng	0.00
86) Perylene-d12	15.445	264	396392	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	429642	38.021	ng	0.00
7) Phenol-d6	6.457	99	518110	35.616	ng	0.00
23) Nitrobenzene-d5	7.386	82	297413	25.866	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	89073	28.108	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	573586	30.823	ng	0.00
79) Terphenyl-d14	12.939	244	440253	16.804	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.374	178	226424	10.198	ng	# 90
72) Anthracene	11.427	178	53816	2.427	ng	# 74
75) Fluoranthene	12.568	202	383255	19.131	ng	95
78) Pyrene	12.798	202	357077	8.807	ng	95
81) Benzo(a)anthracene	13.980	228	211221	8.158	ng	94
83) Chrysene	14.015	228	182420m	7.128	ng	
84) Bis(2-ethylhexyl)phtha...	13.968	149	118227	8.361	ng	# 99
88) Benzo(b)fluoranthene	15.021	252	251942m	11.258	ng	
89) Benzo(k)fluoranthene	15.045	252	69353m	3.018	ng	
90) Benzo(a)pyrene	15.380	252	169742	8.565	ng	96
92) Benzo(g,h,i)perylene	17.309	276	75924	2.979	ng	98

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

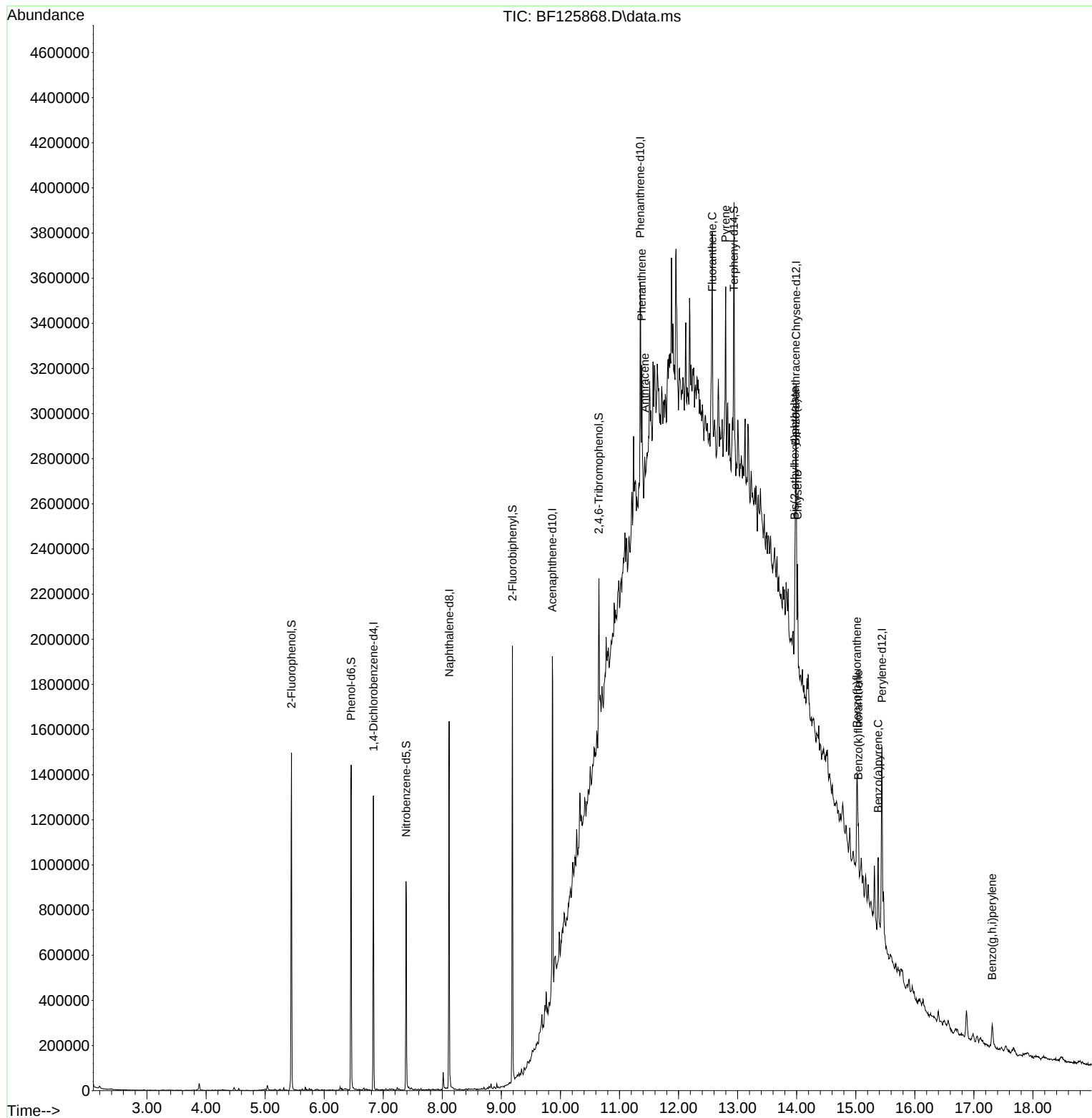
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101521\
Data File : BF125868.D
Acq On : 15 Oct 2021 18:05
Operator : JU/CG
Sample : M4244-10 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

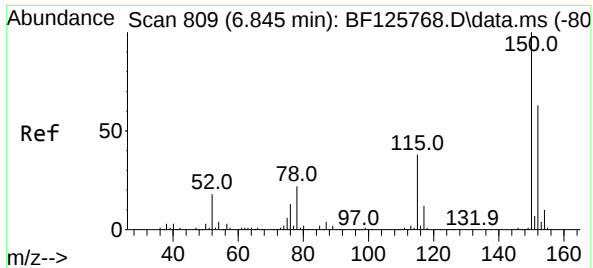
Instrument :
BNA_F
ClientSampleId :
T5-COMP-(1-4)

Manual Integrations
APPROVED

mohammad
10/19/2021 12:06:58 PM

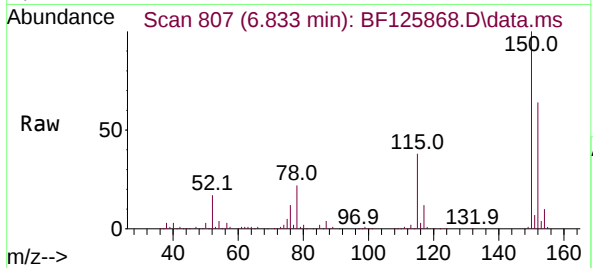
Quant Time: Oct 18 08:56:54 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 15 15:00:46 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.833 min Scan# 807
Delta R.T. -0.001 min
Lab File: BF125868.D
Acq: 15 Oct 2021 18:05

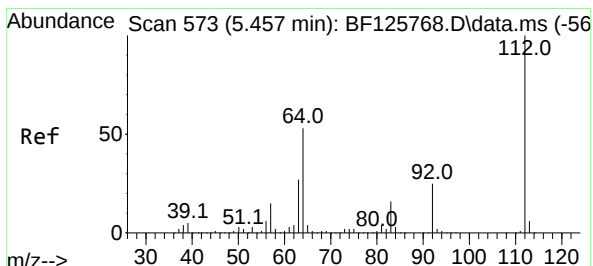
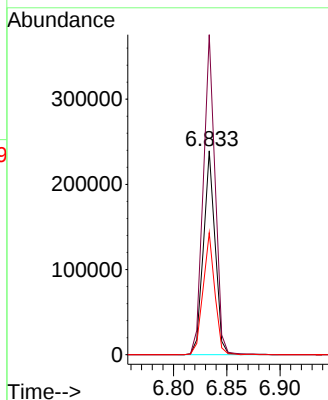
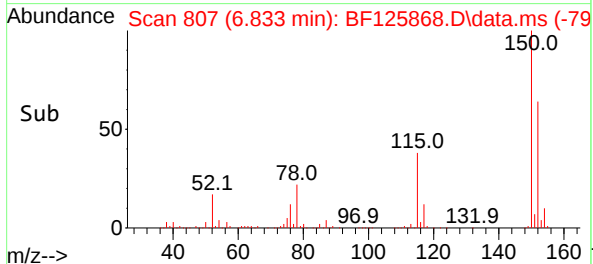
Instrument :
BNA_F
ClientSampleId :
T5-COMP-(1-4)



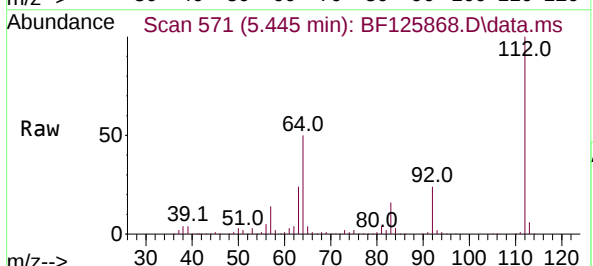
Tgt Ion:152 Resp: 184604
Ion Ratio Lower Upper
152 100
150 157.0 117.6 176.4
115 59.8 47.1 70.7

Manual Integrations
APPROVED

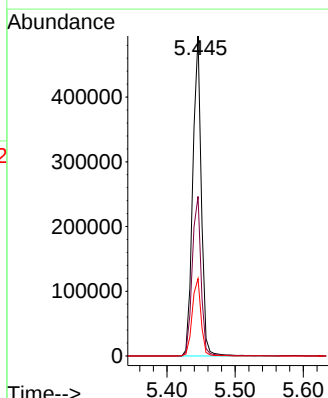
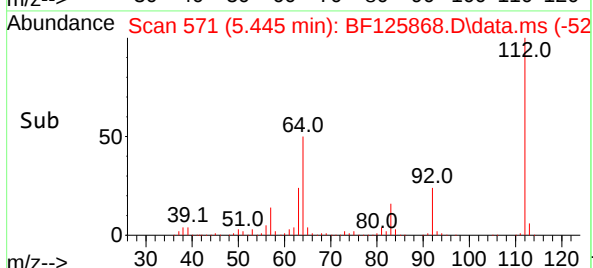
mohammad
10/19/2021 12:06:58 PM

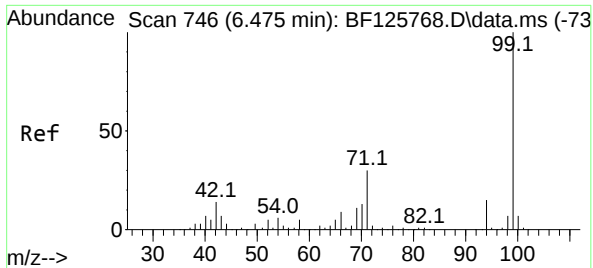


#5
2-Fluorophenol
Concen: 38.021 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF125868.D
Acq: 15 Oct 2021 18:05



Tgt Ion:112 Resp: 429642
Ion Ratio Lower Upper
112 100
64 49.9 44.2 66.2
63 24.1 26.2 39.2#





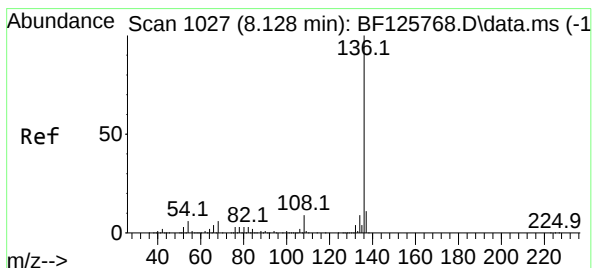
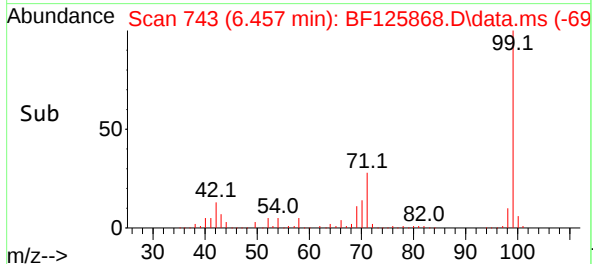
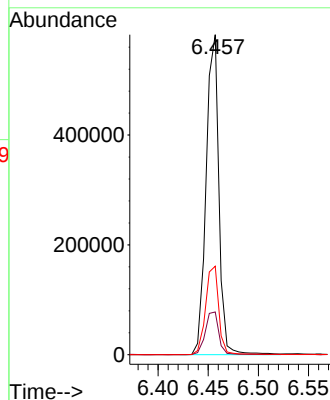
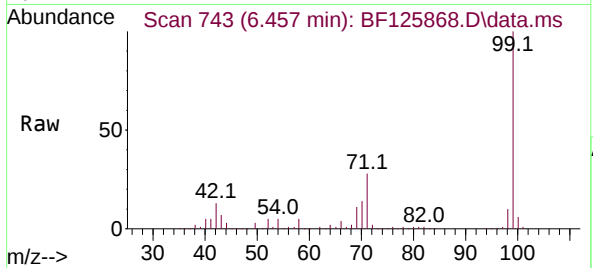
#7
Phenol-d6
Concen: 35.616 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF125868.D
Acq: 15 Oct 2021 18:05

Tgt Ion: 99 Resp: 518110
Ion Ratio Lower Upper
99 100
42 13.4 23.5 35.3#
71 27.7 25.6 38.4

Instrument :
BNA_F
ClientSampleId :
T5-COMP-(1-4)

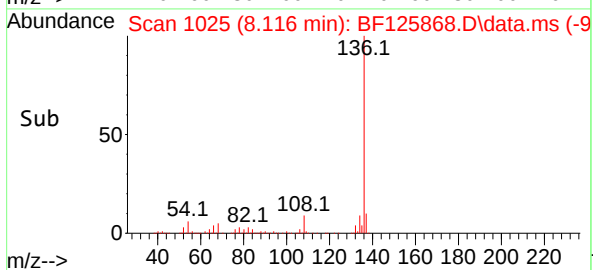
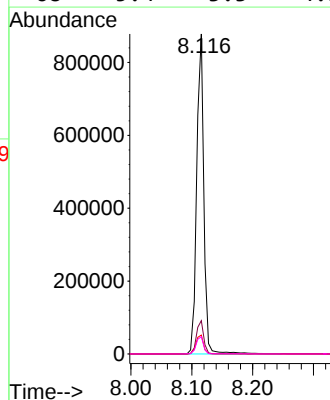
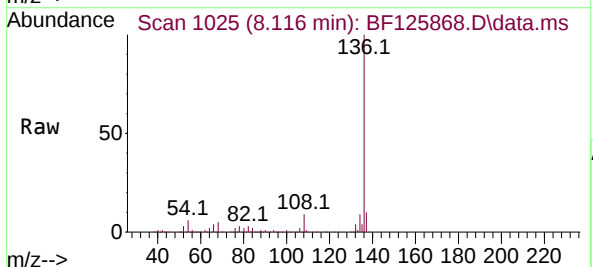
Manual Integrations
APPROVED

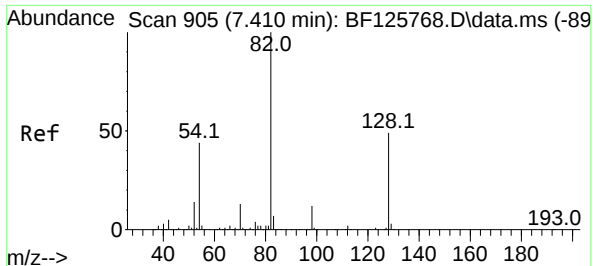
mohammad
10/19/2021 12:06:58 PM



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF125868.D
Acq: 15 Oct 2021 18:05

Tgt Ion: 136 Resp: 714744
Ion Ratio Lower Upper
136 100
137 10.4 9.8 14.6
54 5.9 6.4 9.6#
68 5.4 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 25.866 ng

RT: 7.386 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF125868.D

Acq: 15 Oct 2021 18:05

Tgt Ion:	82	Resp:	297413
Ion	Ratio	Lower	Upper
82	100		
128	47.1	40.6	60.8
54	45.2	49.6	74.4#

Instrument :

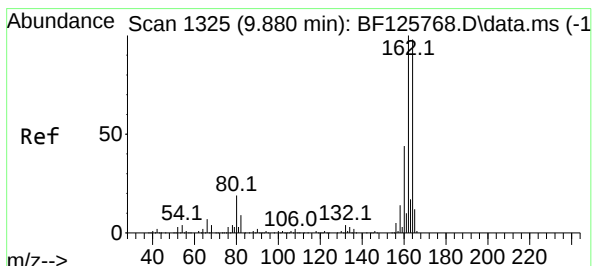
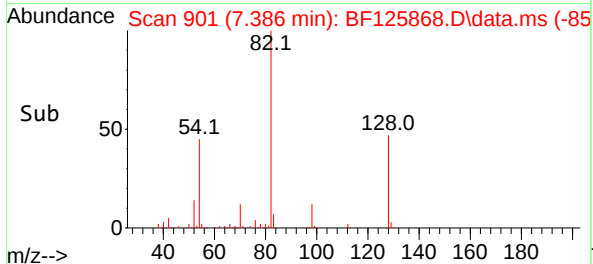
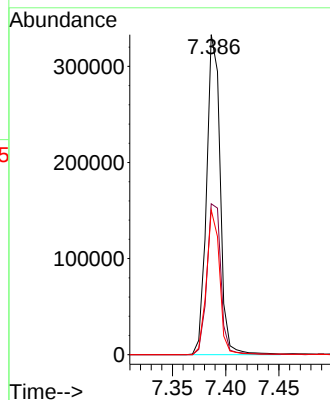
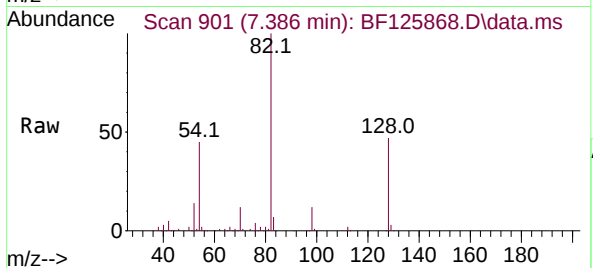
BNA_F

ClientSampleId :

T5-COMP-(1-4)

Manual Integrations
APPROVED

mohammad
10/19/2021 12:06:58 PM



#39

Acenaphthene-d10

Concen: 20.000 ng

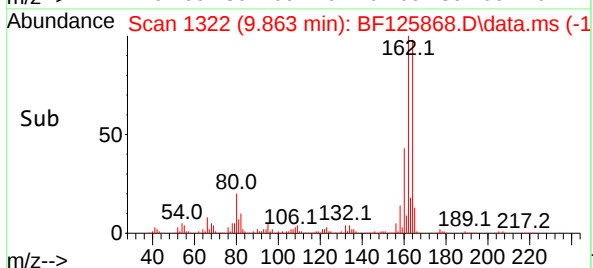
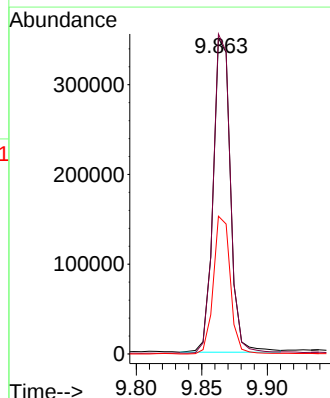
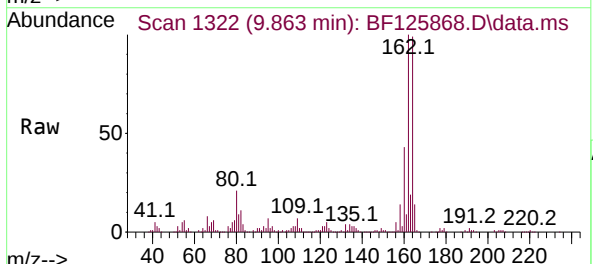
RT: 9.863 min Scan# 1322

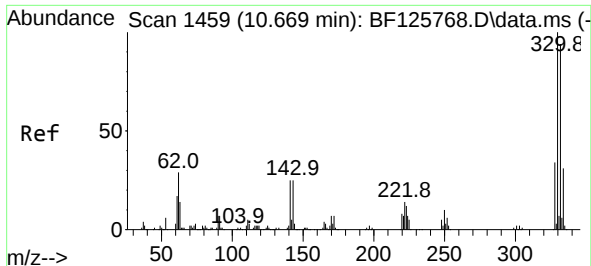
Delta R.T. -0.006 min

Lab File: BF125868.D

Acq: 15 Oct 2021 18:05

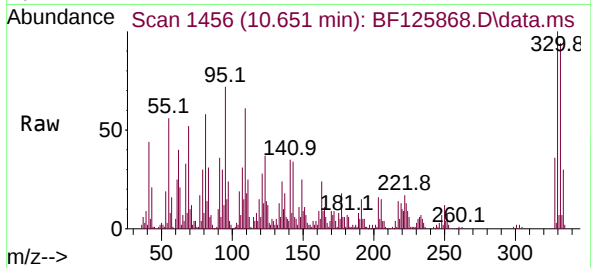
Tgt Ion:	164	Resp:	320974
Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.3	121.9
160	43.6	38.0	57.0





#42
2,4,6-Tribromophenol
Concen: 28.108 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF125868.D
Acq: 15 Oct 2021 18:05

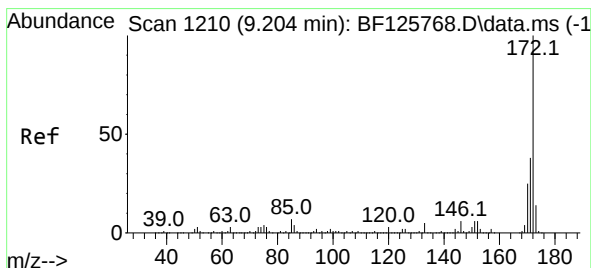
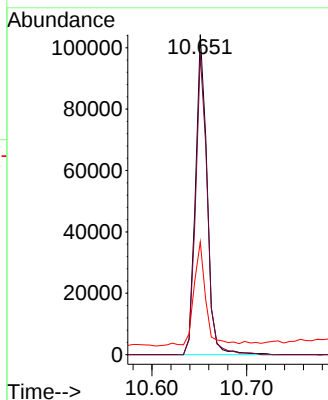
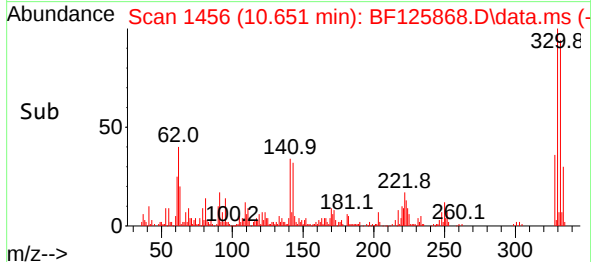
Instrument :
BNA_F
ClientSampleId :
T5-COMP-(1-4)



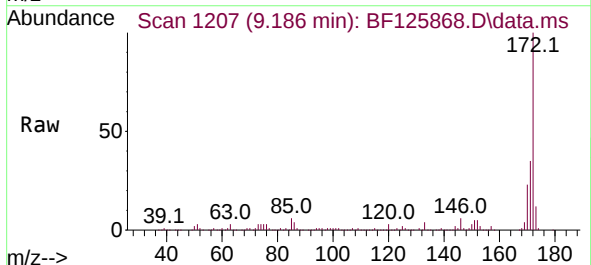
Tgt Ion: 330 Resp: 89073
Ion Ratio Lower Upper
330 100
332 94.3 76.2 114.4
141 34.3 44.6 66.8#

Manual Integrations
APPROVED

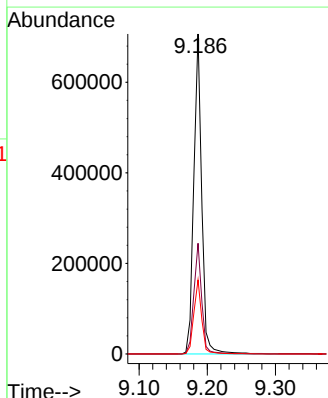
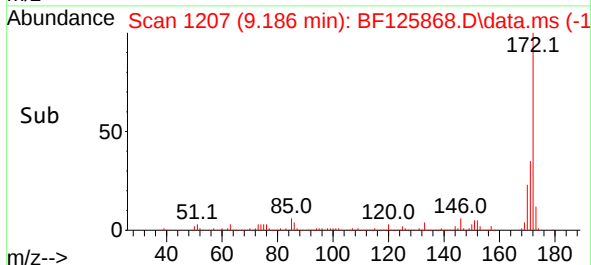
mohammad
10/19/2021 12:06:58 PM

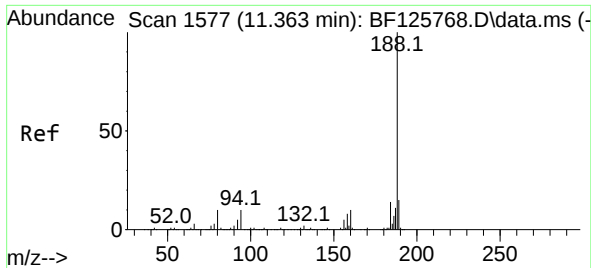


#45
2-Fluorobiphenyl
Concen: 30.823 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF125868.D
Acq: 15 Oct 2021 18:05



Tgt Ion: 172 Resp: 573586
Ion Ratio Lower Upper
172 100
171 34.6 26.5 39.7
170 23.2 18.8 28.2





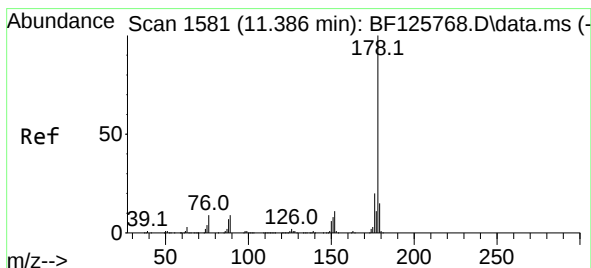
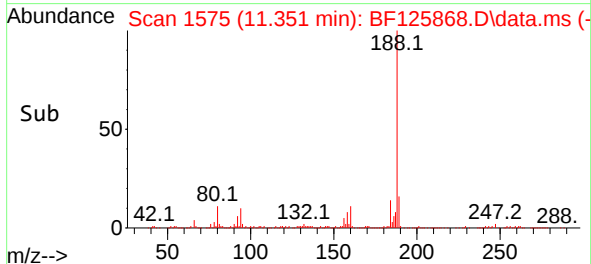
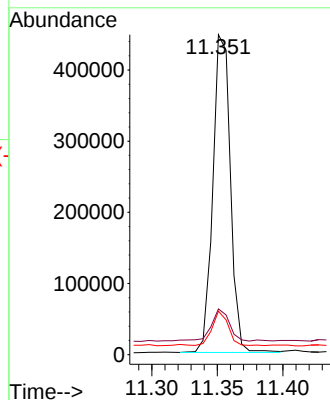
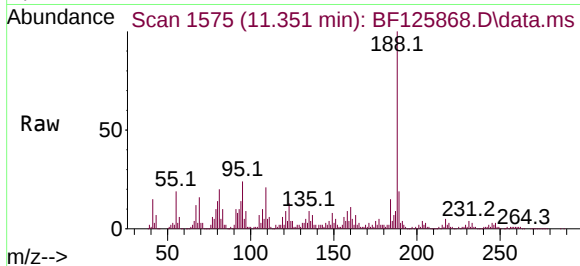
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF125868.D
Acq: 15 Oct 2021 18:05

Instrument :
BNA_F
ClientSampleId :
T5-COMP-(1-4)

Tgt Ion:188 Resp: 414960
Ion Ratio Lower Upper
188 100
94 14.3 6.7 10.1#
80 13.6 7.5 11.3#

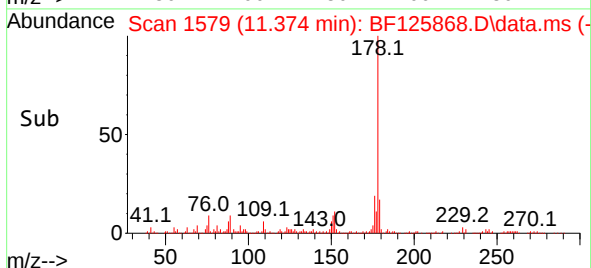
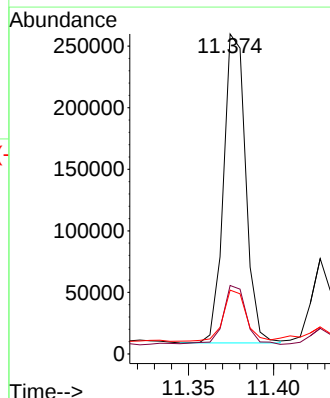
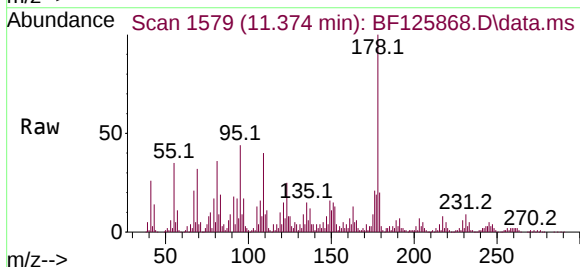
Manual Integrations
APPROVED

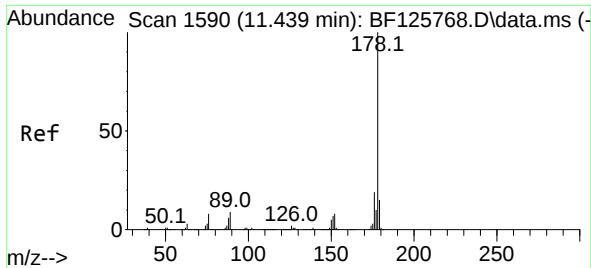
mohammad
10/19/2021 12:06:58 PM



#71
Phenanthrene
Concen: 10.198 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BF125868.D
Acq: 15 Oct 2021 18:05

Tgt Ion:178 Resp: 226424
Ion Ratio Lower Upper
178 100
176 21.4 14.7 22.1
179 20.0 11.5 17.3#





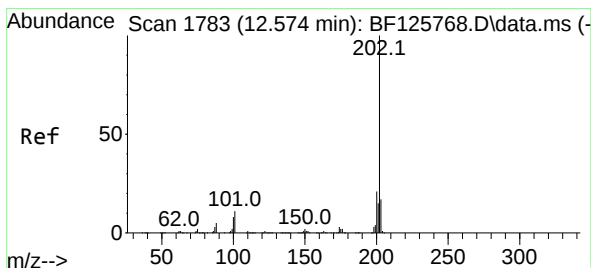
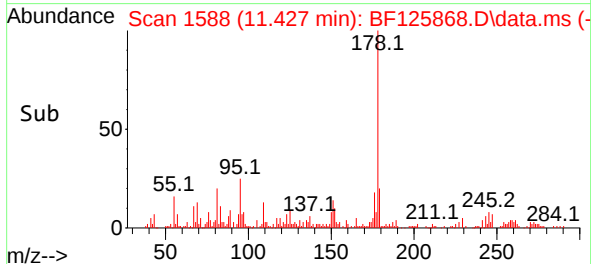
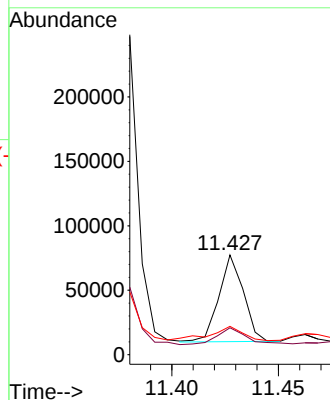
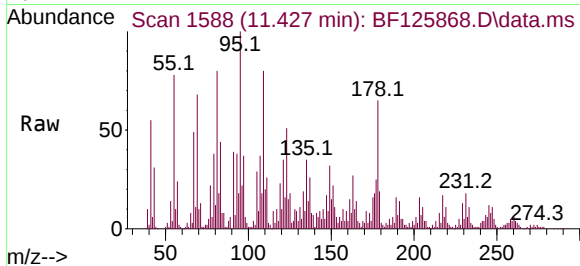
#72
 Anthracene
 Concen: 2.427 ng
 RT: 11.427 min Scan# 1588
 Delta R.T. -0.000 min
 Lab File: BF125868.D
 Acq: 15 Oct 2021 18:05

Instrument :
 BNA_F
 ClientSampleId :
 T5-COMP-(1-4)

Tgt Ion:178 Resp: 53816
 Ion Ratio Lower Upper
 178 100
 176 27.0 14.3 21.5#
 179 28.4 12.2 18.4#

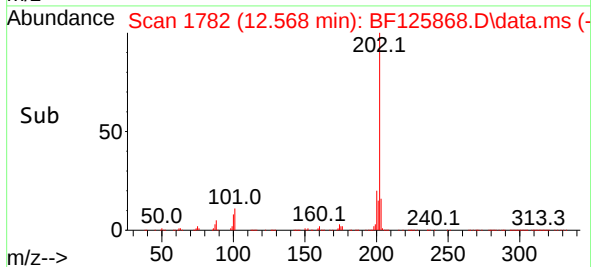
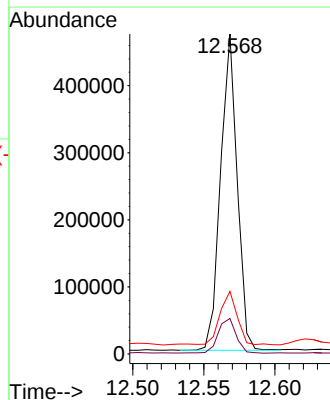
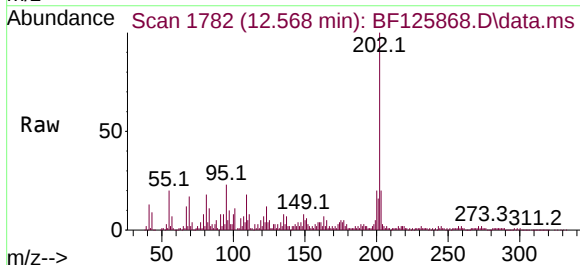
Manual Integrations
 APPROVED

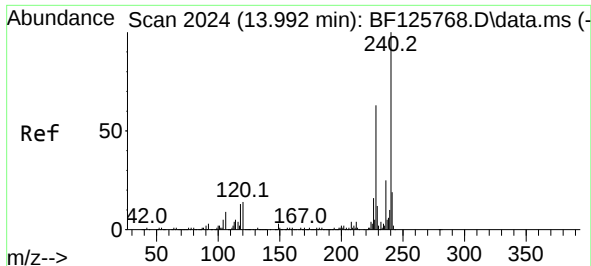
mohammad
 10/19/2021 12:06:58 PM



#75
 Fluoranthene
 Concen: 19.131 ng
 RT: 12.568 min Scan# 1782
 Delta R.T. 0.006 min
 Lab File: BF125868.D
 Acq: 15 Oct 2021 18:05

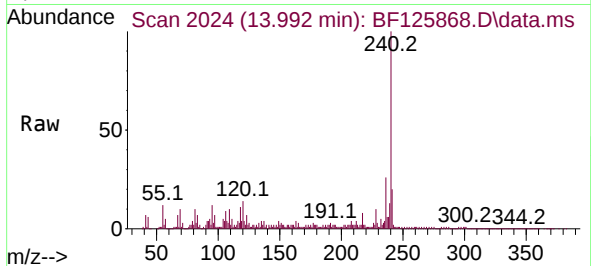
Tgt Ion:202 Resp: 383255
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 30.7
 203 19.5 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF125868.D
Acq: 15 Oct 2021 18:05

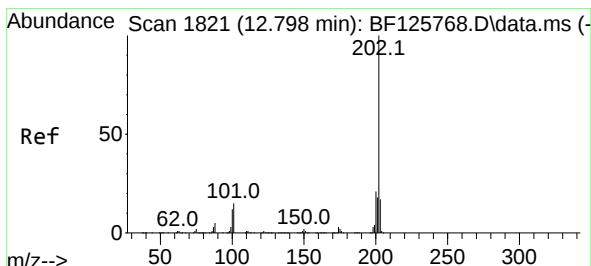
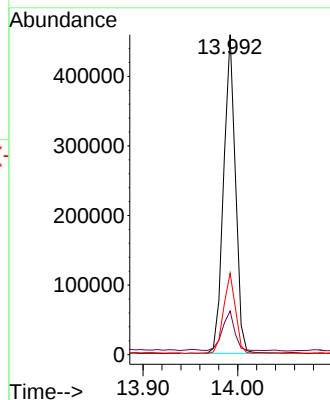
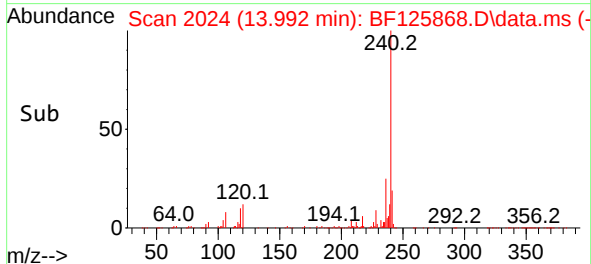
Instrument :
BNA_F
ClientSampleId :
T5-COMP-(1-4)



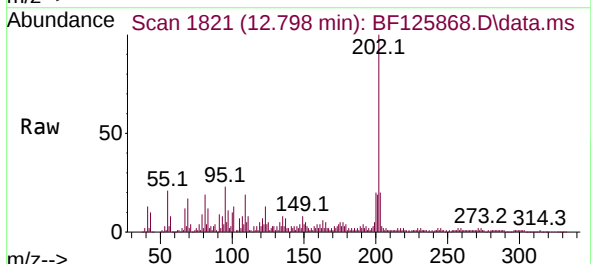
Tgt Ion:240 Resp: 399089
Ion Ratio Lower Upper
240 100
120 13.6 10.8 16.2
236 25.5 21.6 32.4

Manual Integrations
APPROVED

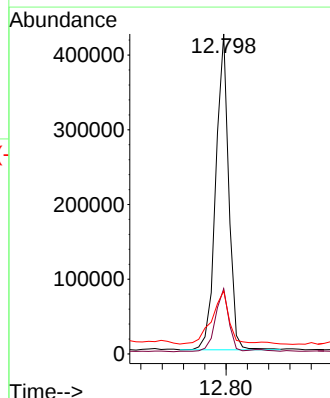
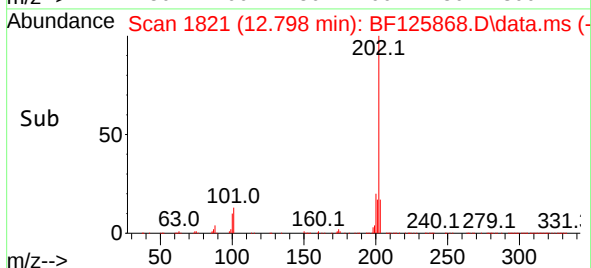
mohammad
10/19/2021 12:06:58 PM

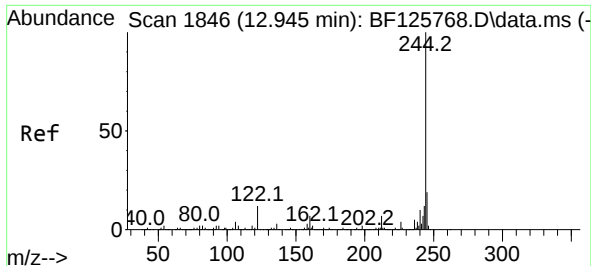


#78
Pyrene
Concen: 8.807 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.006 min
Lab File: BF125868.D
Acq: 15 Oct 2021 18:05



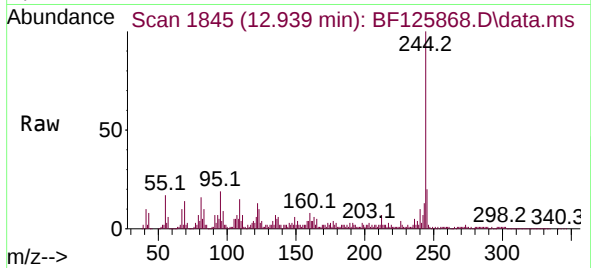
Tgt Ion:202 Resp: 357077
Ion Ratio Lower Upper
202 100
200 20.4 15.3 22.9
203 19.7 13.4 20.0





#79
 Terphenyl-d14
 Concen: 16.804 ng
 RT: 12.939 min Scan# 1845
 Delta R.T. 0.006 min
 Lab File: BF125868.D
 Acq: 15 Oct 2021 18:05

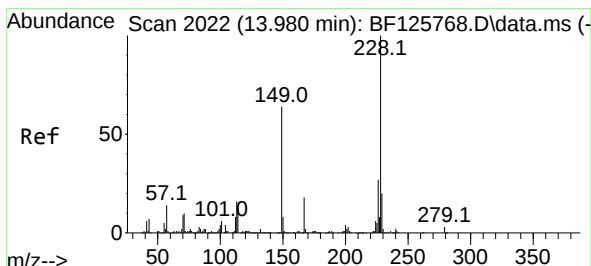
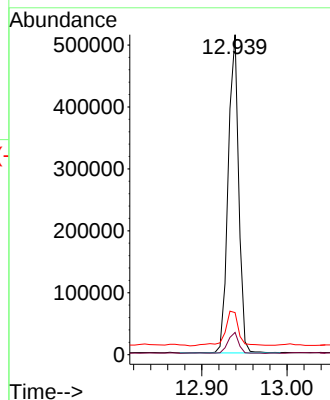
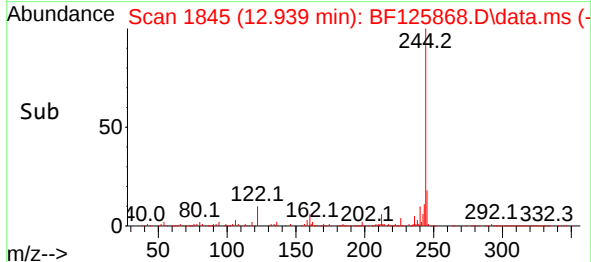
Instrument :
 BNA_F
 ClientSampleId :
 T5-COMP-(1-4)



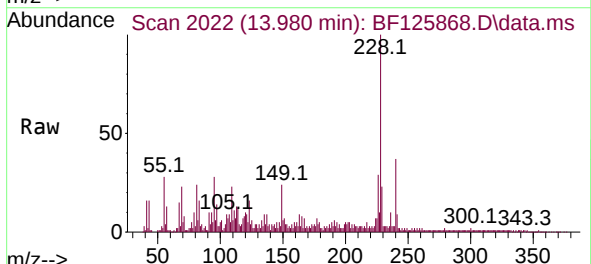
Tgt Ion:244 Resp: 440253
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 13.2 9.0 13.4

Manual Integrations
 APPROVED

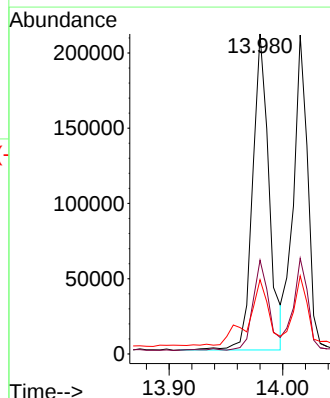
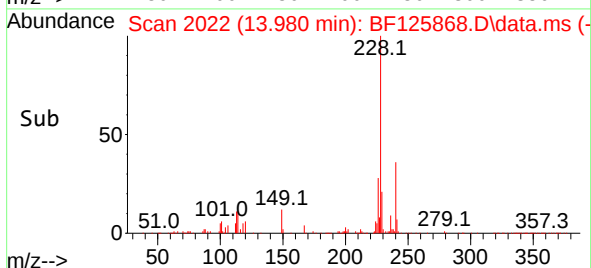
mohammad
 10/19/2021 12:06:58 PM

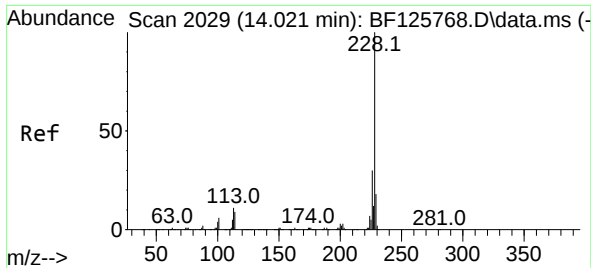


#81
 Benzo(a)anthracene
 Concen: 8.158 ng
 RT: 13.980 min Scan# 2022
 Delta R.T. 0.006 min
 Lab File: BF125868.D
 Acq: 15 Oct 2021 18:05



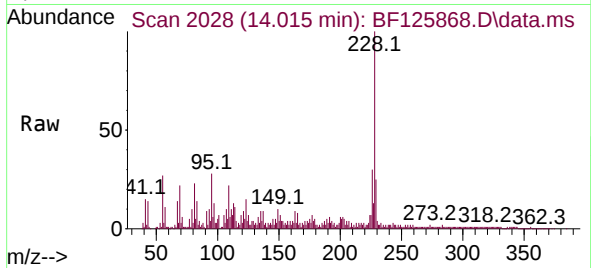
Tgt Ion:228 Resp: 211221
 Ion Ratio Lower Upper
 228 100
 226 29.3 21.6 32.4
 229 23.2 15.6 23.4





#83
Chrysene
Concen: 7.128 ng m
RT: 14.015 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF125868.D
Acq: 15 Oct 2021 18:05

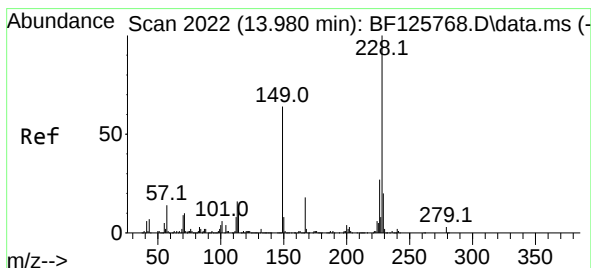
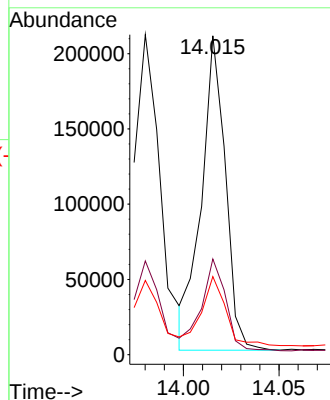
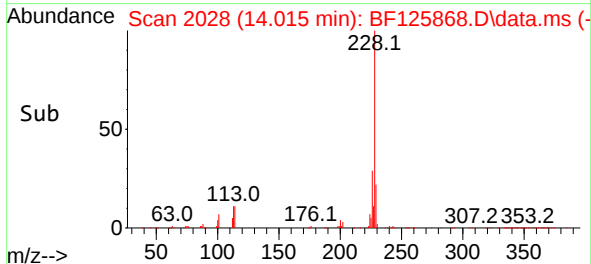
Instrument :
BNA_F
ClientSampleId :
T5-COMP-(1-4)



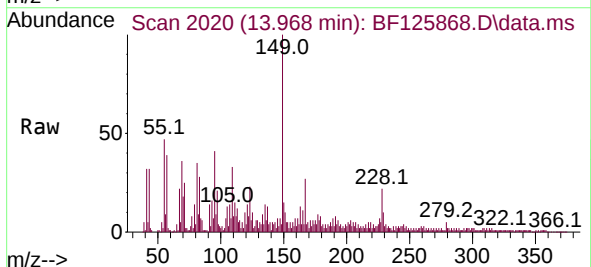
Tgt Ion:228 Resp: 182420
Ion Ratio Lower Upper
228 100
226 30.0 22.6 34.0
229 24.5 15.9 23.9#

Manual Integrations
APPROVED

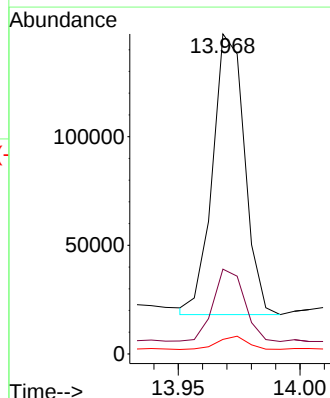
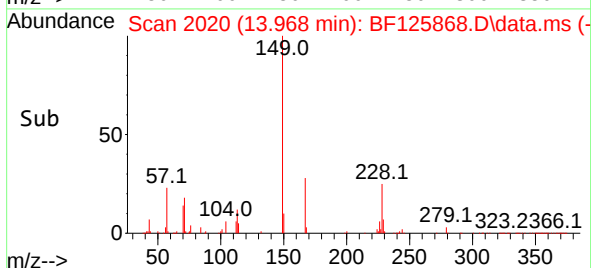
mohammad
10/19/2021 12:06:58 PM

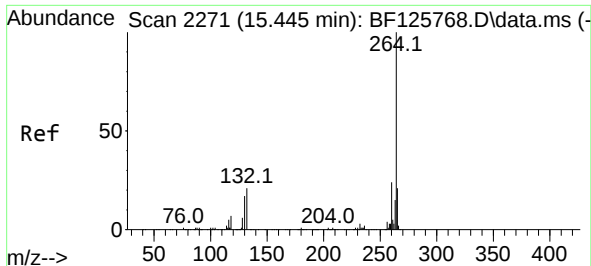


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.361 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF125868.D
Acq: 15 Oct 2021 18:05



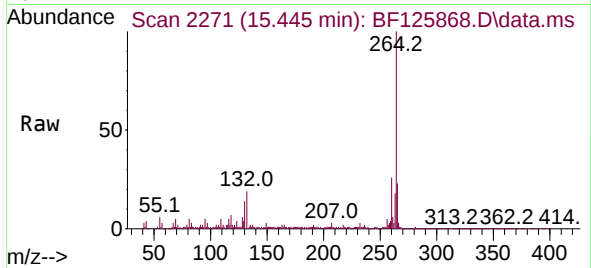
Tgt Ion:149 Resp: 118227
Ion Ratio Lower Upper
149 100
167 26.5 21.4 32.0
279 4.6 2.6 4.0#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF125868.D
Acq: 15 Oct 2021 18:05

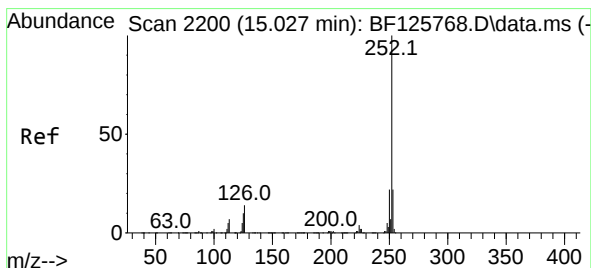
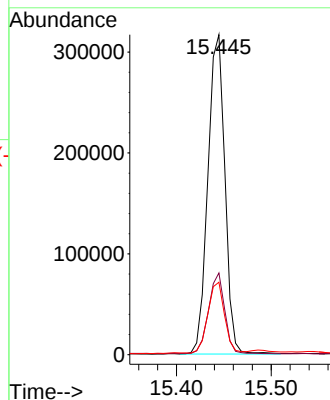
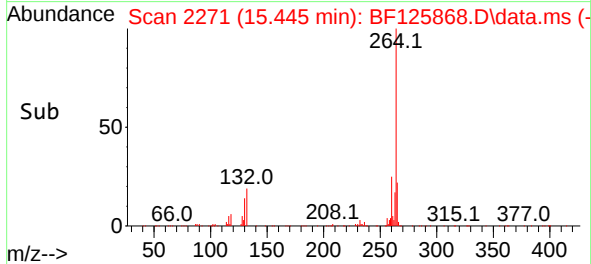
Instrument :
BNA_F
ClientSampleId :
T5-COMP-(1-4)



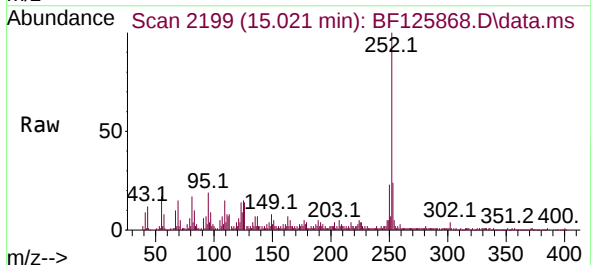
Tgt Ion:264 Resp: 396392
Ion Ratio Lower Upper
264 100
260 25.6 19.6 29.4
265 22.6 17.2 25.8

Manual Integrations
APPROVED

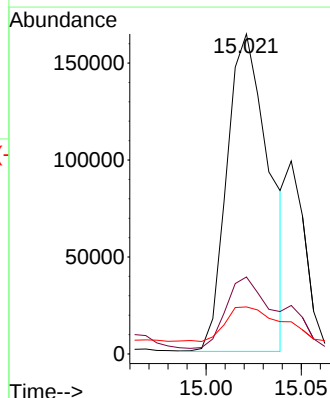
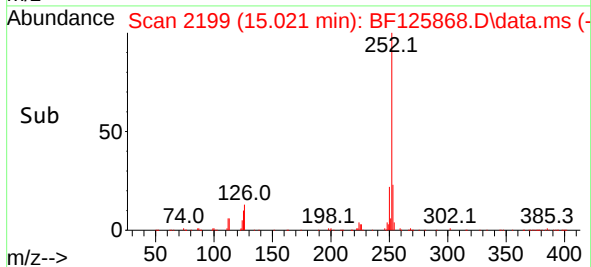
mohammad
10/19/2021 12:06:58 PM

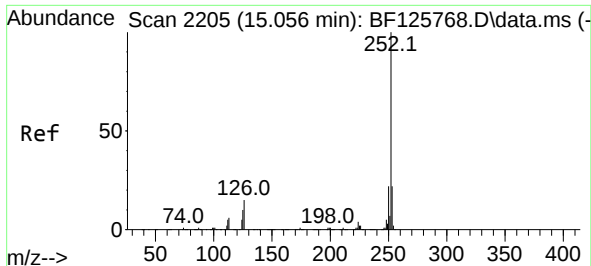


#88
Benzo(b)fluoranthene
Concen: 11.258 ng m
RT: 15.021 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF125868.D
Acq: 15 Oct 2021 18:05

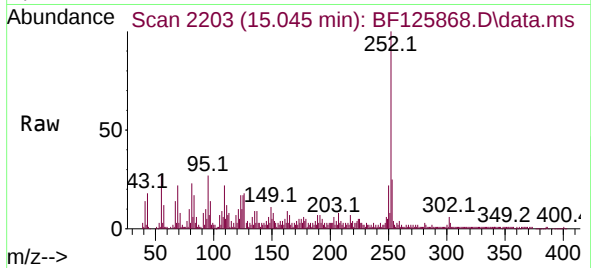


Tgt Ion:252 Resp: 251942
Ion Ratio Lower Upper
252 100
253 24.0 16.8 25.2
125 14.7 9.8 14.8

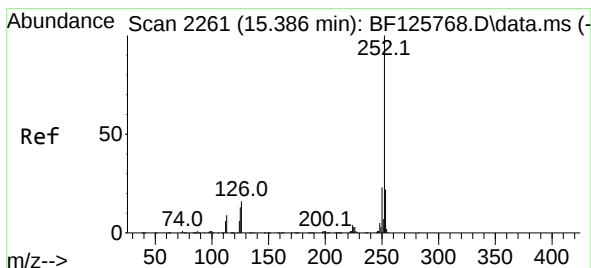
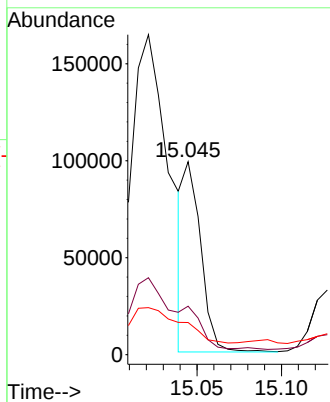
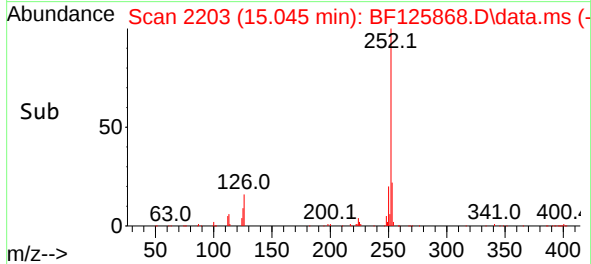




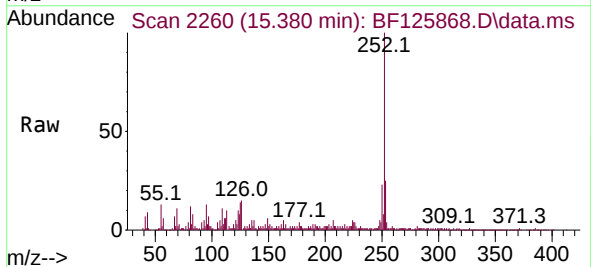
#89
Benzo(k)fluoranthene
Concen: 3.018 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BF125868.D
Acq: 15 Oct 2021 18:05



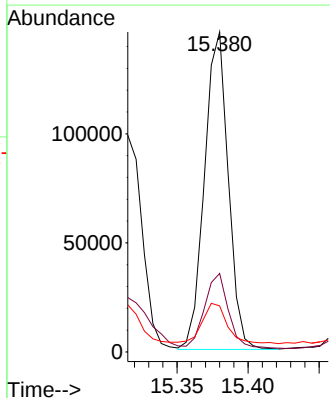
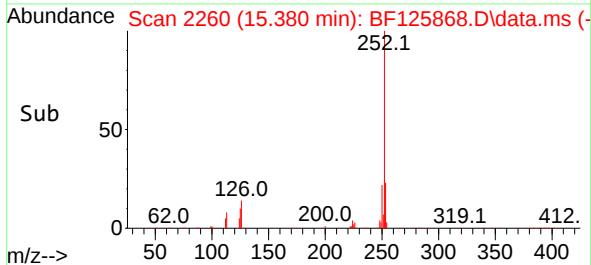
Tgt Ion:252 Resp: 69353
Ion Ratio Lower Upper
252 100
253 25.1 17.8 26.8
125 16.7 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 8.565 ng
RT: 15.380 min Scan# 2260
Delta R.T. 0.006 min
Lab File: BF125868.D
Acq: 15 Oct 2021 18:05



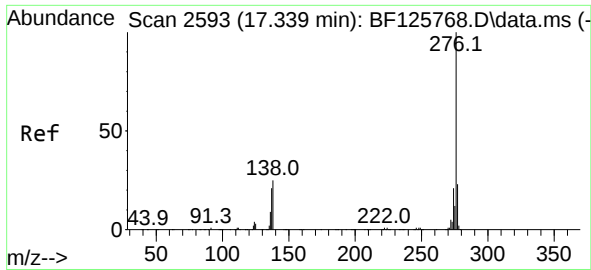
Tgt Ion:252 Resp: 169742
Ion Ratio Lower Upper
252 100
253 24.5 18.4 27.6
125 14.4 9.9 14.9



Instrument :
BNA_F
ClientSampleId :
T5-COMP-(1-4)

Manual Integrations
APPROVED

mohammad
10/19/2021 12:06:58 PM



#92
Benzo(g,h,i)perylene
Concen: 2.979 ng
RT: 17.309 min Scan# 2588
Delta R.T. -0.012 min
Lab File: BF125868.D
Acq: 15 Oct 2021 18:05

Tgt Ion:	276	Resp:	75924
Ion Ratio	Lower	Upper	
276	100		
277	26.1	22.0	33.0
138	27.3	22.2	33.4

Instrument :
BNA_F
ClientSampleId :
T5-COMP-(1-4)

Manual Integrations
APPROVED

mohammad
10/19/2021 12:06:58 PM

