

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090721\
 Data File : BF125395.D
 Acq On : 7 Sep 2021 19:12
 Operator : JU/CG
 Sample : M3657-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-72-11944

Manual Integrations
 APPROVED

mohammad
 9/9/2021 11:50:59 AM

Quant Time: Sep 08 12:21:14 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 03 11:56:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	140169	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	506525	20.000	ng	# 0.00
39) Acenaphthene-d10	9.933	164	224451	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	350428	20.000	ng	0.00
76) Chrysene-d12	14.068	240	335898	20.000	ng	# 0.00
86) Perylene-d12	15.563	264	346825	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	689717	74.478	ng	0.01
7) Phenol-d6	6.545	99	838839	70.038	ng	0.01
23) Nitrobenzene-d5	7.457	82	540106	53.682	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	174870	78.049	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	890793	55.314	ng	0.00
79) Terphenyl-d14	13.004	244	874768	41.488	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	63262	3.276	ng	98
75) Fluoranthene	12.639	202	208111	10.862	ng	97
78) Pyrene	12.869	202	237900	8.257	ng	98
81) Benzo(a)anthracene	14.057	228	159918m	6.608	ng	
83) Chrysene	14.092	228	174666	7.298	ng	98
87) Indeno(1,2,3-cd)pyrene	17.062	276	79538	3.183	ng	# 87
88) Benzo(b)fluoranthene	15.121	252	249352m	9.841	ng	
89) Benzo(k)fluoranthene	15.145	252	66007m	2.792	ng	
90) Benzo(a)pyrene	15.492	252	162193m	7.247	ng	
92) Benzo(g,h,i)perylene	17.521	276	76173	3.658	ng	92

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

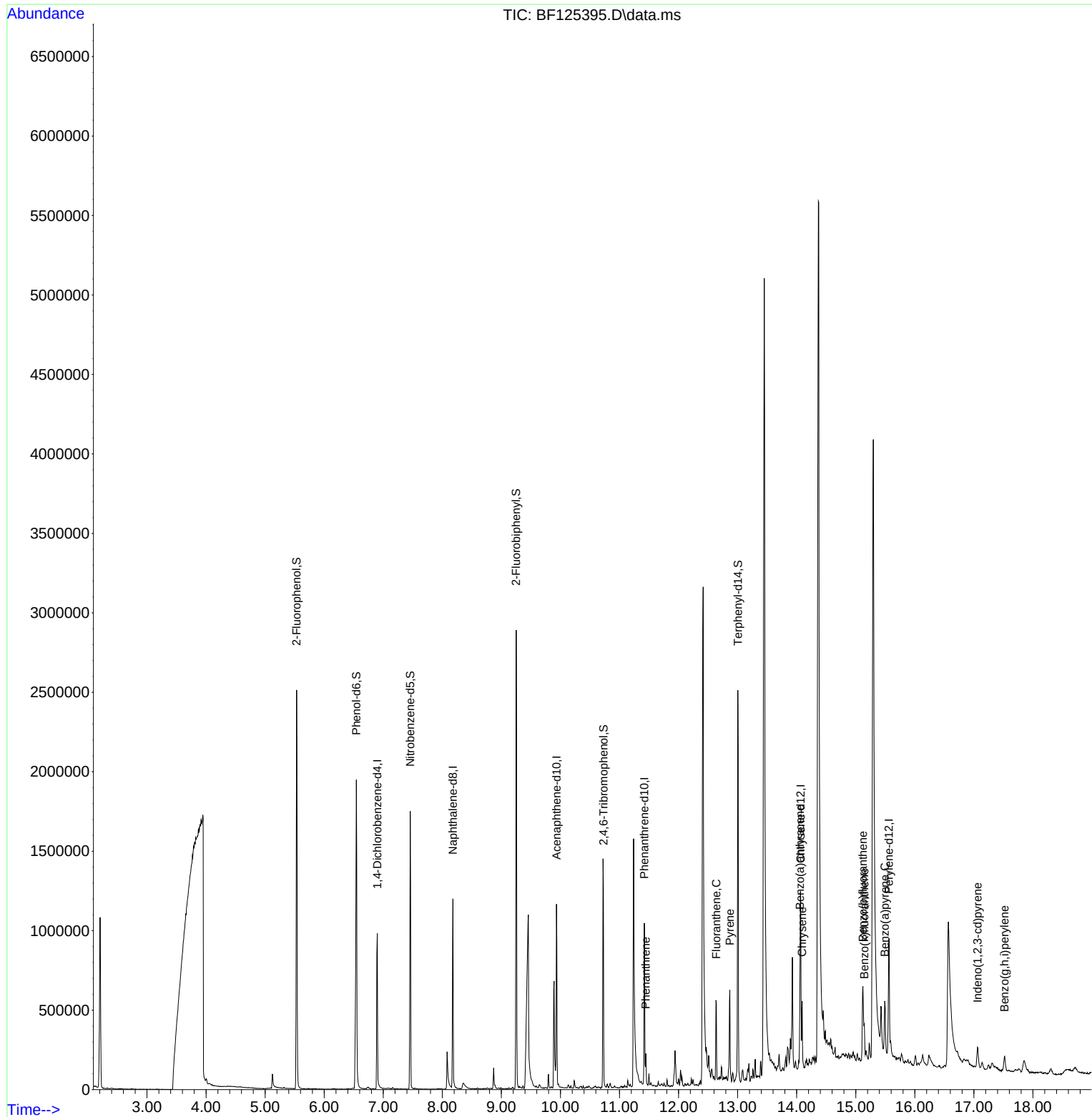
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090721\
Data File : BF125395.D
Acq On : 7 Sep 2021 19:12
Operator : JU/CG
Sample : M3657-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

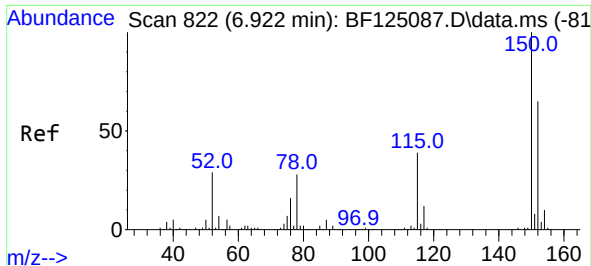
Instrument :
BNA_F
ClientSampleID :
RO-72-11944

Manual Integrations
APPROVED

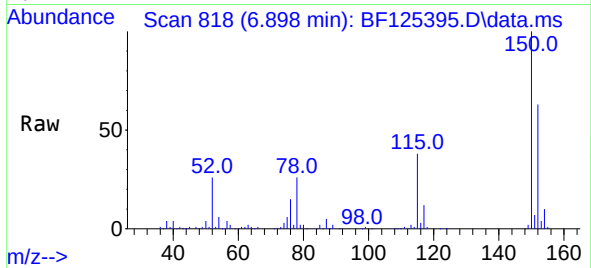
mohammad
9/9/2021 11:50:59 AM

Quant Time: Sep 08 12:21:14 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 03 11:56:34 2021
Response via : Initial Calibration

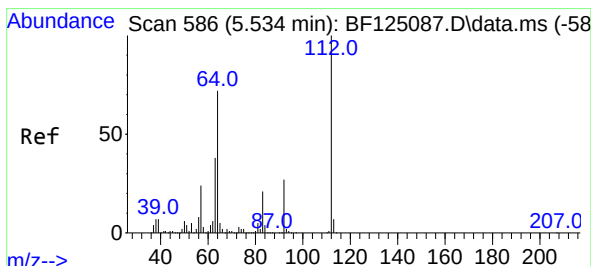
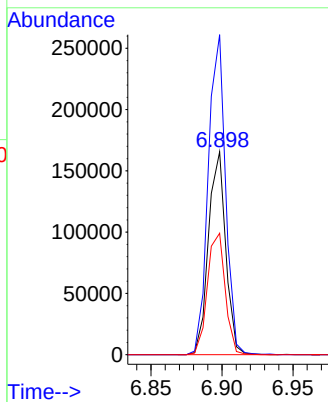
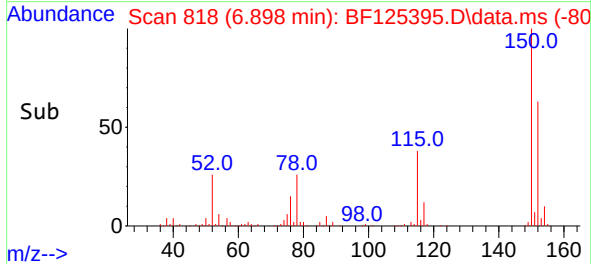




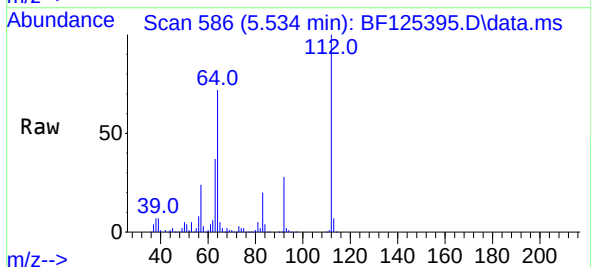
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 818
Delta R.T. 0.000 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12



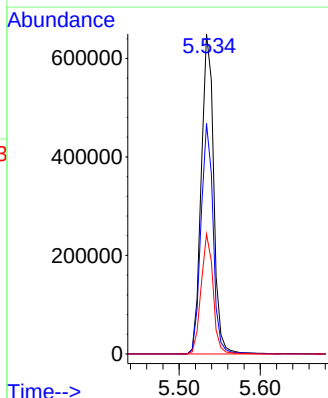
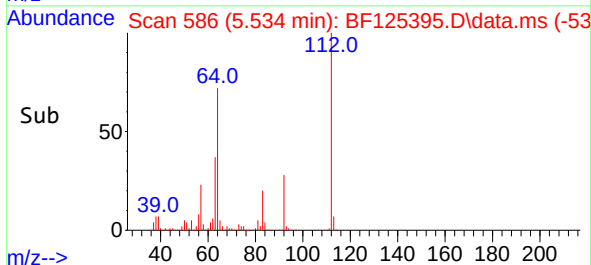
Tgt Ion:152 Resp: 140169
Ion Ratio Lower Upper
152 100
150 157.7 117.6 176.4
115 59.8 47.1 70.7



#5
2-Fluorophenol
Concen: 74.478 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.012 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12



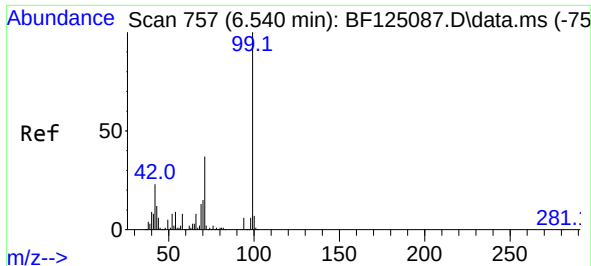
Tgt Ion:112 Resp: 689717
Ion Ratio Lower Upper
112 100
64 72.0 44.2 66.2#
63 37.5 26.2 39.2



Instrument :
BNA_F
ClientSampled :
RO-72-11944

Manual Integrations
APPROVED

mohammad
9/9/2021 11:50:59 AM



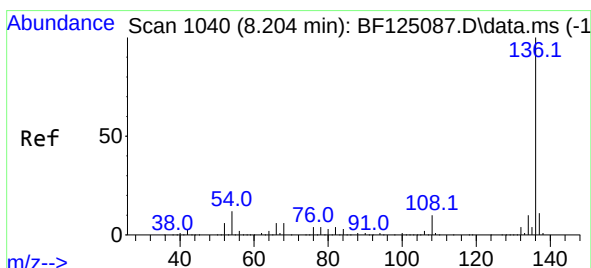
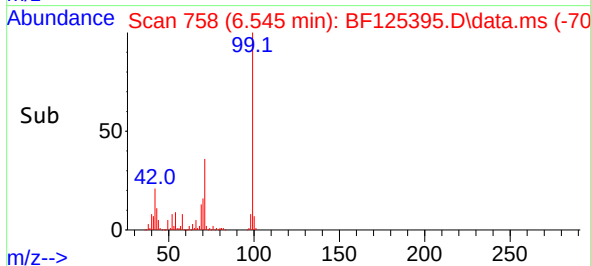
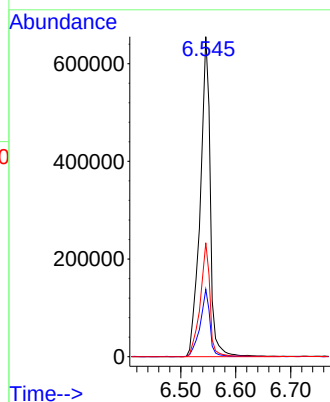
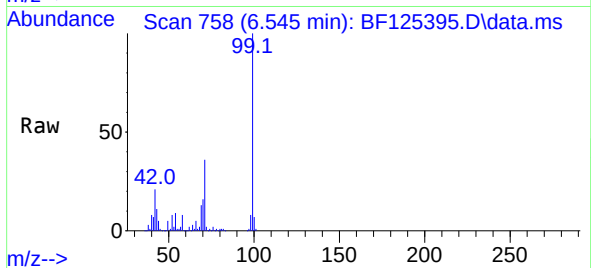
#7
Phenol-d6
Concen: 70.038 ng
RT: 6.545 min Scan# 758
Delta R.T. 0.012 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12

Tgt Ion: 99 Resp: 838839
Ion Ratio Lower Upper
99 100
42 21.1 23.5 35.3#
71 35.6 25.6 38.4

Instrument :
BNA_F
ClientSampleId :
RO-72-11944

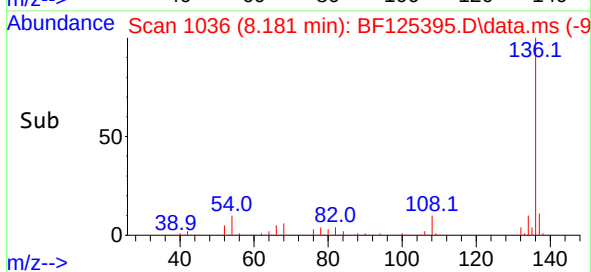
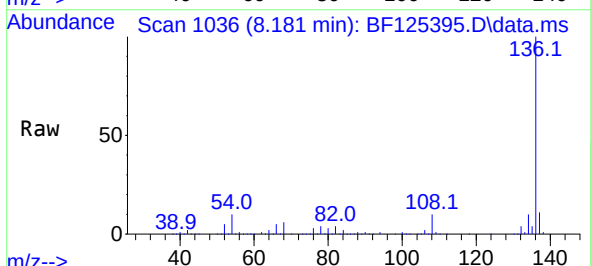
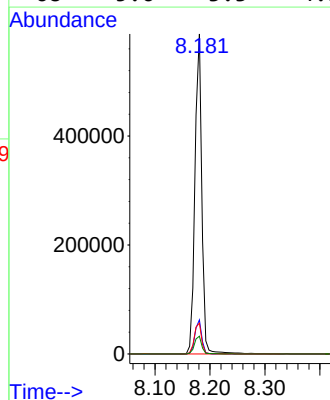
Manual Integrations
APPROVED

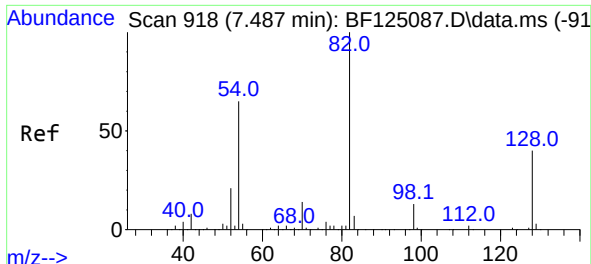
mohammad
9/9/2021 11:50:59 AM



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12

Tgt Ion: 136 Resp: 506525
Ion Ratio Lower Upper
136 100
137 10.7 9.8 14.6
54 9.7 6.4 9.6#
68 5.6 3.3 4.9#





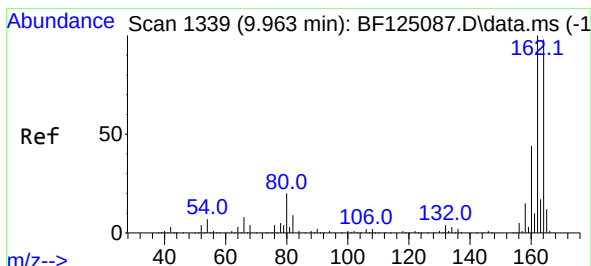
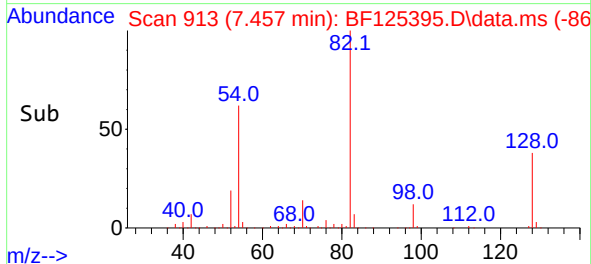
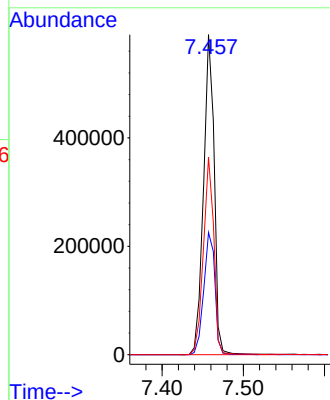
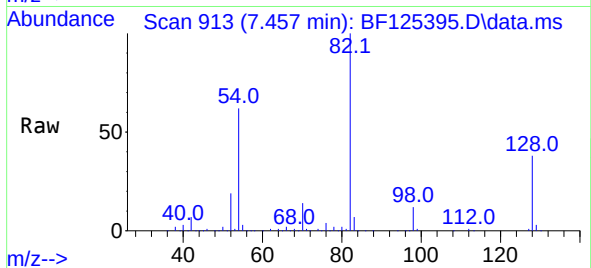
#23
Nitrobenzene-d5
Concen: 53.682 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12

Tgt Ion: 82 Resp: 540106
Ion Ratio Lower Upper
82 100
128 38.2 40.6 60.8#
54 61.7 49.6 74.4

Instrument :
BNA_F
ClientSampled :
RO-72-11944

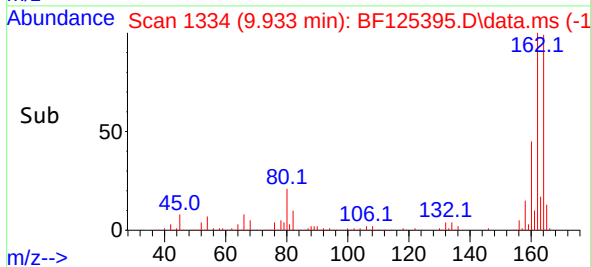
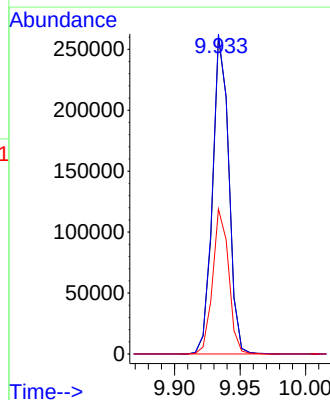
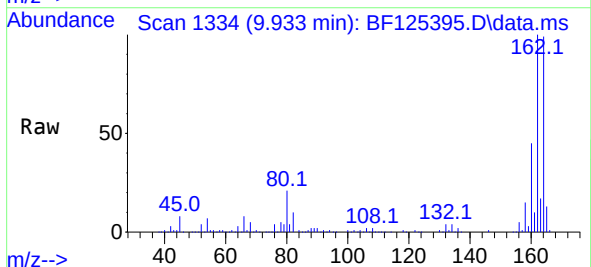
Manual Integrations
APPROVED

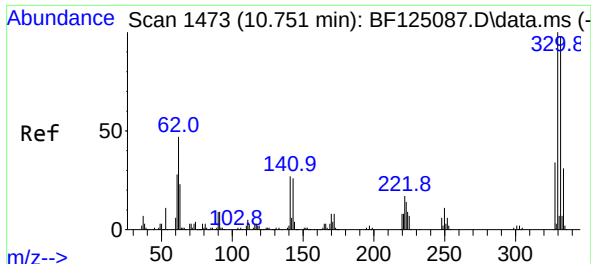
mohammad
9/9/2021 11:50:59 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12

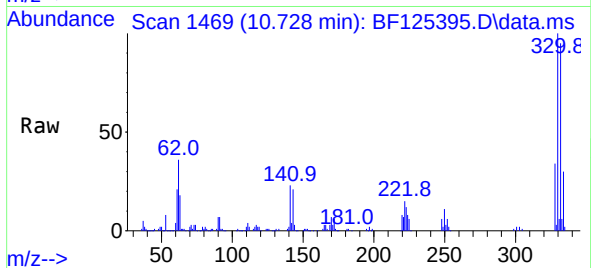
Tgt Ion:164 Resp: 224451
Ion Ratio Lower Upper
164 100
162 101.0 81.3 121.9
160 45.7 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 78.049 ng
RT: 10.728 min Scan# 1469
Delta R.T. -0.006 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12

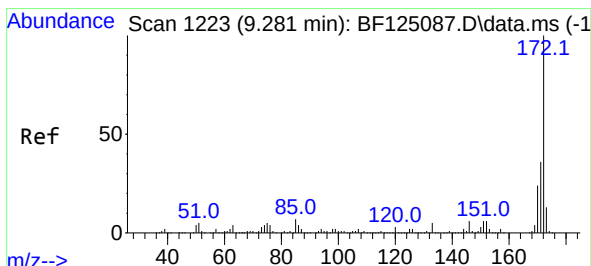
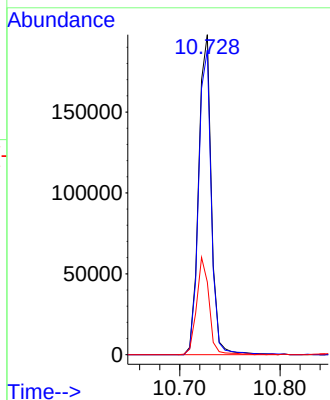
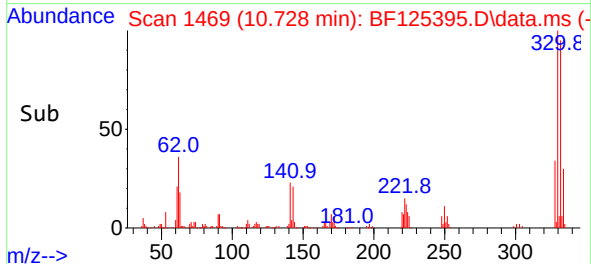
Instrument :
BNA_F
ClientSampled :
RO-72-11944



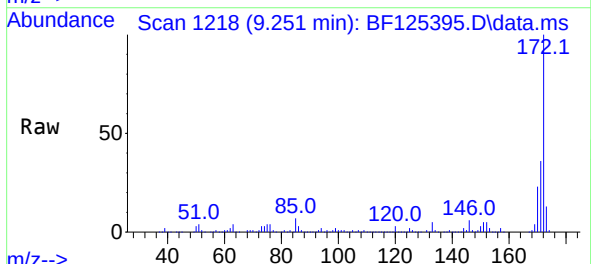
Tgt Ion:330 Resp: 174870
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 29.9 44.6 66.8#

Manual Integrations
APPROVED

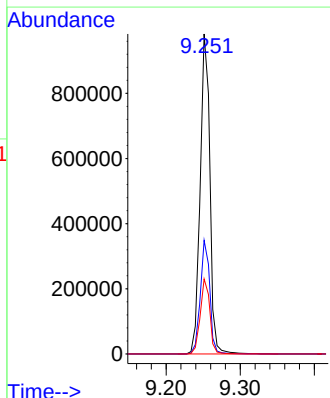
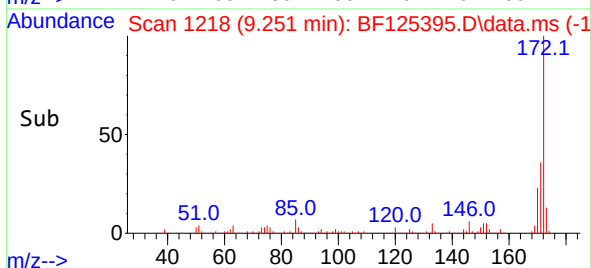
mohammad
9/9/2021 11:50:59 AM

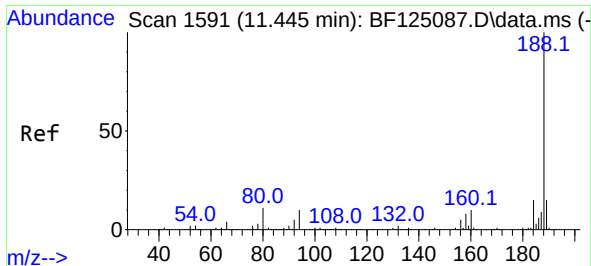


#45
2-Fluorobiphenyl
Concen: 55.314 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12



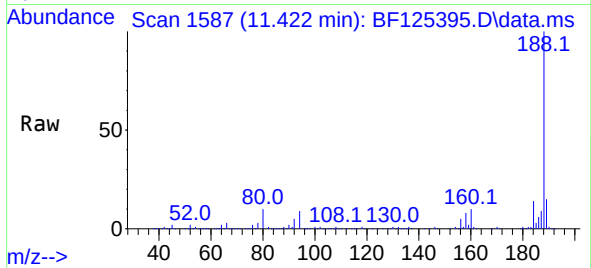
Tgt Ion:172 Resp: 890793
Ion Ratio Lower Upper
172 100
171 35.5 26.5 39.7
170 23.5 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12

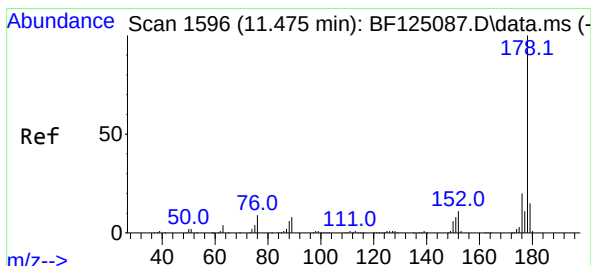
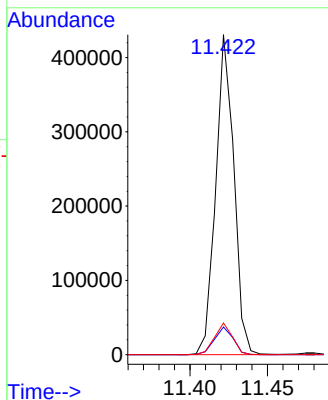
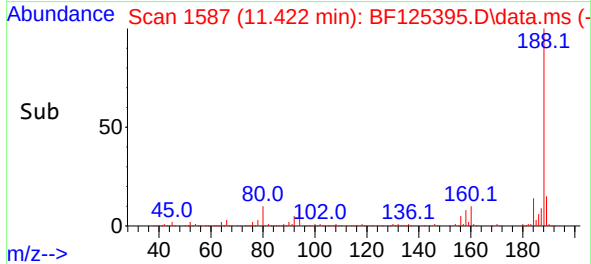
Instrument :
BNA_F
ClientSampled :
RO-72-11944



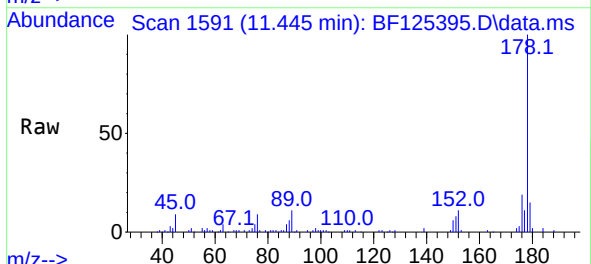
Tgt Ion:188 Resp: 350428
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 9.9 7.5 11.3

Manual Integrations
APPROVED

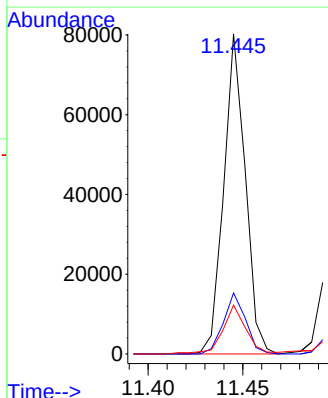
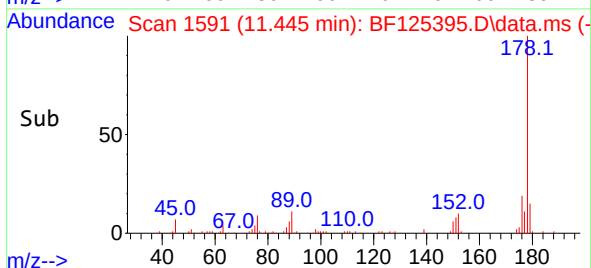
mohammad
9/9/2021 11:50:59 AM

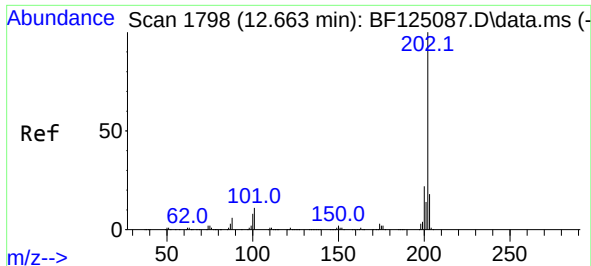


#71
Phenanthrene
Concen: 3.276 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.006 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12



Tgt Ion:178 Resp: 63262
Ion Ratio Lower Upper
178 100
176 19.1 14.7 22.1
179 15.2 11.5 17.3





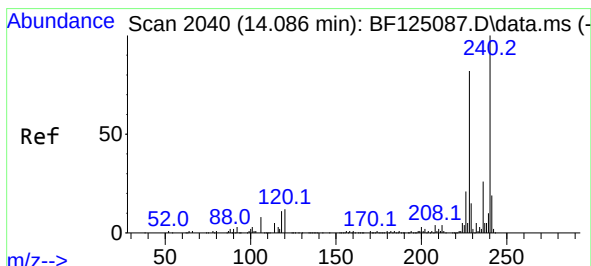
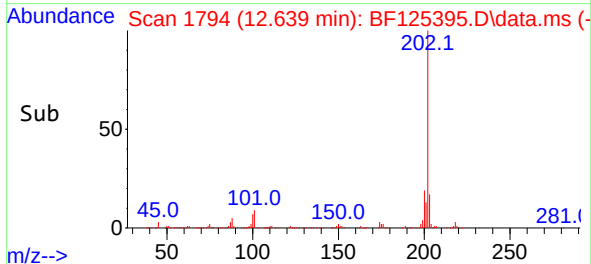
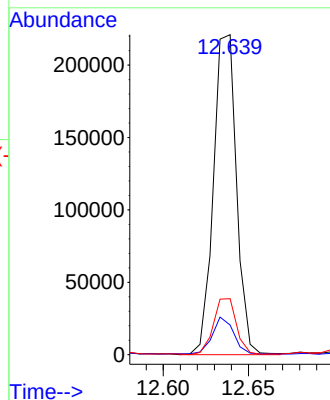
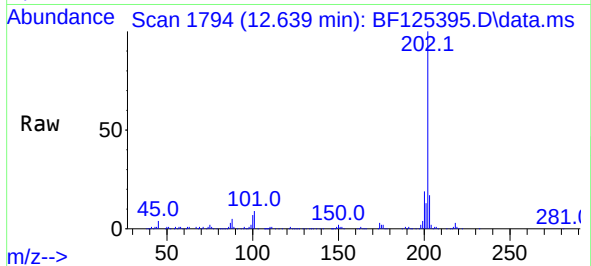
#75
Fluoranthene
Concen: 10.862 ng
RT: 12.639 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12

Tgt Ion:202 Resp: 208111
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.7
203 17.5 0.0 36.3

Instrument :
BNA_F
ClientSampled :
RO-72-11944

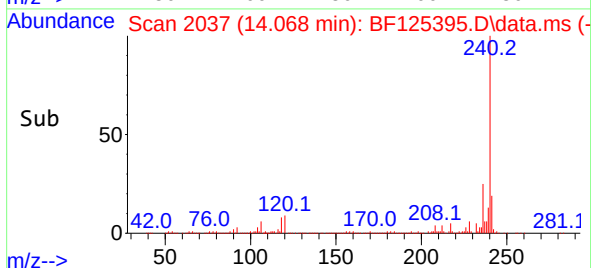
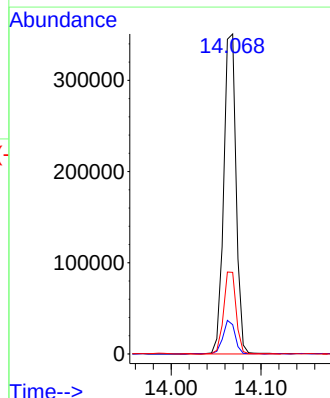
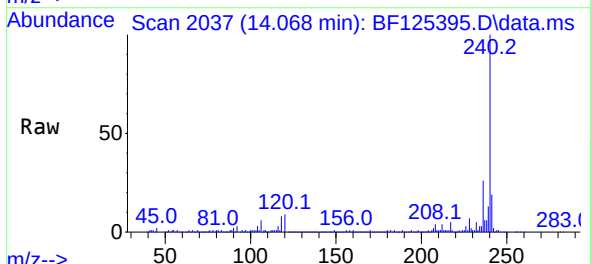
Manual Integrations
APPROVED

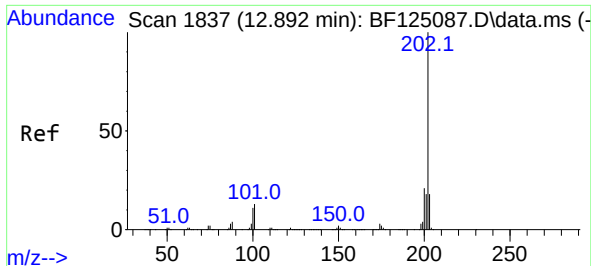
mohammad
9/9/2021 11:50:59 AM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12

Tgt Ion:240 Resp: 335898
Ion Ratio Lower Upper
240 100
120 9.2 10.8 16.2#
236 25.5 21.6 32.4





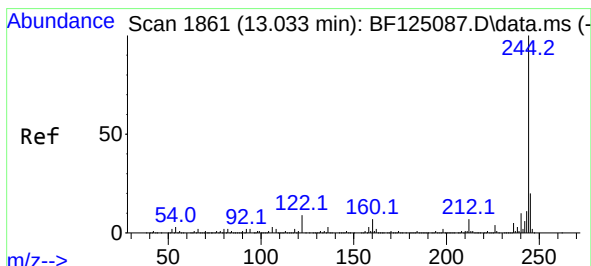
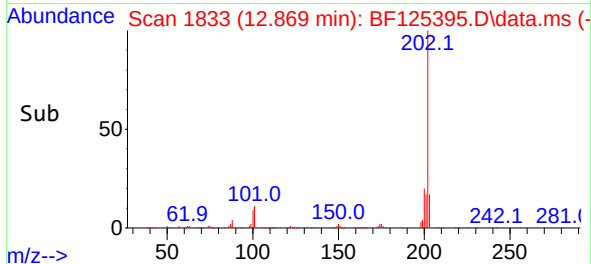
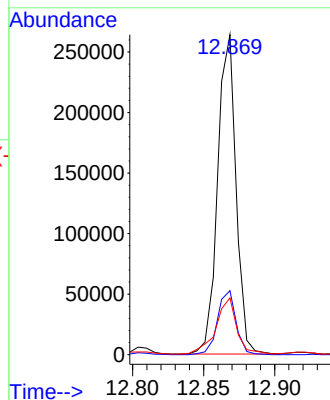
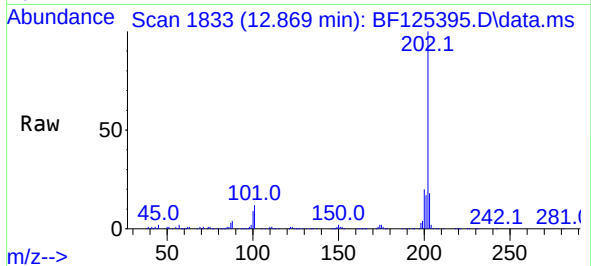
#78
Pyrene
Concen: 8.257 ng
RT: 12.869 min Scan# 1833
Delta R.T. -0.006 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12

Tgt Ion:	202	Resp:	237900
Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.3	22.9
203	17.7	13.4	20.0

Instrument :
BNA_F
ClientSampled :
RO-72-11944

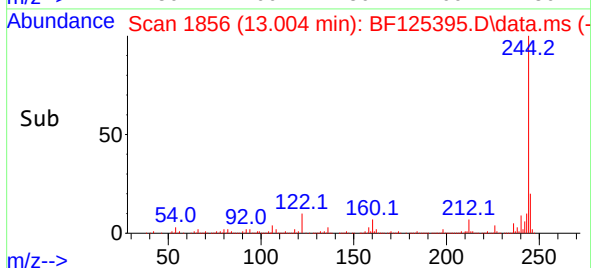
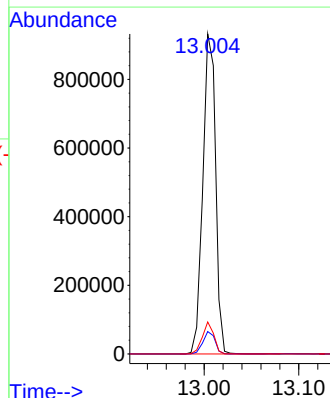
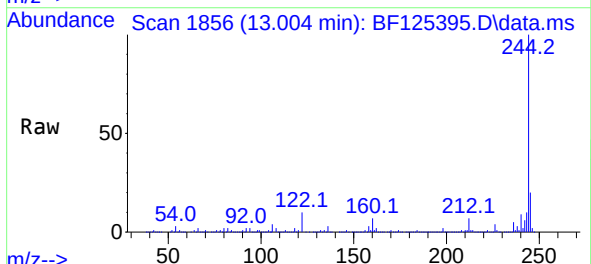
Manual Integrations
APPROVED

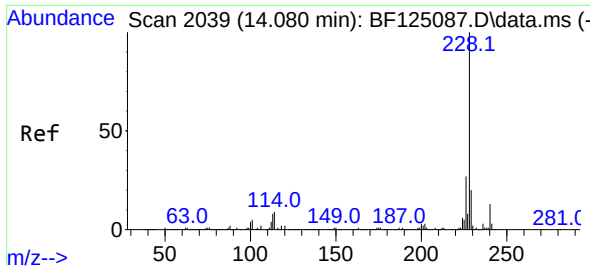
mohammad
9/9/2021 11:50:59 AM



#79
Terphenyl-d14
Concen: 41.488 ng
RT: 13.004 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12

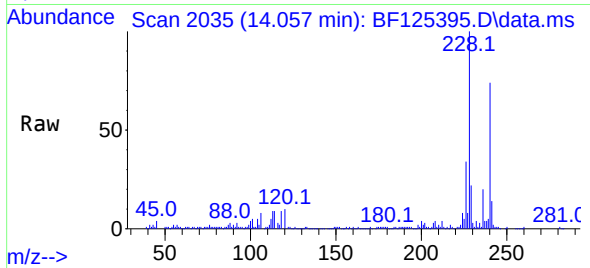
Tgt Ion:	244	Resp:	874768
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	10.0	9.0	13.4





#81
Benzo(a)anthracene
Concen: 6.608 ng m
RT: 14.057 min Scan# 2035
Delta R.T. 0.000 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12

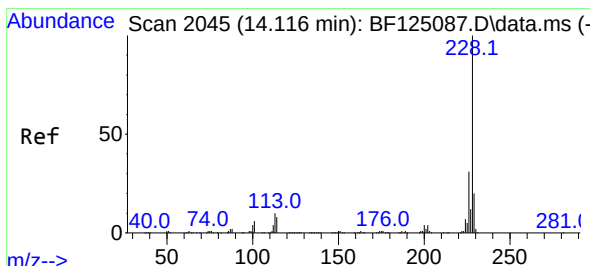
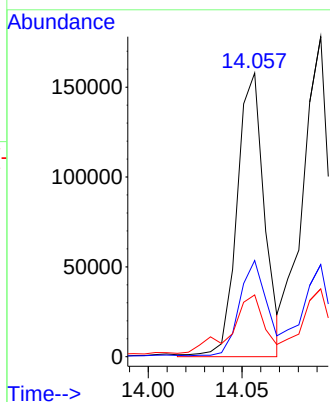
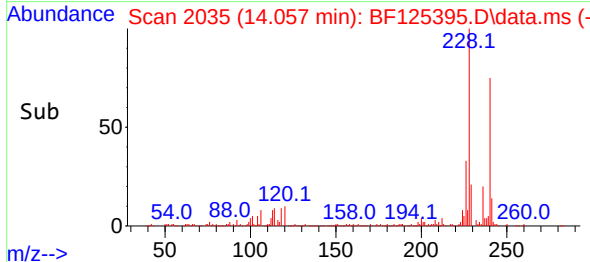
Instrument :
BNA_F
ClientSampled :
RO-72-11944



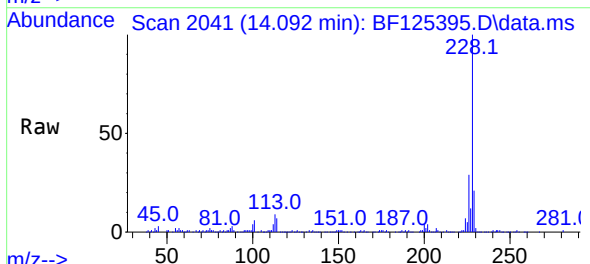
Tgt Ion:228 Resp: 159918
Ion Ratio Lower Upper
228 100
226 33.9 21.6 32.4#
229 21.8 15.6 23.4

Manual Integrations
APPROVED

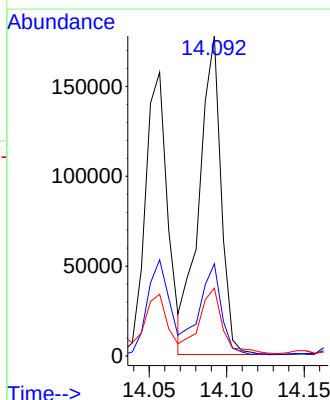
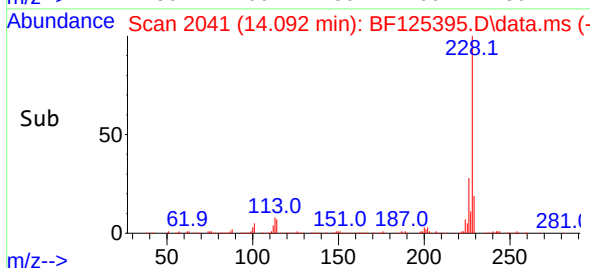
mohammad
9/9/2021 11:50:59 AM

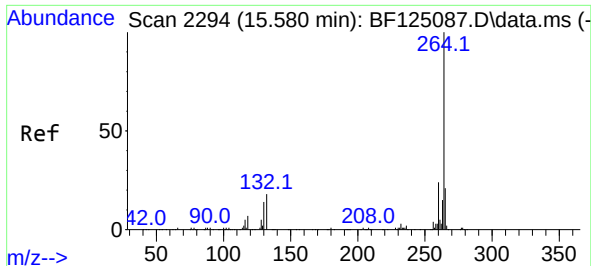


#83
Chrysene
Concen: 7.298 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12



Tgt Ion:228 Resp: 174666
Ion Ratio Lower Upper
228 100
226 28.8 22.6 34.0
229 21.2 15.9 23.9





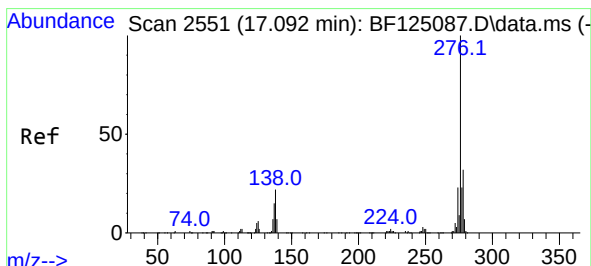
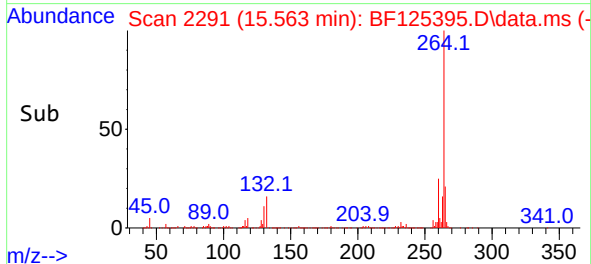
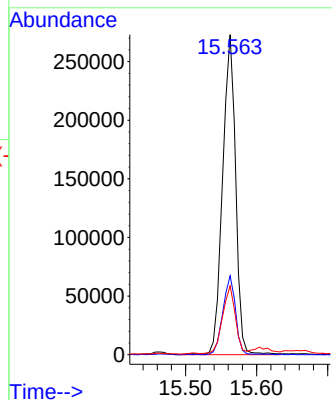
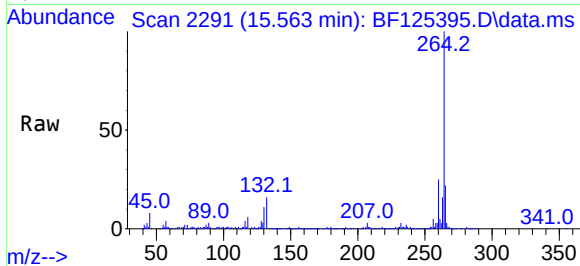
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2291
Delta R.T. 0.006 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12

Tgt Ion:264	Resp:	346825
Ion Ratio	Lower	Upper
264	100	
260	24.7	19.6 29.4
265	21.5	17.2 25.8

Instrument :
BNA_F
ClientSampled :
RO-72-11944

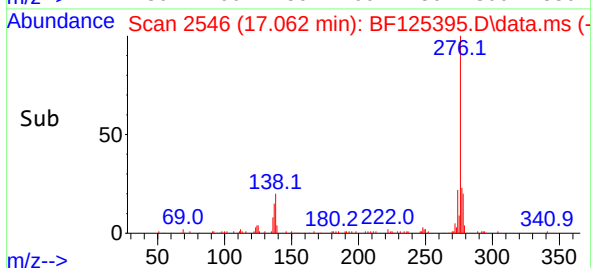
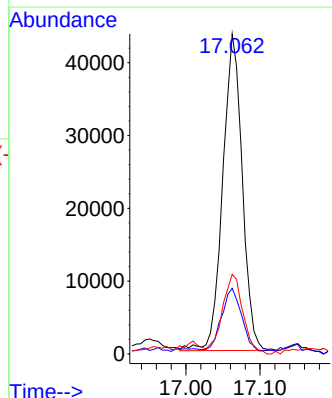
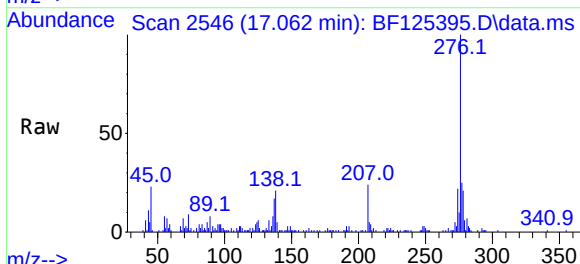
Manual Integrations
APPROVED

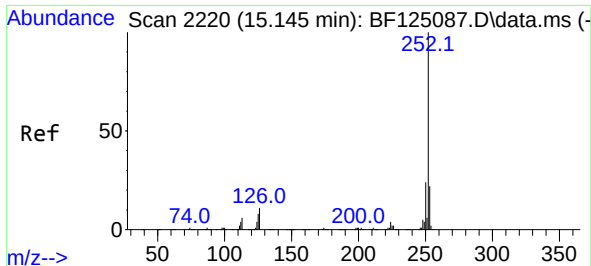
mohammad
9/9/2021 11:50:59 AM



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.183 ng
RT: 17.062 min Scan# 2546
Delta R.T. -0.012 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12

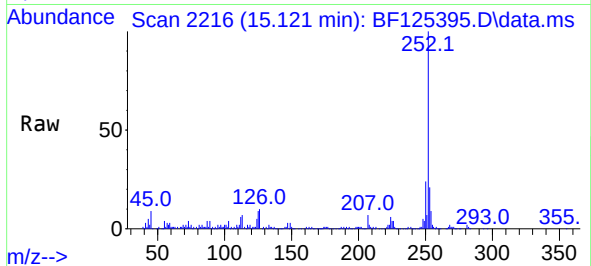
Tgt Ion:276	Resp:	79538
Ion Ratio	Lower	Upper
276	100	
138	20.3	24.1 36.1#
277	26.3	18.8 28.2





#88
Benzo(b)fluoranthene
Concen: 9.841 ng m
RT: 15.121 min Scan# 2216
Delta R.T. 0.000 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12

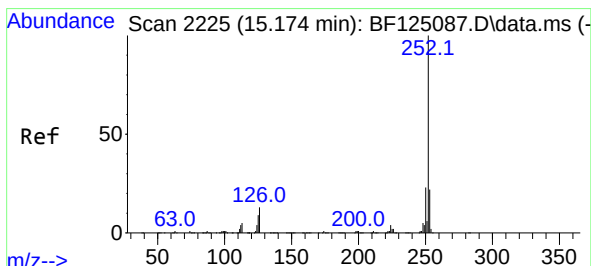
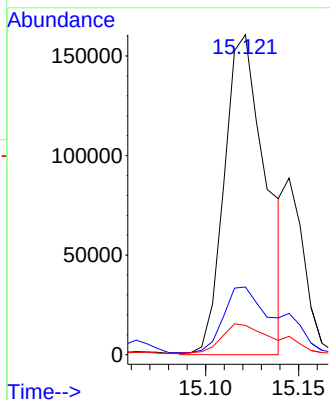
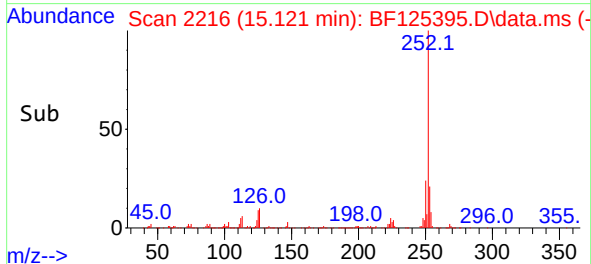
Instrument :
BNA_F
ClientSampled :
RO-72-11944



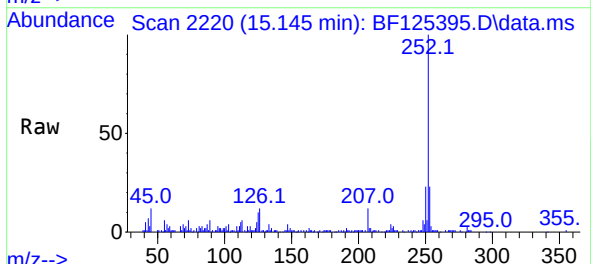
Tgt Ion:252 Resp: 249352
Ion Ratio Lower Upper
252 100
253 21.2 16.8 25.2
125 9.2 9.8 14.8#

Manual Integrations
APPROVED

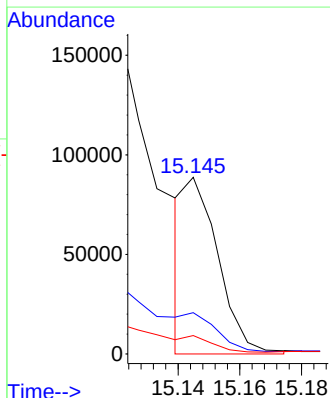
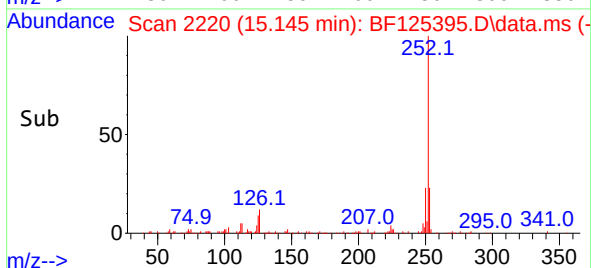
mohammad
9/9/2021 11:50:59 AM

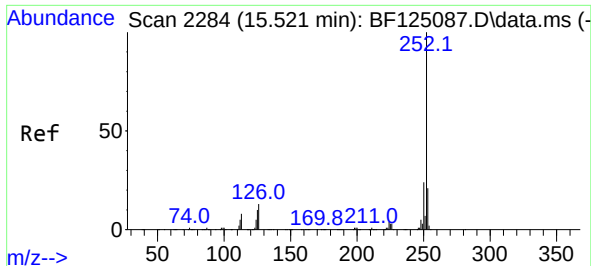


#89
Benzo(k)fluoranthene
Concen: 2.792 ng m
RT: 15.145 min Scan# 2220
Delta R.T. -0.006 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12



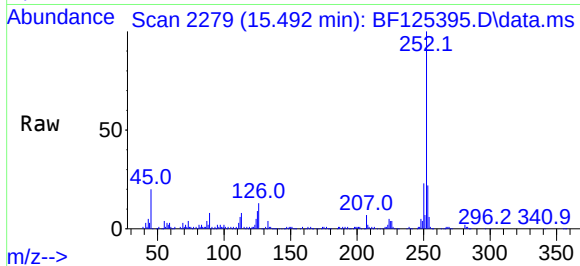
Tgt Ion:252 Resp: 66007
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 10.4 7.2 10.8





#90
Benzo(a)pyrene
Concen: 7.247 ng m
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12

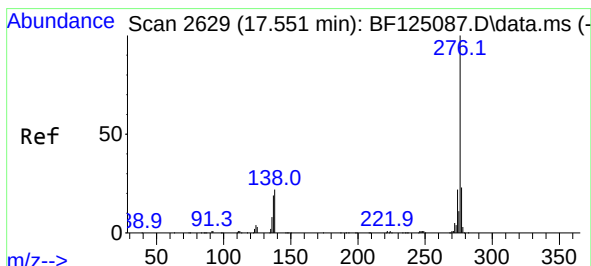
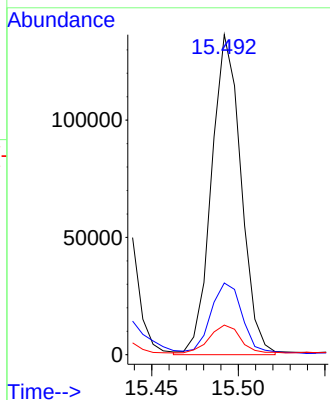
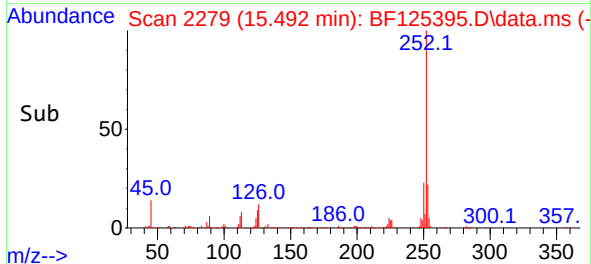
Instrument :
BNA_F
ClientSampleId :
RO-72-11944



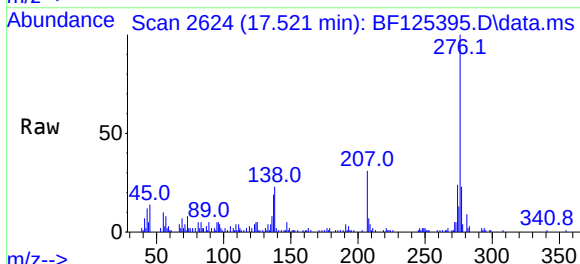
Tgt Ion:252 Resp: 162193
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 9.3 9.9 14.9#

Manual Integrations
APPROVED

mohammad
9/9/2021 11:50:59 AM



#92
Benzo(g,h,i)perylene
Concen: 3.658 ng
RT: 17.521 min Scan# 2624
Delta R.T. -0.012 min
Lab File: BF125395.D
Acq: 7 Sep 2021 19:12



Tgt Ion:276 Resp: 76173
Ion Ratio Lower Upper
276 100
277 23.2 22.0 33.0
138 23.3 22.2 33.4

