

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
 Data File : BF128732.D
 Acq On : 08 Jun 2022 13:31
 Operator : CG\JU
 Sample : N3197-03DL 20X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-4-060322DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/09/2022
 Supervised By : Jagrut Upadhyay 06/09/2022

Quant Time: Jun 08 14:30:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 14:28:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	72342	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	222270	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	104100	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	175878	20.000	ng	# 0.00
76) Chrysene-d12	13.986	240	178569	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	196195	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	31319	6.896	ng	0.00
7) Phenol-d6	6.480	99	43896	7.918	ng	0.00
23) Nitrobenzene-d5	7.369	82	28926	6.059	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	7153	5.815	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	43424	5.843	ng	0.00
79) Terphenyl-d14	12.921	244	43900	4.272	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.363	178	143091	16.220	ng	99
72) Anthracene	11.410	178	57453	6.580	ng	99
75) Fluoranthene	12.557	202	692728	75.123	ng	96
78) Pyrene	12.786	202	618195	46.532	ng	98
81) Benzo(a)anthracene	13.974	228	404636	36.353	ng	100
83) Chrysene	14.009	228	296534	27.944	ng	98
87) Indeno(1,2,3-cd)pyrene	16.897	276	225297	19.052	ng	# 86
88) Benzo(b)fluoranthene	15.027	252	494440m	39.440	ng	
89) Benzo(k)fluoranthene	15.051	252	181836m	15.419	ng	
90) Benzo(a)pyrene	15.386	252	383288m	38.899	ng	
91) Dibenzo(a,h)anthracene	16.903	278	50328m	5.131	ng	
92) Benzo(g,h,i)perylene	17.339	276	195109	20.070	ng	# 91

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

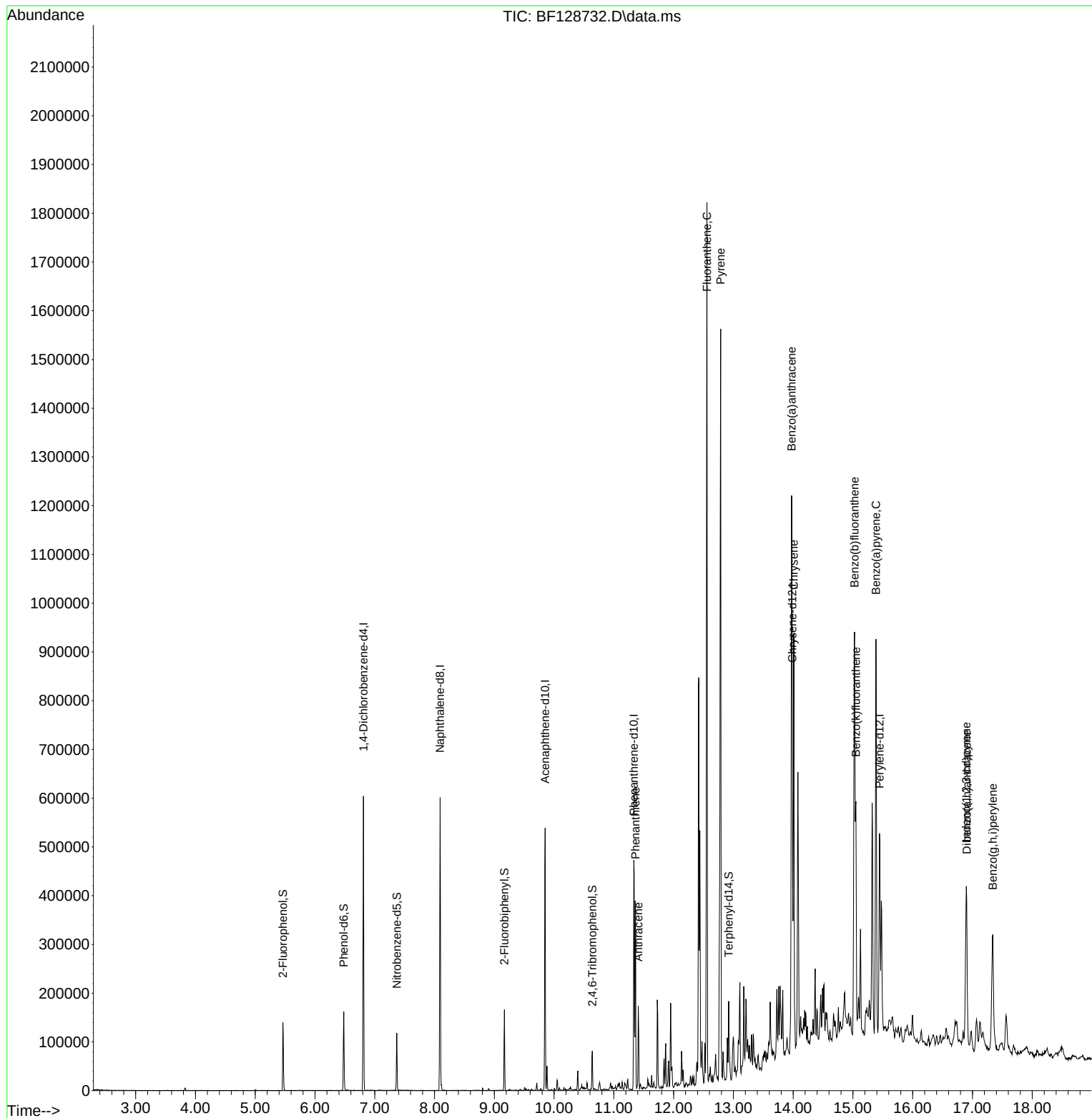
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
Data File : BF128732.D
Acq On : 08 Jun 2022 13:31
Operator : CG\JU
Sample : N3197-03DL 20X
Misc :
ALS Vial : 5 Sample Multiplier: 1

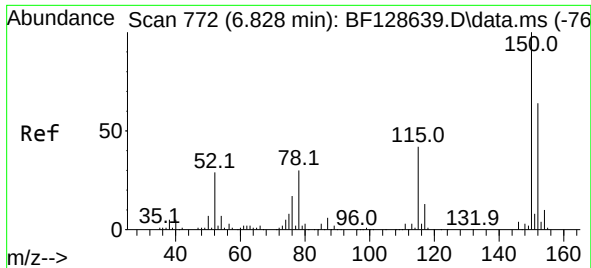
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL

Quant Time: Jun 08 14:30:48 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 08 14:28:39 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

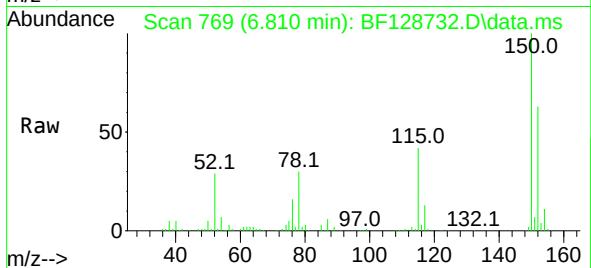
Reviewed By : Christian Giraldo 06/09/2022
Supervised By : Jagrut Upadhyay 06/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

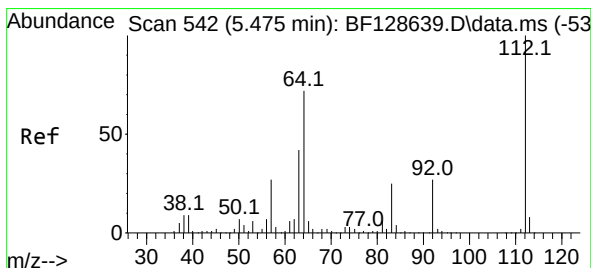
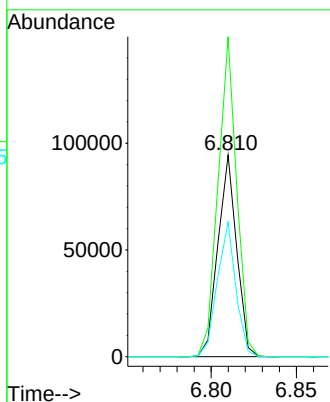
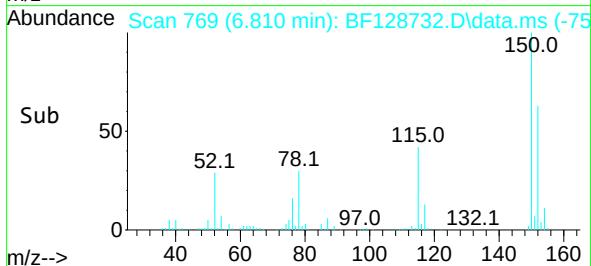
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL



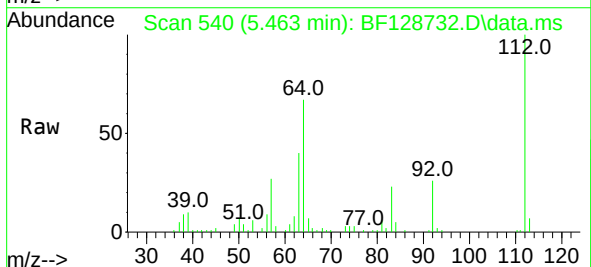
Tgt Ion:152 Resp: 7234
Ion Ratio Lower Upper
152 100
150 158.8 123.7 185.5
115 66.7 49.9 74.9

Manual Integrations
APPROVED

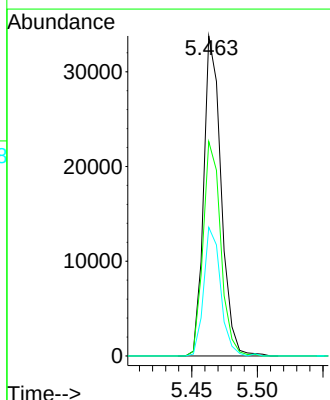
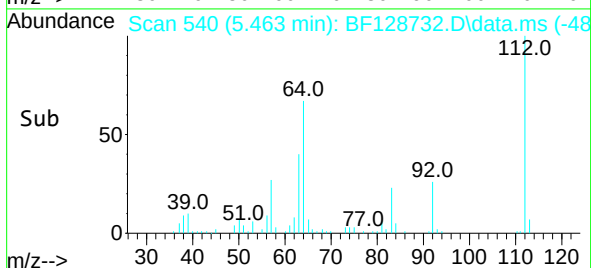
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

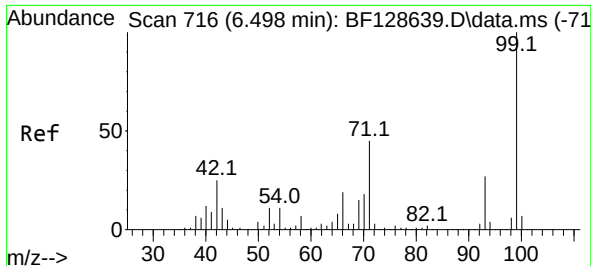


#5
2-Fluorophenol
Concen: 6.896 ng
RT: 5.463 min Scan# 540
Delta R.T. 0.005 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31



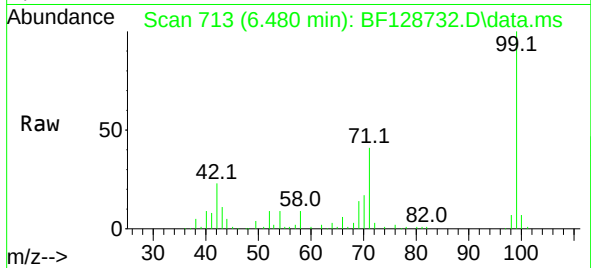
Tgt Ion:112 Resp: 31319
Ion Ratio Lower Upper
112 100
64 67.0 53.3 79.9
63 40.2 28.0 42.0





#7
Phenol-d6
Concen: 7.918 ng
RT: 6.480 min Scan# 716
Delta R.T. -0.000 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

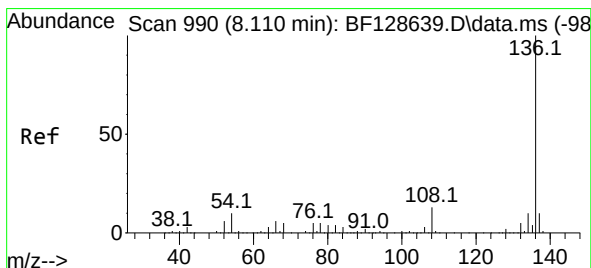
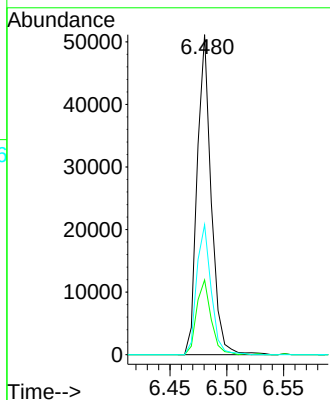
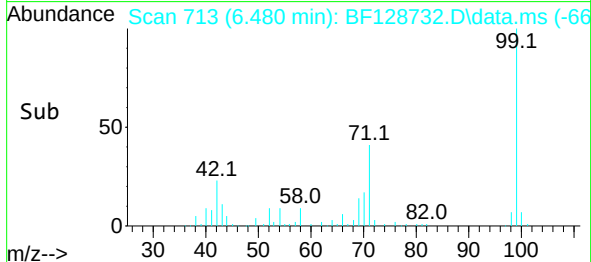
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL



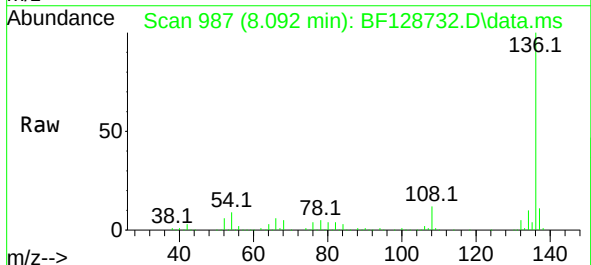
Tgt Ion: 99 Resp: 43890
Ion Ratio Lower Upper
99 100
42 23.4 17.3 25.9
71 40.6 28.9 43.3

Manual Integrations
APPROVED

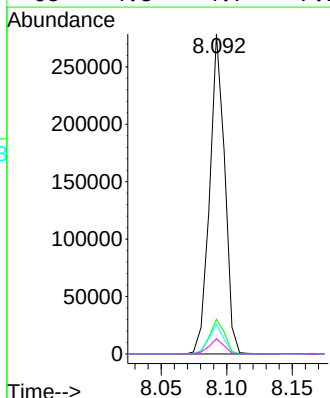
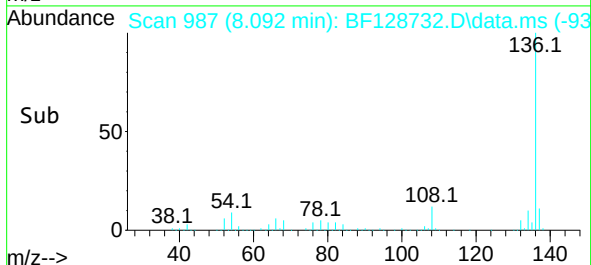
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

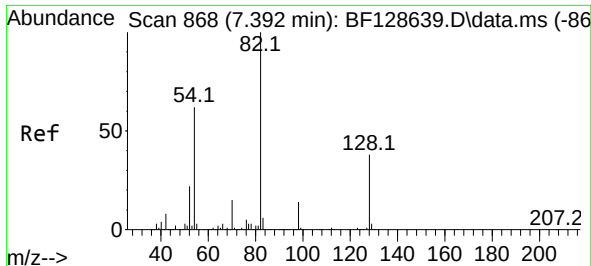


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31



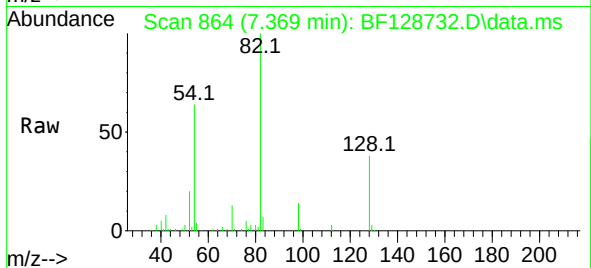
Tgt Ion:136 Resp: 222270
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.3 7.5 11.3
68 4.8 4.7 7.1





#23
Nitrobenzene-d5
Concen: 6.059 ng
RT: 7.369 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

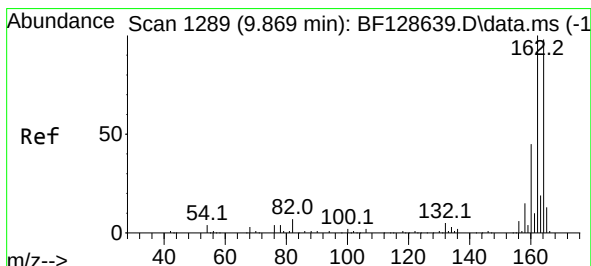
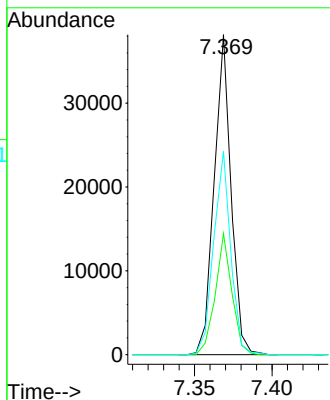
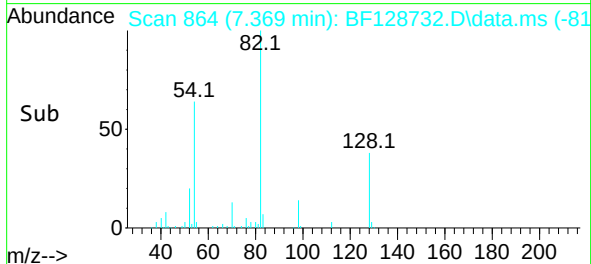
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL



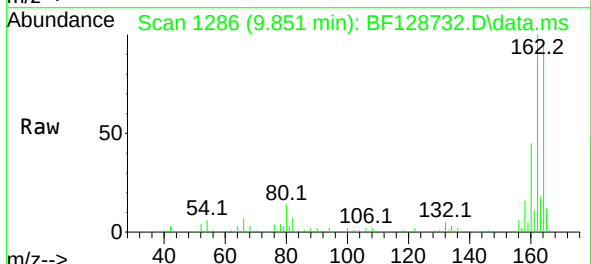
Tgt Ion: 82 Resp: 28920
Ion Ratio Lower Upper
82 100
128 37.9 34.0 51.0
54 63.6 46.9 70.3

Manual Integrations
APPROVED

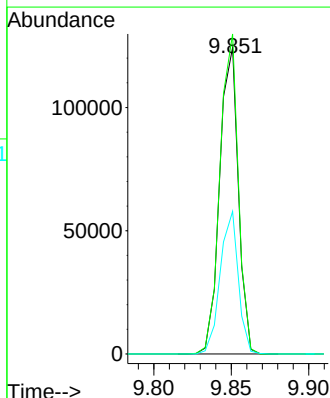
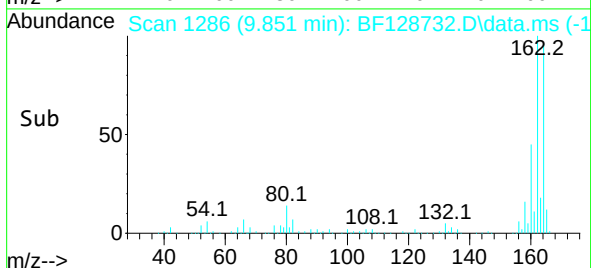
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

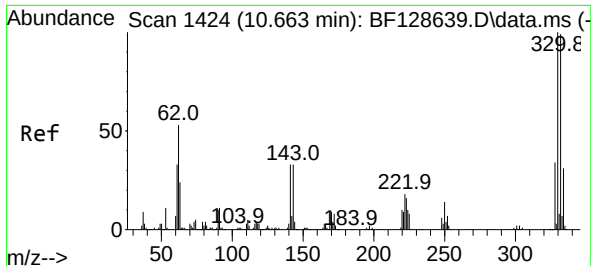


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31



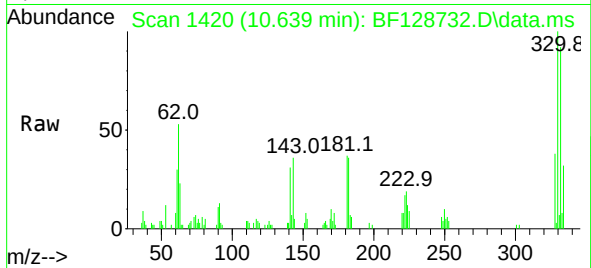
Tgt Ion:164 Resp: 104100
Ion Ratio Lower Upper
164 100
162 104.4 79.5 119.3
160 46.5 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 5.815 ng
RT: 10.639 min Scan# 1424
Delta R.T. -0.012 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

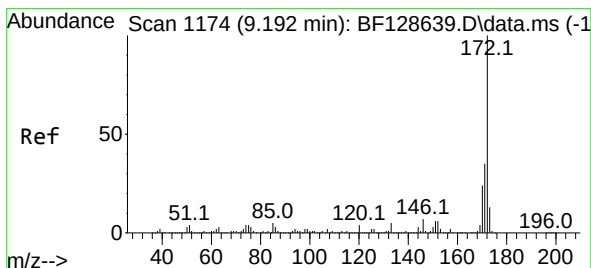
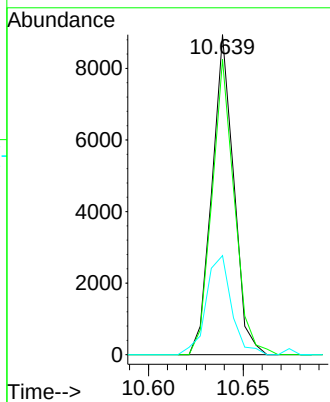
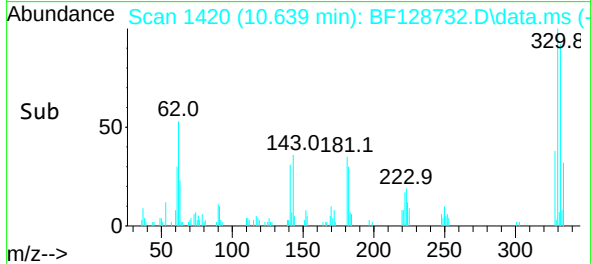
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL



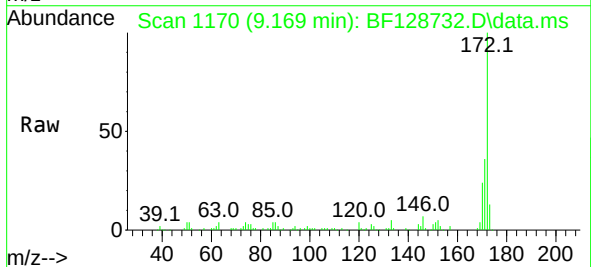
Tgt Ion: 330 Resp: 715
Ion Ratio Lower Upper
330 100
332 95.0 76.8 115.2
141 36.1 28.0 42.0

Manual Integrations
APPROVED

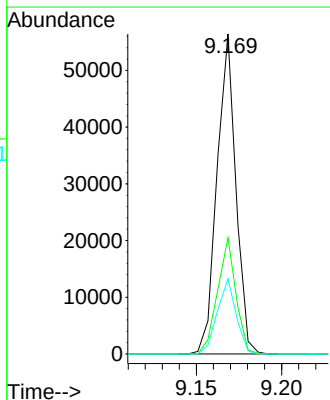
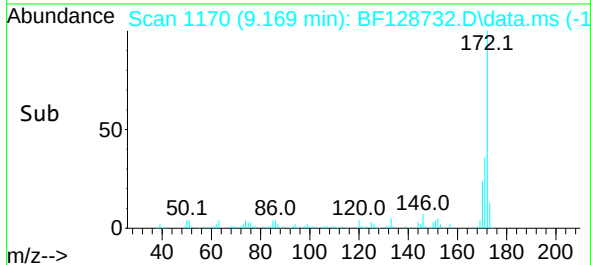
Reviewed By : Christian Giraldo 06/09/2022
Supervised By : Jagrut Upadhyay 06/09/2022

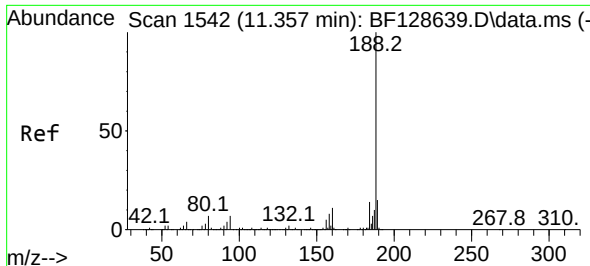


#45
2-Fluorobiphenyl
Concen: 5.843 ng
RT: 9.169 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31



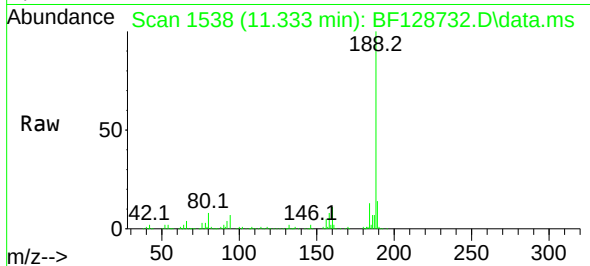
Tgt Ion: 172 Resp: 43424
Ion Ratio Lower Upper
172 100
171 36.3 28.8 43.2
170 23.5 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

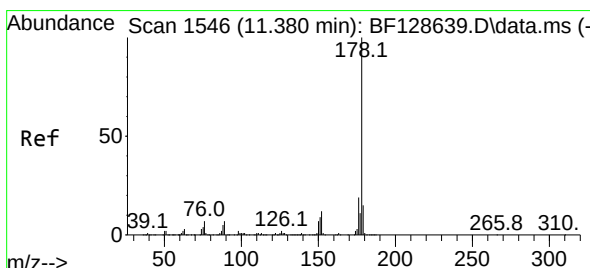
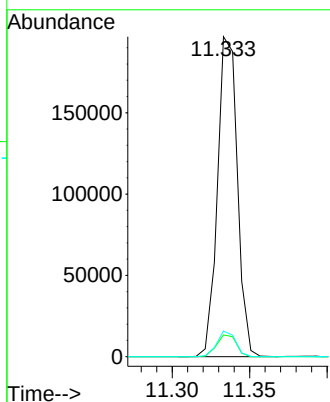
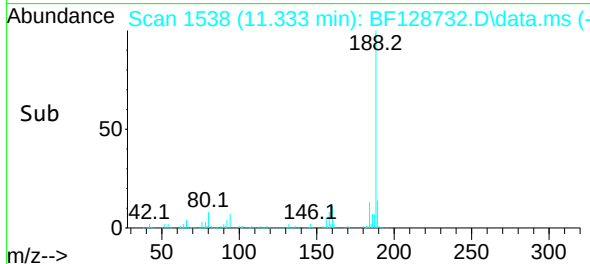
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL



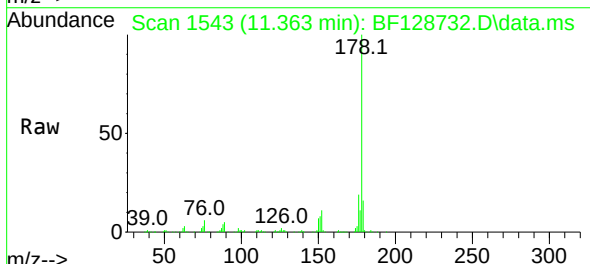
Tgt Ion:188 Resp: 175878
Ion Ratio Lower Upper
188 100
94 6.8 7.0 10.6
80 8.0 7.6 11.4

Manual Integrations
APPROVED

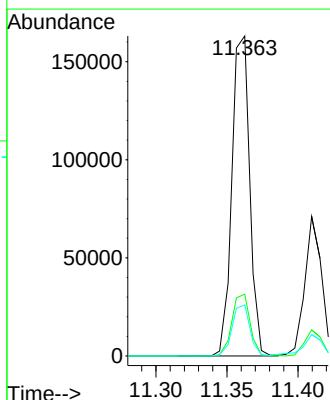
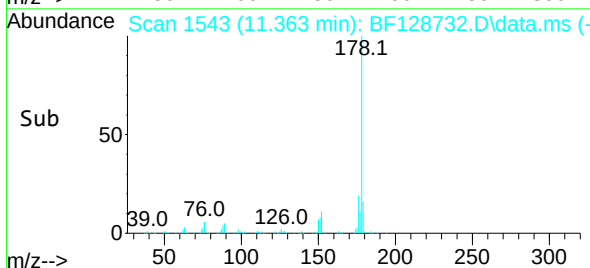
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

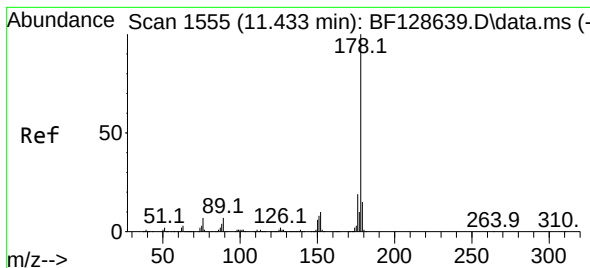


#71
Phenanthrene
Concen: 16.220 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31



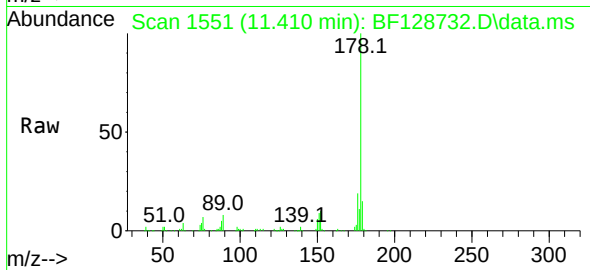
Tgt Ion:178 Resp: 143091
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 16.0 12.6 19.0





#72
 Anthracene
 Concen: 6.580 ng
 RT: 11.410 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128732.D
 Acq: 08 Jun 2022 13:31

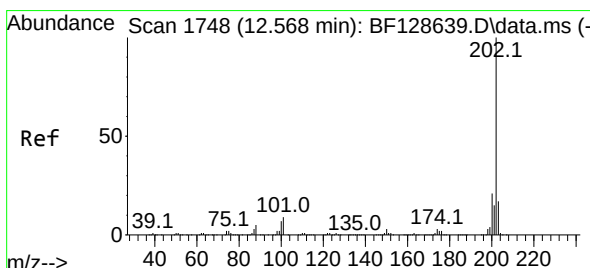
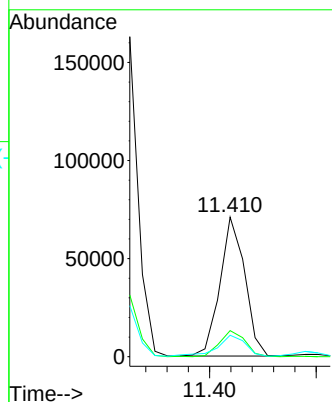
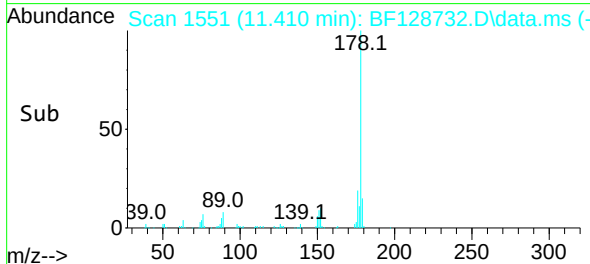
Instrument :
 BNA_F
 ClientSampleId :
 SU-4-060322DL



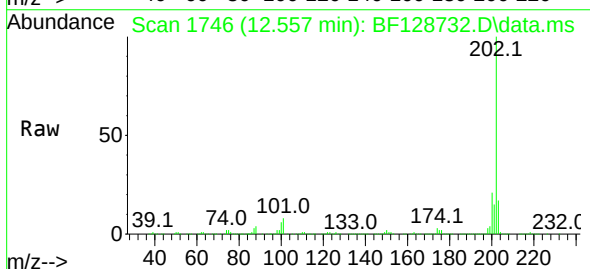
Tgt Ion:178 Resp: 5745
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 15.4 12.6 19.0

Manual Integrations
 APPROVED

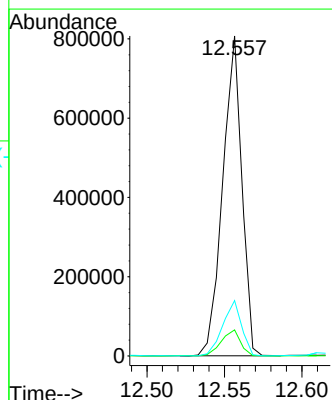
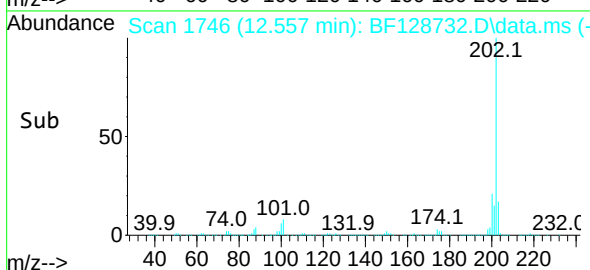
Reviewed By :Christian Giraldo 06/09/2022
 Supervised By :Jagrut Upadhyay 06/09/2022

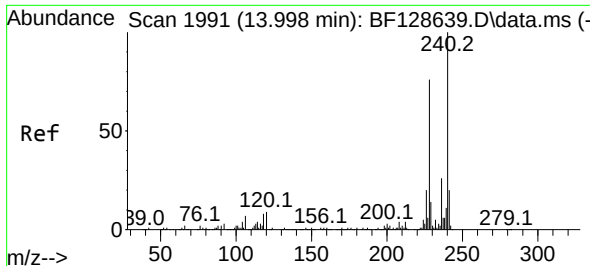


#75
 Fluoranthene
 Concen: 75.123 ng
 RT: 12.557 min Scan# 1746
 Delta R.T. -0.000 min
 Lab File: BF128732.D
 Acq: 08 Jun 2022 13:31



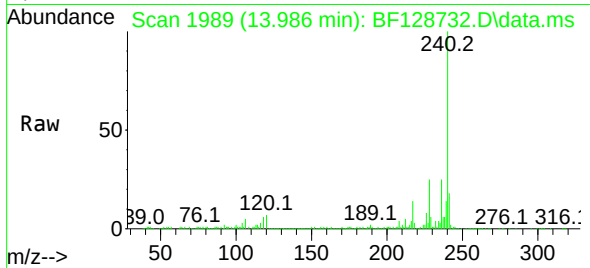
Tgt Ion:202 Resp: 692728
 Ion Ratio Lower Upper
 202 100
 101 8.1 0.0 31.4
 203 17.3 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

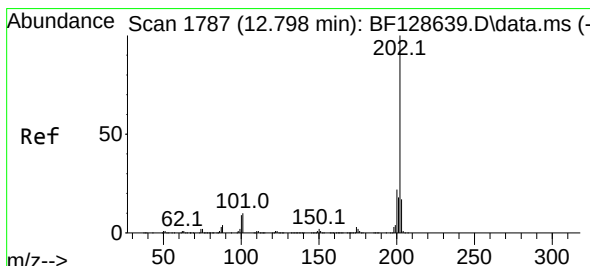
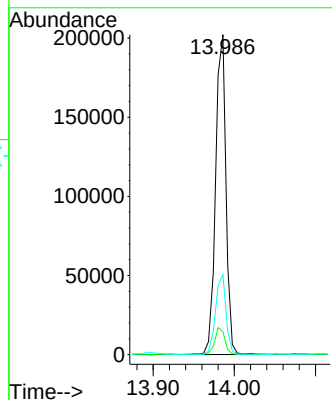
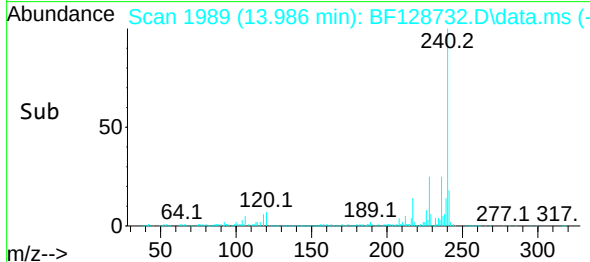
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL



Tgt Ion:240 Resp: 178569
Ion Ratio Lower Upper
240 100
120 7.1 8.9 13.3
236 25.1 20.8 31.2

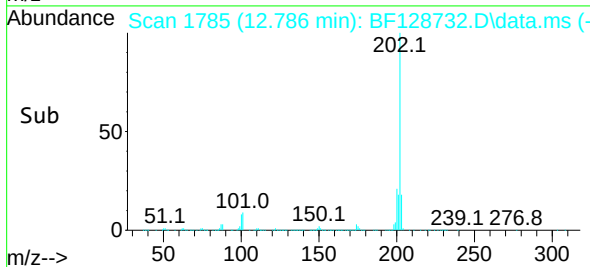
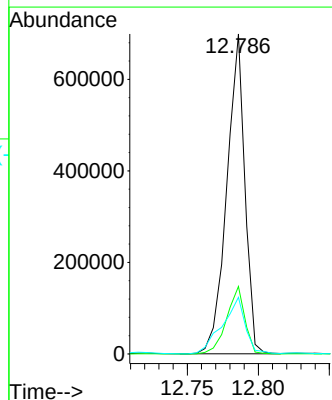
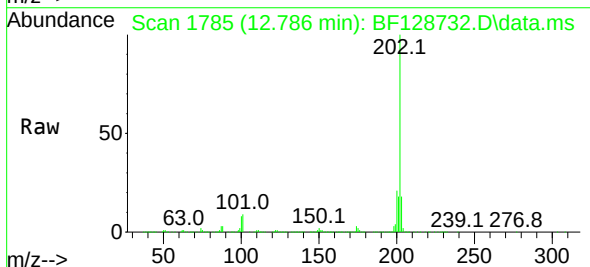
Manual Integrations
APPROVED

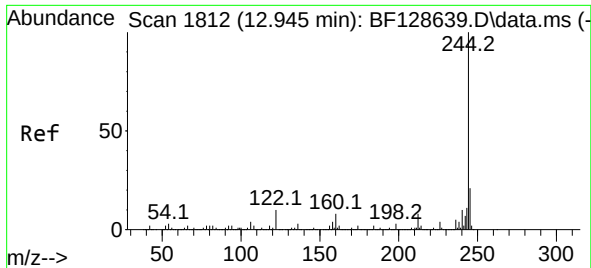
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#78
Pyrene
Concen: 46.532 ng
RT: 12.786 min Scan# 1785
Delta R.T. -0.000 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

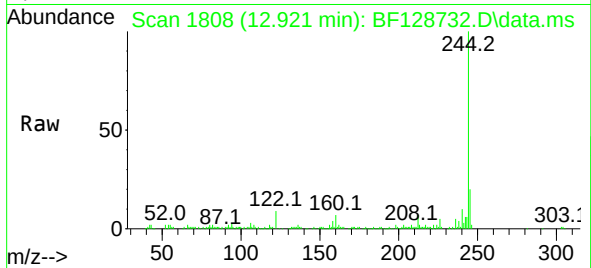
Tgt Ion:202 Resp: 618195
Ion Ratio Lower Upper
202 100
200 21.1 17.7 26.5
203 17.7 14.6 21.8





#79
 Terphenyl-d14
 Concen: 4.272 ng
 RT: 12.921 min Scan# 1808
 Delta R.T. -0.012 min
 Lab File: BF128732.D
 Acq: 08 Jun 2022 13:31

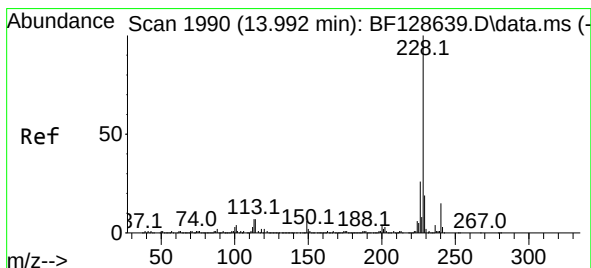
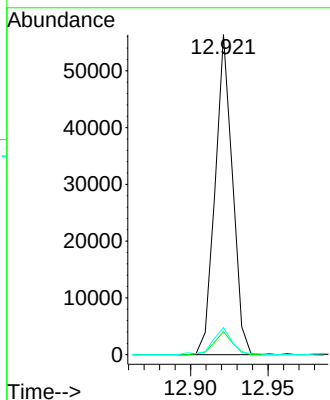
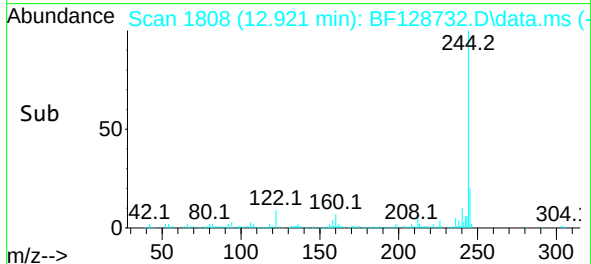
Instrument :
 BNA_F
 ClientSampleId :
 SU-4-060322DL



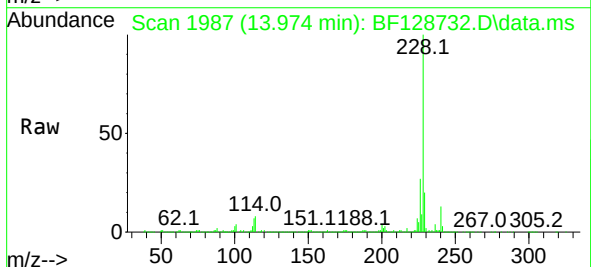
Tgt Ion:244 Resp: 43900
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 8.5 8.8 13.2

Manual Integrations
 APPROVED

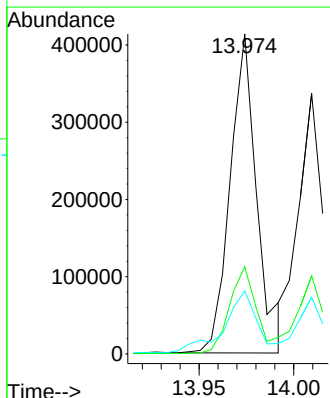
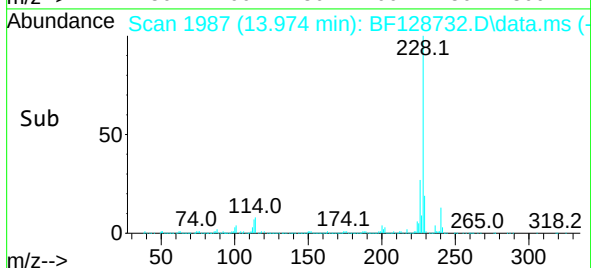
Reviewed By :Christian Giraldo 06/09/2022
 Supervised By :Jagrut Upadhyay 06/09/2022

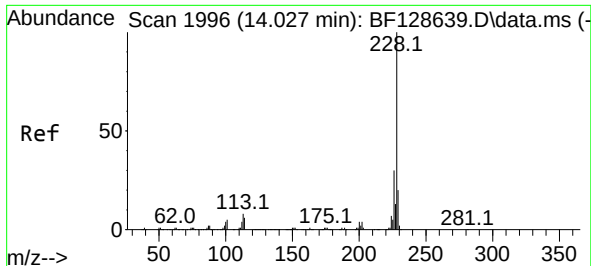


#81
 Benzo(a)anthracene
 Concen: 36.353 ng
 RT: 13.974 min Scan# 1987
 Delta R.T. -0.000 min
 Lab File: BF128732.D
 Acq: 08 Jun 2022 13:31



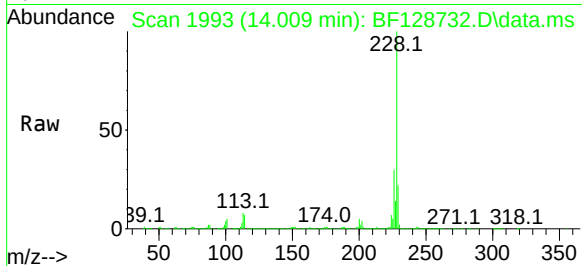
Tgt Ion:228 Resp: 404636
 Ion Ratio Lower Upper
 228 100
 226 27.3 22.1 33.1
 229 19.7 15.8 23.8





#83
Chrysene
Concen: 27.944 ng
RT: 14.009 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

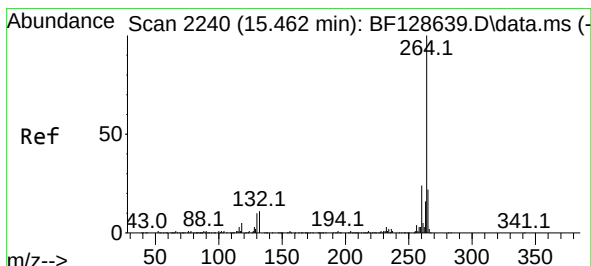
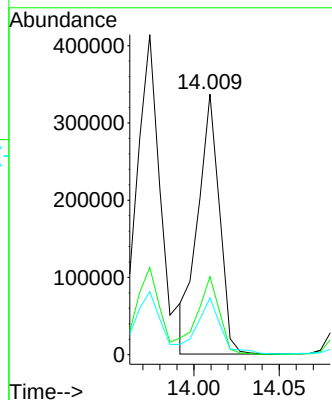
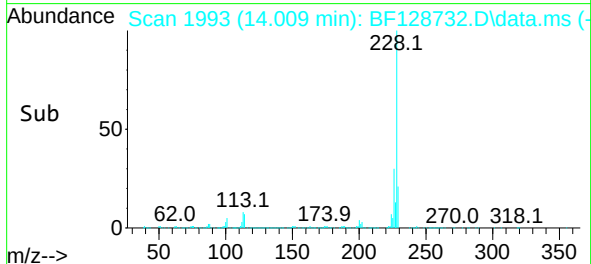
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL



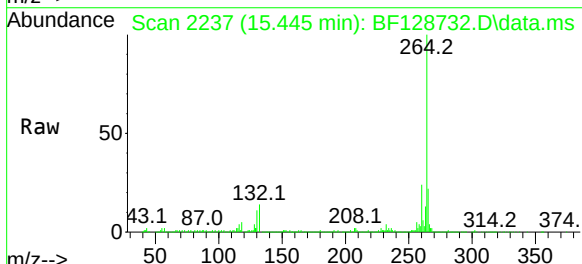
Tgt Ion:228 Resp: 296534
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 21.8 15.9 23.9

Manual Integrations
APPROVED

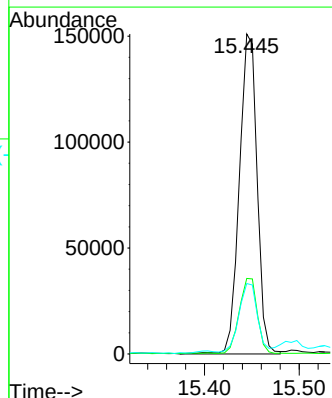
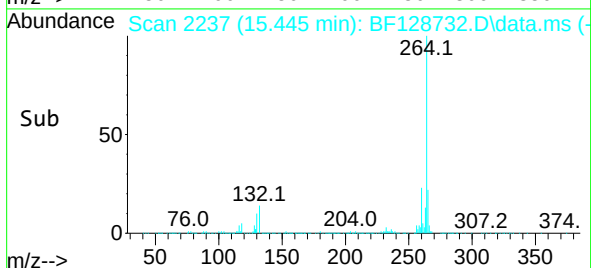
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

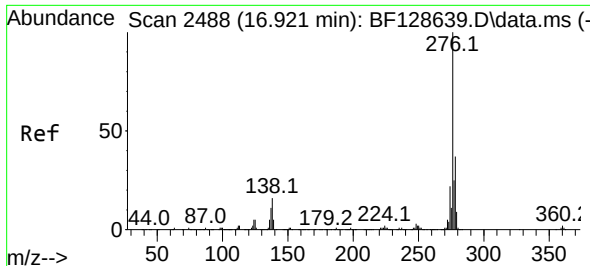


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2237
Delta R.T. -0.000 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31



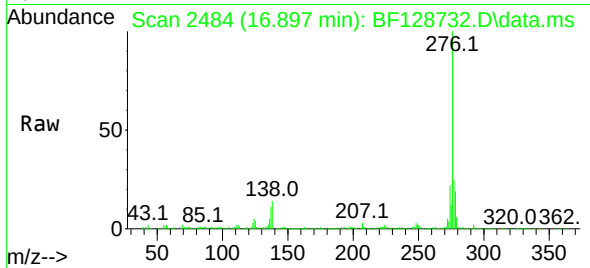
Tgt Ion:264 Resp: 196195
Ion Ratio Lower Upper
264 100
260 23.6 18.4 27.6
265 22.0 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 19.052 ng
RT: 16.897 min Scan# 2488
Delta R.T. -0.000 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

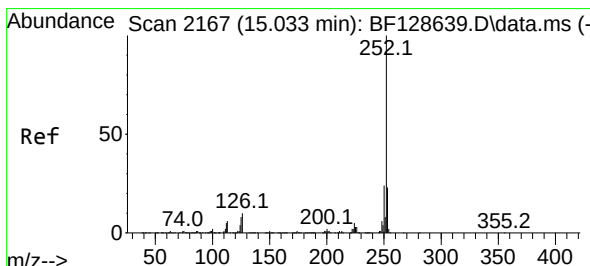
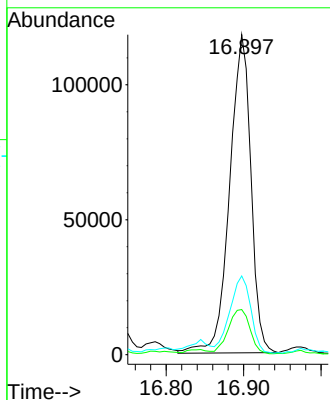
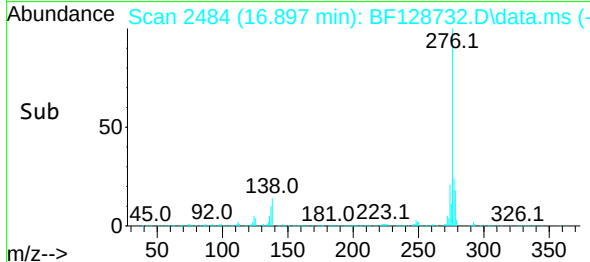
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL



Tgt Ion: 276 Resp: 225297
Ion Ratio Lower Upper
276 100
138 14.1 21.1 31.7
277 23.7 20.3 30.5

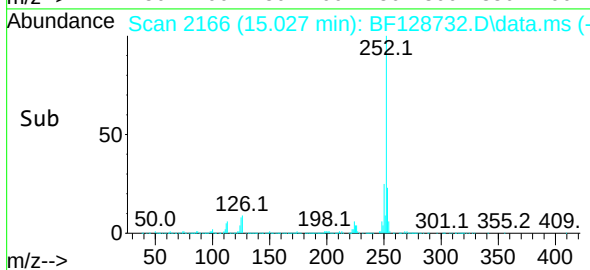
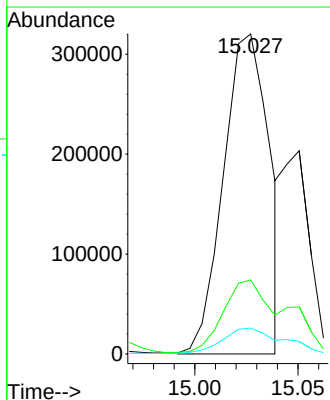
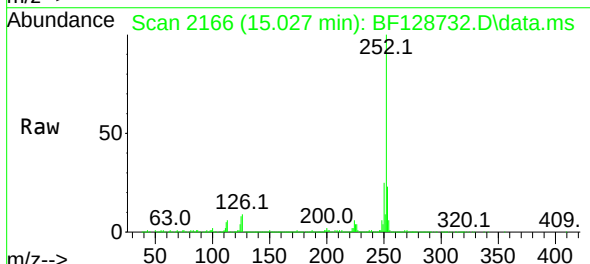
Manual Integrations
APPROVED

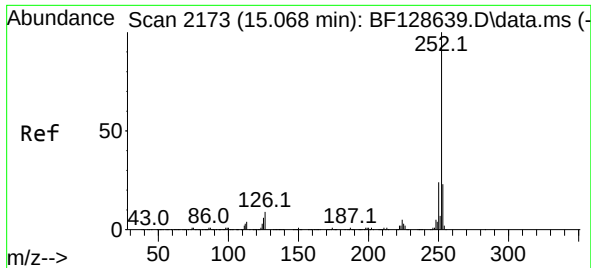
Reviewed By : Christian Giraldo 06/09/2022
Supervised By : Jagrut Upadhyay 06/09/2022



#88
Benzo(b)fluoranthene
Concen: 39.440 ng m
RT: 15.027 min Scan# 2166
Delta R.T. 0.005 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

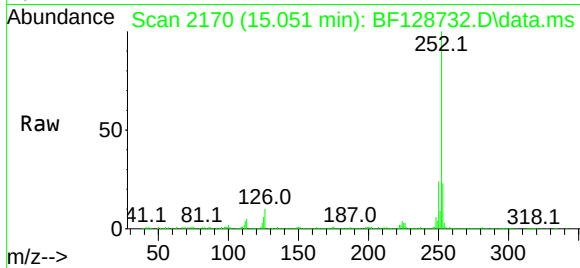
Tgt Ion: 252 Resp: 494440
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 8.1 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 15.419 ng m
RT: 15.051 min Scan# 2173
Delta R.T. -0.000 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

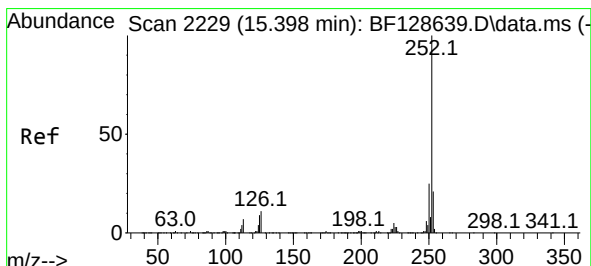
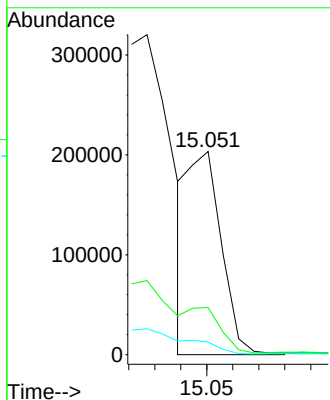
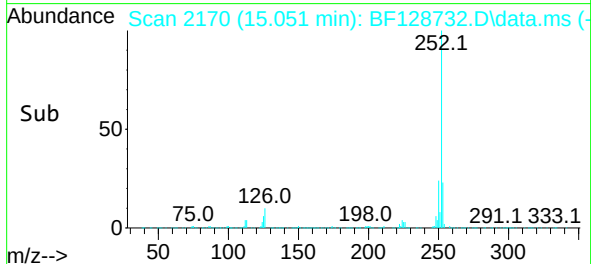
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL



Tgt Ion:252 Resp: 181830
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 6.2 8.3 12.5

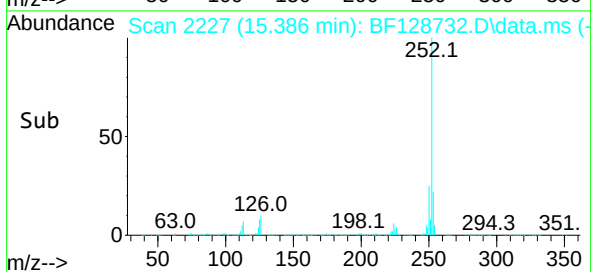
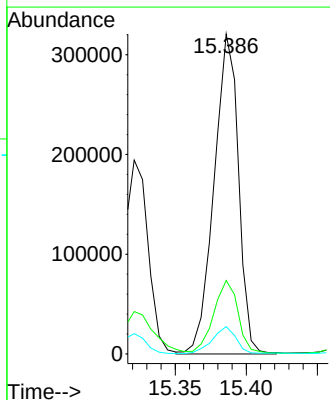
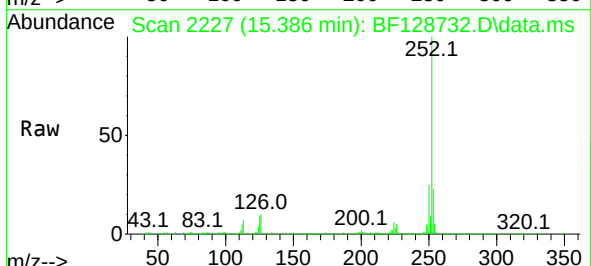
Manual Integrations
APPROVED

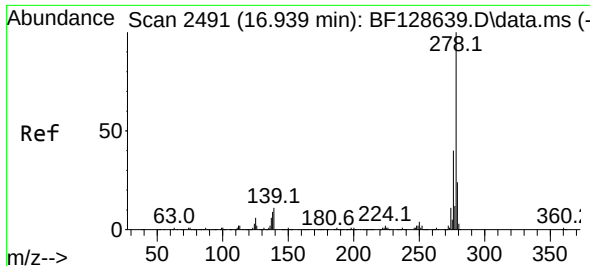
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#90
Benzo(a)pyrene
Concen: 38.899 ng m
RT: 15.386 min Scan# 2227
Delta R.T. -0.000 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

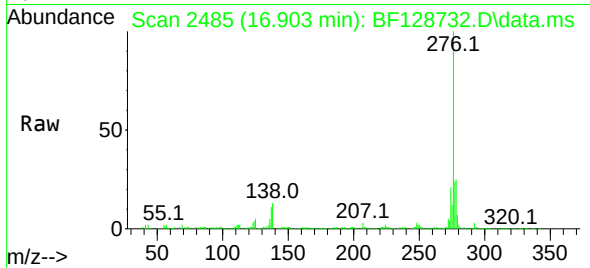
Tgt Ion:252 Resp: 383288
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 8.6 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 5.131 ng m
RT: 16.903 min Scan# 2491
Delta R.T. -0.012 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31

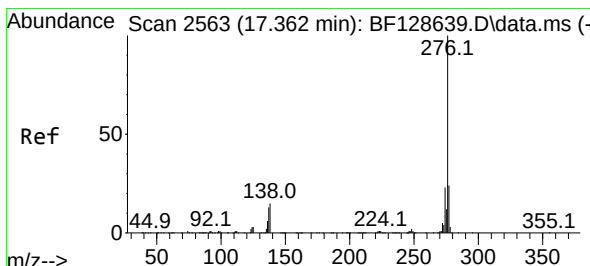
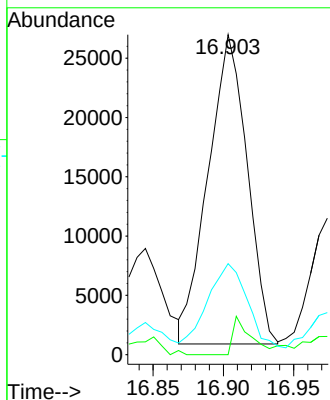
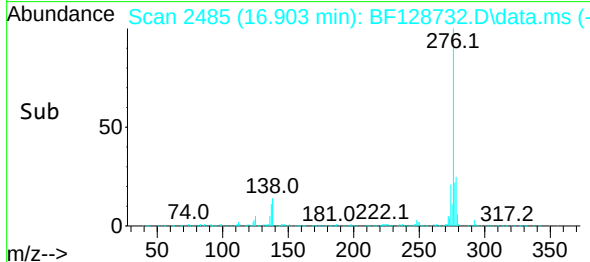
Instrument :
BNA_F
ClientSampleId :
SU-4-060322DL



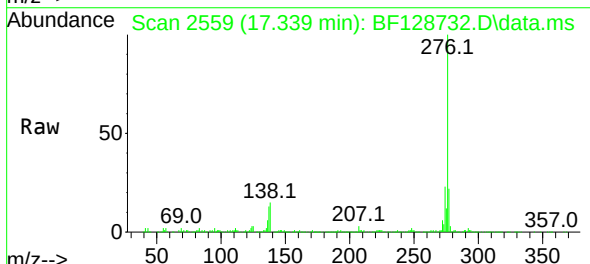
Tgt Ion: 278 Resp: 50328
Ion Ratio Lower Upper
278 100
139 0.0 12.8 19.2
279 28.5 18.6 28.0

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 06/09/2022
Supervised By : Jagrut Upadhyay 06/09/2022



#92
Benzo(g,h,i)perylene
Concen: 20.070 ng
RT: 17.339 min Scan# 2559
Delta R.T. -0.000 min
Lab File: BF128732.D
Acq: 08 Jun 2022 13:31



Tgt Ion: 276 Resp: 195109
Ion Ratio Lower Upper
276 100
277 22.5 19.1 28.7
138 14.6 18.0 27.0

