

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031722\
 Data File : BF127384.D
 Acq On : 17 Mar 2022 19:12
 Operator : CG\JU
 Sample : N1954-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-031522

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/18/2022
 Supervised By : Jagrut Upadhyay 03/18/2022

Quant Time: Mar 18 04:40:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 10 16:51:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	113033	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	395628	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	192112	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	285085	20.000	ng	# 0.00
76) Chrysene-d12	14.045	240	221963	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	155117	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	271437	38.604	ng	0.00
7) Phenol-d6	6.498	99	351295	36.318	ng	0.00
23) Nitrobenzene-d5	7.428	82	227984	23.798	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	52559	25.415	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	363854	26.777	ng	-0.01
79) Terphenyl-d14	12.980	244	306628	23.788	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.421	178	164378	10.923	ng	100
72) Anthracene	11.474	178	53648	3.600	ng	98
75) Fluoranthene	12.615	202	264244	15.704	ng	93
78) Pyrene	12.845	202	238267	13.782	ng	99
81) Benzo(a)anthracene	14.033	228	113986	7.627	ng	97
83) Chrysene	14.068	228	93666	6.738	ng	97
87) Indeno(1,2,3-cd)pyrene	17.045	276	34779	3.722	ng	# 83
88) Benzo(b)fluoranthene	15.098	252	94243m	9.256	ng	
89) Benzo(k)fluoranthene	15.121	252	31330m	3.273	ng	
90) Benzo(a)pyrene	15.474	252	67076m	8.366	ng	
92) Benzo(g,h,i)perylene	17.497	276	33755	4.449	ng	# 81

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

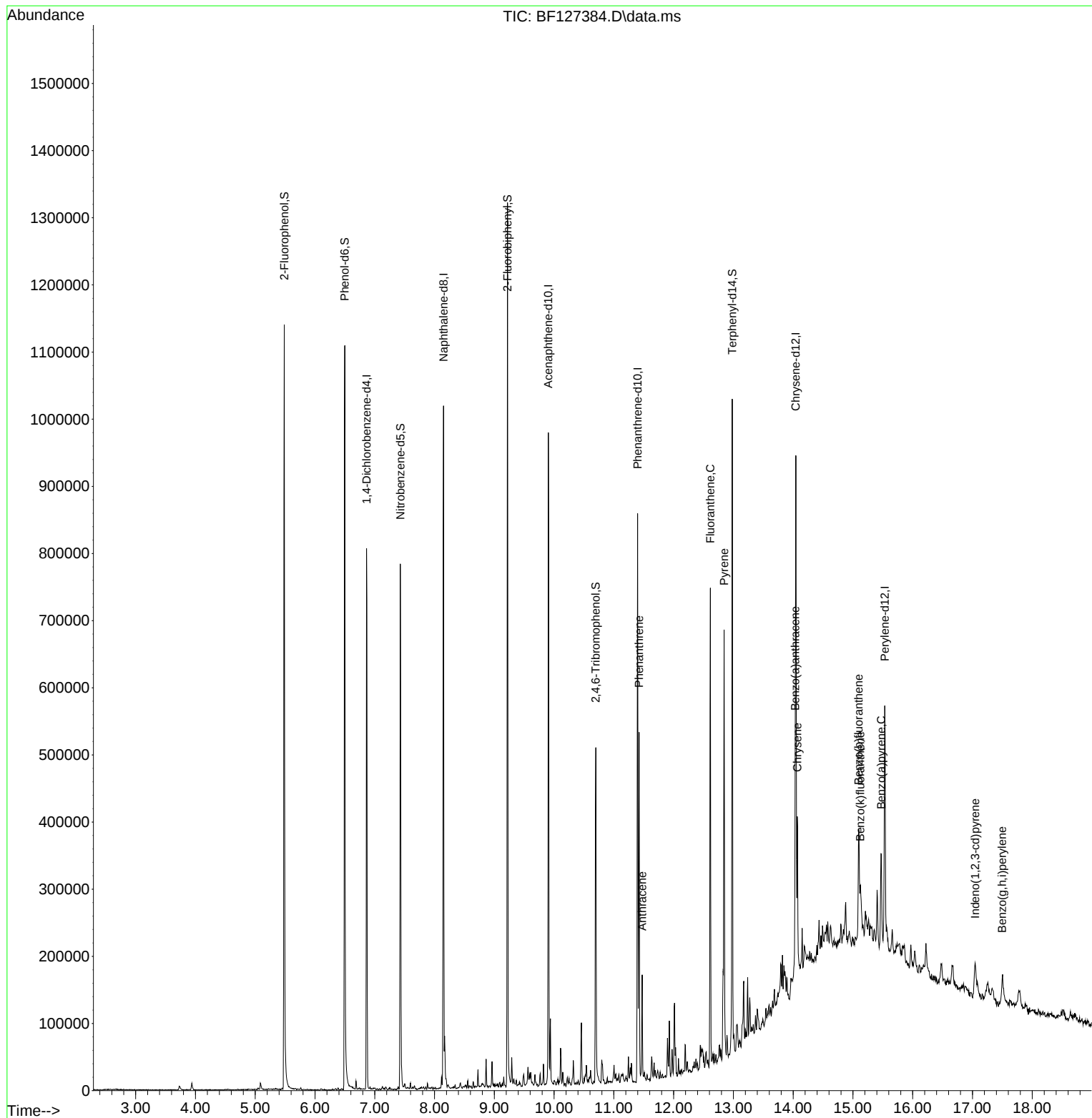
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031722\
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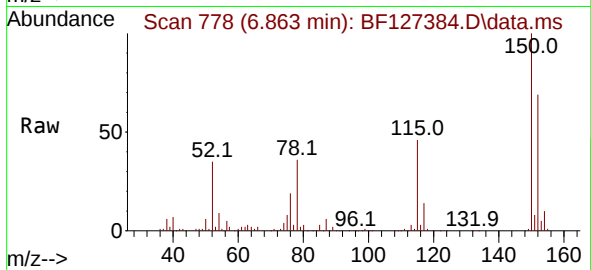
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Supervised By : Jagrut Upadhyay 03/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

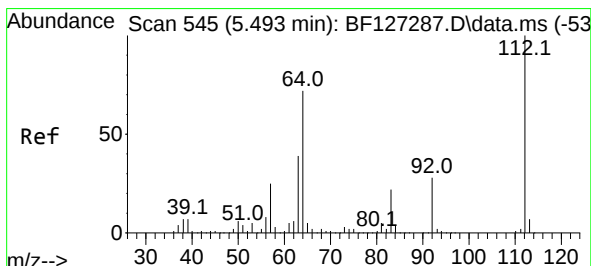
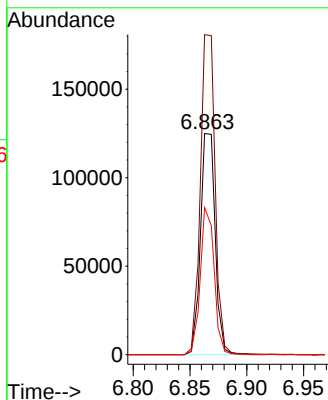
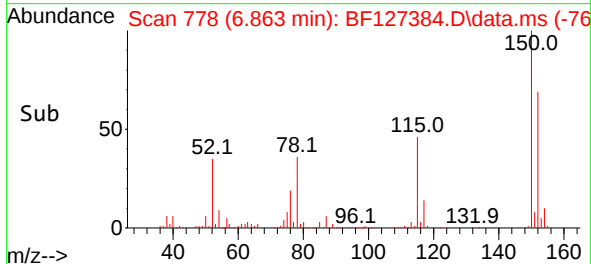
Instrument :
BNA_F
ClientSampleId :
CL-02-031522



Tgt Ion:152 Resp: 11303
Ion Ratio Lower Upper
152 100
150 144.7 128.1 192.1
115 66.5 56.7 85.1

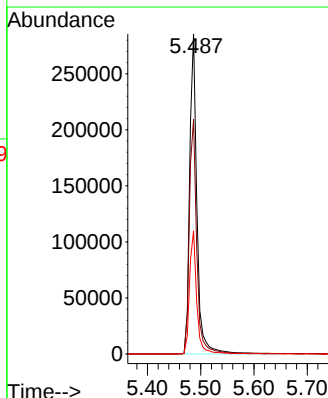
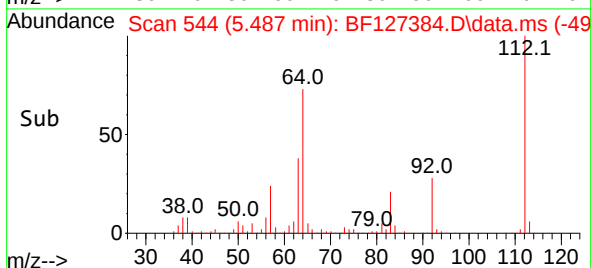
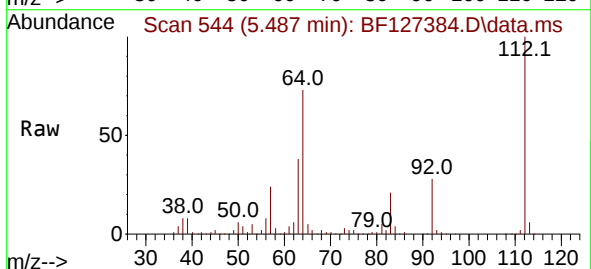
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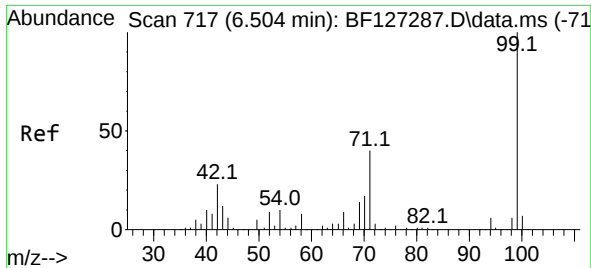
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#5
2-Fluorophenol
Concen: 38.604 ng
RT: 5.487 min Scan# 544
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

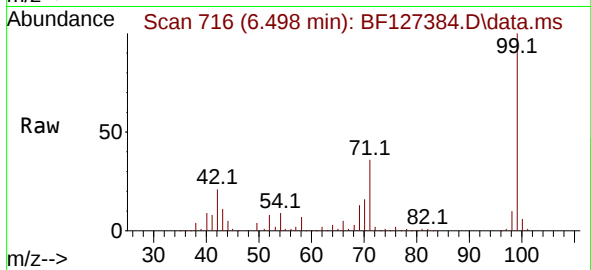
Tgt Ion:112 Resp: 271437
Ion Ratio Lower Upper
112 100
64 73.3 49.5 74.3
63 38.5 23.9 35.9#





#7
Phenol-d6
Concen: 36.318 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

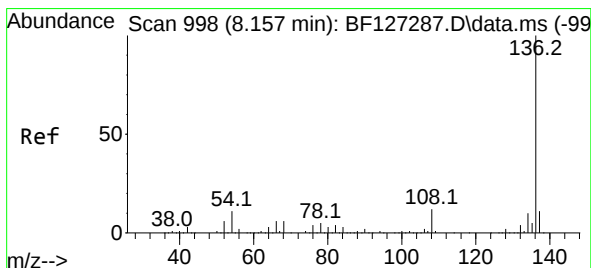
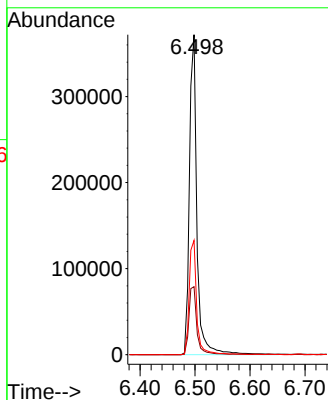
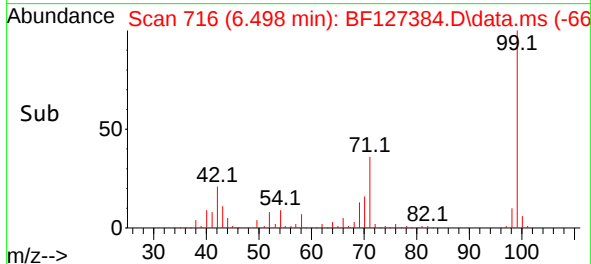
Instrument :
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ClientSampleId :
CL-02-031522



Tgt Ion: 99 Resp: 35129
Ion Ratio Lower Upper
99 100
42 21.3 14.2 21.4
71 35.7 24.3 36.5

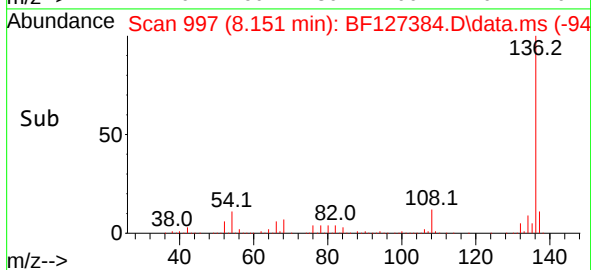
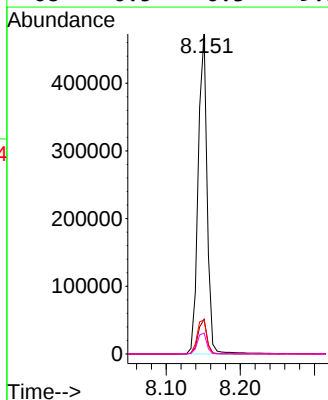
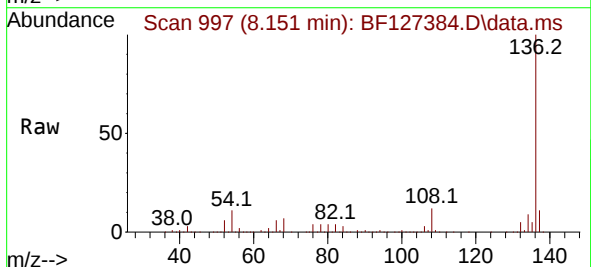
Manual Integrations
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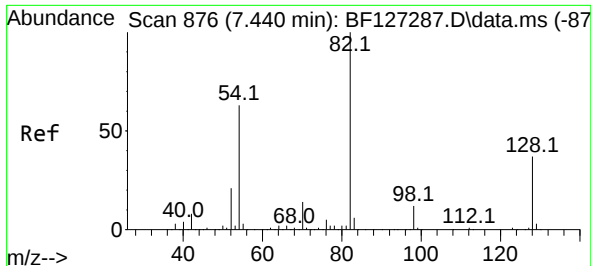
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Supervised By :Jagrut Upadhyay 03/18/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

Tgt Ion:136 Resp: 395628
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.6 7.8 11.6
68 6.5 6.3 9.5





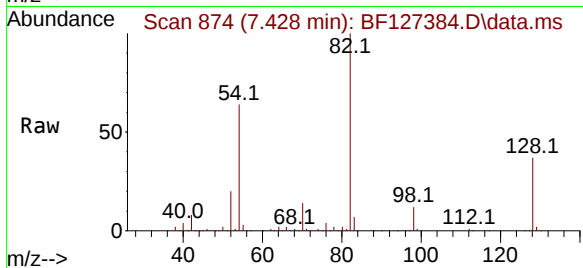
#23
Nitrobenzene-d5
Concen: 23.798 ng
RT: 7.428 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

Instrument :

BNA_F

ClientSampleId :

CL-02-031522

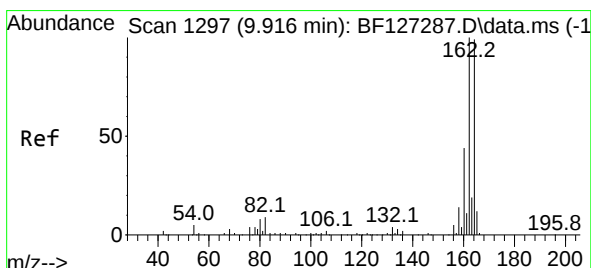
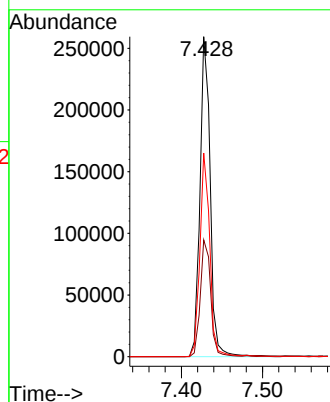
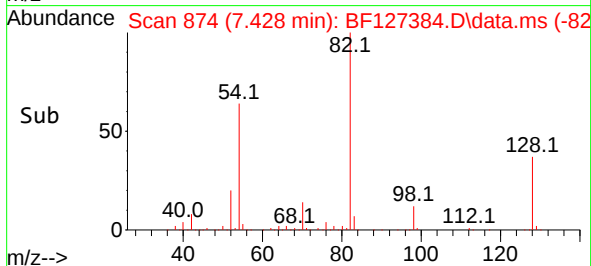


Tgt Ion: 82 Resp: 227984
Ion Ratio Lower Upper
82 100
128 36.5 32.7 49.1
54 63.6 41.7 62.5

Manual Integrations

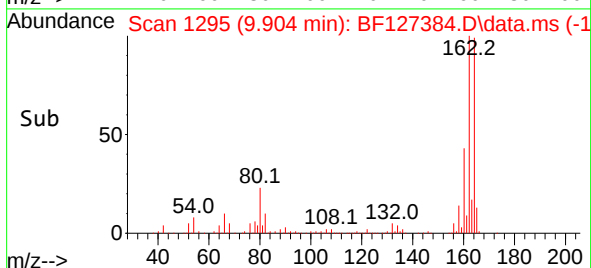
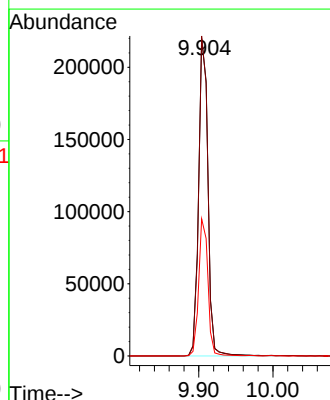
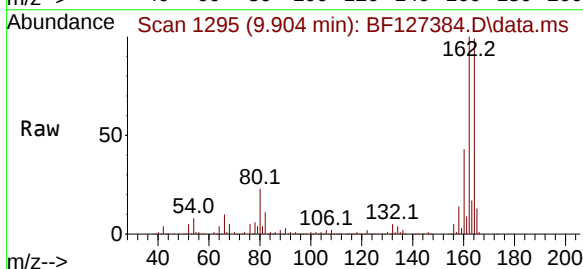
APPROVED

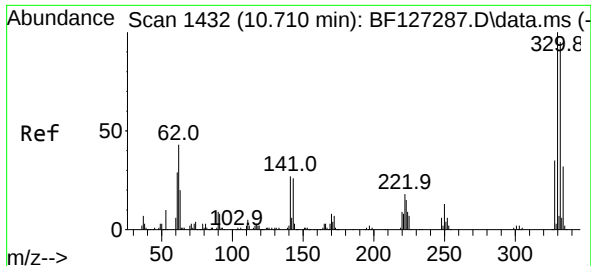
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

Tgt Ion:164 Resp: 192112
Ion Ratio Lower Upper
164 100
162 100.8 81.4 122.0
160 43.2 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 25.415 ng
RT: 10.698 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

Instrument :

BNA_F

ClientSampleId :

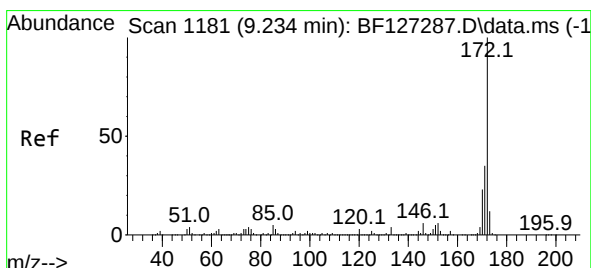
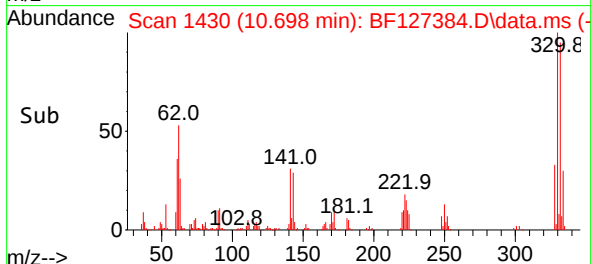
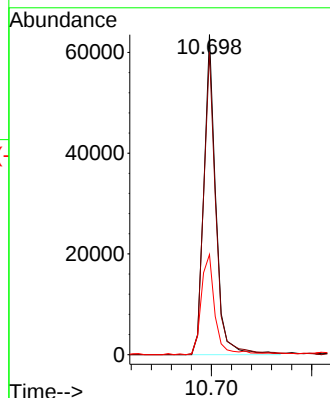
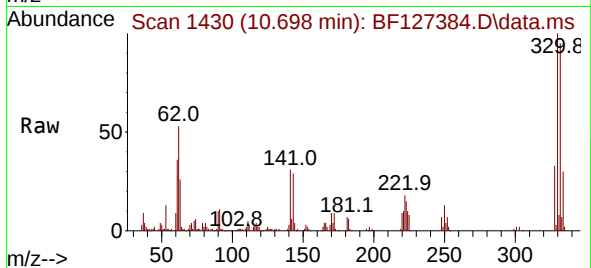
CL-02-031522

Tgt Ion: 330 Resp: 52559
Ion Ratio Lower Upper
330 100
332 97.8 76.0 114.0
141 37.2 30.1 45.1

Manual Integrations

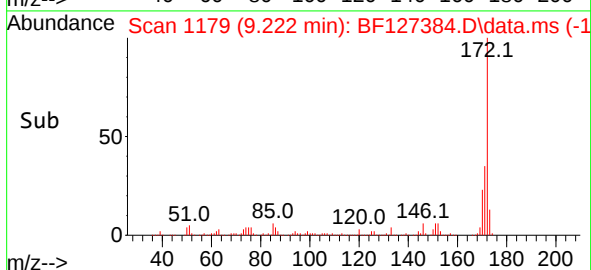
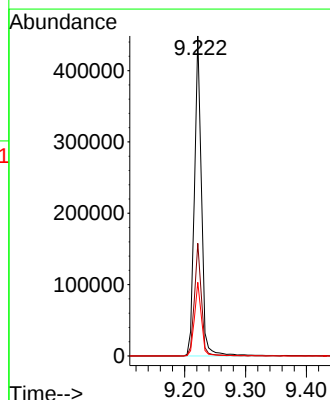
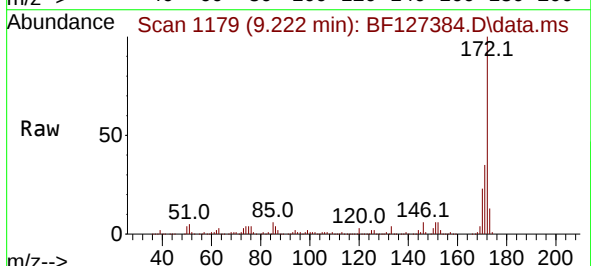
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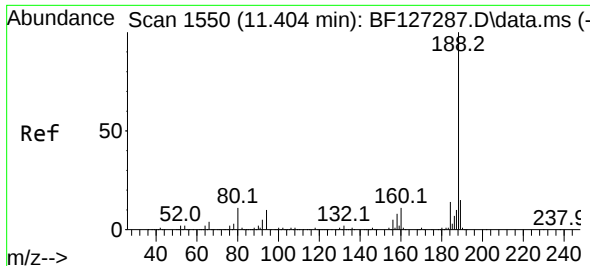
Reviewed By : Christian Giraldo 03/18/2022
Supervised By : Jagrut Upadhyay 03/18/2022



#45
2-Fluorobiphenyl
Concen: 26.777 ng
RT: 9.222 min Scan# 1179
Delta R.T. -0.012 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

Tgt Ion: 172 Resp: 363854
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.0 19.0 28.6





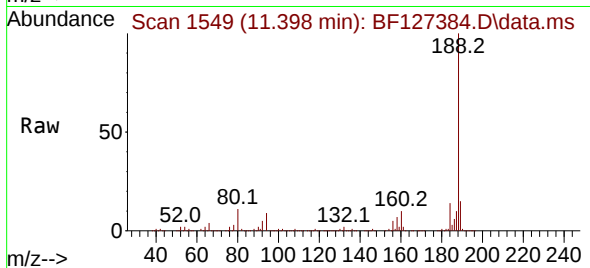
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

Instrument :

BNA_F

ClientSampleId :

CL-02-031522

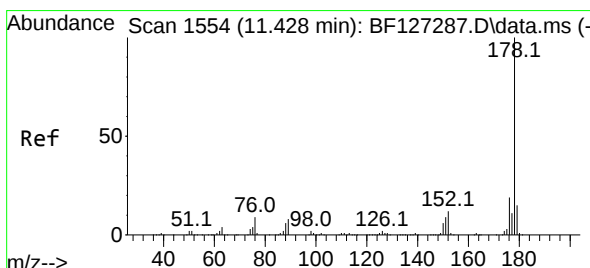
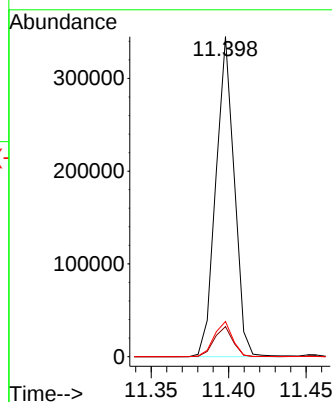
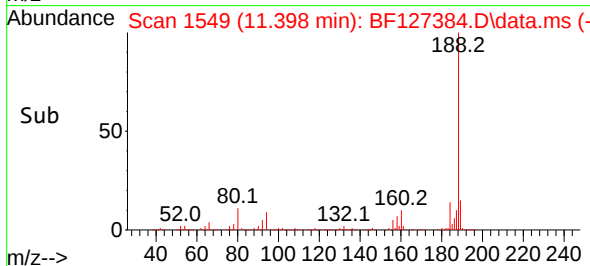


Tgt Ion:188 Resp: 285085
Ion Ratio Lower Upper
188 100
94 9.4 10.1 15.1
80 11.0 11.8 17.6

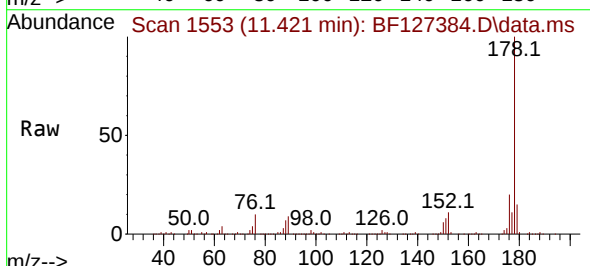
Manual Integrations

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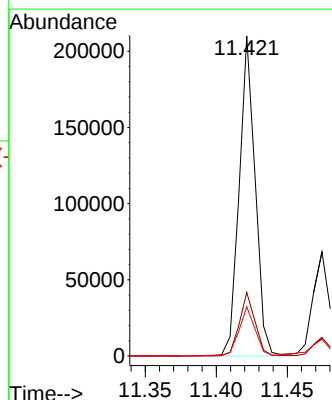
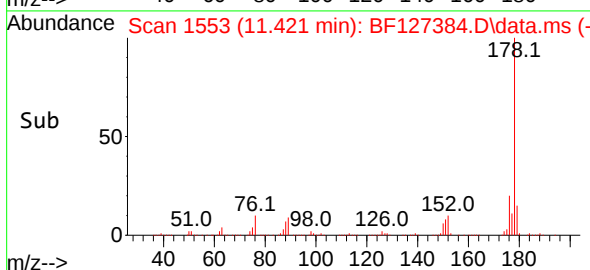
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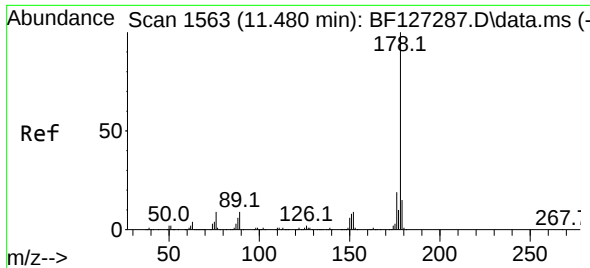


#71
Phenanthrene
Concen: 10.923 ng
RT: 11.421 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12



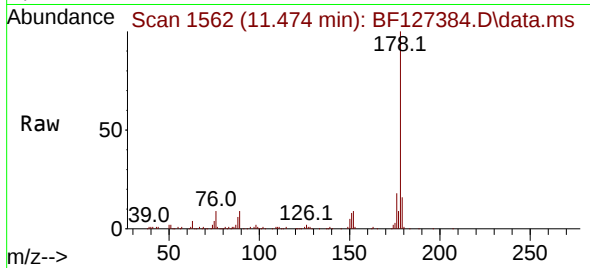
Tgt Ion:178 Resp: 164378
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.4 12.3 18.5





#72
 Anthracene
 Concen: 3.600 ng
 RT: 11.474 min Scan# 1562
 Delta R.T. -0.006 min
 Lab File: BF127384.D
 Acq: 17 Mar 2022 19:12

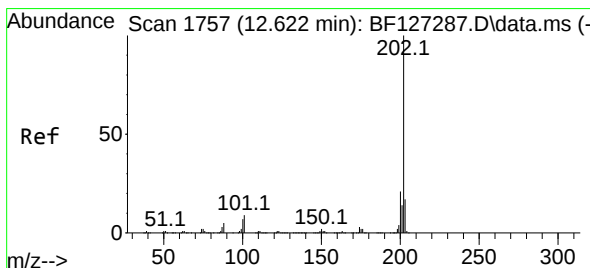
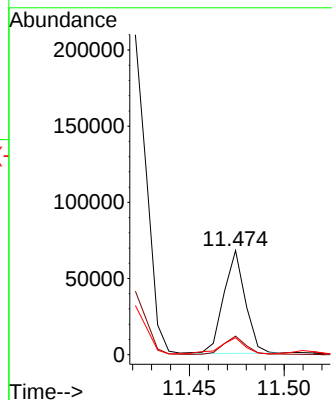
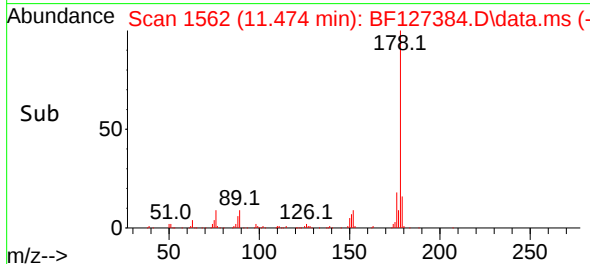
Instrument :
 BNA_F
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 CL-02-031522



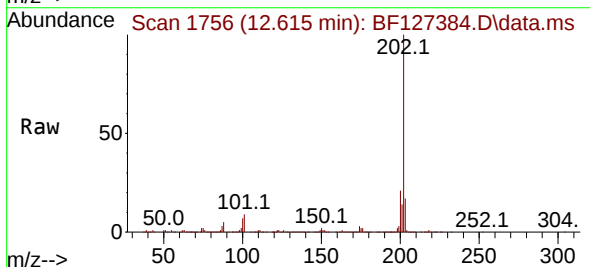
Tgt Ion:178 Resp: 53648
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.0 22.6
 179 16.2 12.5 18.7

Manual Integrations
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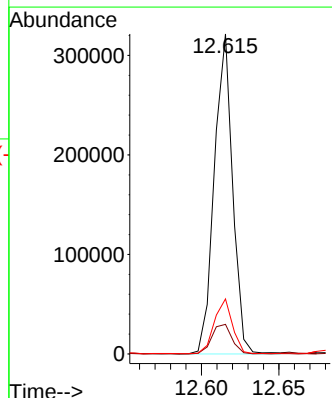
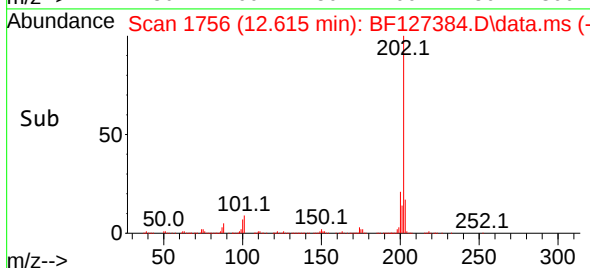
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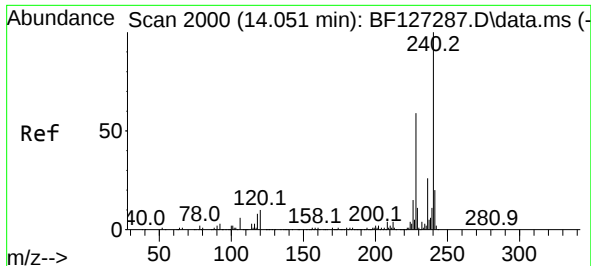


#75
 Fluoranthene
 Concen: 15.704 ng
 RT: 12.615 min Scan# 1756
 Delta R.T. -0.006 min
 Lab File: BF127384.D
 Acq: 17 Mar 2022 19:12



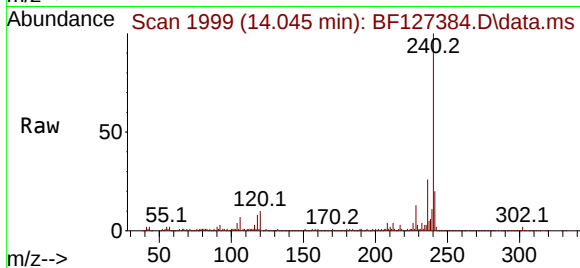
Tgt Ion:202 Resp: 264244
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 35.7
 203 17.2 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

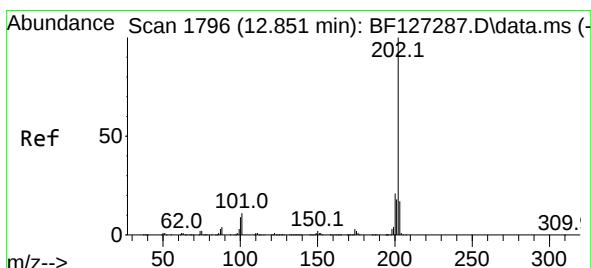
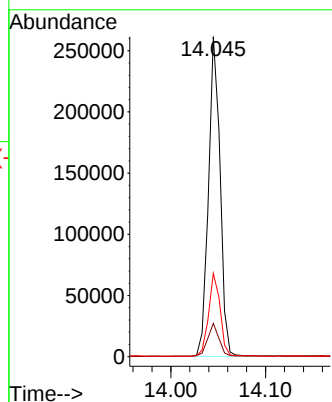
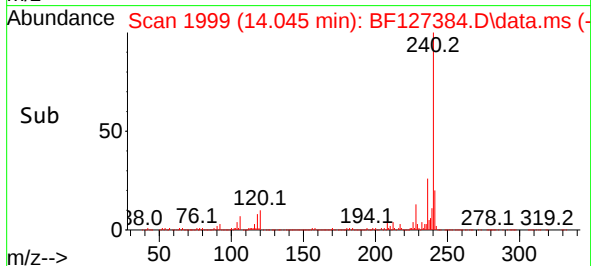
Instrument :
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CL-02-031522



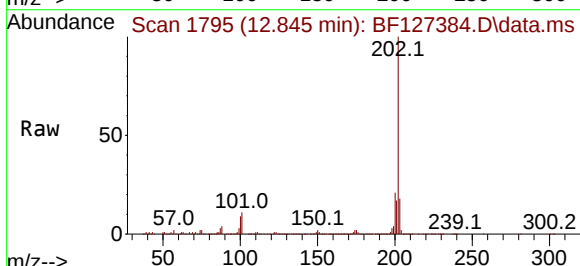
Tgt Ion:240 Resp: 221963
Ion Ratio Lower Upper
240 100
120 10.4 14.4 21.6
236 26.1 20.5 30.7

Manual Integrations
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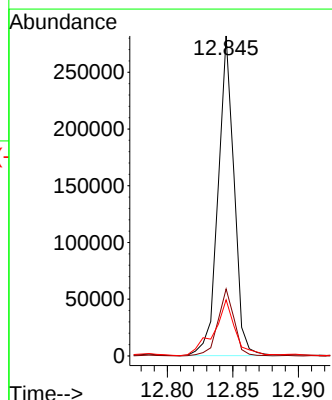
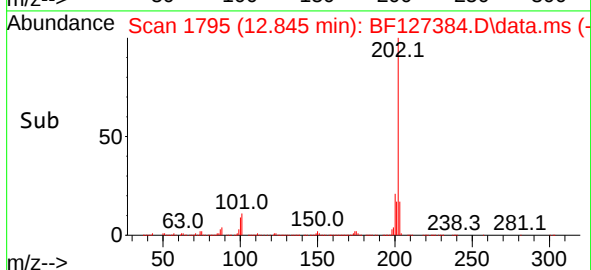
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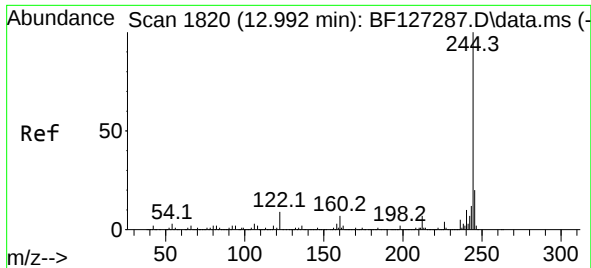


#78
Pyrene
Concen: 13.782 ng
RT: 12.845 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12



Tgt Ion:202 Resp: 238267
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 17.5 13.8 20.8





#79
 Terphenyl-d14
 Concen: 23.788 ng
 RT: 12.980 min Scan# 1818
 Delta R.T. -0.012 min
 Lab File: BF127384.D
 Acq: 17 Mar 2022 19:12

Instrument :

BNA_F

ClientSampleId :

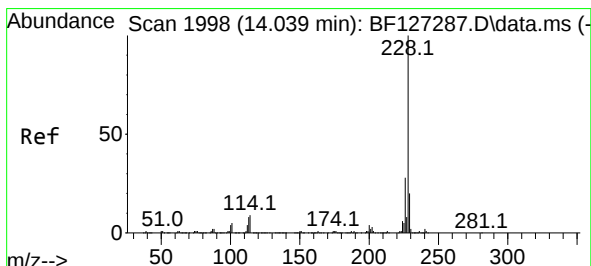
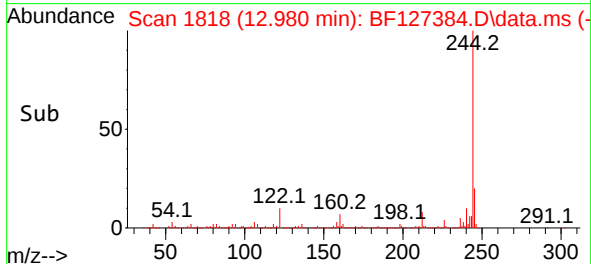
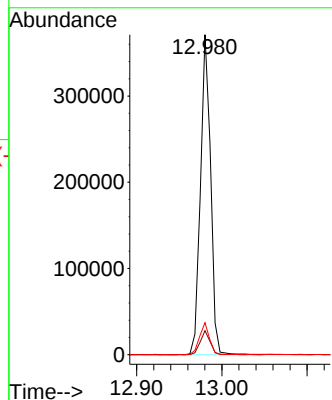
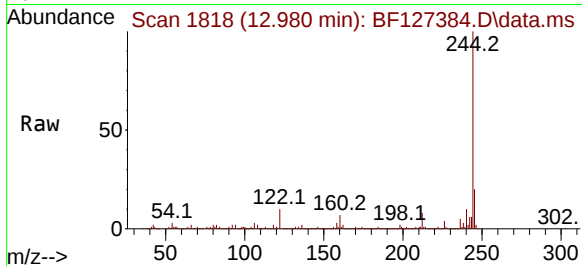
CL-02-031522

Tgt Ion:244 Resp: 306628
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.0 7.4
 122 10.0 13.3 19.9

Manual Integrations

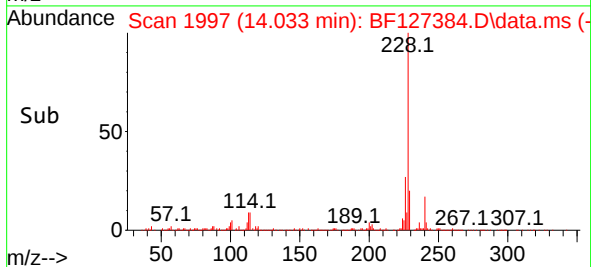
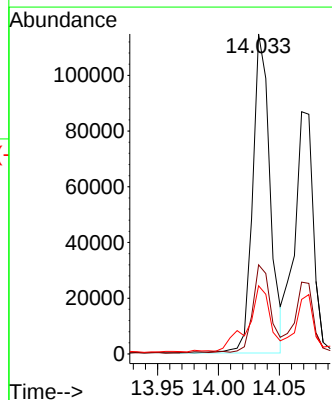
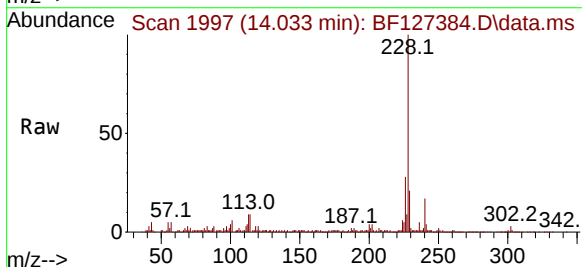
APPROVED

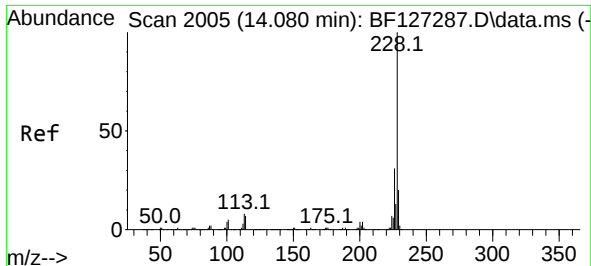
Reviewed By :Christian Giraldo 03/18/2022
 Supervised By :Jagrut Upadhyay 03/18/2022



#81
 Benzo(a)anthracene
 Concen: 7.627 ng
 RT: 14.033 min Scan# 1997
 Delta R.T. -0.006 min
 Lab File: BF127384.D
 Acq: 17 Mar 2022 19:12

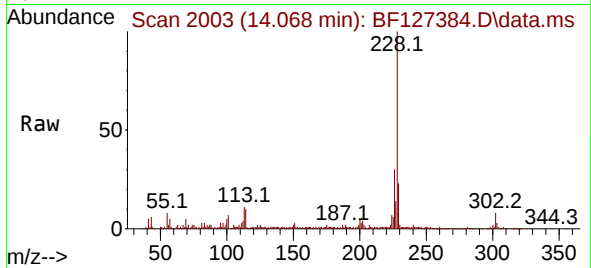
Tgt Ion:228 Resp: 113986
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.4 32.0
 229 21.3 15.4 23.2





#83
Chrysene
Concen: 6.738 ng
RT: 14.068 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

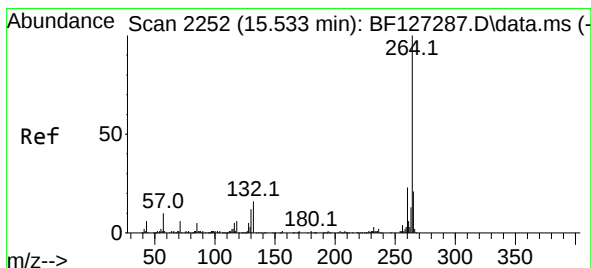
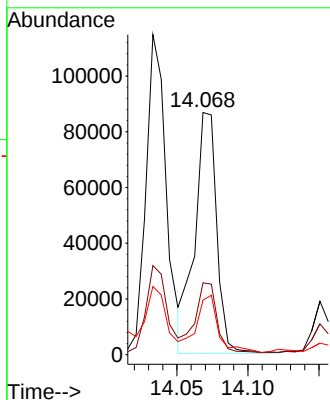
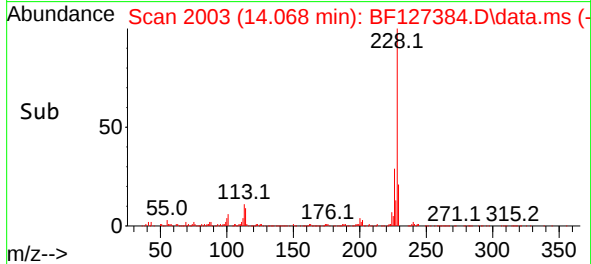
Instrument :
BNA_F
ClientSampleId :
CL-02-031522



Tgt Ion:228 Resp: 93660
Ion Ratio Lower Upper
228 100
226 29.7 23.7 35.5
229 22.5 15.5 23.3

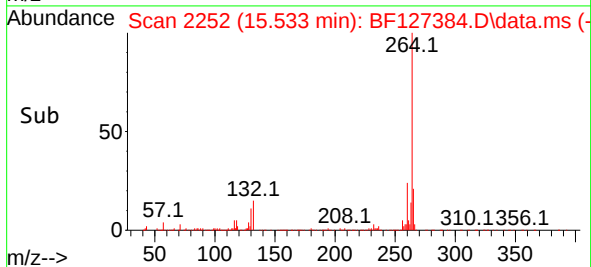
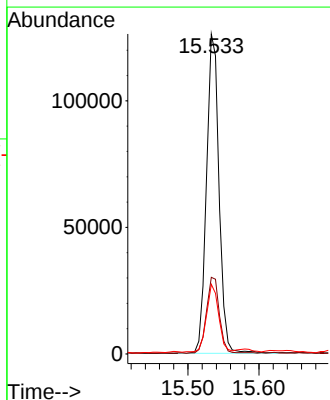
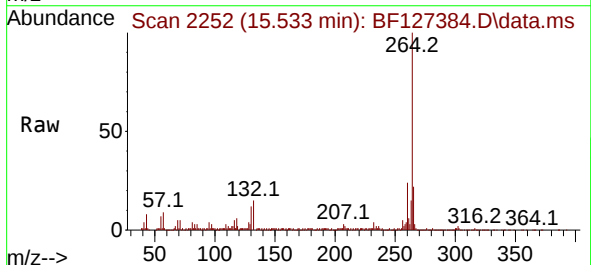
Manual Integrations
APPROVED

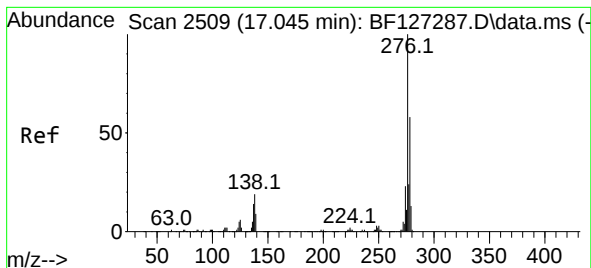
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2252
Delta R.T. -0.000 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

Tgt Ion:264 Resp: 155117
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.722 ng

RT: 17.045 min Scan# 2178

Delta R.T. -0.000 min

Lab File: BF127384.D

Acq: 17 Mar 2022 19:12

Instrument :

BNA_F

ClientSampleId :

CL-02-031522

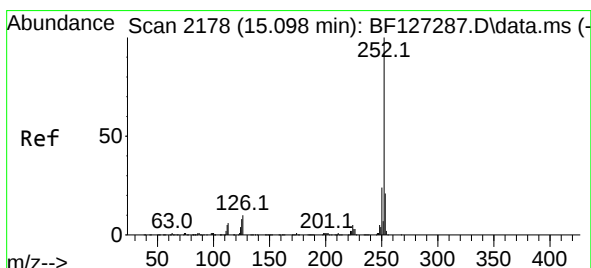
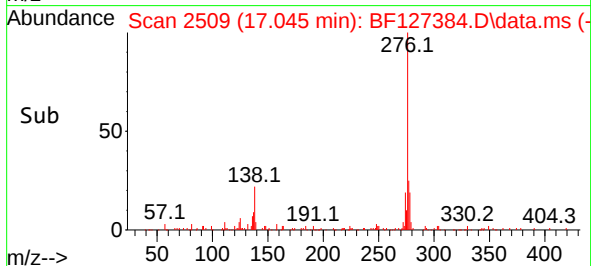
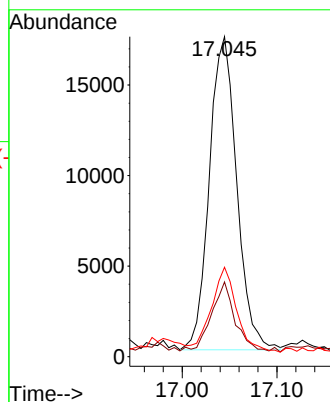
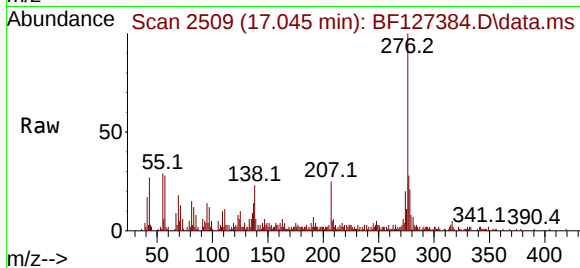
Tgt Ion:	276	Resp:	34779
Ion Ratio	Lower	Upper	
276	100		
138	20.0	29.2	43.8
277	25.5	19.8	29.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/18/2022

Supervised By :Jagrut Upadhyay 03/18/2022



#88

Benzo(b)fluoranthene

Concen: 9.256 ng m

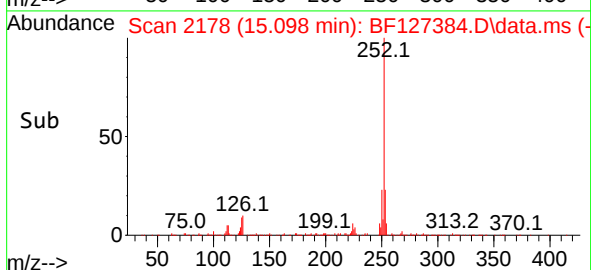
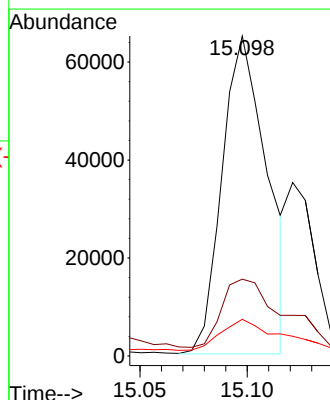
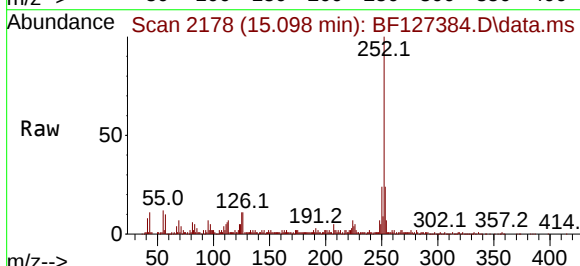
RT: 15.098 min Scan# 2178

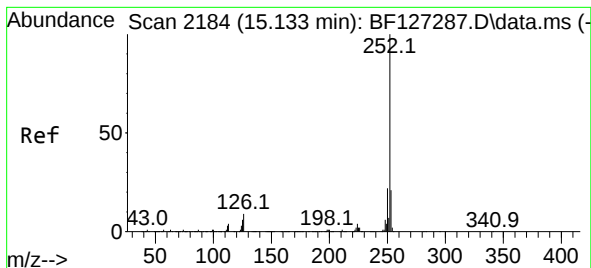
Delta R.T. -0.000 min

Lab File: BF127384.D

Acq: 17 Mar 2022 19:12

Tgt Ion:	252	Resp:	94243
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.8	26.8
125	11.4	12.4	18.6





#89

Benzo(k)fluoranthene

Concen: 3.273 ng m

RT: 15.121 min Scan# 2184

Delta R.T. -0.012 min

Lab File: BF127384.D

Acq: 17 Mar 2022 19:12

Instrument :

BNA_F

ClientSampleId :

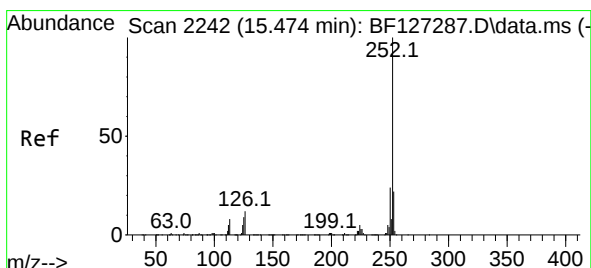
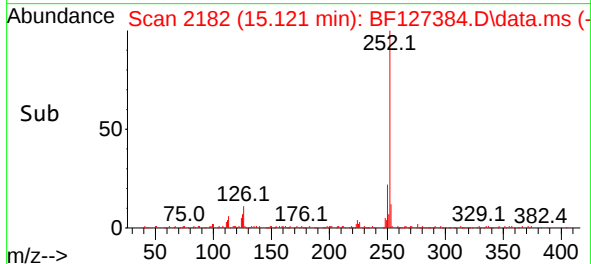
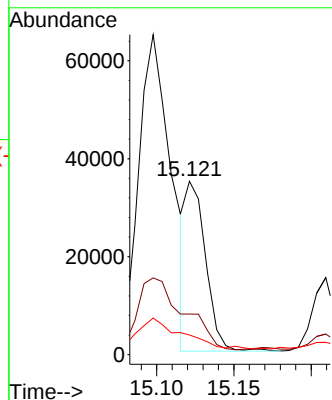
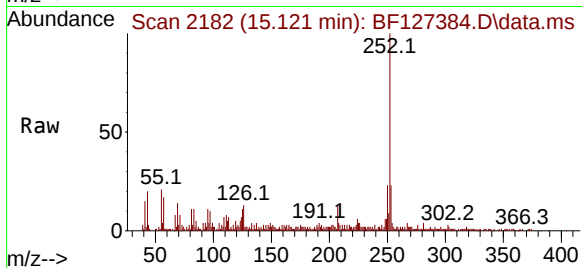
CL-02-031522

Tgt Ion:252 Resp: 31330
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.5 26.3
 125 11.4 11.8 17.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/18/2022
 Supervised By :Jagrut Upadhyay 03/18/2022



#90

Benzo(a)pyrene

Concen: 8.366 ng m

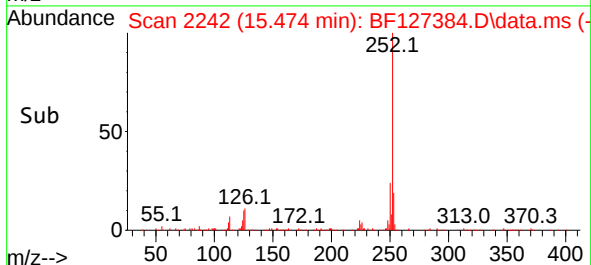
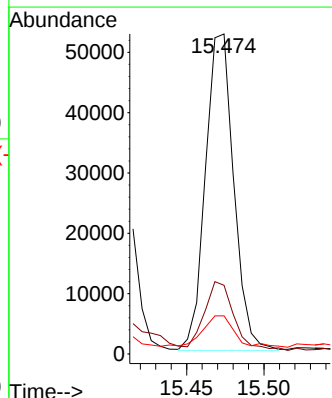
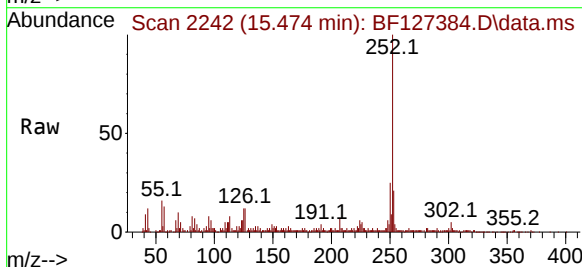
RT: 15.474 min Scan# 2242

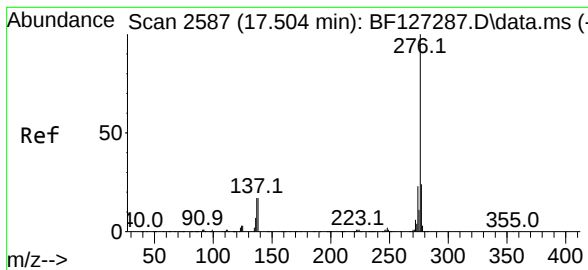
Delta R.T. -0.000 min

Lab File: BF127384.D

Acq: 17 Mar 2022 19:12

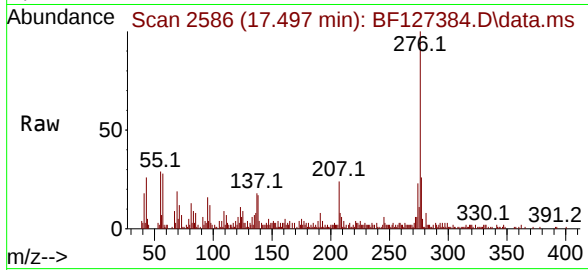
Tgt Ion:252 Resp: 67076
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.1 25.7
 125 11.9 13.0 19.6





#92
 Benzo(g,h,i)perylene
 Concen: 4.449 ng
 RT: 17.497 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF127384.D
 Acq: 17 Mar 2022 19:12

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-031522



Tgt Ion: 276 Resp: 3375

Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.5	27.7
138	17.1	25.9	38.9

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/18/2022
 Supervised By : Jagrut Upadhyay 03/18/2022

