

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
 Data File : BF132488.D
 Acq On : 20 Feb 2023 20:11
 Operator : CG\JU
 Sample : 01552-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-0-2.0

Quant Time: Feb 21 00:05:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 20 13:34:28 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/21/2023
 Supervised By : Jagrut Upadhyay 02/21/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.025	152	180541	20.000	ng	0.00
21) Naphthalene-d8	8.313	136	616216	20.000	ng	0.00
39) Acenaphthene-d10	10.078	164	278990	20.000	ng	0.00
64) Phenanthrene-d10	11.578	188	486630	20.000	ng	0.00
76) Chrysene-d12	14.236	240	264767	20.000	ng	# 0.00
86) Perylene-d12	15.807	264	223890	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.654	112	1074759	95.389	ng	0.01
7) Phenol-d6	6.648	99	1346222	91.504	ng	0.00
23) Nitrobenzene-d5	7.590	82	822278	64.117	ng	0.00
42) 2,4,6-Tribromophenol	10.872	330	249367	89.584	ng	0.00
45) 2-Fluorobiphenyl	9.389	172	1253511	69.386	ng	0.00
79) Terphenyl-d14	13.166	244	1232057	84.747	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	9.937	152	70735	2.627	ng	99
52) Acenaphthene	10.107	154	44590	2.661	ng	99
58) Fluorene	10.625	166	59542	3.167	ng	97
71) Phenanthrene	11.601	178	828592	33.060	ng	99
72) Anthracene	11.648	178	210043	8.152	ng	99
73) Carbazole	11.801	167	75306	3.247	ng	98
75) Fluoranthene	12.801	202	1361280	48.702	ng	99
78) Pyrene	13.036	202	1353228	60.165	ng	99
81) Benzo(a)anthracene	14.224	228	617430	31.840	ng	98
83) Chrysene	14.260	228	558540	30.146	ng	97
84) Bis(2-ethylhexyl)phtha...	14.195	149	173462	15.966	ng	# 97
87) Indeno(1,2,3-cd)pyrene	17.436	276	216485m	15.126	ng	
88) Benzo(b)fluoranthene	15.336	252	605410m	41.119	ng	
89) Benzo(k)fluoranthene	15.366	252	142522m	9.673	ng	
90) Benzo(a)pyrene	15.742	252	411663	30.086	ng	97
91) Dibenzo(a,h)anthracene	17.442	278	55359	4.696	ng	# 79
92) Benzo(g,h,i)perylene	17.930	276	210681	17.403	ng	99

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

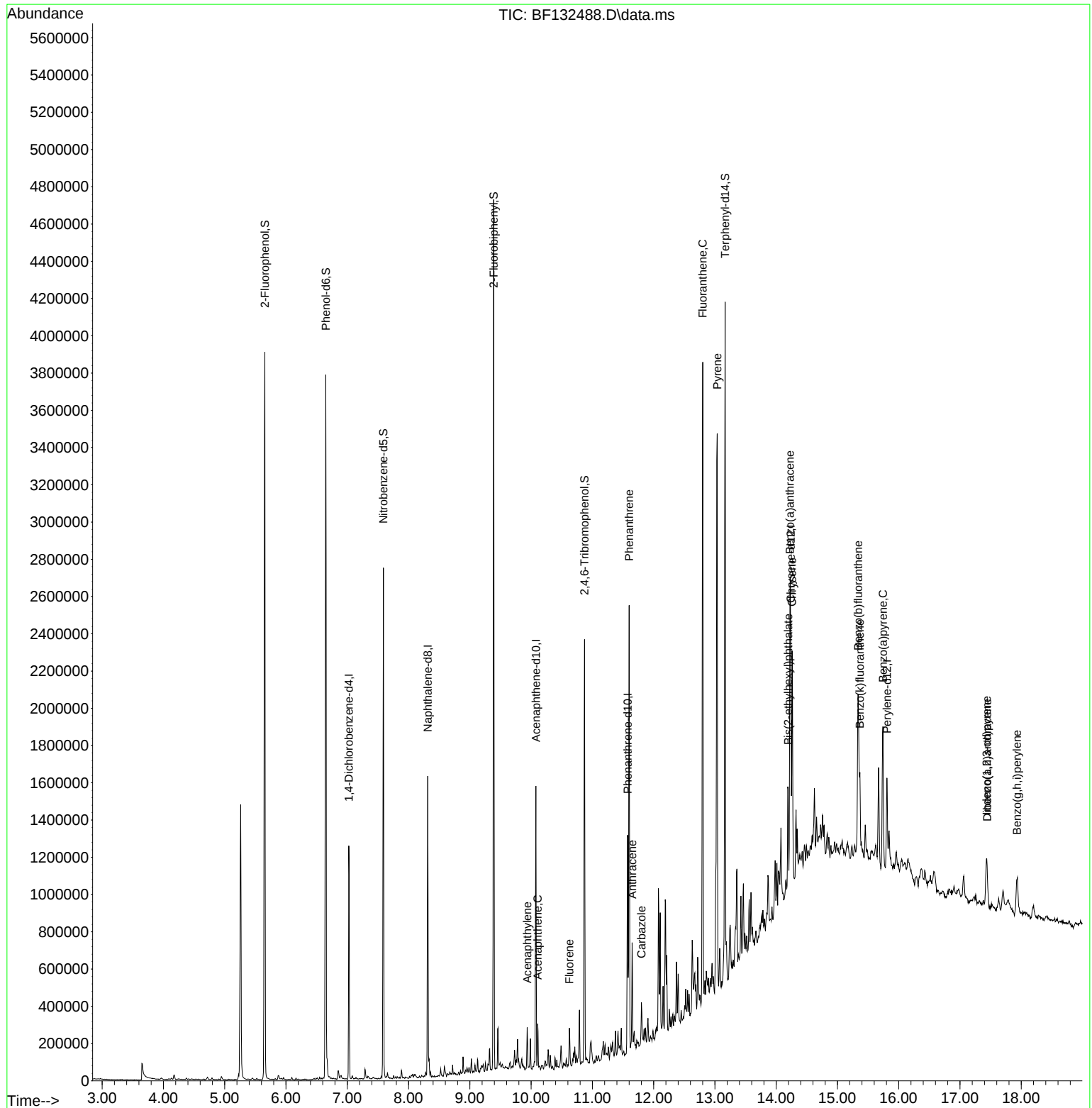
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
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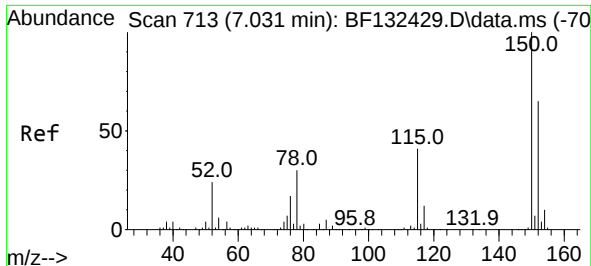
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SB-05-0-2.0

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
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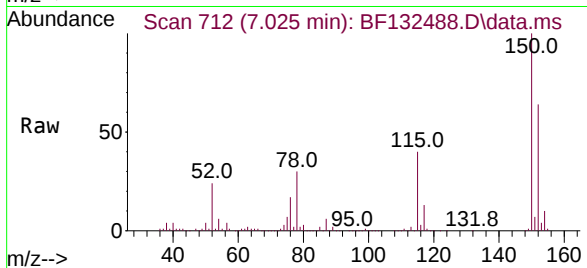
Reviewed By : Christian Giraldo 02/21/2023
Supervised By : Jagrut Upadhyay 02/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

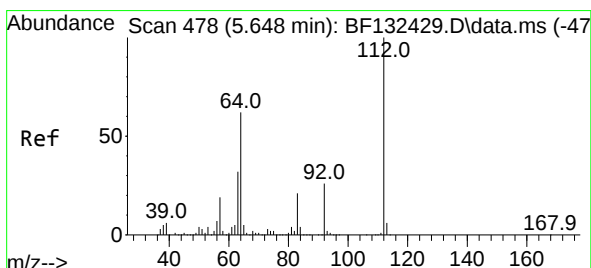
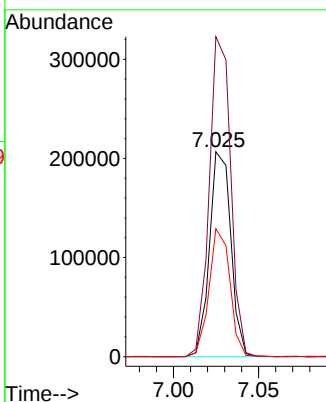
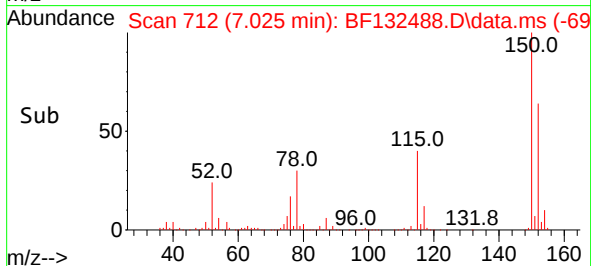
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0



Tgt Ion:152 Resp: 180541
Ion Ratio Lower Upper
152 100
150 156.2 123.8 185.8
115 62.4 50.4 75.6

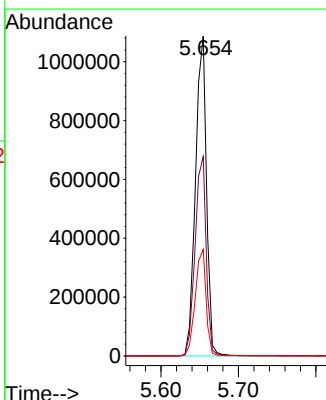
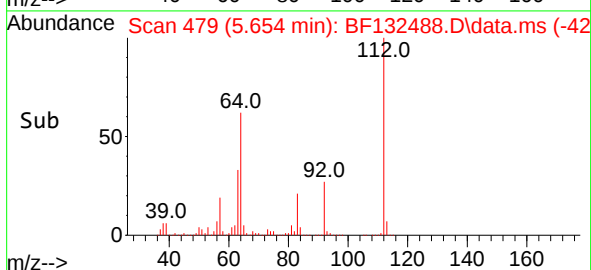
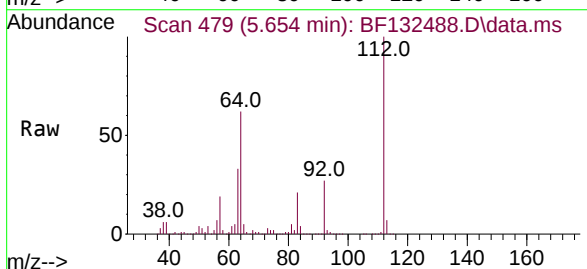
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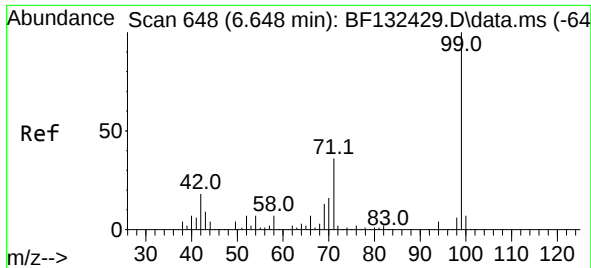
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#5
2-Fluorophenol
Concen: 95.389 ng
RT: 5.654 min Scan# 479
Delta R.T. 0.012 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

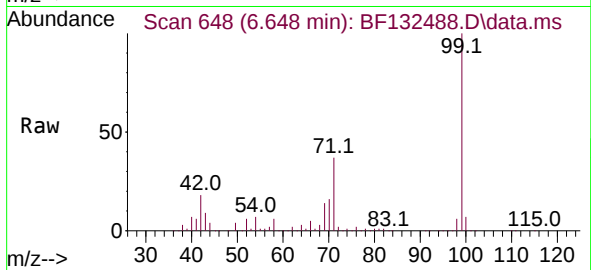
Tgt Ion:112 Resp: 1074759
Ion Ratio Lower Upper
112 100
64 62.3 49.7 74.5
63 33.3 25.8 38.8





#7
Phenol-d6
Concen: 91.504 ng
RT: 6.648 min Scan# 648
Delta R.T. 0.000 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

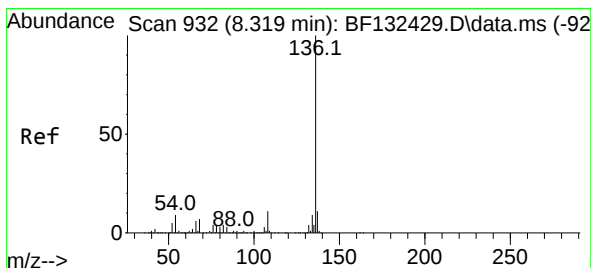
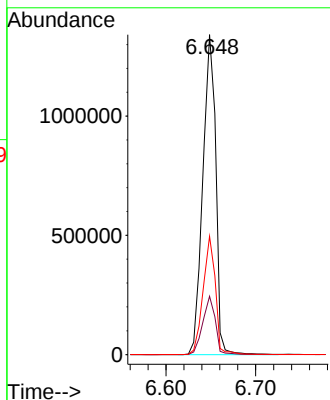
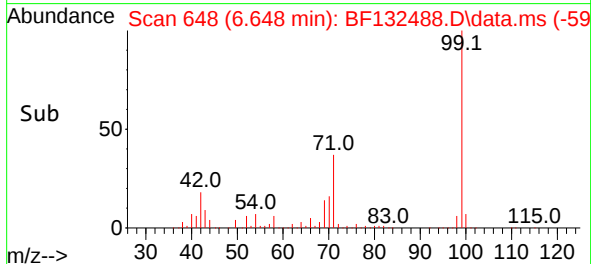
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0



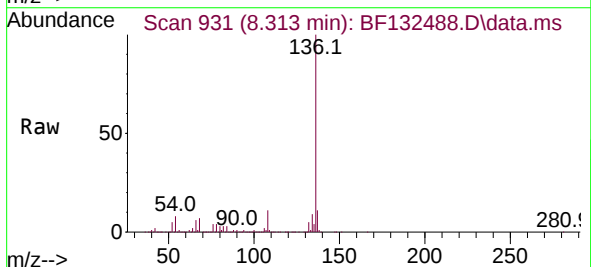
Tgt Ion: 99 Resp: 1346222
Ion Ratio Lower Upper
99 100
42 18.2 14.6 21.8
71 37.0 28.7 43.1

Manual Integrations
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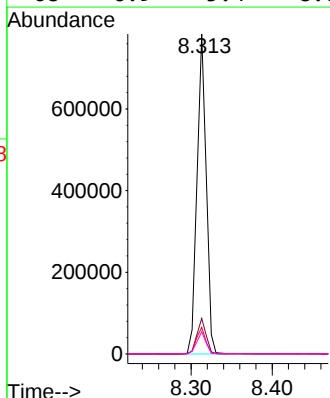
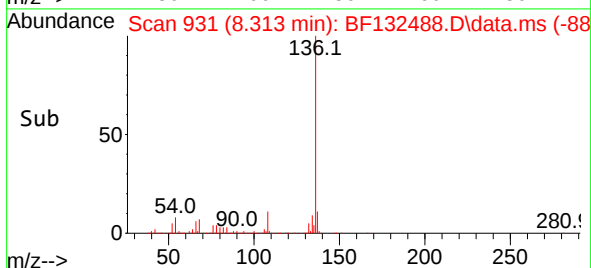
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023

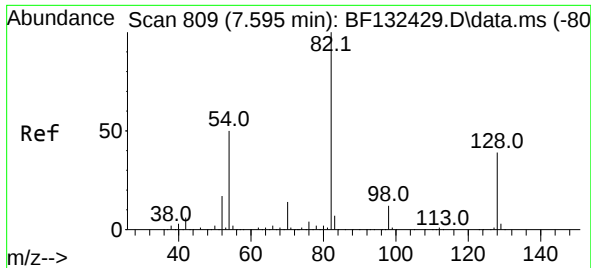


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.313 min Scan# 931
Delta R.T. 0.000 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11



Tgt Ion:136 Resp: 616216
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.3 6.9 10.3
68 6.9 5.4 8.0





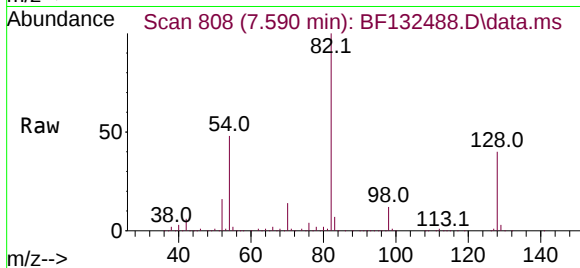
#23
Nitrobenzene-d5
Concen: 64.117 ng
RT: 7.590 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0

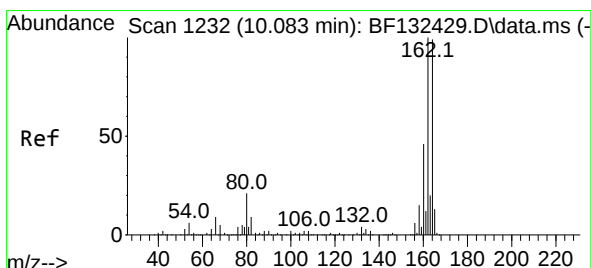
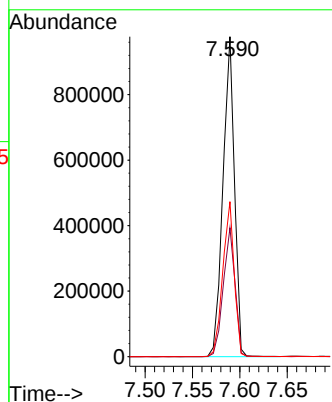
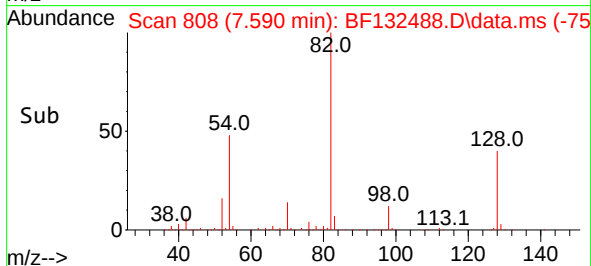


Tgt Ion: 82 Resp: 822278
Ion Ratio Lower Upper
82 100
128 40.3 30.8 46.2
54 48.4 40.2 60.4

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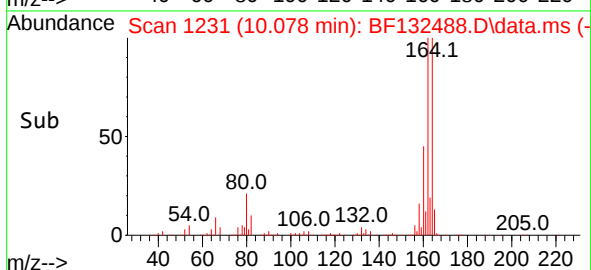
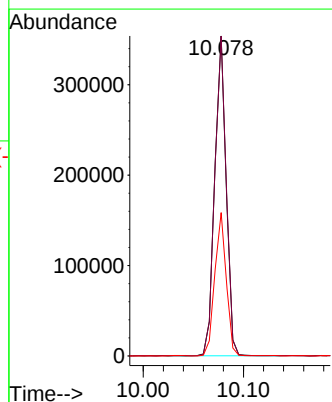
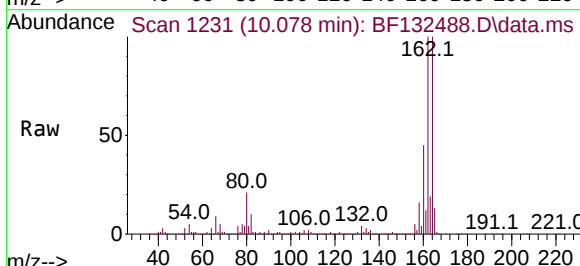
APPROVED

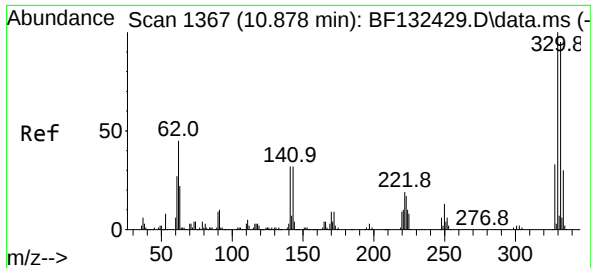
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.078 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

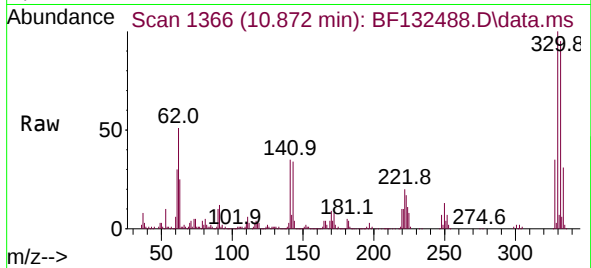
Tgt Ion:164 Resp: 278990
Ion Ratio Lower Upper
164 100
162 99.9 80.8 121.2
160 44.8 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 89.584 ng
RT: 10.872 min Scan# 1366
Delta R.T. 0.000 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

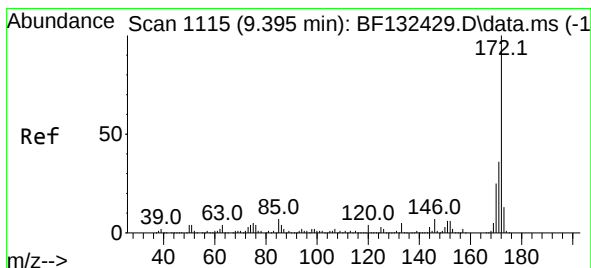
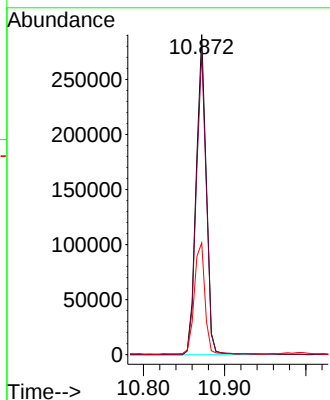
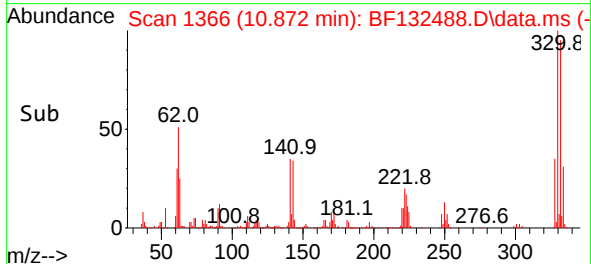
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0



Tgt Ion: 330 Resp: 249362
Ion Ratio Lower Upper
330 100
332 94.1 76.3 114.5
141 36.3 30.3 45.5

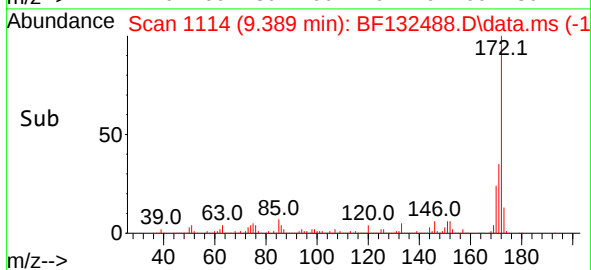
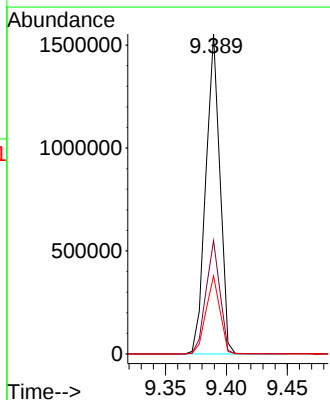
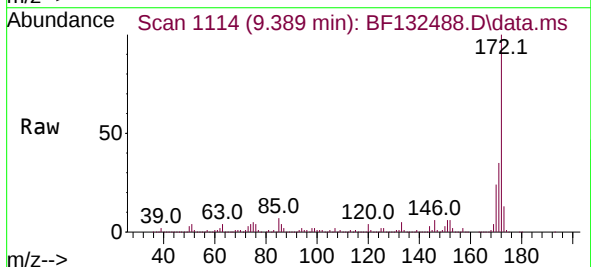
Manual Integrations
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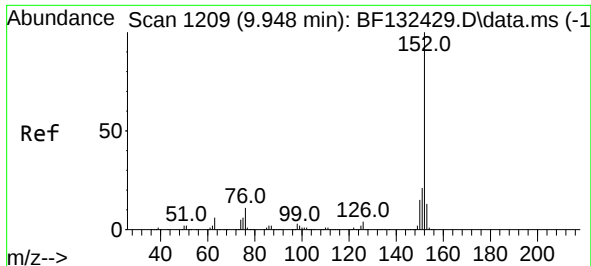
Reviewed By : Christian Giraldo 02/21/2023
Supervised By : Jagrut Upadhyay 02/21/2023



#45
2-Fluorobiphenyl
Concen: 69.386 ng
RT: 9.389 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Tgt Ion: 172 Resp: 1253511
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 24.4 19.9 29.9





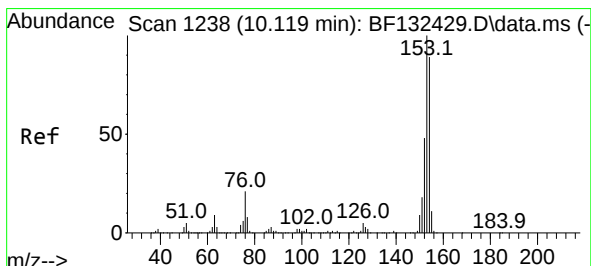
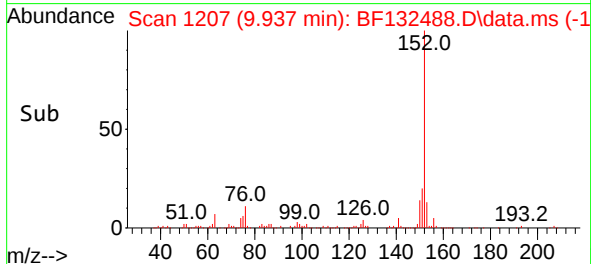
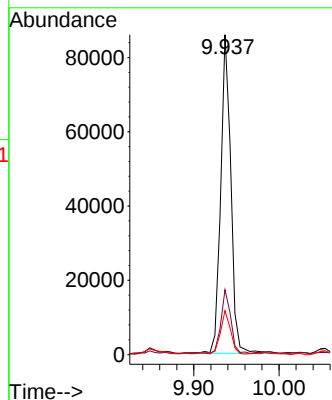
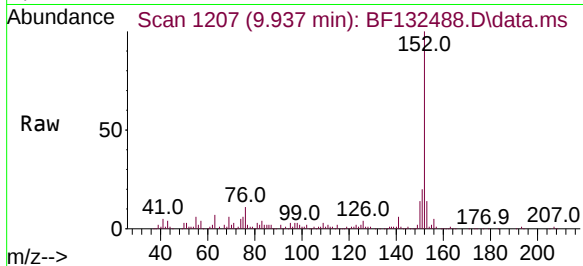
#49
Acenaphthylene
Concen: 2.627 ng
RT: 9.937 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

Tgt Ion:152 Resp: 70735
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6
153 13.7 10.7 16.1

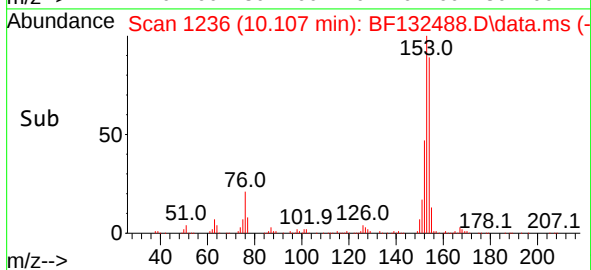
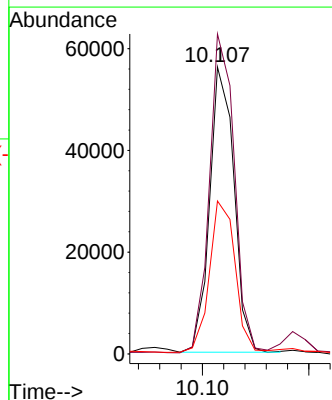
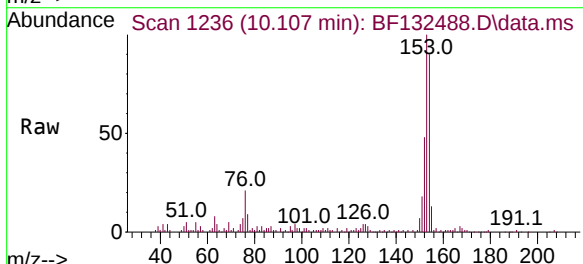
Manual Integrations
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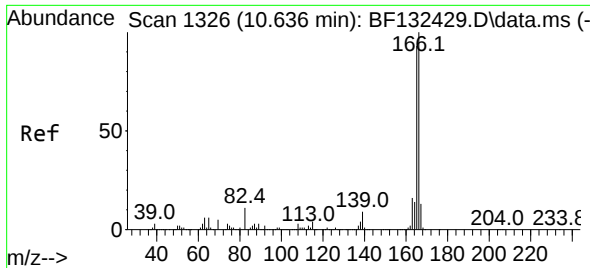
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#52
Acenaphthene
Concen: 2.661 ng
RT: 10.107 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

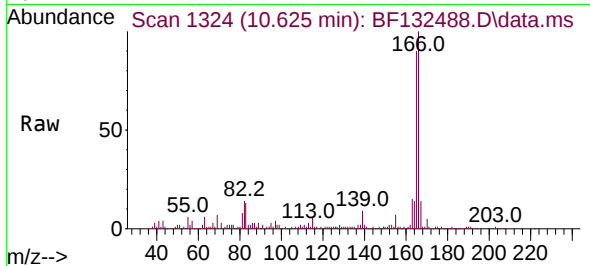
Tgt Ion:154 Resp: 44590
Ion Ratio Lower Upper
154 100
153 111.6 89.7 134.5
152 53.3 43.4 65.0





#58
Fluorene
Concen: 3.167 ng
RT: 10.625 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

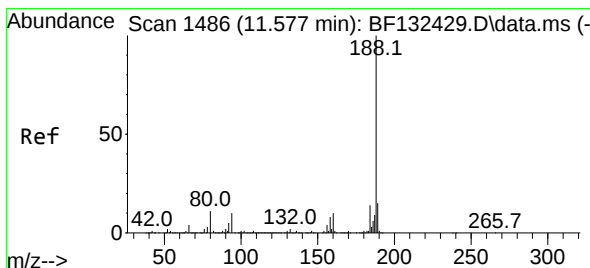
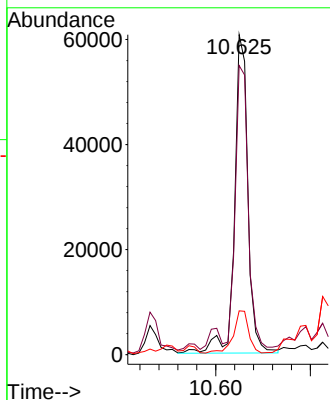
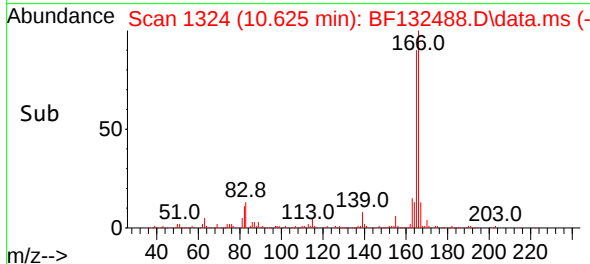
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0



Tgt Ion:166 Resp: 59542
Ion Ratio Lower Upper
166 100
165 90.3 74.6 111.8
167 13.7 10.8 16.2

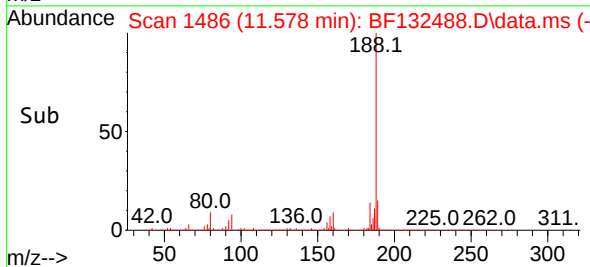
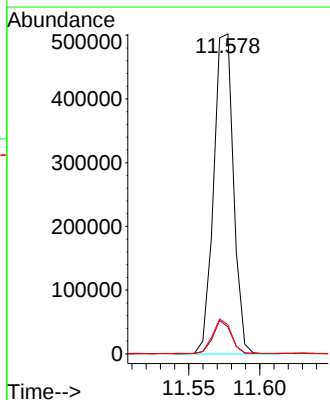
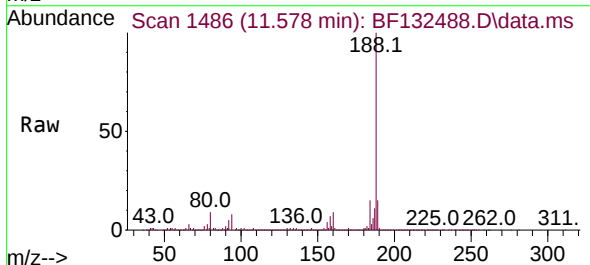
Manual Integrations
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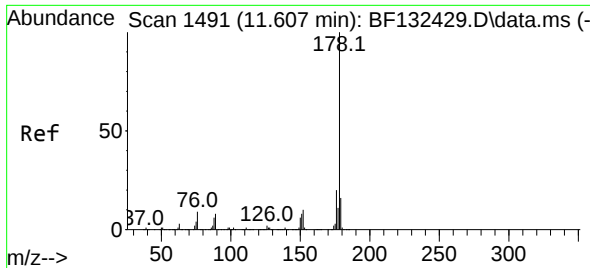
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.578 min Scan# 1486
Delta R.T. 0.006 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

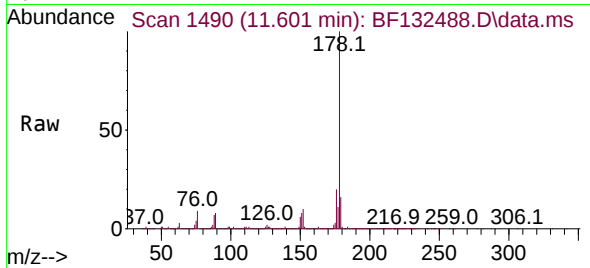
Tgt Ion:188 Resp: 486630
Ion Ratio Lower Upper
188 100
94 8.4 8.0 12.0
80 9.1 8.6 12.8





#71
Phenanthrene
Concen: 33.060 ng
RT: 11.601 min Scan# 1490
Delta R.T. 0.006 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

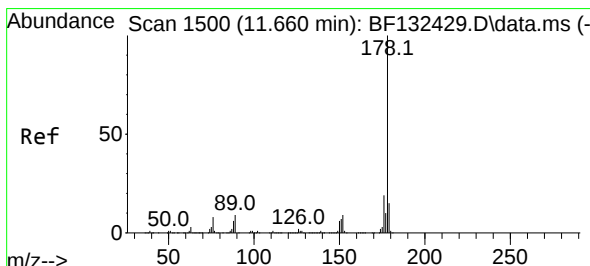
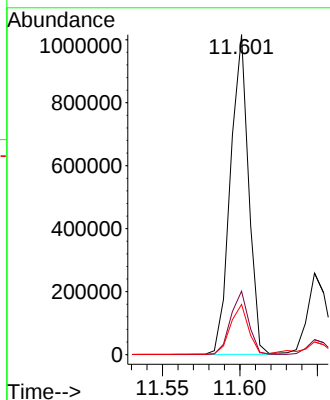
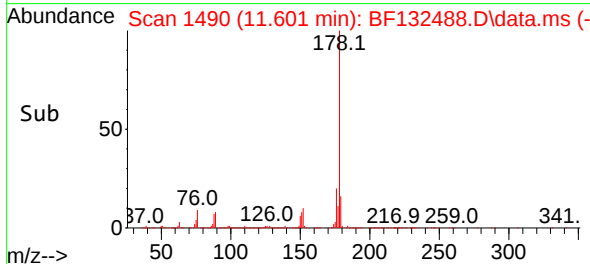
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BNA_F
ClientSampleId :
SB-05-0-2.0



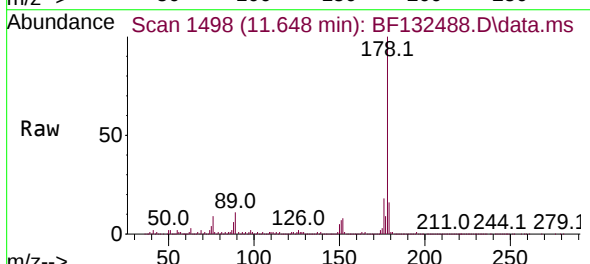
Tgt Ion:178 Resp: 828592
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 15.7 12.6 18.8

Manual Integrations
APPROVED

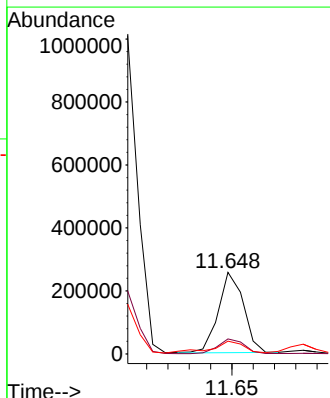
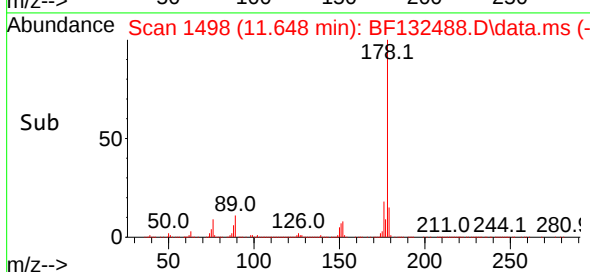
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023

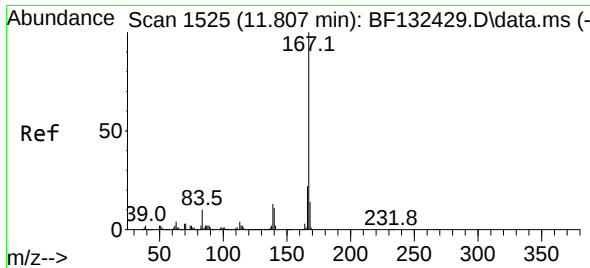


#72
Anthracene
Concen: 8.152 ng
RT: 11.648 min Scan# 1498
Delta R.T. 0.000 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11



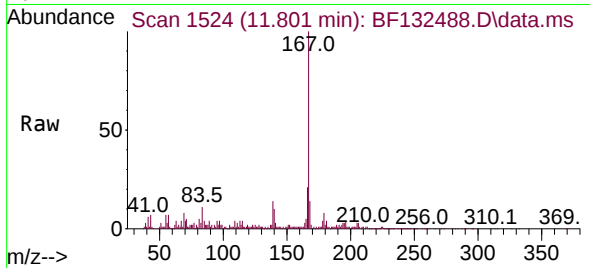
Tgt Ion:178 Resp: 210043
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.2
179 15.6 12.4 18.6





#73
 Carbazole
 Concen: 3.247 ng
 RT: 11.801 min Scan# 1525
 Delta R.T. 0.000 min
 Lab File: BF132488.D
 Acq: 20 Feb 2023 20:11

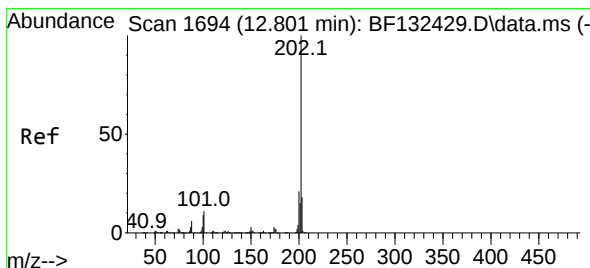
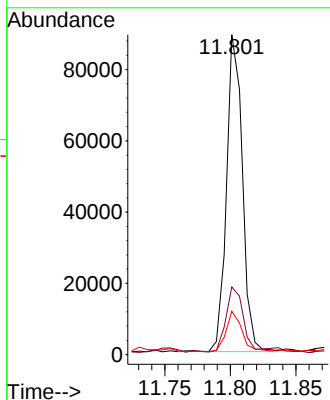
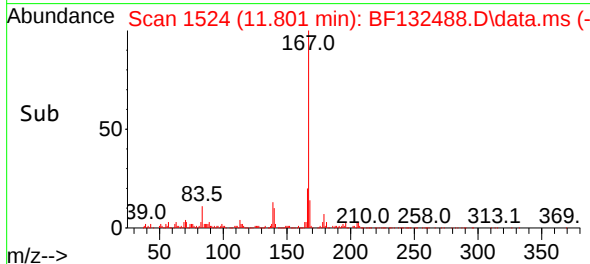
Instrument :
 BNA_F
 ClientSampleId :
 SB-05-0-2.0



Tgt Ion:167 Resp: 75306
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.8 26.8
 139 13.5 10.7 16.1

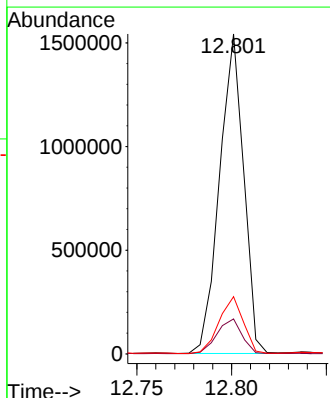
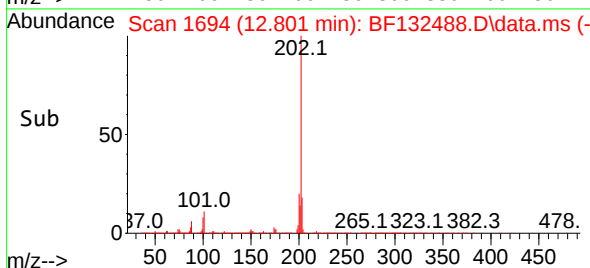
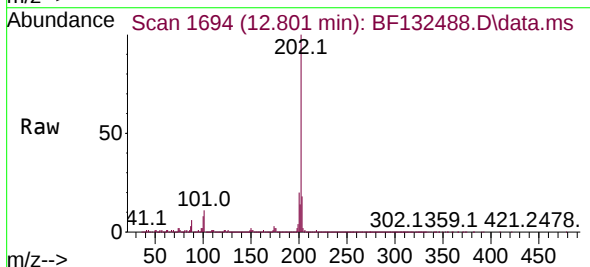
Manual Integrations
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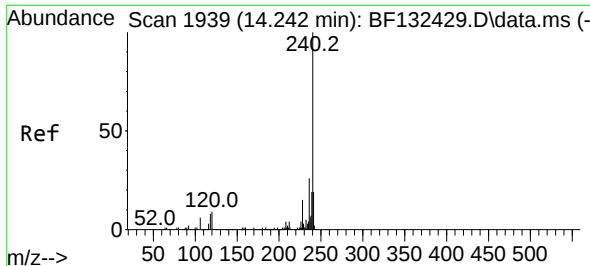
Reviewed By :Christian Giraldo 02/21/2023
 Supervised By :Jagrut Upadhyay 02/21/2023



#75
 Fluoranthene
 Concen: 48.702 ng
 RT: 12.801 min Scan# 1694
 Delta R.T. 0.006 min
 Lab File: BF132488.D
 Acq: 20 Feb 2023 20:11

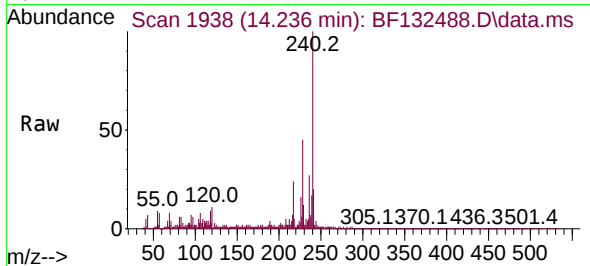
Tgt Ion:202 Resp: 1361280
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 31.3
 203 17.9 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.236 min Scan# 1939
Delta R.T. 0.006 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

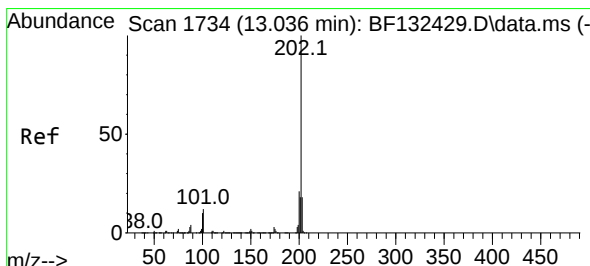
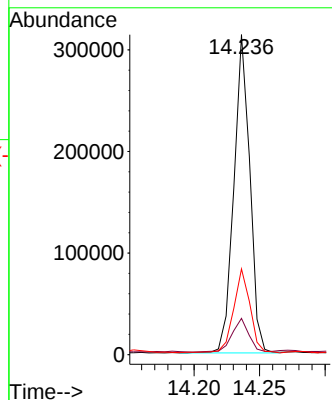
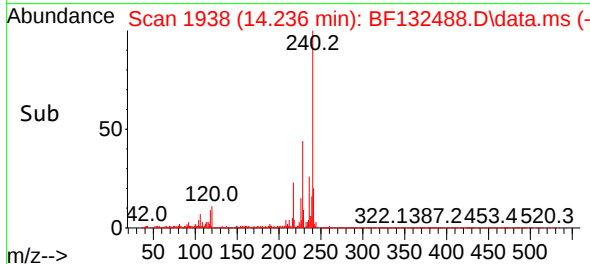
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0



Tgt Ion:240 Resp: 264762
Ion Ratio Lower Upper
240 100
120 11.3 7.5 11.3
236 26.8 21.0 31.6

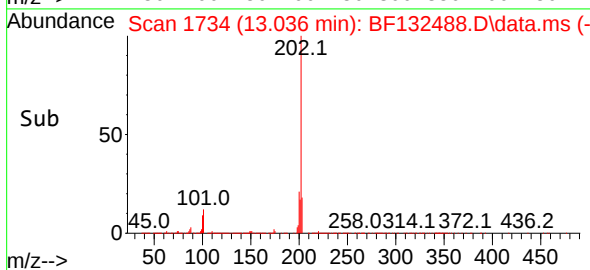
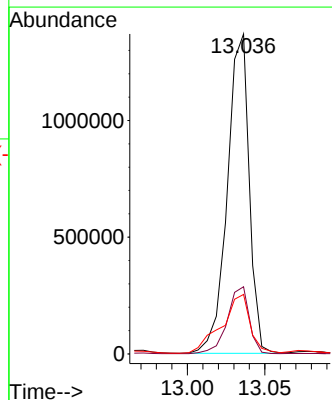
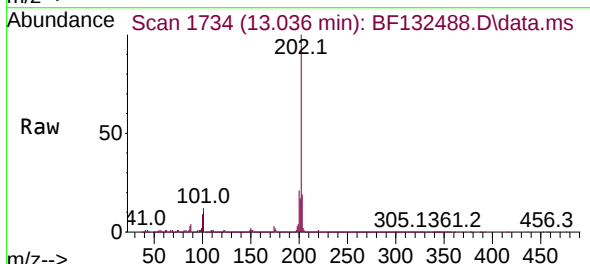
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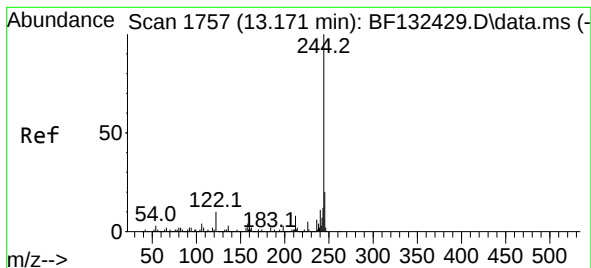
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#78
Pyrene
Concen: 60.165 ng
RT: 13.036 min Scan# 1734
Delta R.T. 0.012 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Tgt Ion:202 Resp: 1353228
Ion Ratio Lower Upper
202 100
200 21.0 16.6 25.0
203 18.6 14.3 21.5





#79

Terphenyl-d14

Concen: 84.747 ng

RT: 13.166 min Scan# 1757

Delta R.T. 0.006 min

Lab File: BF132488.D

Acq: 20 Feb 2023 20:11

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0

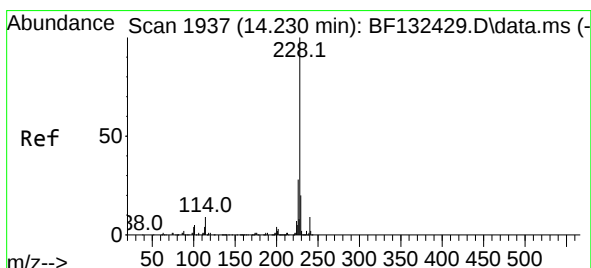
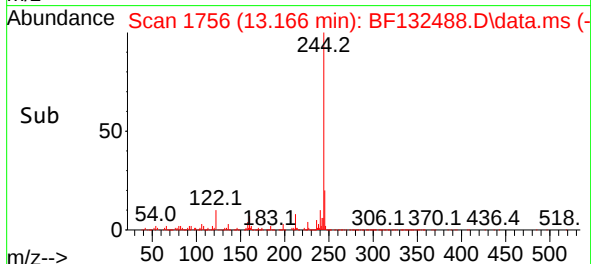
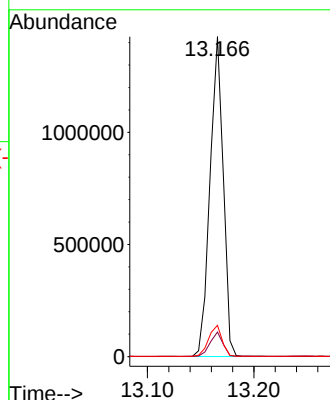
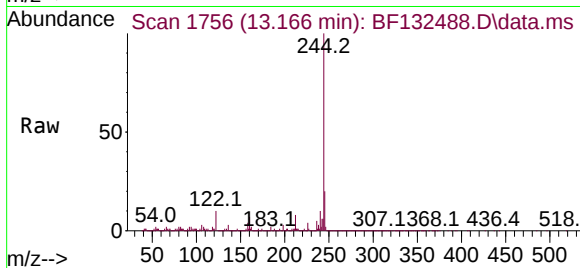
Tgt Ion:244 Resp: 123205

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.7	10.1
122	9.8	7.7	11.5

Manual Integrations

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Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#81

Benzo(a)anthracene

Concen: 31.840 ng

RT: 14.224 min Scan# 1936

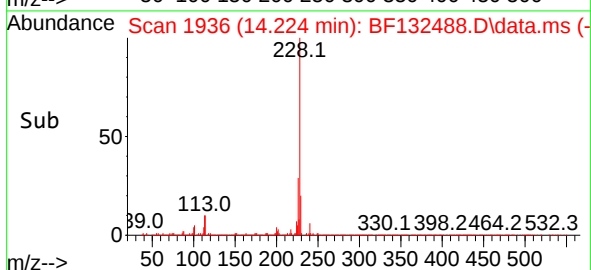
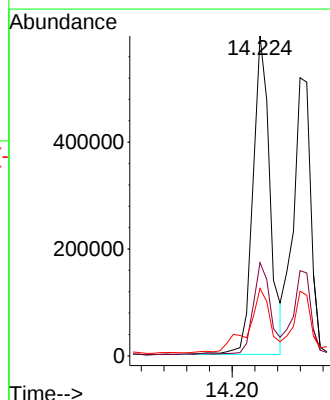
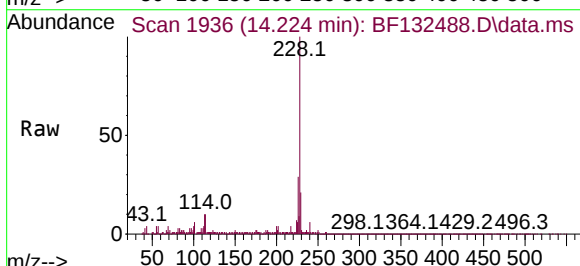
Delta R.T. 0.006 min

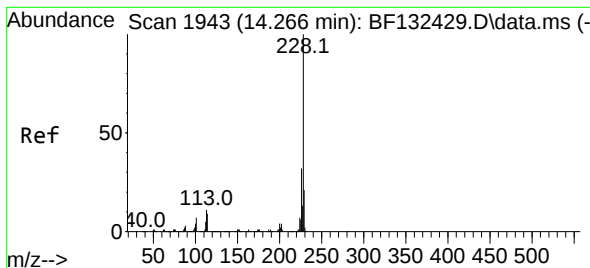
Lab File: BF132488.D

Acq: 20 Feb 2023 20:11

Tgt Ion:228 Resp: 617430

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	34.0
229	21.1	16.2	24.4





#83

Chrysene

Concen: 30.146 ng

RT: 14.260 min Scan# 1943

Delta R.T. 0.000 min

Lab File: BF132488.D

Acq: 20 Feb 2023 20:11

Instrument :

BNA_F

ClientSampleId :

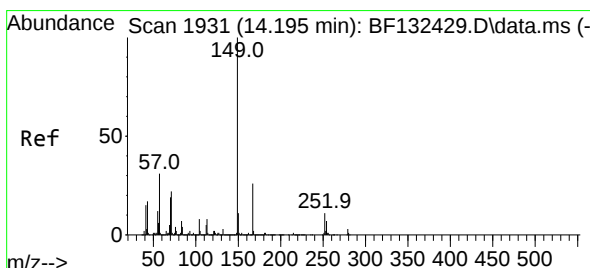
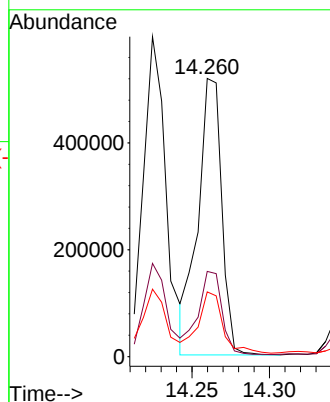
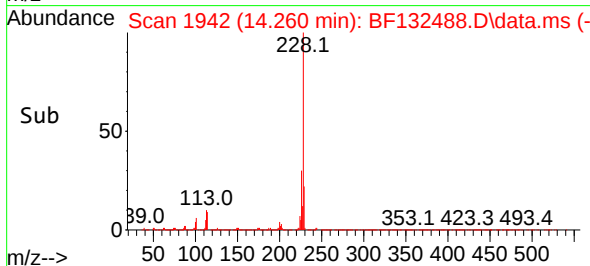
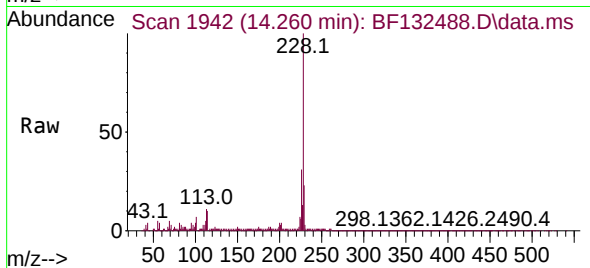
SB-05-0-2.0

Tgt Ion:228 Resp: 558540
 Ion Ratio Lower Upper
 228 100
 226 30.6 25.4 38.2
 229 23.3 16.6 25.0

Manual Integrations

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Reviewed By :Christian Giraldo 02/21/2023
 Supervised By :Jagrut Upadhyay 02/21/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 15.966 ng

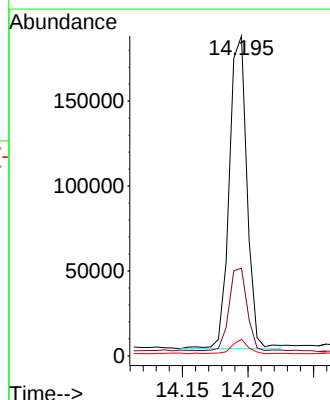
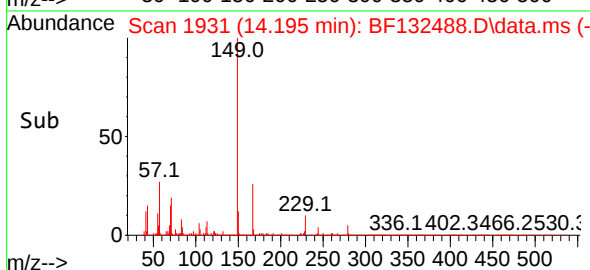
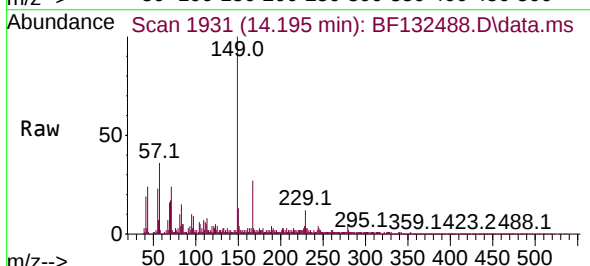
RT: 14.195 min Scan# 1931

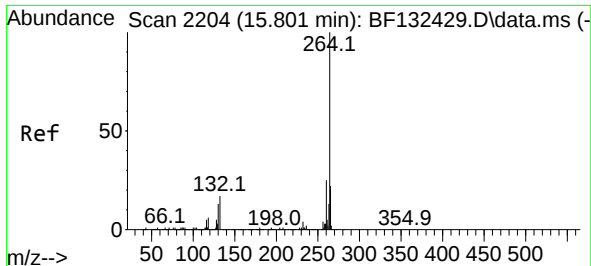
Delta R.T. 0.006 min

Lab File: BF132488.D

Acq: 20 Feb 2023 20:11

Tgt Ion:149 Resp: 173462
 Ion Ratio Lower Upper
 149 100
 167 27.4 21.0 31.6
 279 5.2 2.5 3.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.807 min Scan# 2204
Delta R.T. 0.024 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Instrument :

BNA_F

ClientSampleId :

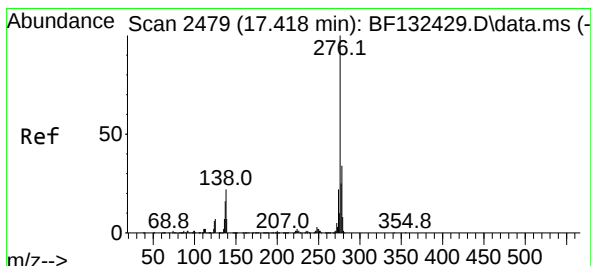
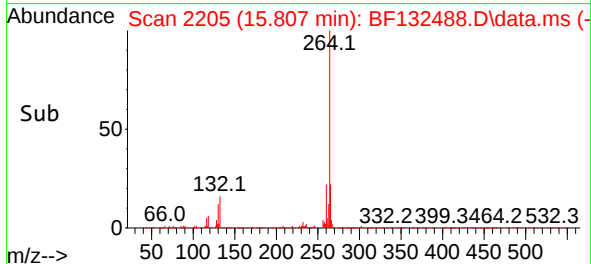
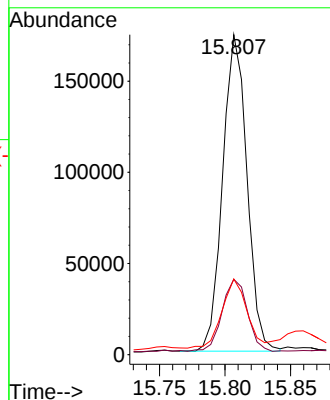
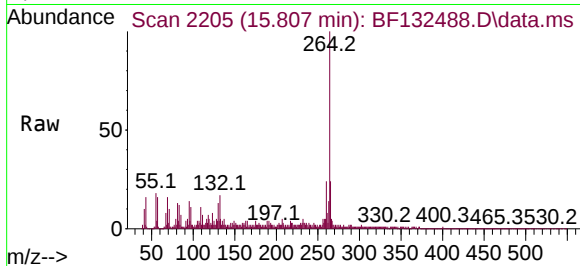
SB-05-0-2.0

Tgt Ion:264 Resp: 223890
Ion Ratio Lower Upper
264 100
260 23.5 20.0 30.0
265 23.6 17.2 25.8

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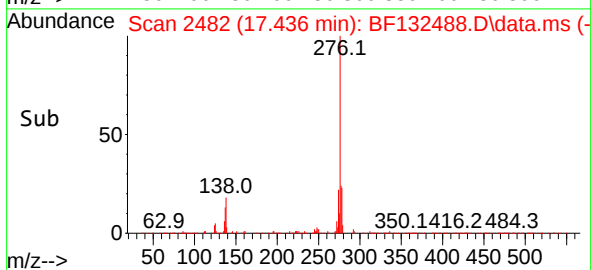
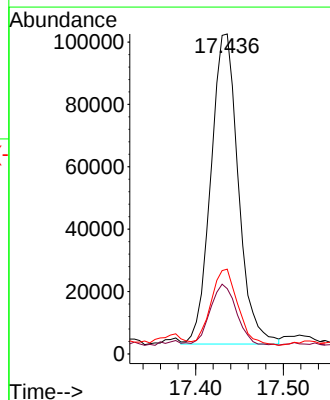
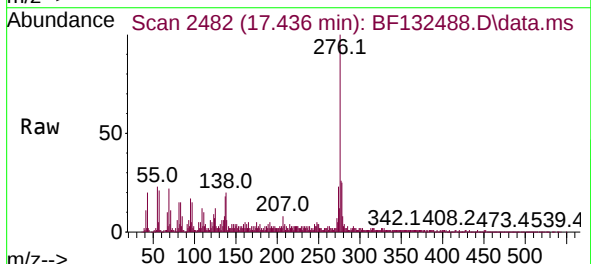
APPROVED

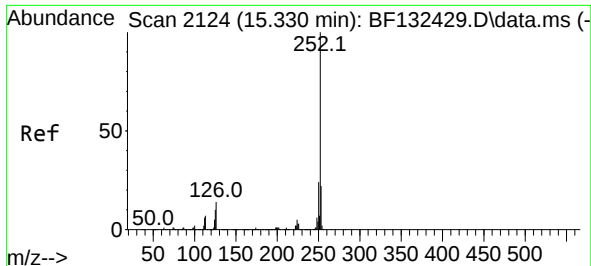
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 15.126 ng m
RT: 17.436 min Scan# 2482
Delta R.T. 0.035 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

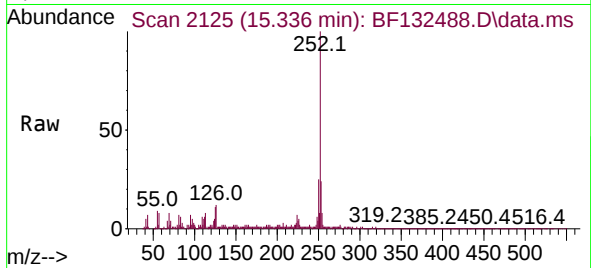
Tgt Ion:276 Resp: 216485
Ion Ratio Lower Upper
276 100
138 5.1 20.2 30.4#
277 4.5 20.0 30.0#





#88
Benzo(b)fluoranthene
Concen: 41.119 ng m
RT: 15.336 min Scan# 2124
Delta R.T. 0.018 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

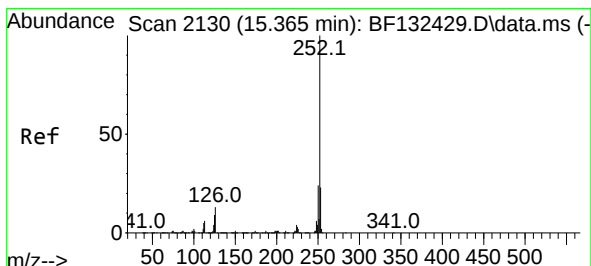
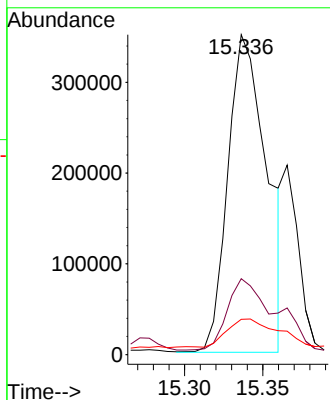
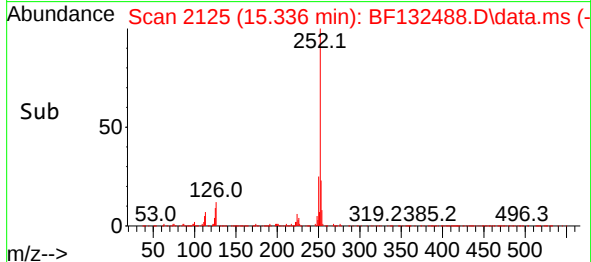
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0



Tgt Ion:252 Resp: 605410
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 11.0 7.6 11.4

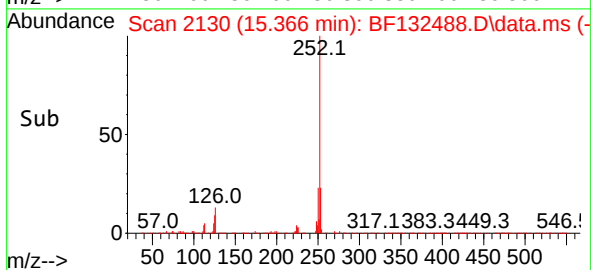
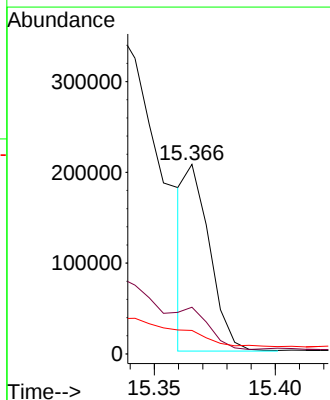
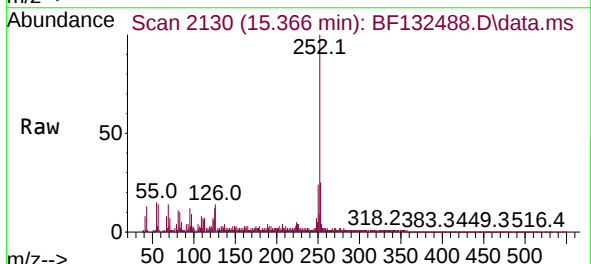
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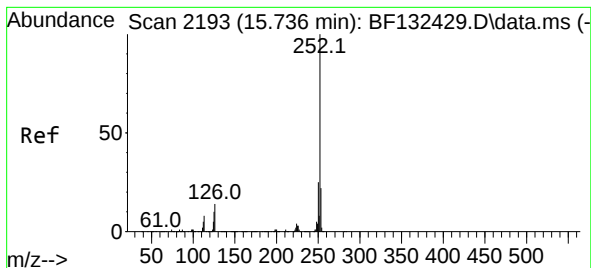
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#89
Benzo(k)fluoranthene
Concen: 9.673 ng m
RT: 15.366 min Scan# 2130
Delta R.T. 0.012 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Tgt Ion:252 Resp: 142522
Ion Ratio Lower Upper
252 100
253 24.6 18.2 27.2
125 12.4 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 30.086 ng

RT: 15.742 min Scan# 2193

Delta R.T. 0.024 min

Lab File: BF132488.D

Acq: 20 Feb 2023 20:11

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0

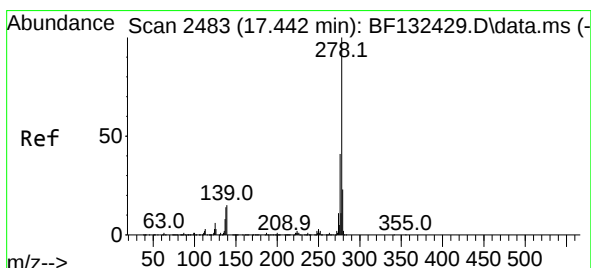
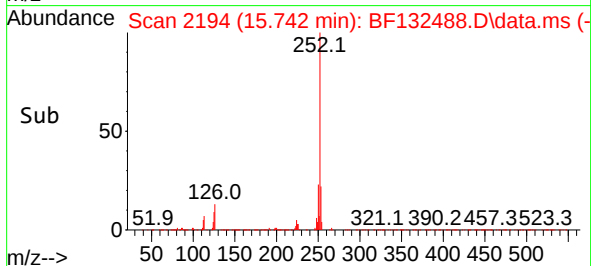
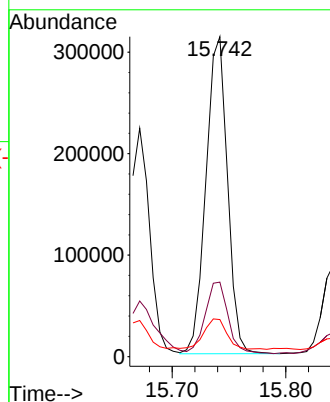
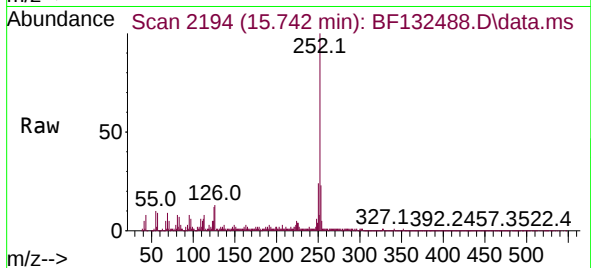
Tgt Ion:252 Resp: 411663

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	11.6	8.2	12.4

Manual Integrations

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Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#91

Dibenzo(a,h)anthracene

Concen: 4.696 ng

RT: 17.442 min Scan# 2483

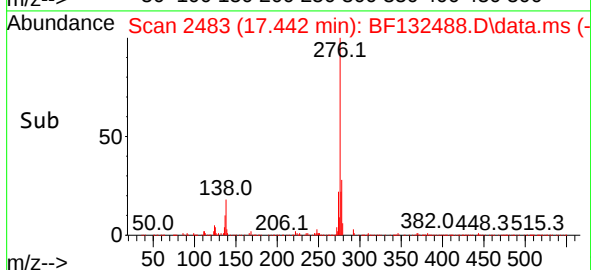
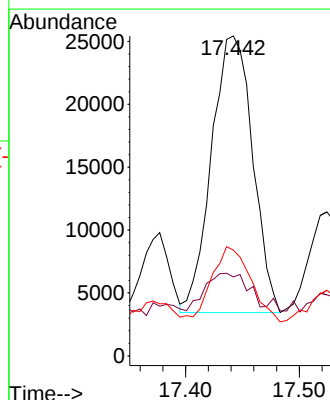
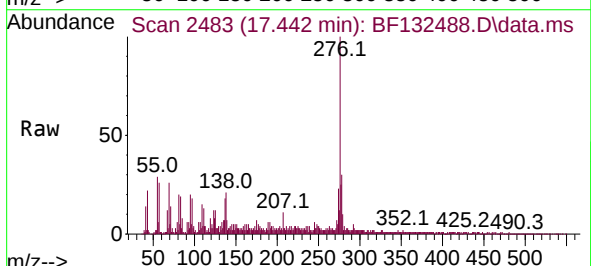
Delta R.T. 0.024 min

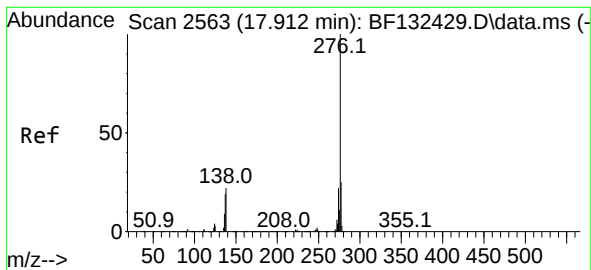
Lab File: BF132488.D

Acq: 20 Feb 2023 20:11

Tgt Ion:278 Resp: 55359

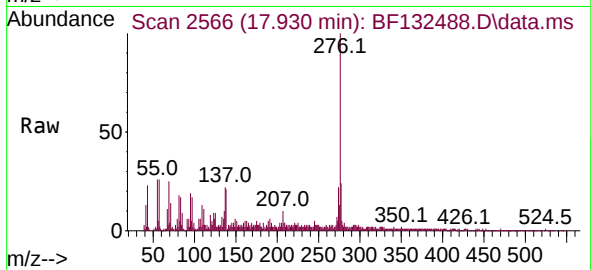
Ion	Ratio	Lower	Upper
278	100		
139	24.7	12.2	18.2#
279	33.1	18.8	28.2#





#92
Benzo(g,h,i)perylene
Concen: 17.403 ng
RT: 17.930 min Scan# 210681
Delta R.T. 0.035 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0



Tgt Ion: 276 Resp: 210681
Ion Ratio Lower Upper
276 100
277 24.2 19.6 29.4
138 20.9 17.7 26.5

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Reviewed By : Christian Giraldo 02/21/2023
Supervised By : Jagrut Upadhyay 02/21/2023

