

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
 Data File : BF132485.D
 Acq On : 20 Feb 2023 18:34
 Operator : CG\JU
 Sample : 01587-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-02162023

Manual Integrations
 APPROVED

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

Quant Time: Feb 21 00:04:38 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.025	152	216575	20.000	ng	0.00
21) Naphthalene-d8	8.313	136	723614	20.000	ng	0.00
39) Acenaphthene-d10	10.078	164	308278	20.000	ng	0.00
64) Phenanthrene-d10	11.572	188	512430	20.000	ng	0.00
76) Chrysene-d12	14.236	240	300941	20.000	ng	0.00
86) Perylene-d12	15.807	264	254361	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.643	112	578006	42.765	ng	0.00
7) Phenol-d6	6.643	99	717734	40.668	ng	0.00
23) Nitrobenzene-d5	7.584	82	432489	28.718	ng	-0.01
42) 2,4,6-Tribromophenol	10.866	330	114089	37.092	ng	0.00
45) 2-Fluorobiphenyl	9.389	172	655142	32.819	ng	0.00
79) Terphenyl-d14	13.160	244	585173	35.413	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.625	166	44527	2.144	ng	# 93
71) Phenanthrene	11.595	178	617414	23.394	ng	99
72) Anthracene	11.648	178	175107	6.454	ng	99
73) Carbazole	11.801	167	84742	3.470	ng	100
75) Fluoranthene	12.801	202	1466346	49.820	ng	99
78) Pyrene	13.030	202	1296209	50.703	ng	99
81) Benzo(a)anthracene	14.224	228	609632	27.659	ng	99
83) Chrysene	14.260	228	614786m	29.193	ng	
87) Indeno(1,2,3-cd)pyrene	17.424	276	213763	13.147	ng	95
88) Benzo(b)fluoranthene	15.336	252	622011m	37.186	ng	
89) Benzo(k)fluoranthene	15.360	252	171872m	10.268	ng	
90) Benzo(a)pyrene	15.736	252	388450	24.989	ng	95
91) Dibenzo(a,h)anthracene	17.430	278	57490	4.293	ng	# 80
92) Benzo(g,h,i)perylene	17.924	276	209374	15.224	ng	99

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

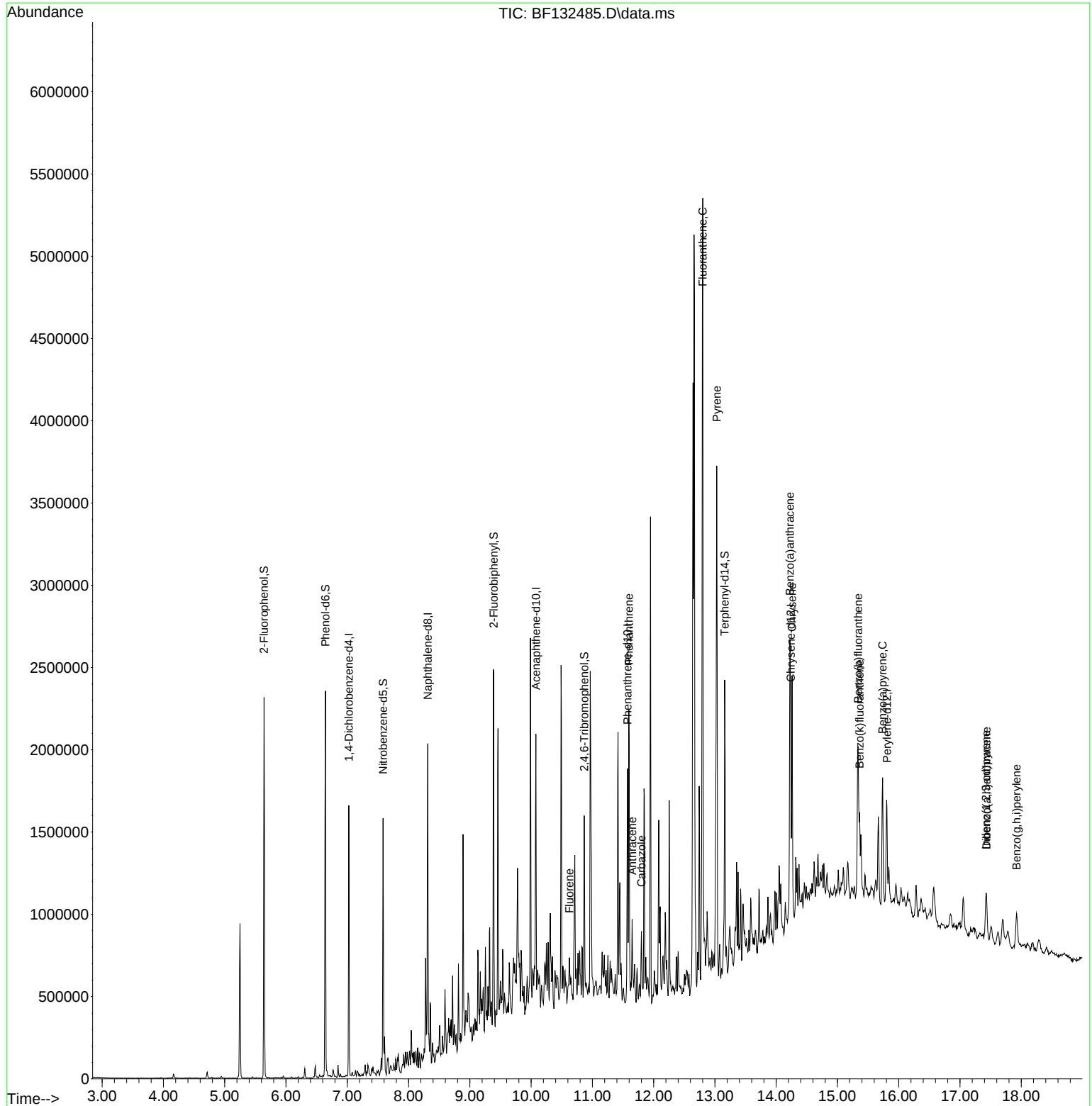
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
Data File : BF132485.D
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ALS Vial : 16 Sample Multiplier: 1

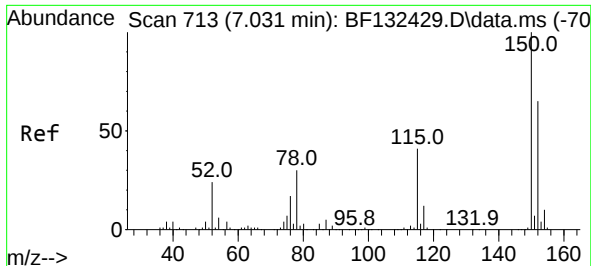
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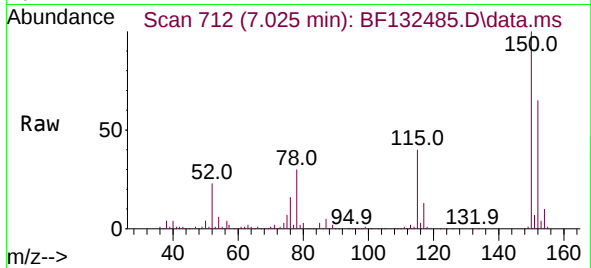
Quant Time: Feb 21 00:04:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 20 13:34:28 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

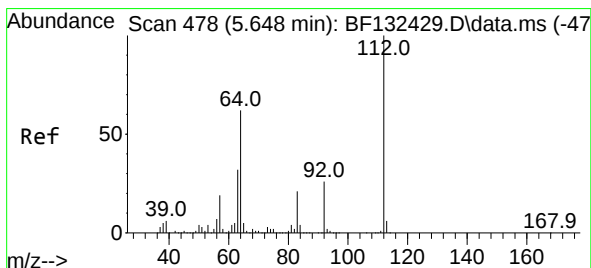
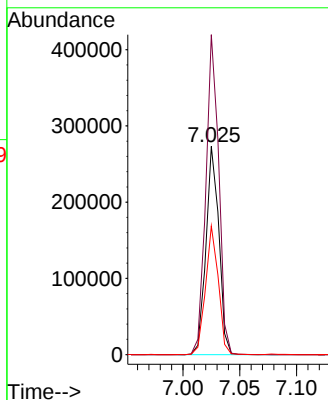
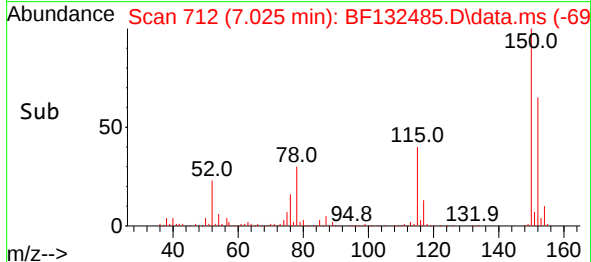
Instrument :
BNA_F
ClientSampleId :
OK-02-02162023



Tgt Ion:152 Resp: 216575
Ion Ratio Lower Upper
152 100
150 153.7 123.8 185.8
115 61.7 50.4 75.6

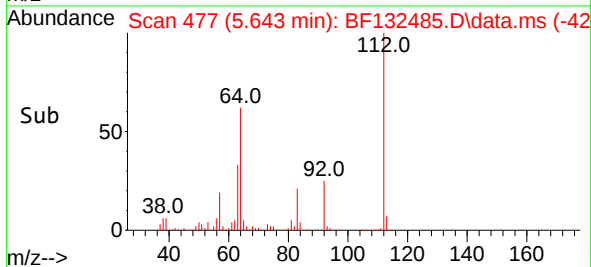
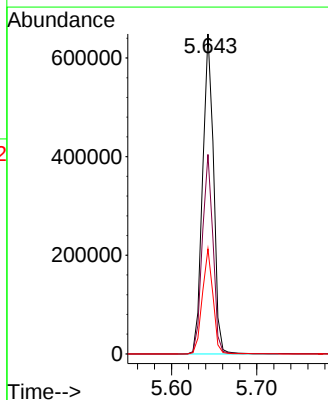
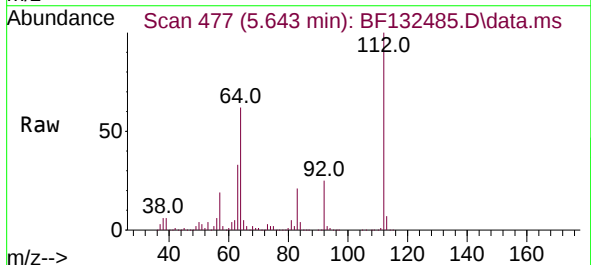
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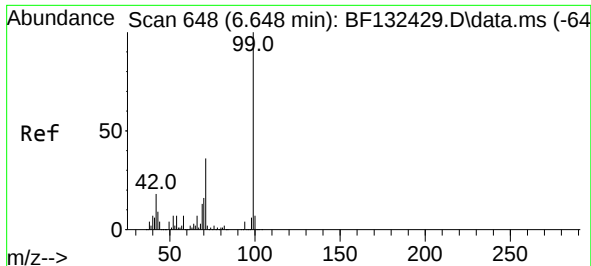
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#5
2-Fluorophenol
Concen: 42.765 ng
RT: 5.643 min Scan# 477
Delta R.T. 0.000 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

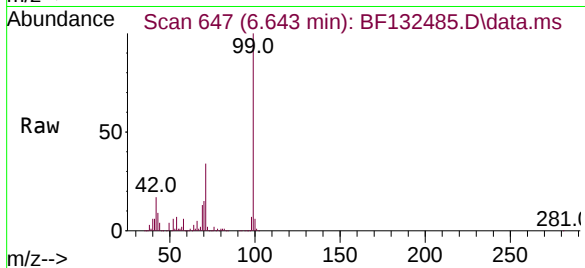
Tgt Ion:112 Resp: 578006
Ion Ratio Lower Upper
112 100
64 62.3 49.7 74.5
63 32.8 25.8 38.8





#7
Phenol-d6
Concen: 40.668 ng
RT: 6.643 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

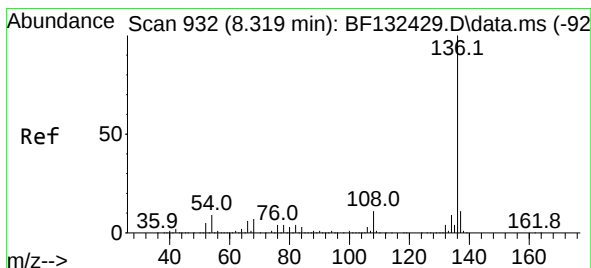
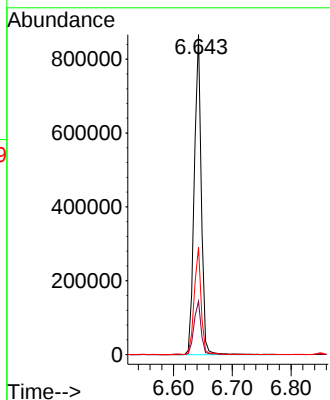
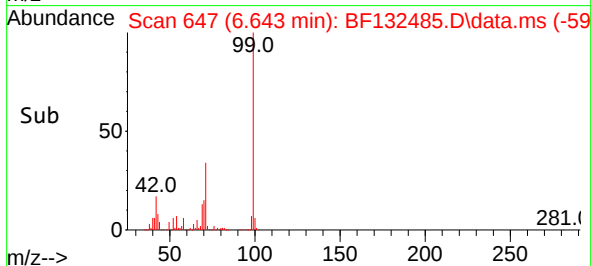
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OK-02-02162023



Tgt Ion: 99 Resp: 717734
Ion Ratio Lower Upper
99 100
42 16.7 14.6 21.8
71 33.6 28.7 43.1

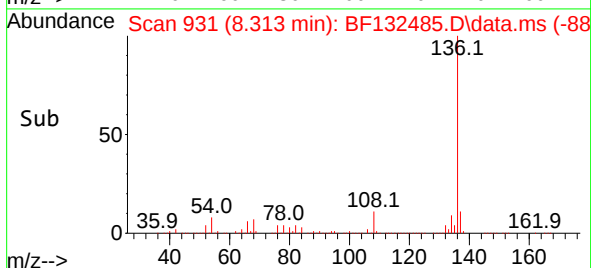
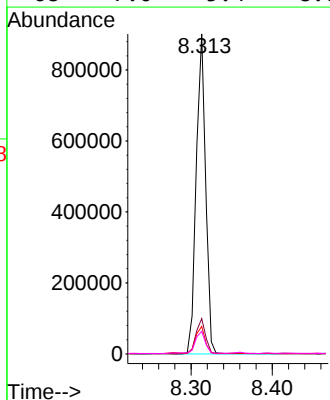
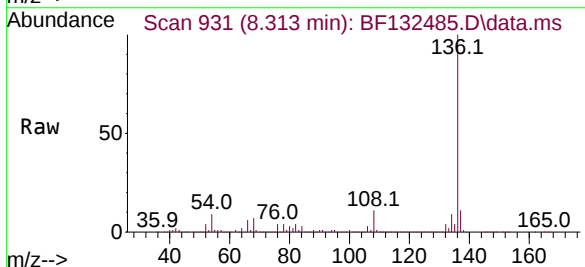
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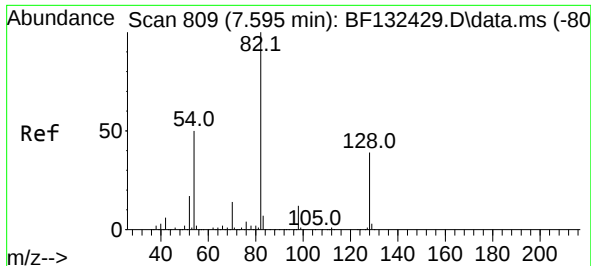
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.313 min Scan# 931
Delta R.T. 0.000 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

Tgt Ion:136 Resp: 723614
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.6 6.9 10.3
68 7.0 5.4 8.0





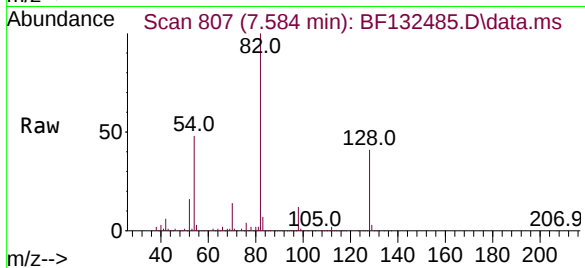
#23
Nitrobenzene-d5
Concen: 28.718 ng
RT: 7.584 min Scan# 809
Delta R.T. -0.012 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

Instrument :

BNA_F

ClientSampleId :

OK-02-02162023

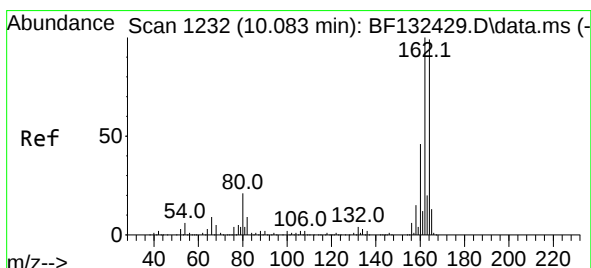
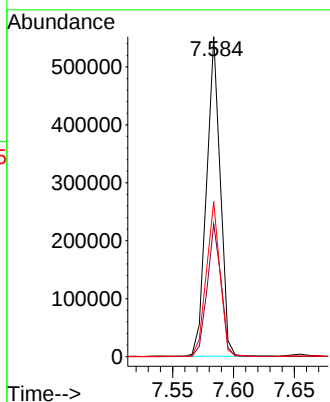
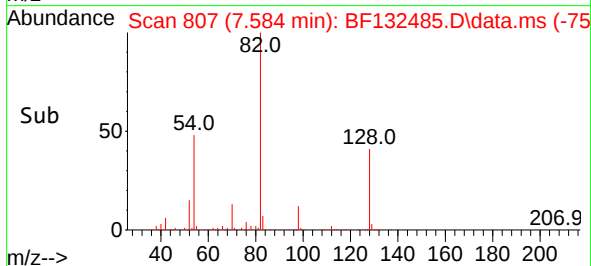


Tgt Ion: 82 Resp: 432489
Ion Ratio Lower Upper
82 100
128 41.5 30.8 46.2
54 48.5 40.2 60.4

Manual Integrations

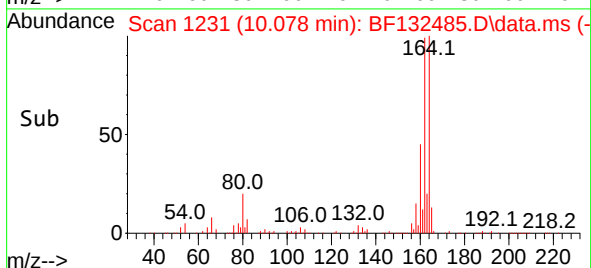
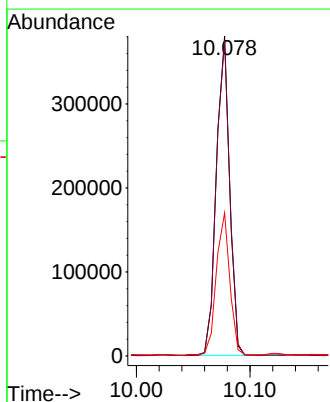
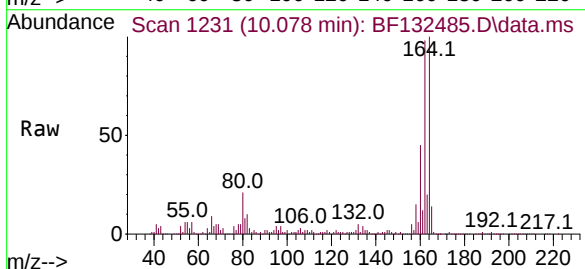
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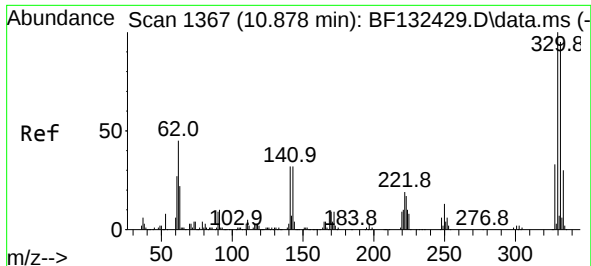
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.078 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

Tgt Ion:164 Resp: 308278
Ion Ratio Lower Upper
164 100
162 98.4 80.8 121.2
160 44.7 37.2 55.8





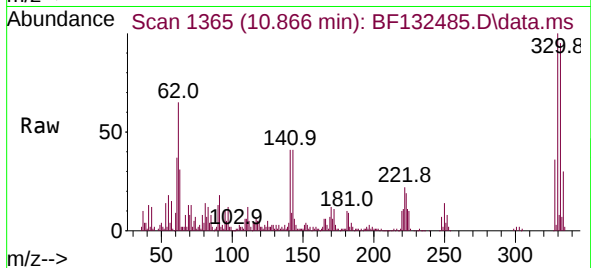
#42
2,4,6-Tribromophenol
Concen: 37.092 ng
RT: 10.866 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

Instrument :

BNA_F

ClientSampleId :

OK-02-02162023

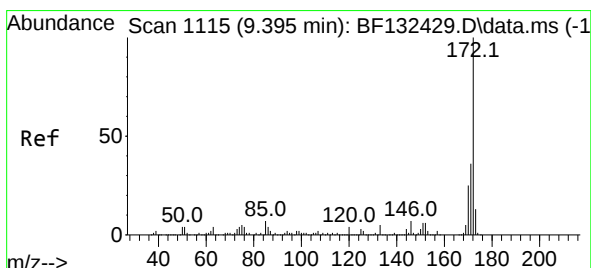
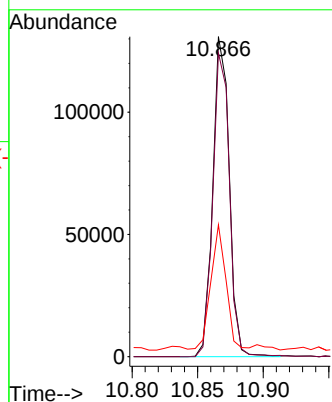
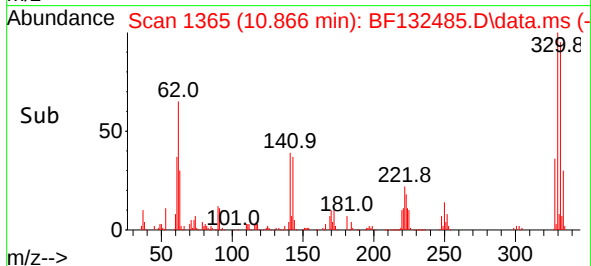


Tgt Ion:330 Resp: 114089
Ion Ratio Lower Upper
330 100
332 96.5 76.3 114.5
141 36.0 30.3 45.5

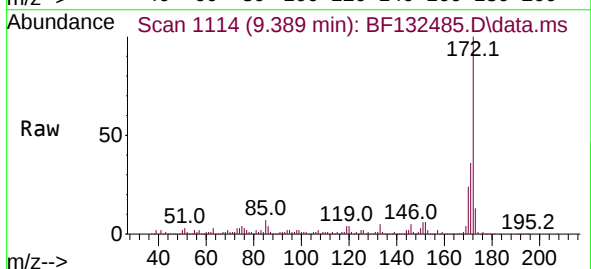
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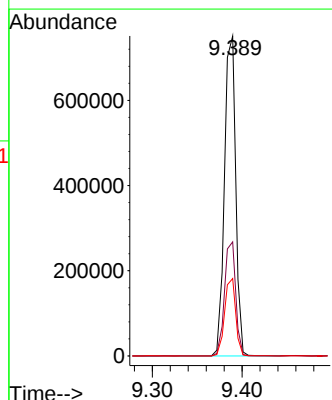
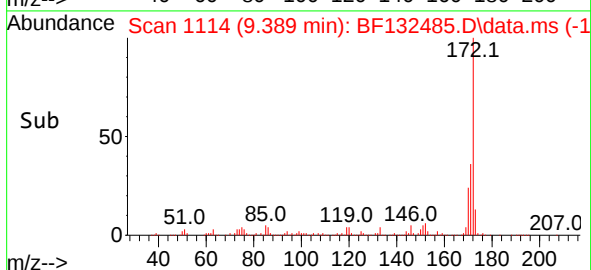
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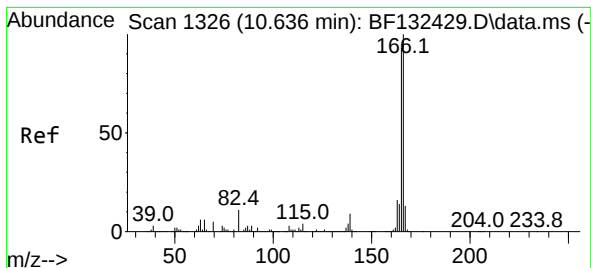


#45
2-Fluorobiphenyl
Concen: 32.819 ng
RT: 9.389 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34



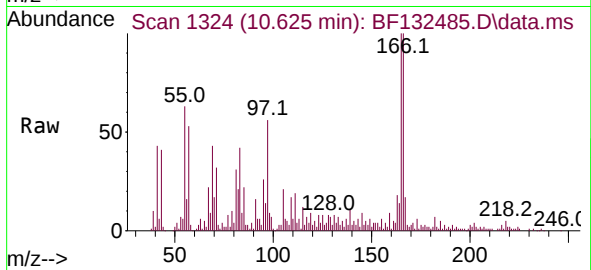
Tgt Ion:172 Resp: 655142
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 24.2 19.9 29.9





#58
Fluorene
Concen: 2.144 ng
RT: 10.625 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

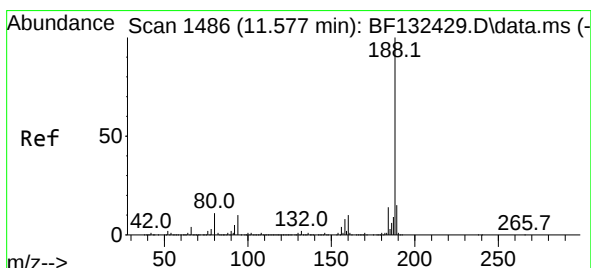
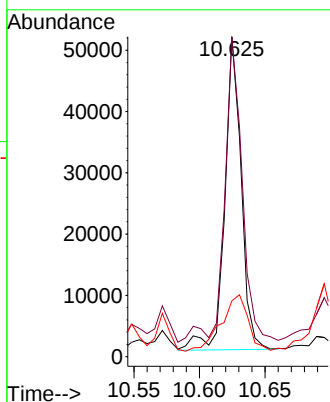
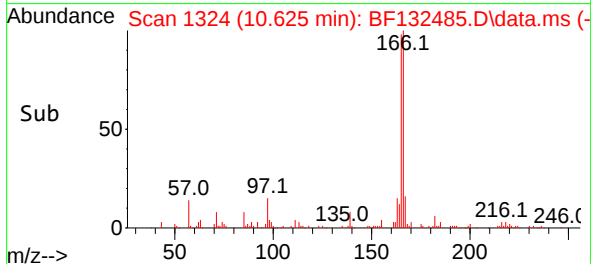
Instrument :
BNA_F
ClientSampleId :
OK-02-02162023



Tgt Ion:166 Resp: 44527
Ion Ratio Lower Upper
166 100
165 99.9 74.6 111.8
167 17.4 10.8 16.2

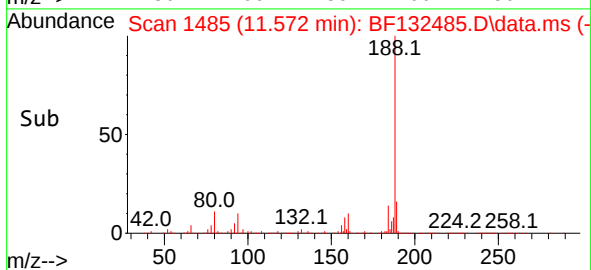
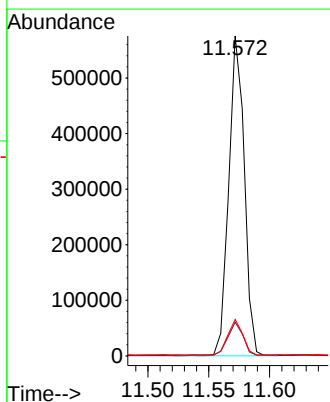
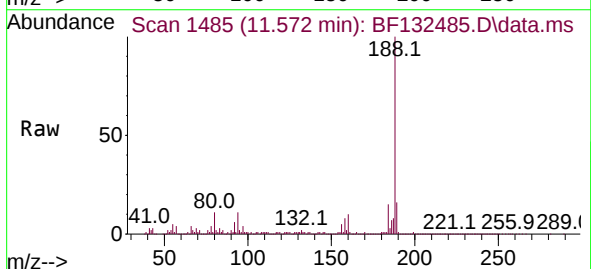
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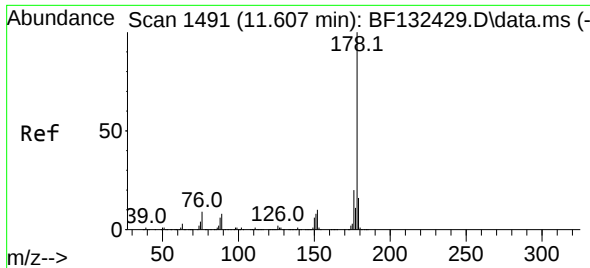
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.572 min Scan# 1485
Delta R.T. 0.000 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

Tgt Ion:188 Resp: 512430
Ion Ratio Lower Upper
188 100
94 10.5 8.0 12.0
80 11.4 8.6 12.8





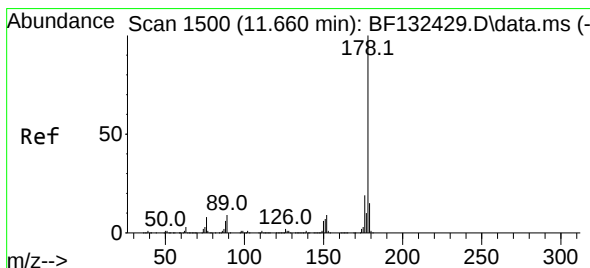
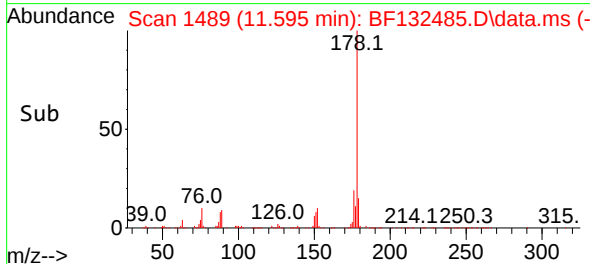
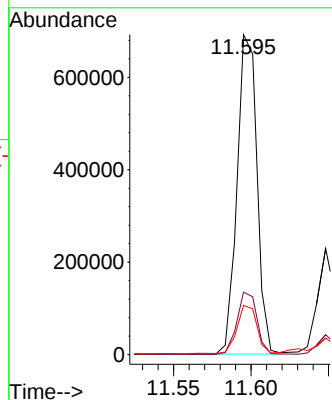
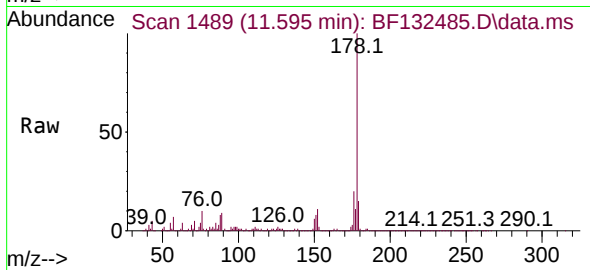
#71
Phenanthrene
Concen: 23.394 ng
RT: 11.595 min Scan# 1491
Delta R.T. 0.000 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

Instrument :
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Tgt Ion:178 Resp: 617414
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.2
179 15.4 12.6 18.8

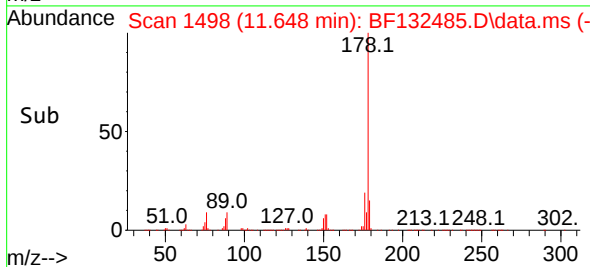
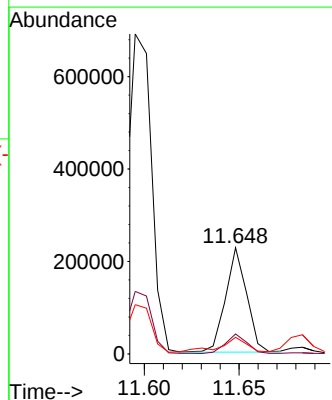
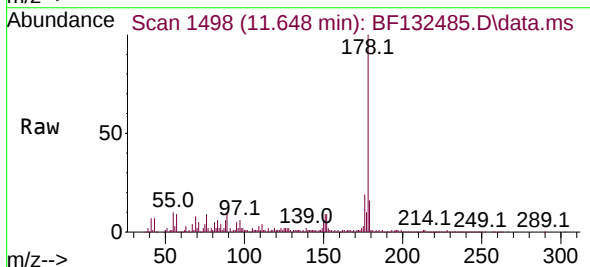
Manual Integrations
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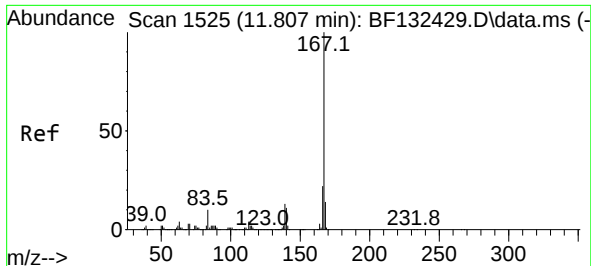
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#72
Anthracene
Concen: 6.454 ng
RT: 11.648 min Scan# 1498
Delta R.T. 0.000 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

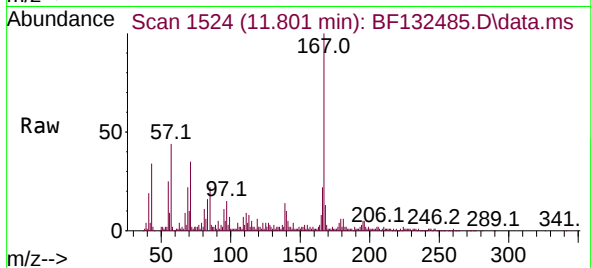
Tgt Ion:178 Resp: 175107
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.6 12.4 18.6





#73
 Carbazole
 Concen: 3.470 ng
 RT: 11.801 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF132485.D
 Acq: 20 Feb 2023 18:34

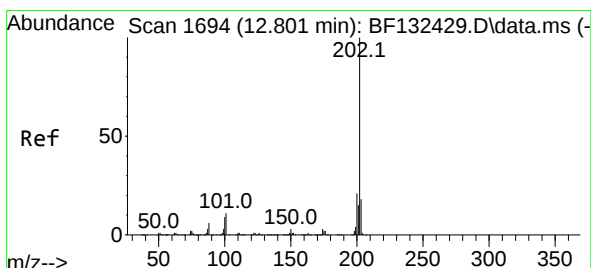
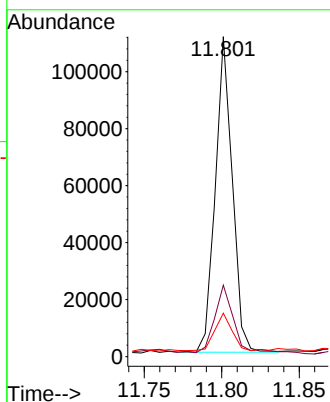
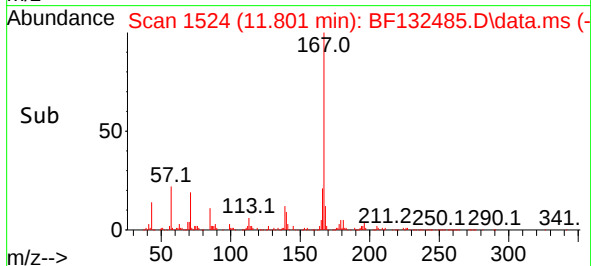
Instrument :
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Tgt Ion:167 Resp: 84742
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.8 26.8
 139 13.6 10.7 16.1

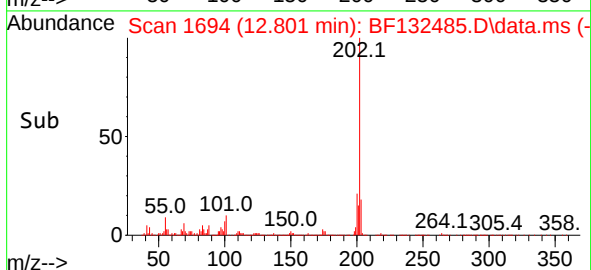
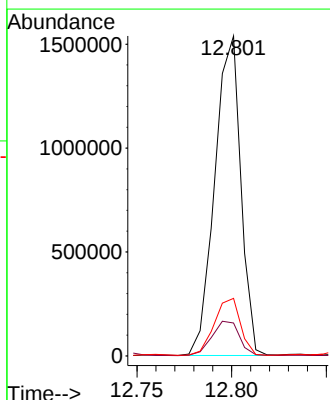
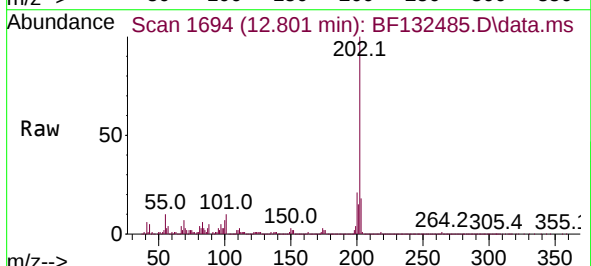
Manual Integrations
 APPROVED

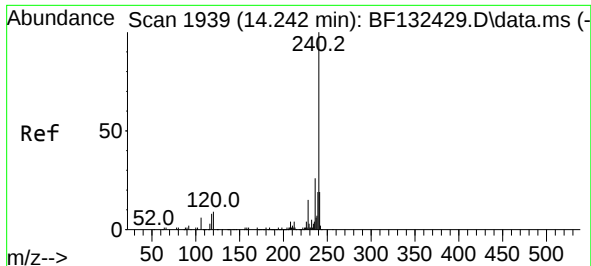
Reviewed By :Christian Giraldo 02/21/2023
 Supervised By :Jagrut Upadhyay 02/21/2023



#75
 Fluoranthene
 Concen: 49.820 ng
 RT: 12.801 min Scan# 1694
 Delta R.T. 0.006 min
 Lab File: BF132485.D
 Acq: 20 Feb 2023 18:34

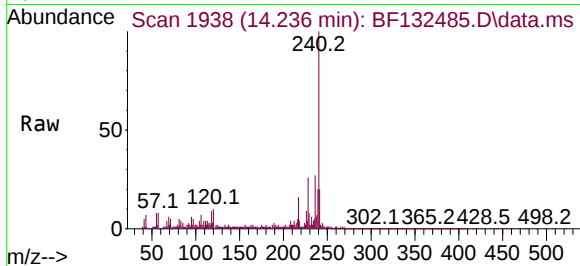
Tgt Ion:202 Resp: 1466346
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 31.3
 203 18.0 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.236 min Scan# 1939
Delta R.T. 0.006 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

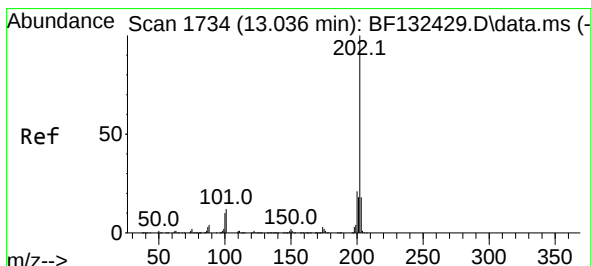
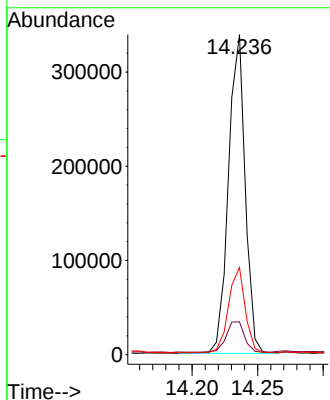
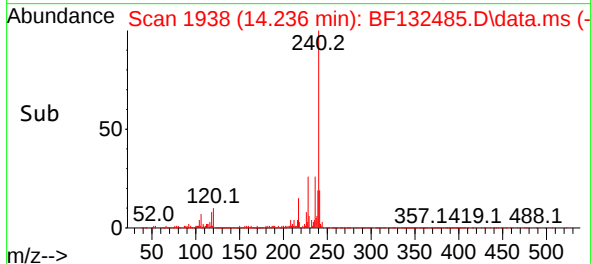
Instrument :
BNA_F
ClientSampleId :
OK-02-02162023



Tgt Ion:240 Resp: 300941
Ion Ratio Lower Upper
240 100
120 10.2 7.5 11.3
236 27.2 21.0 31.6

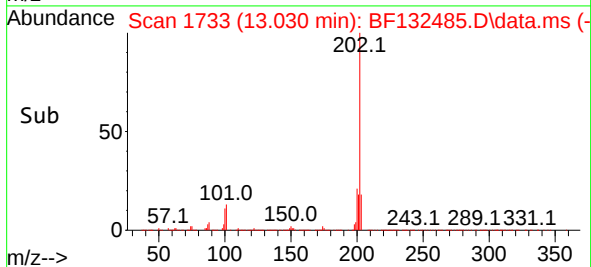
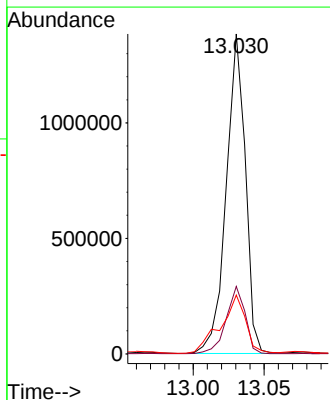
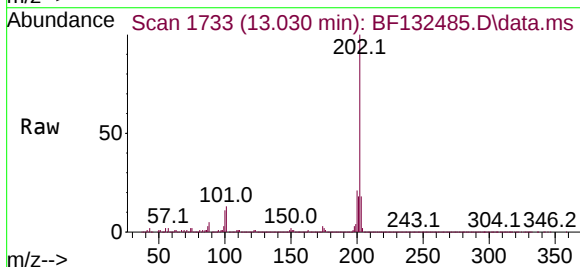
Manual Integrations
APPROVED

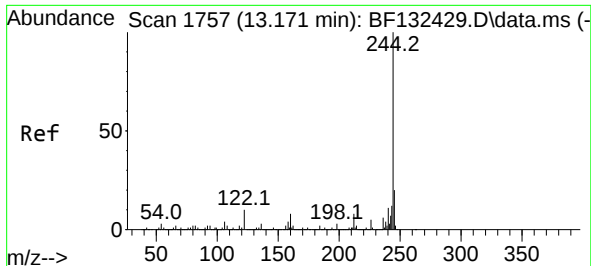
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#78
Pyrene
Concen: 50.703 ng
RT: 13.030 min Scan# 1733
Delta R.T. 0.006 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

Tgt Ion:202 Resp: 1296209
Ion Ratio Lower Upper
202 100
200 21.1 16.6 25.0
203 18.4 14.3 21.5





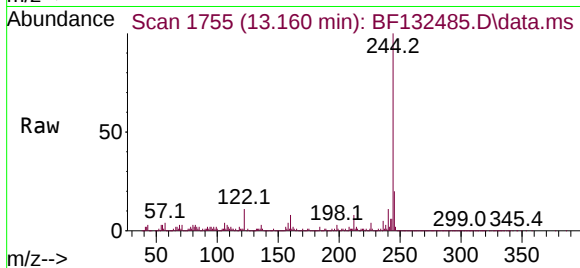
#79
Terphenyl-d14
Concen: 35.413 ng
RT: 13.160 min Scan# 1757
Delta R.T. 0.000 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

Instrument :

BNA_F

ClientSampleId :

OK-02-02162023

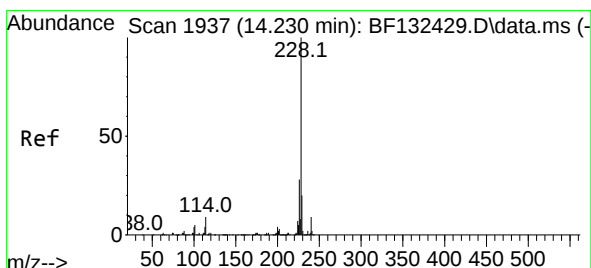
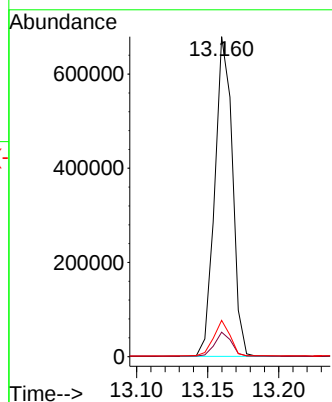
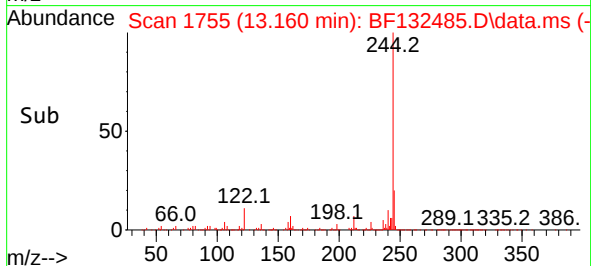


Tgt Ion:244 Resp: 585173
Ion Ratio Lower Upper
244 100
212 7.6 6.7 10.1
122 11.3 7.7 11.5

Manual Integrations

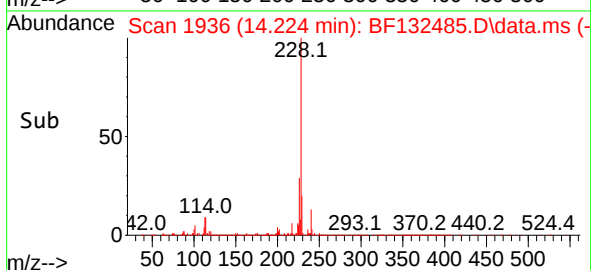
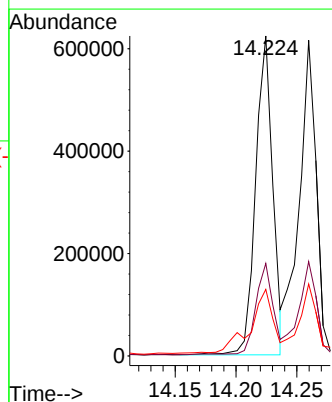
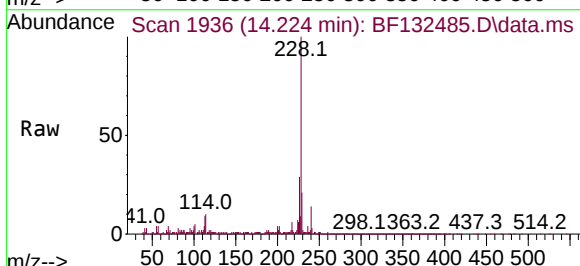
APPROVED

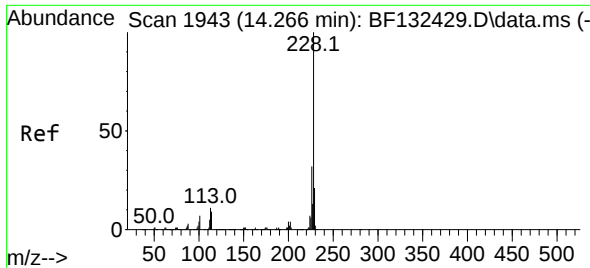
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#81
Benzo(a)anthracene
Concen: 27.659 ng
RT: 14.224 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

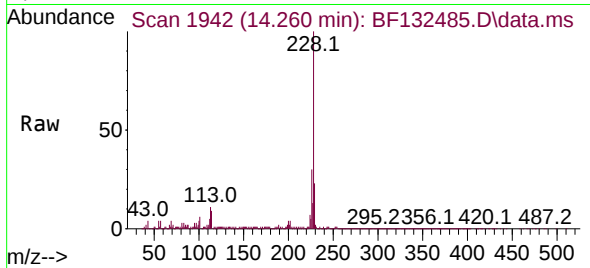
Tgt Ion:228 Resp: 609632
Ion Ratio Lower Upper
228 100
226 28.9 22.6 34.0
229 20.8 16.2 24.4





#83
Chrysene
Concen: 29.193 ng m
RT: 14.260 min Scan# 1943
Delta R.T. 0.000 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

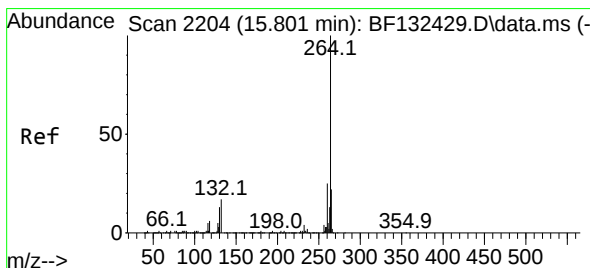
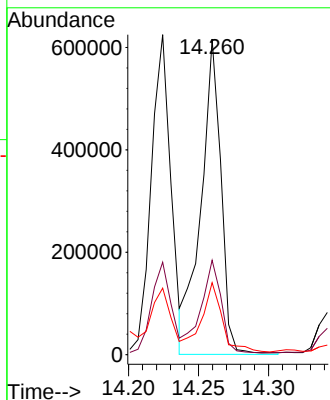
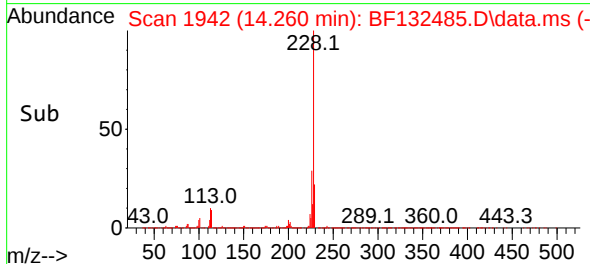
Instrument :
BNA_F
ClientSampleId :
OK-02-02162023



Tgt Ion:228 Resp: 614786
Ion Ratio Lower Upper
228 100
226 29.9 25.4 38.2
229 22.8 16.6 25.0

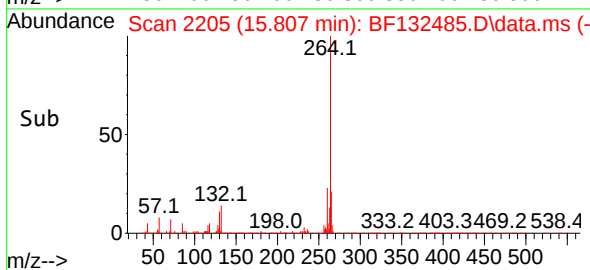
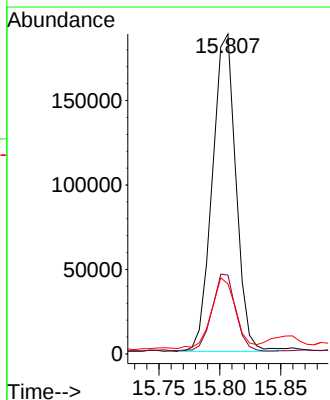
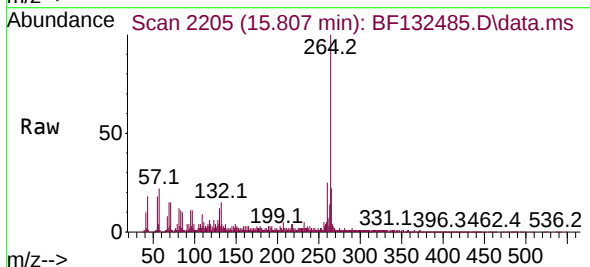
Manual Integrations
APPROVED

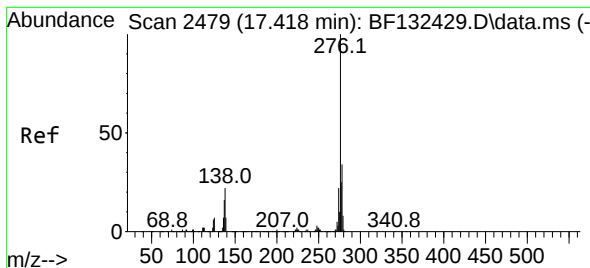
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.807 min Scan# 2205
Delta R.T. 0.024 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

Tgt Ion:264 Resp: 254361
Ion Ratio Lower Upper
264 100
260 24.6 20.0 30.0
265 21.9 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.147 ng

RT: 17.424 min Scan# 2479

Delta R.T. 0.024 min

Lab File: BF132485.D

Acq: 20 Feb 2023 18:34

Instrument :

BNA_F

ClientSampleId :

OK-02-02162023

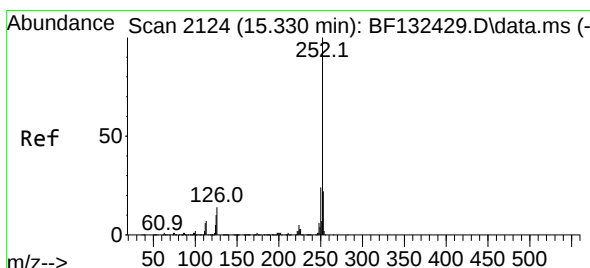
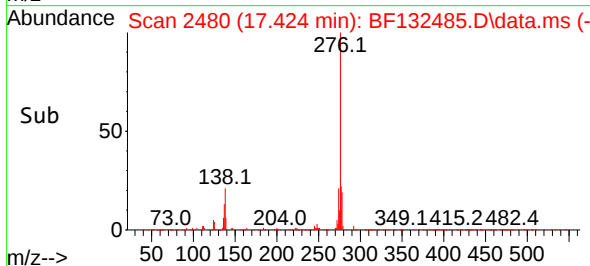
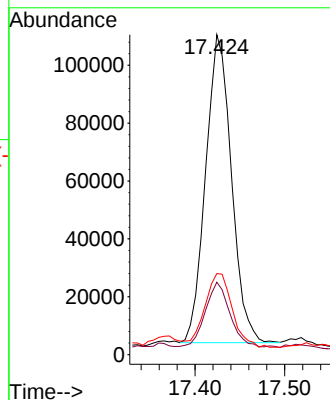
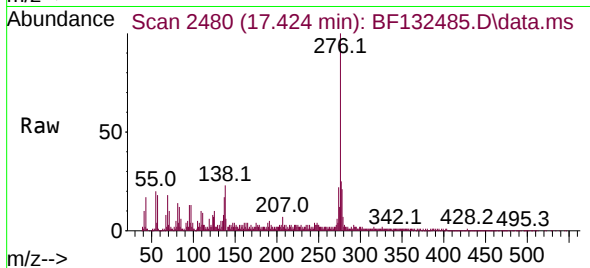
Tgt Ion:276 Resp: 213763
 Ion Ratio Lower Upper
 276 100
 138 21.1 20.2 30.4
 277 25.7 20.0 30.0

Manual Integrations

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Reviewed By :Christian Giraldo 02/21/2023

Supervised By :Jagrut Upadhyay 02/21/2023



#88

Benzo(b)fluoranthene

Concen: 37.186 ng m

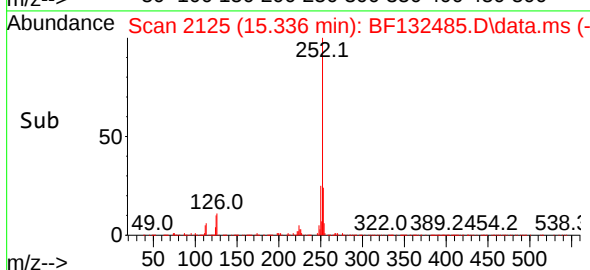
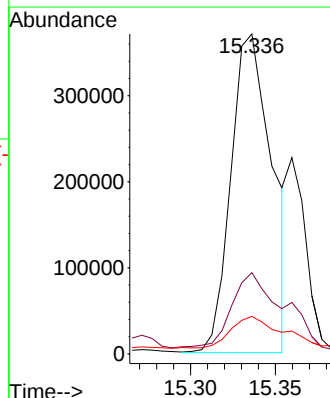
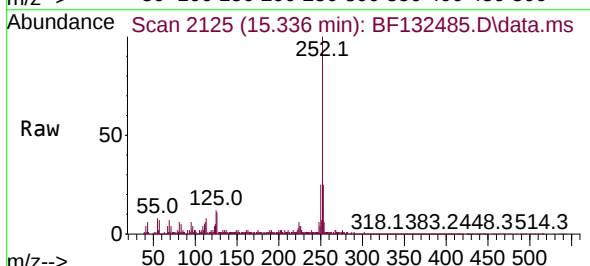
RT: 15.336 min Scan# 2125

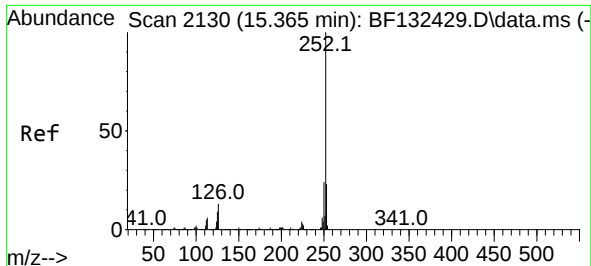
Delta R.T. 0.018 min

Lab File: BF132485.D

Acq: 20 Feb 2023 18:34

Tgt Ion:252 Resp: 622011
 Ion Ratio Lower Upper
 252 100
 253 25.4 17.8 26.8
 125 11.7 7.6 11.4#





#89
Benzo(k)fluoranthene
Concen: 10.268 ng m
RT: 15.360 min Scan# 2130
Delta R.T. 0.006 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

Instrument :

BNF

ClientSampleId :

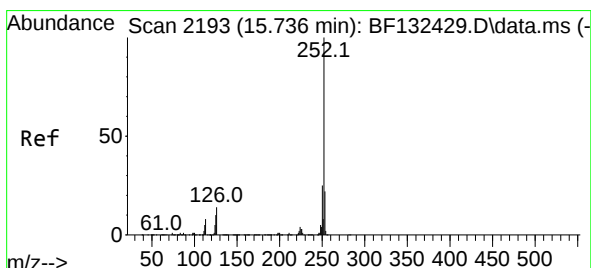
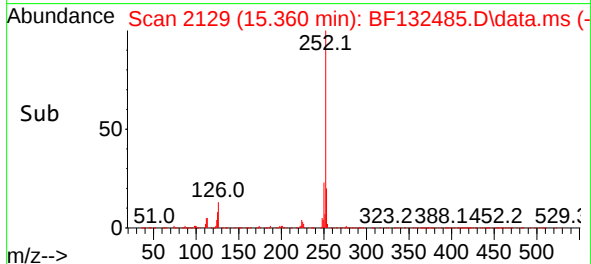
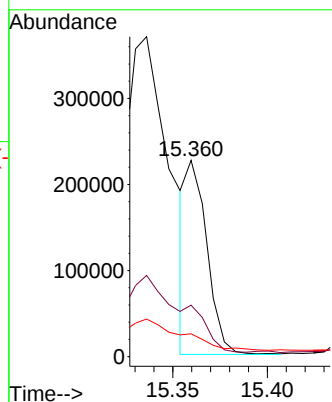
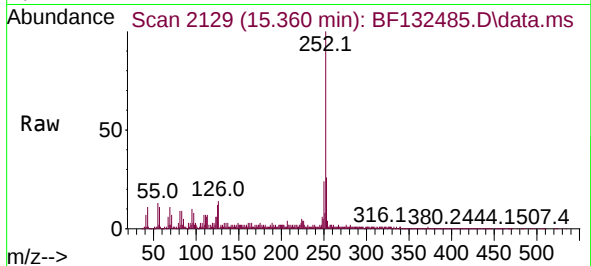
OK-02-02162023

Tgt Ion:252 Resp: 171872
Ion Ratio Lower Upper
252 100
253 26.3 18.2 27.2
125 11.6 7.5 11.3

Manual Integrations

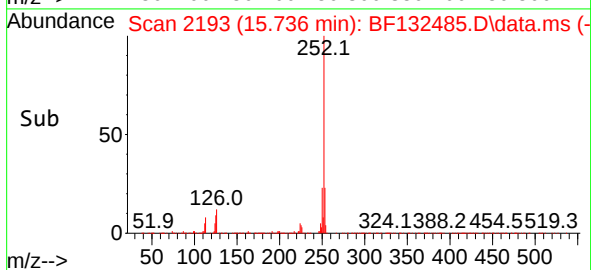
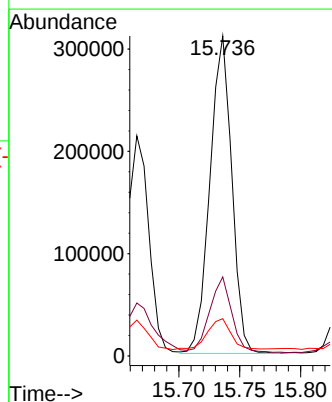
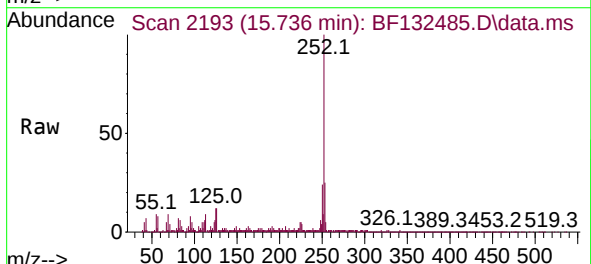
APPROVED

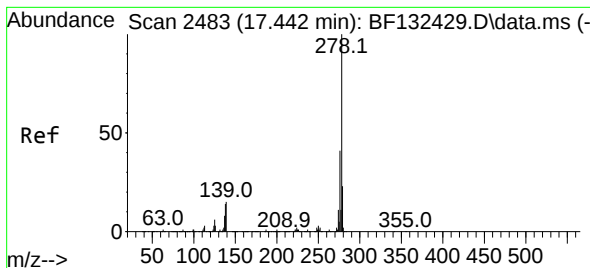
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#90
Benzo(a)pyrene
Concen: 24.989 ng
RT: 15.736 min Scan# 2193
Delta R.T. 0.018 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

Tgt Ion:252 Resp: 388450
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 11.6 8.2 12.4





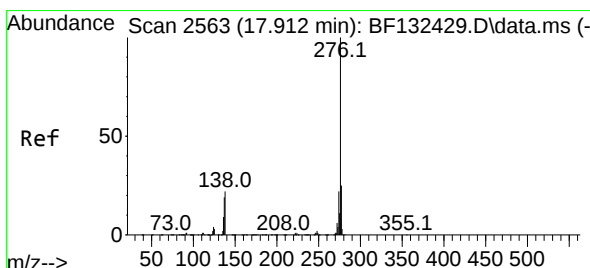
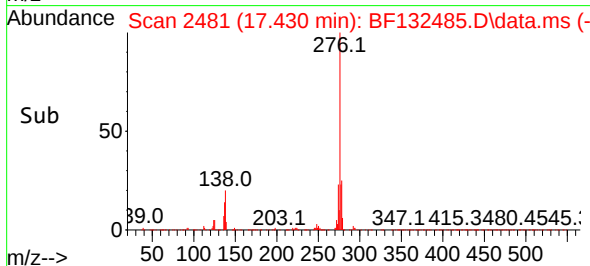
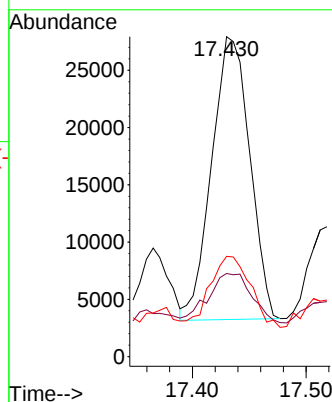
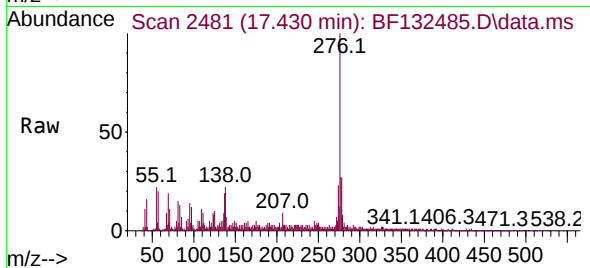
#91
Dibenzo(a,h)anthracene
Concen: 4.293 ng
RT: 17.430 min Scan# 2483
Delta R.T. 0.012 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

Instrument :
BNA_F
ClientSampleId :
OK-02-02162023

Tgt Ion:278 Resp: 57490
Ion Ratio Lower Upper
278 100
139 26.0 12.2 18.2
279 31.3 18.8 28.2

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



#92
Benzo(g,h,i)perylene
Concen: 15.224 ng
RT: 17.924 min Scan# 2565
Delta R.T. 0.030 min
Lab File: BF132485.D
Acq: 20 Feb 2023 18:34

Tgt Ion:276 Resp: 209374
Ion Ratio Lower Upper
276 100
277 25.8 19.6 29.4
138 22.0 17.7 26.5

