

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100622\
 Data File : BF130566.D
 Acq On : 06 Oct 2022 23:43
 Operator : CG\JU
 Sample : N5012-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OE-3-100522

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/07/2022
 Supervised By : Jagrut Upadhyay 10/10/2022

Quant Time: Oct 07 02:14:10 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 07 02:06:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.616	152	64618	20.000	ng	0.00
21) Naphthalene-d8	7.898	136	220997	20.000	ng	0.00
39) Acenaphthene-d10	9.651	164	107421	20.000	ng	0.00
64) Phenanthrene-d10	11.127	188	199072	20.000	ng	0.00
76) Chrysene-d12	13.763	240	169288	20.000	ng	0.00
86) Perylene-d12	15.151	264	119102	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.222	112	385700	103.529	ng	0.00
7) Phenol-d6	6.263	99	434938	93.304	ng	0.00
23) Nitrobenzene-d5	7.187	82	258143	59.676	ng	0.00
42) 2,4,6-Tribromophenol	10.439	330	111293	108.125	ng	0.00
45) 2-Fluorobiphenyl	8.975	172	423855	57.457	ng	0.00
79) Terphenyl-d14	12.716	244	566181	55.401	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.151	178	59643	5.336	ng	99
75) Fluoranthene	12.339	202	249730	23.123	ng	97
78) Pyrene	12.563	202	231594	15.638	ng	99
81) Benzo(a)anthracene	13.751	228	119222	10.586	ng	94
83) Chrysene	13.786	228	96529	9.027	ng	97
87) Indeno(1,2,3-cd)pyrene	16.457	276	36027	4.266	ng	97
88) Benzo(b)fluoranthene	14.763	252	100093m	12.876	ng	
89) Benzo(k)fluoranthene	14.786	252	29182m	3.816	ng	
90) Benzo(a)pyrene	15.092	252	62529	10.153	ng	97
92) Benzo(g,h,i)perylene	16.851	276	33171	4.753	ng	97

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

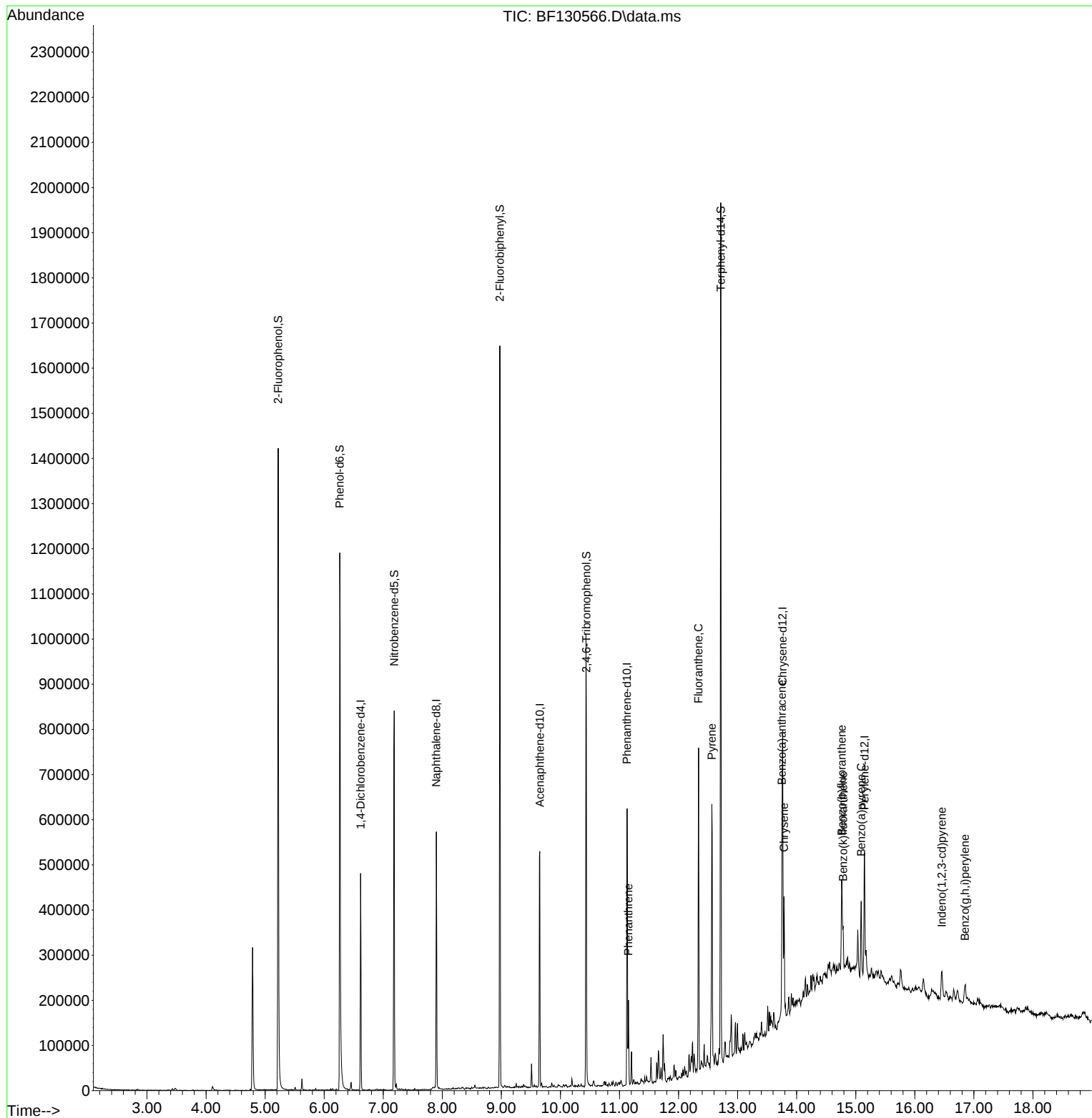
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100622\
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QLast Update : Fri Oct 07 02:06:46 2022
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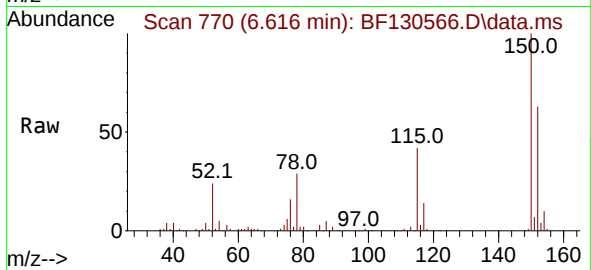
Reviewed By : Christian Giraldo 10/07/2022
Supervised By : Jagrut Upadhyay 10/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.616 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43

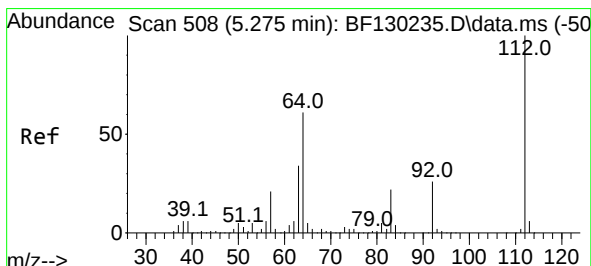
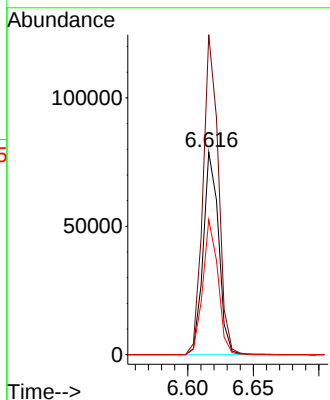
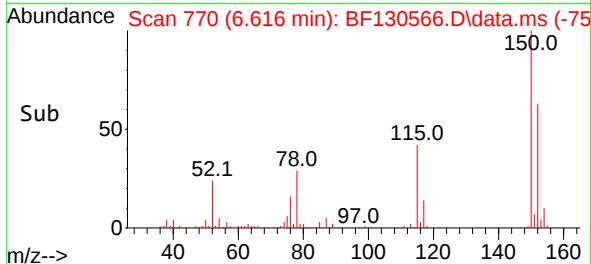
Instrument :
BNA_F
ClientSampleId :
OE-3-100522



Tgt Ion:152 Resp: 64618
Ion Ratio Lower Upper
152 100
150 158.0 122.8 184.2
115 66.7 53.8 80.8

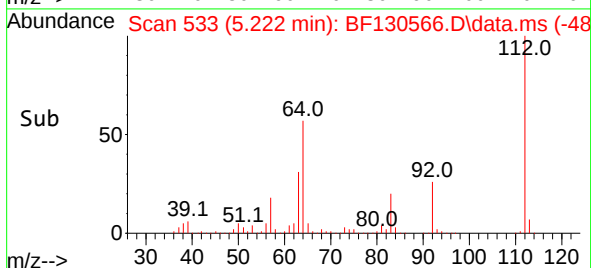
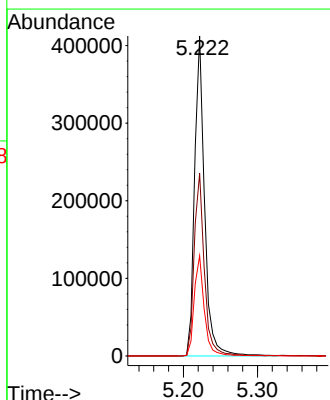
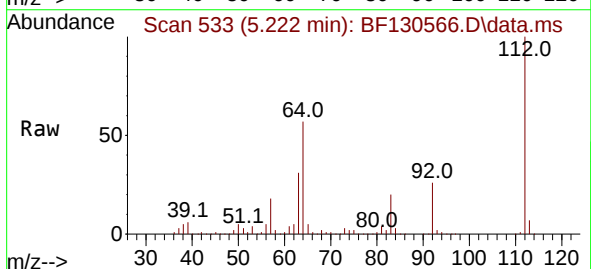
Manual Integrations
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#5
2-Fluorophenol
Concen: 103.529 ng
RT: 5.222 min Scan# 533
Delta R.T. 0.006 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43

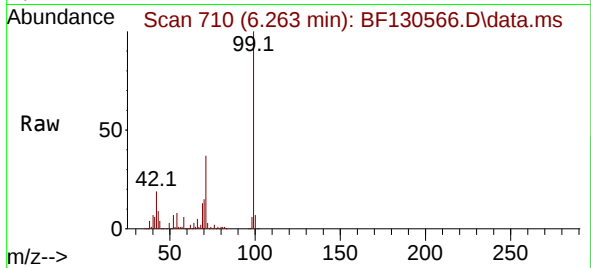
Tgt Ion:112 Resp: 385700
Ion Ratio Lower Upper
112 100
64 57.1 51.4 77.0
63 31.3 28.8 43.2





#7
Phenol-d6
Concen: 93.304 ng
RT: 6.263 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43

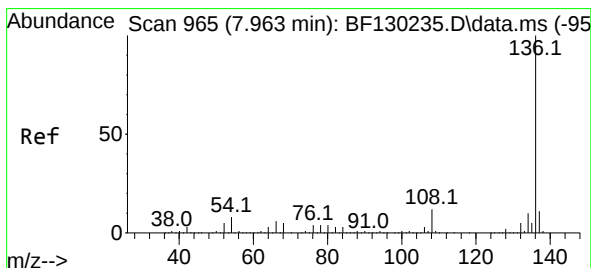
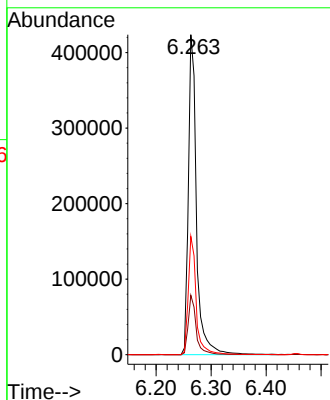
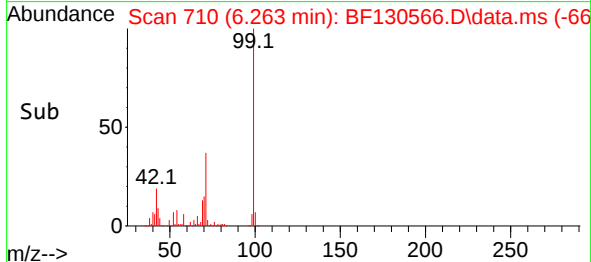
Instrument :
BNA_F
ClientSampleId :
OE-3-100522



Tgt Ion: 99 Resp: 434938
Ion Ratio Lower Upper
99 100
42 18.6 17.0 25.6
71 37.0 32.3 48.5

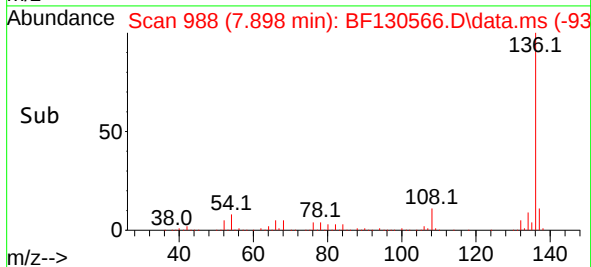
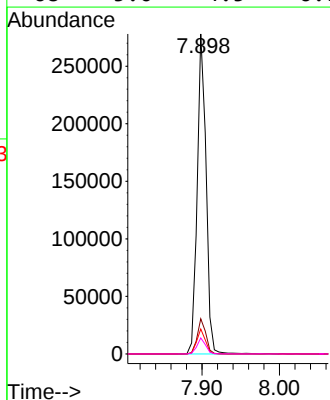
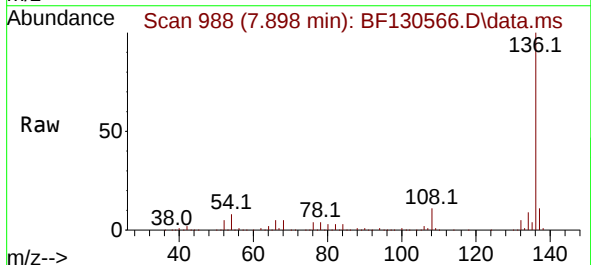
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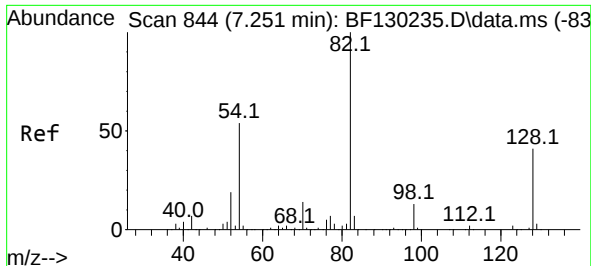
Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.898 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43

Tgt Ion:136 Resp: 220997
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 7.8 7.1 10.7
68 5.0 4.5 6.7





#23
Nitrobenzene-d5
Concen: 59.676 ng
RT: 7.187 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43

Instrument :

BNA_F

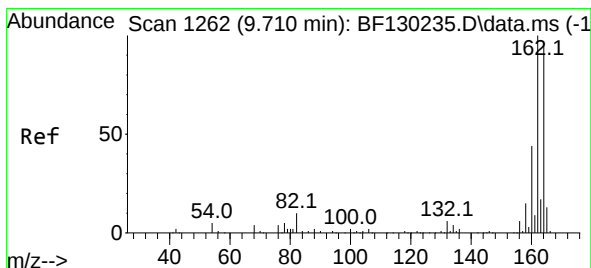
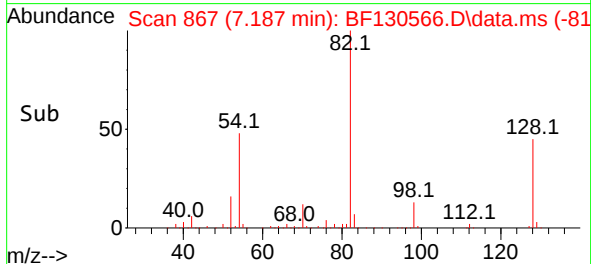
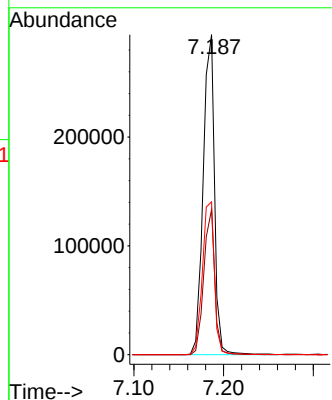
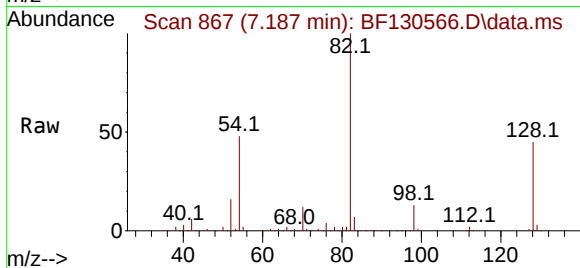
ClientSampleId :

OE-3-100522

Tgt Ion: 82 Resp: 25814
Ion Ratio Lower Upper
82 100
128 45.4 32.6 49.0
54 47.8 43.8 65.6

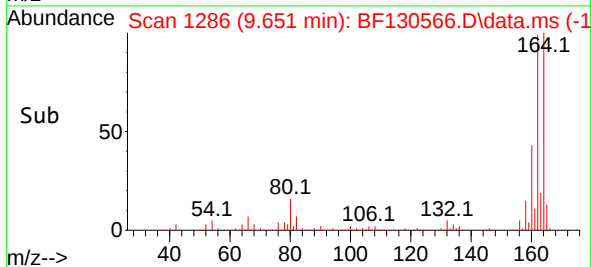
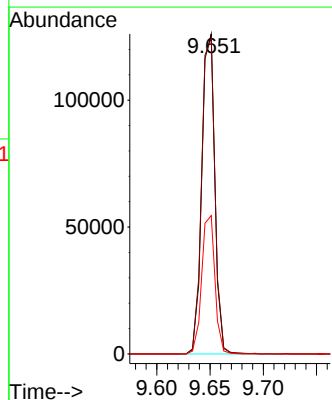
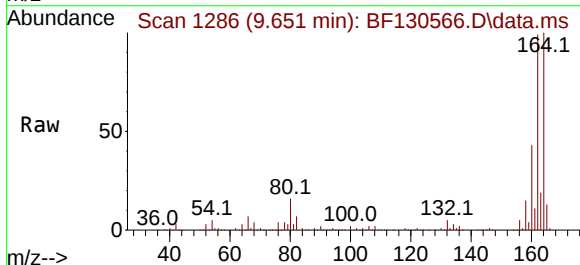
Manual Integrations
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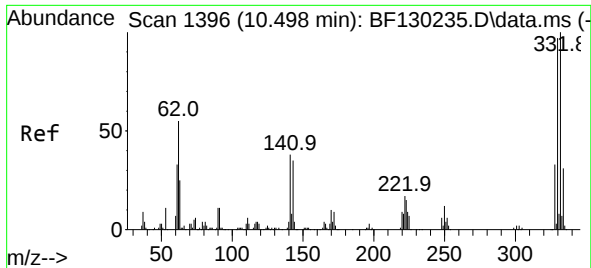
Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.651 min Scan# 1286
Delta R.T. -0.000 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43

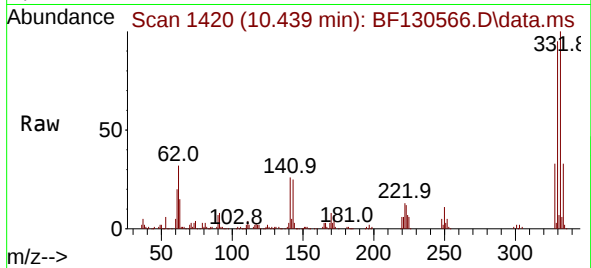
Tgt Ion:164 Resp: 107421
Ion Ratio Lower Upper
164 100
162 98.7 81.4 122.0
160 43.3 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 108.125 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.000 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43

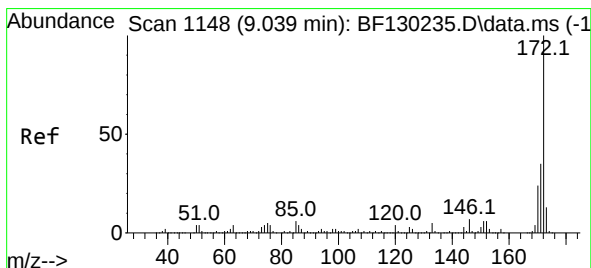
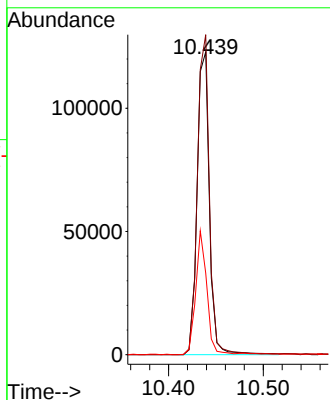
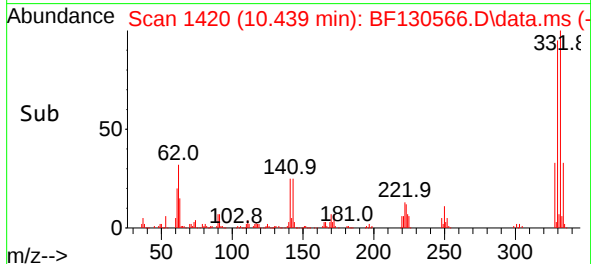
Instrument :
BNA_F
ClientSampleId :
OE-3-100522



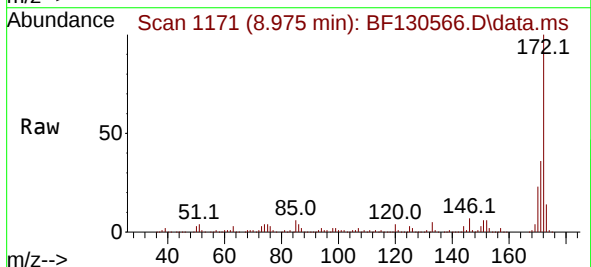
Tgt Ion: 330 Resp: 11129
Ion Ratio Lower Upper
330 100
332 103.9 83.4 125.2
141 37.6 34.0 51.0

Manual Integrations
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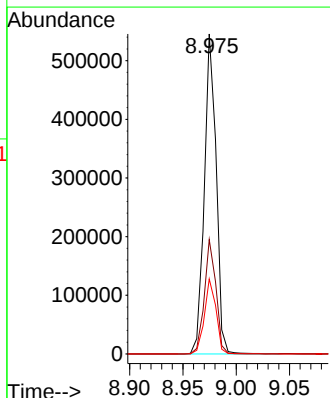
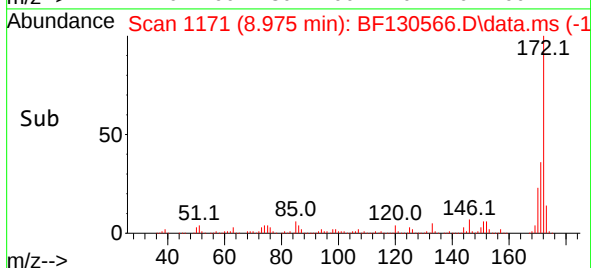
Reviewed By : Christian Giraldo 10/07/2022
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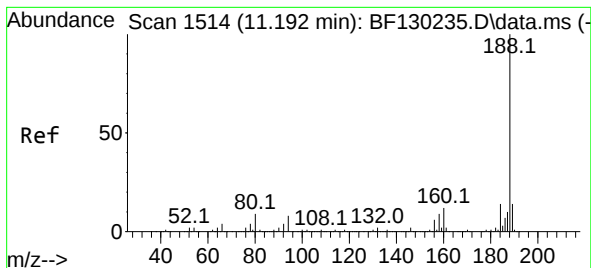


#45
2-Fluorobiphenyl
Concen: 57.457 ng
RT: 8.975 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43



Tgt Ion: 172 Resp: 423855
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.4 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.127 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130566.D

Acq: 06 Oct 2022 23:43

Instrument :

BNA_F

ClientSampleId :

OE-3-100522

Tgt Ion:188 Resp: 199072

Ion Ratio Lower Upper

188 100

94 9.7 7.4 11.2

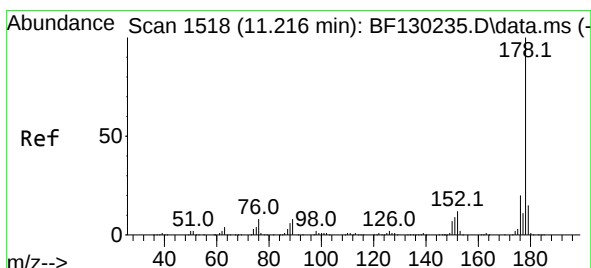
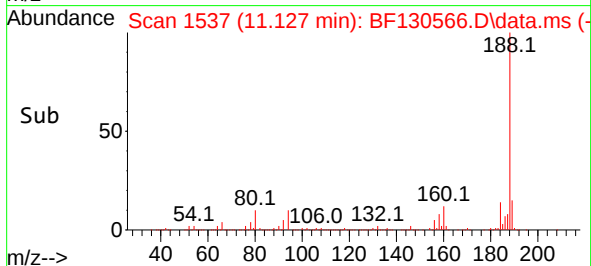
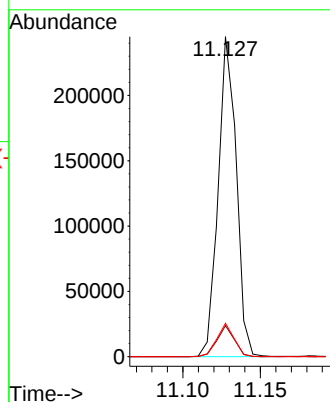
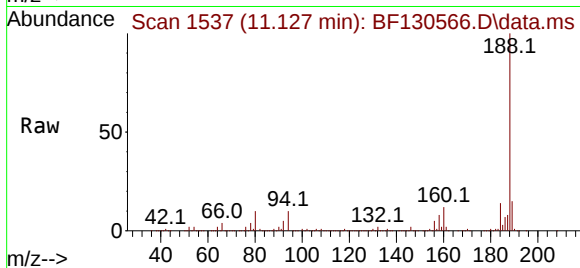
80 10.4 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/07/2022

Supervised By :Jagrut Upadhyay 10/10/2022



#71

Phenanthrene

Concen: 5.336 ng

RT: 11.151 min Scan# 1541

Delta R.T. -0.006 min

Lab File: BF130566.D

Acq: 06 Oct 2022 23:43

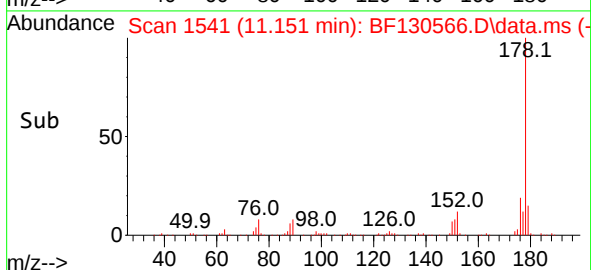
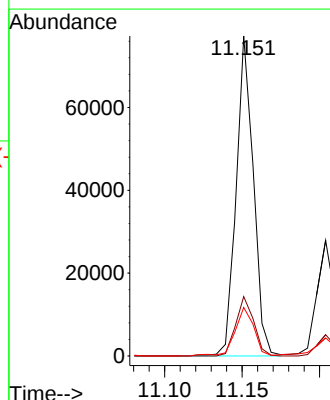
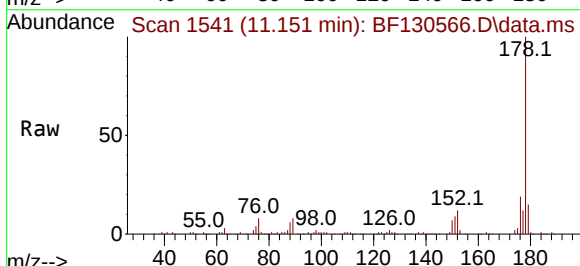
Tgt Ion:178 Resp: 59643

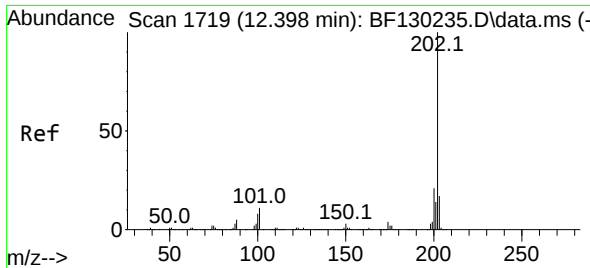
Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.0

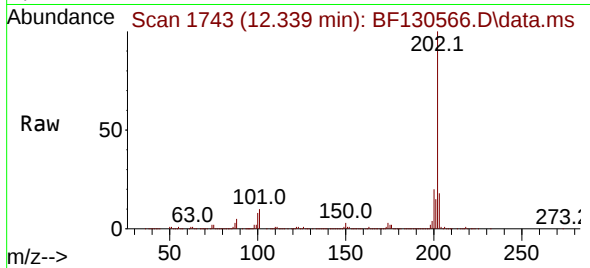
179 15.2 12.4 18.6





#75
Fluoranthene
Concen: 23.123 ng
RT: 12.339 min Scan# 1743
Delta R.T. -0.000 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43

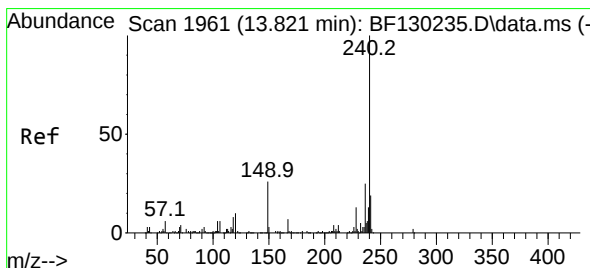
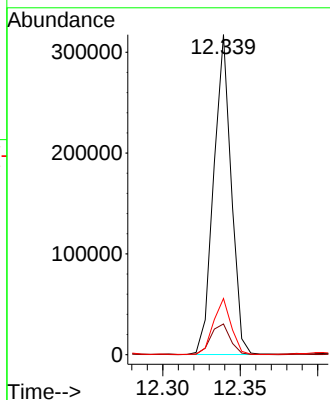
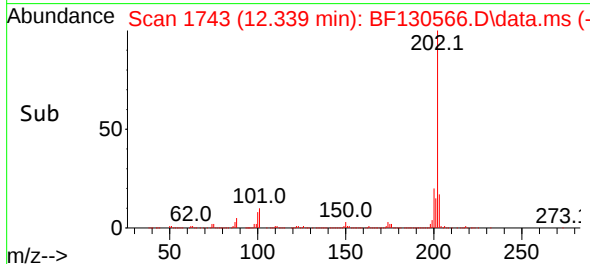
Instrument :
BNA_F
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OE-3-100522



Tgt Ion:202 Resp: 249730
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.8
203 17.6 0.0 37.8

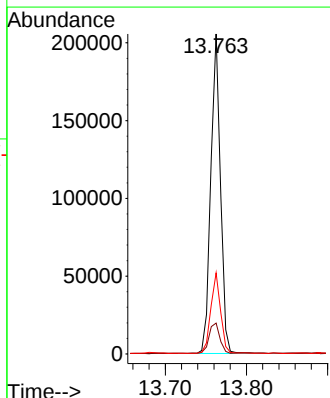
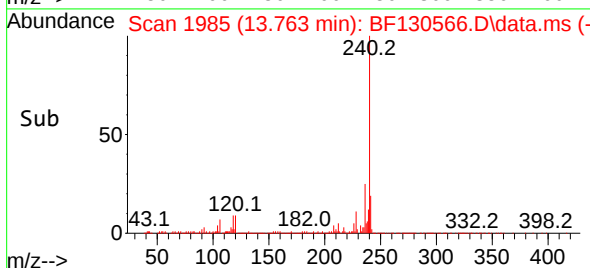
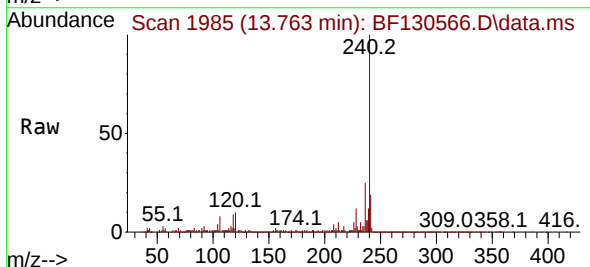
Manual Integrations
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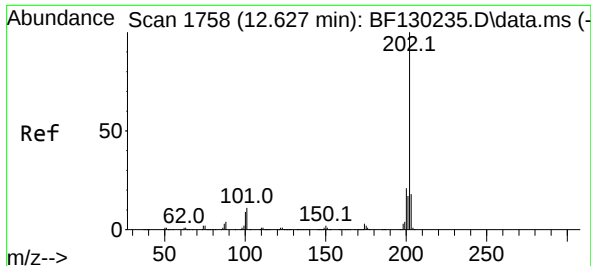
Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.763 min Scan# 1985
Delta R.T. -0.000 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43

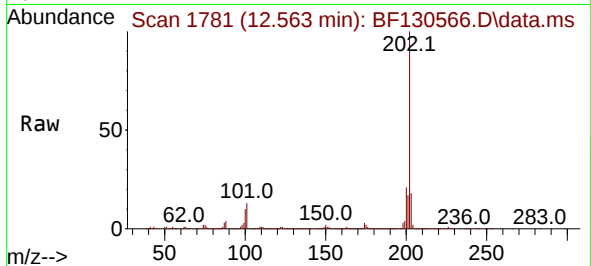
Tgt Ion:240 Resp: 169288
Ion Ratio Lower Upper
240 100
120 9.6 8.7 13.1
236 25.4 20.9 31.3





#78
Pyrene
Concen: 15.638 ng
RT: 12.563 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43

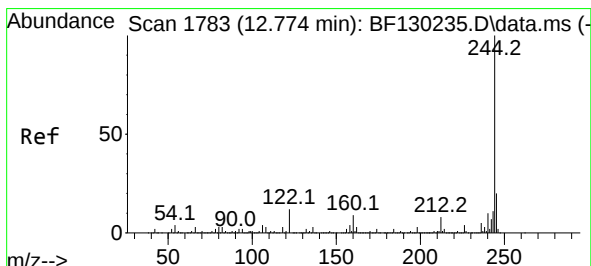
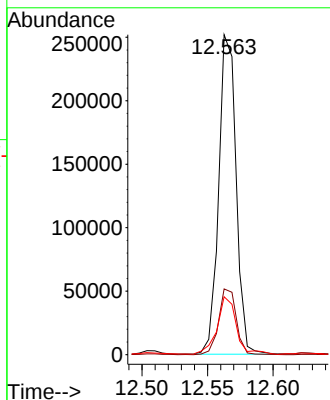
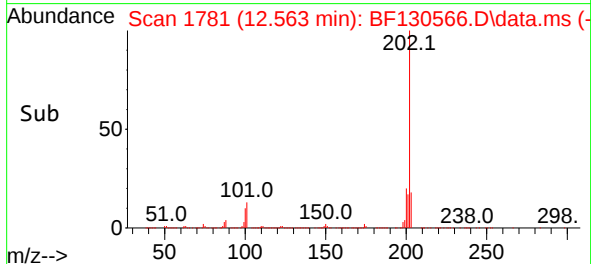
Instrument :
BNA_F
ClientSampleId :
OE-3-100522



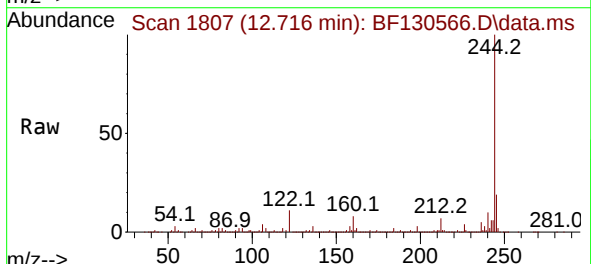
Tgt Ion:202 Resp: 231594
Ion Ratio Lower Upper
202 100
200 20.5 17.2 25.8
203 18.1 14.3 21.5

Manual Integrations
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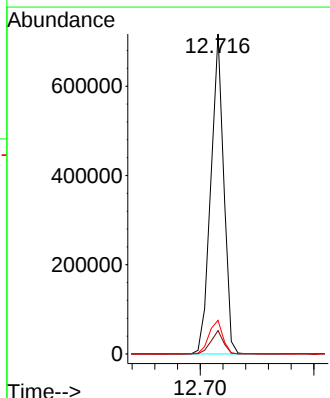
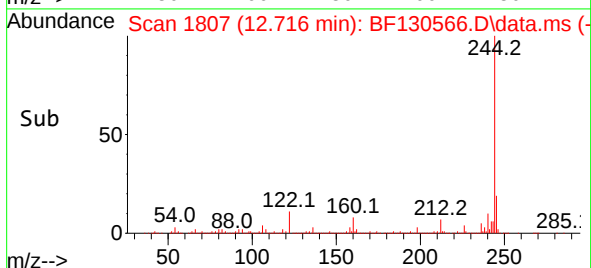
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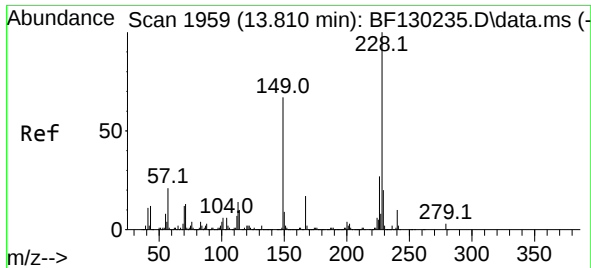


#79
Terphenyl-d14
Concen: 55.401 ng
RT: 12.716 min Scan# 1807
Delta R.T. -0.000 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43



Tgt Ion:244 Resp: 566181
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 10.5 8.5 12.7





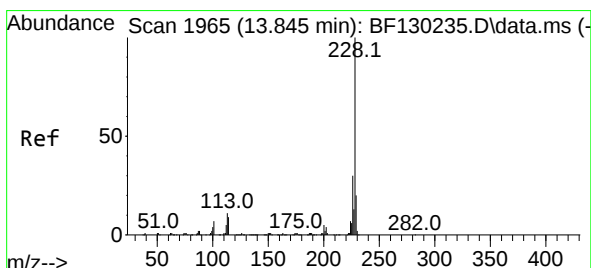
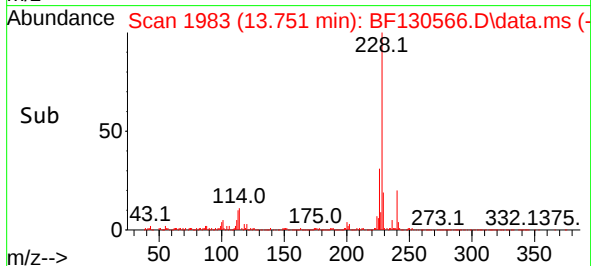
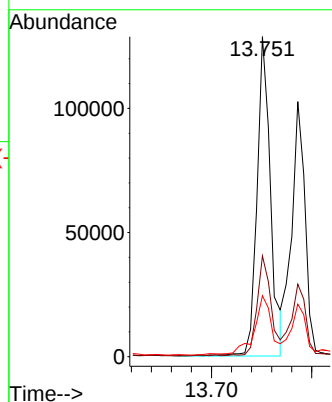
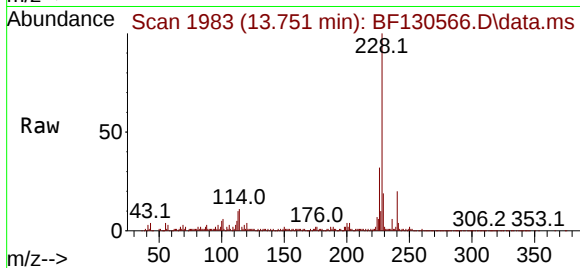
#81
Benzo(a)anthracene
Concen: 10.586 ng
RT: 13.751 min Scan# 1983
Delta R.T. -0.000 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43

Instrument :
BNA_F
ClientSampleId :
OE-3-100522

Tgt Ion:228 Resp: 11922
Ion Ratio Lower Upper
228 100
226 31.5 21.9 32.9
229 19.0 16.1 24.1

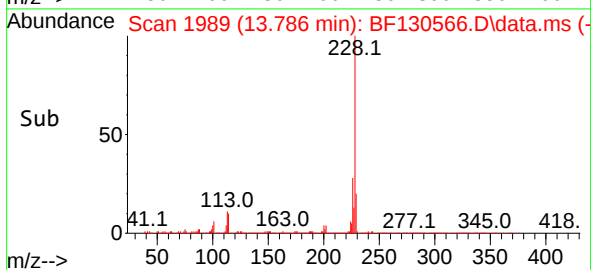
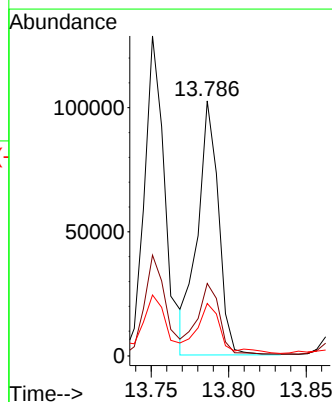
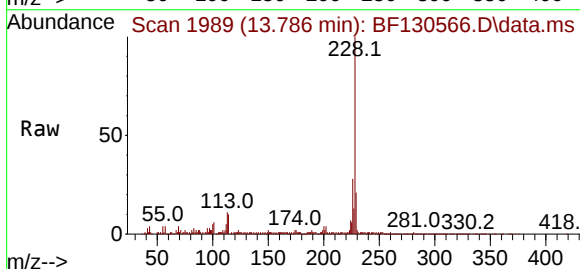
Manual Integrations
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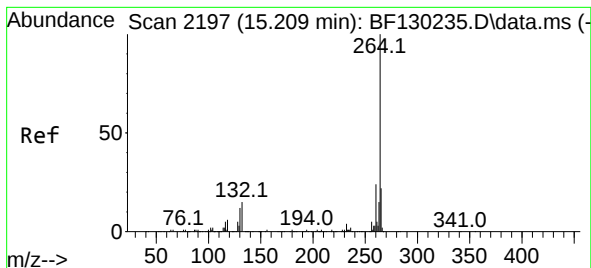
Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#83
Chrysene
Concen: 9.027 ng
RT: 13.786 min Scan# 1989
Delta R.T. -0.000 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43

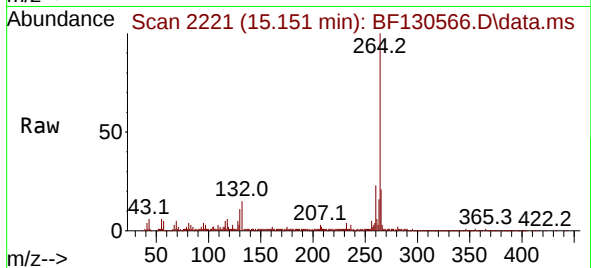
Tgt Ion:228 Resp: 96529
Ion Ratio Lower Upper
228 100
226 28.4 23.8 35.8
229 20.6 15.3 22.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.151 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43

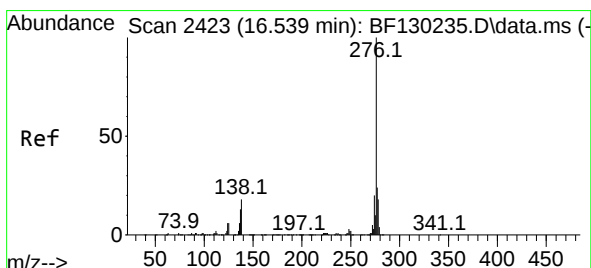
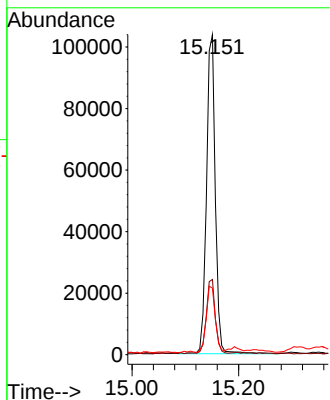
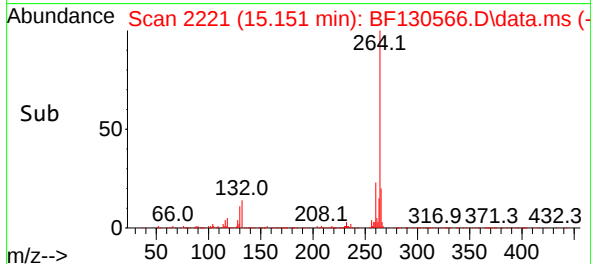
Instrument :
BNA_F
ClientSampleId :
OE-3-100522



Tgt Ion:264 Resp: 11910
Ion Ratio Lower Upper
264 100
260 23.5 19.3 28.9
265 20.8 17.0 25.4

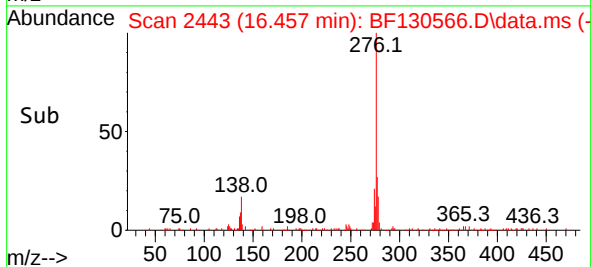
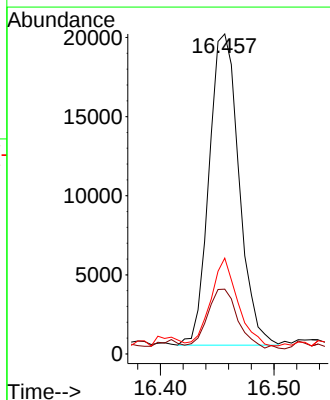
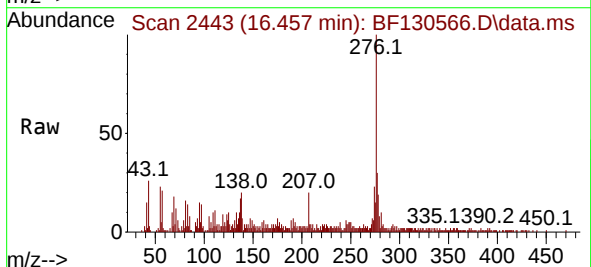
Manual Integrations
APPROVED

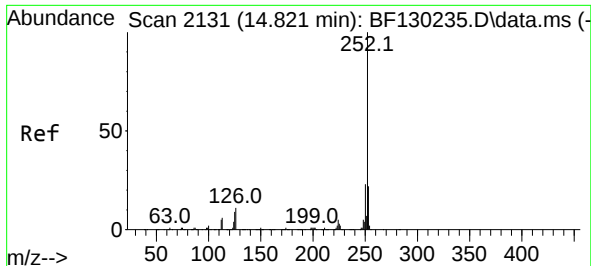
Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.266 ng
RT: 16.457 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43

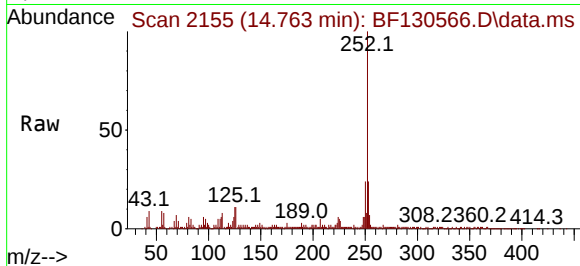
Tgt Ion:276 Resp: 36027
Ion Ratio Lower Upper
276 100
138 19.7 18.5 27.7
277 25.2 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 12.876 ng m
RT: 14.763 min Scan# 2155
Delta R.T. -0.000 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43

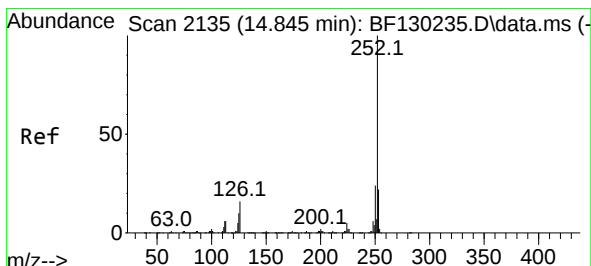
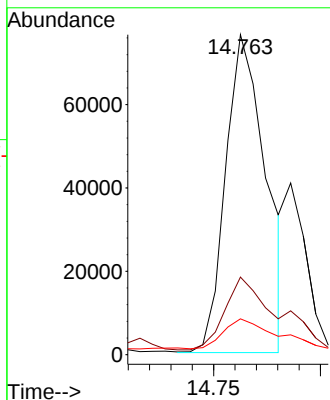
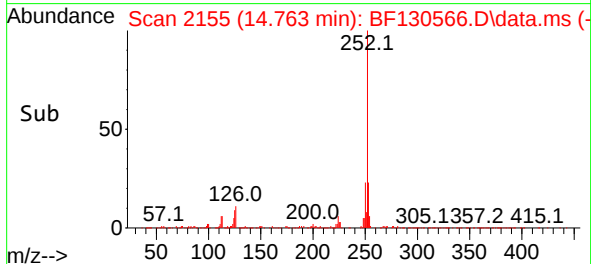
Instrument :
BNA_F
ClientSampleId :
OE-3-100522



Tgt Ion:252 Resp: 10009
Ion Ratio Lower Upper
252 100
253 24.3 17.7 26.5
125 11.2 8.1 12.1

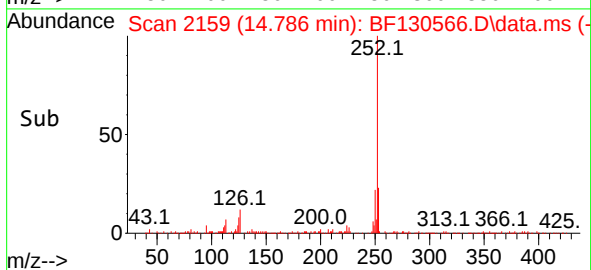
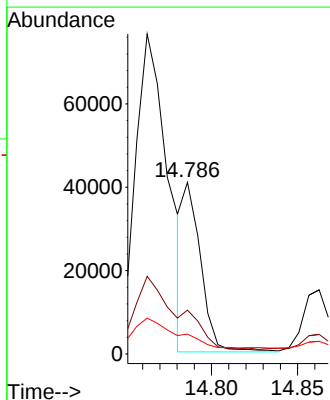
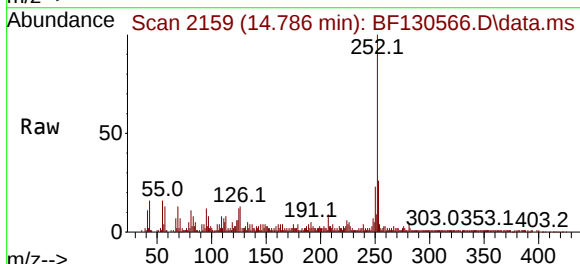
Manual Integrations
APPROVED

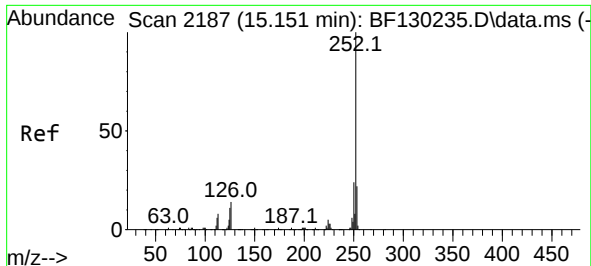
Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#89
Benzo(k)fluoranthene
Concen: 3.816 ng m
RT: 14.786 min Scan# 2159
Delta R.T. -0.000 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43

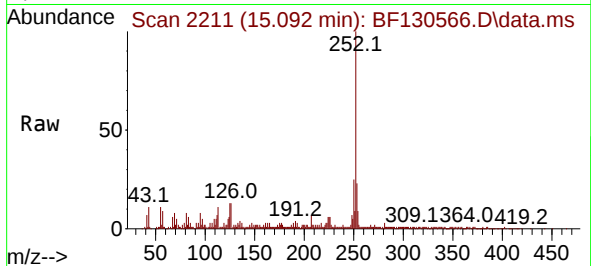
Tgt Ion:252 Resp: 29182
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.2
125 11.6 7.9 11.9





#90
Benzo(a)pyrene
Concen: 10.153 ng
RT: 15.092 min Scan# 2187
Delta R.T. -0.000 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43

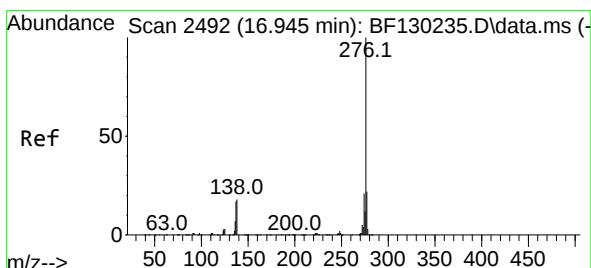
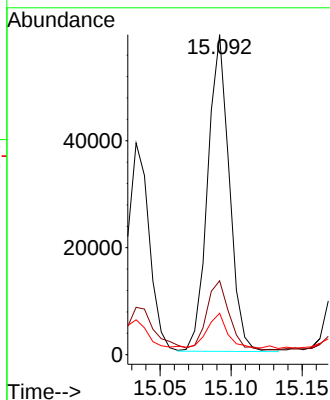
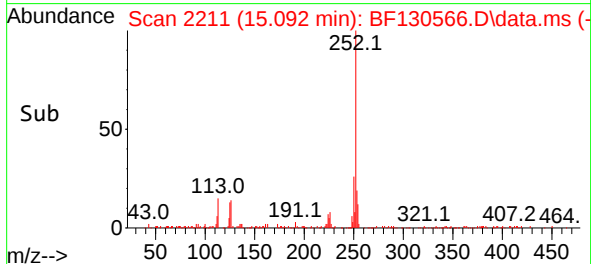
Instrument :
BNA_F
ClientSampleId :
OE-3-100522



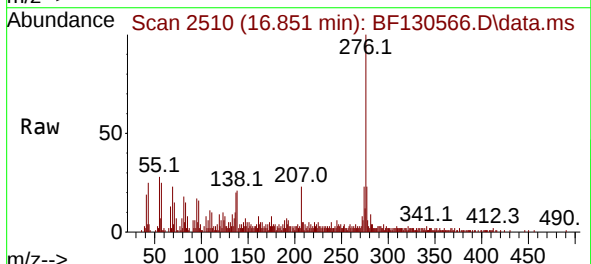
Tgt Ion:252 Resp: 62529
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 13.0 9.0 13.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 10/07/2022
Supervised By :Jagrut Upadhyay 10/10/2022



#92
Benzo(g,h,i)perylene
Concen: 4.753 ng
RT: 16.851 min Scan# 2510
Delta R.T. -0.000 min
Lab File: BF130566.D
Acq: 06 Oct 2022 23:43



Tgt Ion:276 Resp: 33171
Ion Ratio Lower Upper
276 100
277 22.6 18.6 27.8
138 20.9 14.6 21.8

