

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120922\
 Data File : BF131581.D
 Acq On : 09 Dec 2022 22:57
 Operator : CG\JU
 Sample : N5943-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RM-301

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/10/2022
 Supervised By : Jagrut Upadhyay 12/12/2022

Quant Time: Dec 10 04:07:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 06:08:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	59189	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	193081	20.000	ng	# 0.00
39) Acenaphthene-d10	9.963	164	95988	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	152091	20.000	ng	0.00
76) Chrysene-d12	14.110	240	109321	20.000	ng	0.00
86) Perylene-d12	15.627	264	97215	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	341167	96.160	ng	0.02
7) Phenol-d6	6.539	99	465227	100.065	ng	0.00
23) Nitrobenzene-d5	7.475	82	332304	65.068	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	73103	68.548	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	546662	71.808	ng	0.00
79) Terphenyl-d14	13.045	244	423950	53.183	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.474	178	44458	5.244	ng	99
75) Fluoranthene	12.674	202	75182	8.612	ng	99
78) Pyrene	12.904	202	69068	6.407	ng	99
81) Benzo(a)anthracene	14.098	228	36942	4.679	ng	95
83) Chrysene	14.133	228	36651	4.883	ng	96
88) Benzo(b)fluoranthene	15.174	252	38806m	6.057	ng	
89) Benzo(k)fluoranthene	15.204	252	13515m	2.021	ng	
90) Benzo(a)pyrene	15.557	252	26281	4.806	ng	# 91
92) Benzo(g,h,i)perylene	17.627	276	13977	2.130	ng	# 95

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

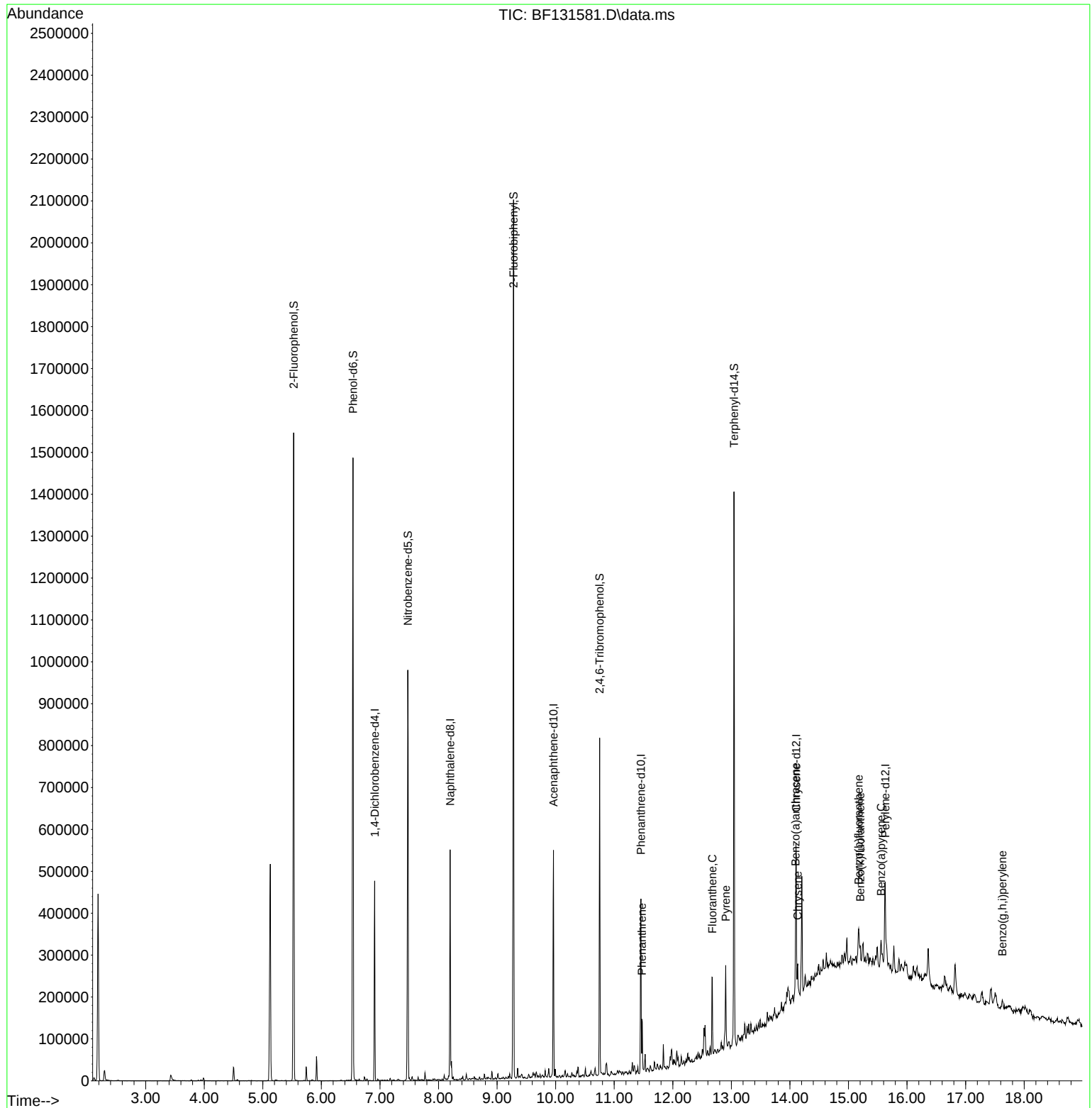
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120922\
Data File : BF131581.D
Acq On : 09 Dec 2022 22:57
Operator : CG\JU
Sample : N5943-01
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ALS Vial : 21 Sample Multiplier: 1

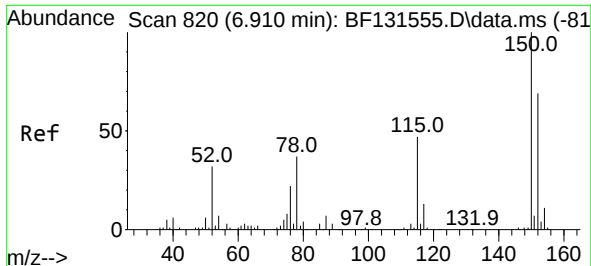
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 09 06:08:27 2022
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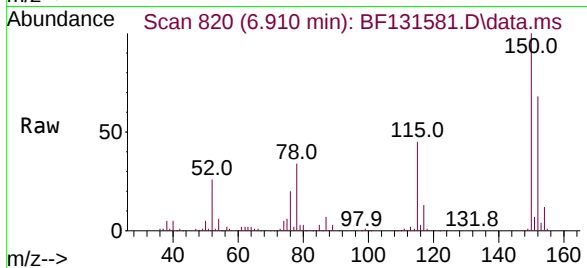
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Supervised By :Jagrut Upadhyay 12/12/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

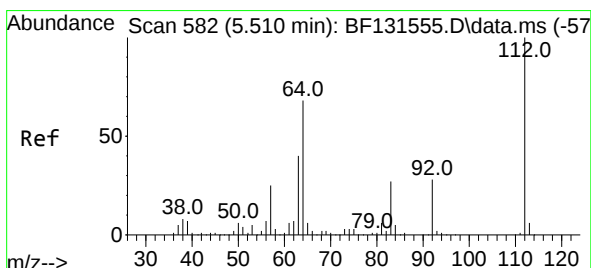
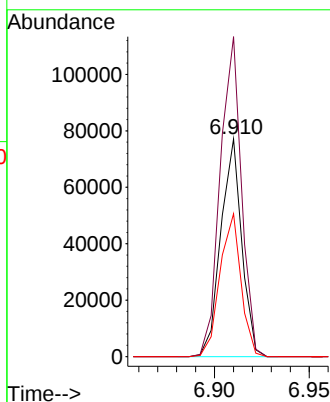
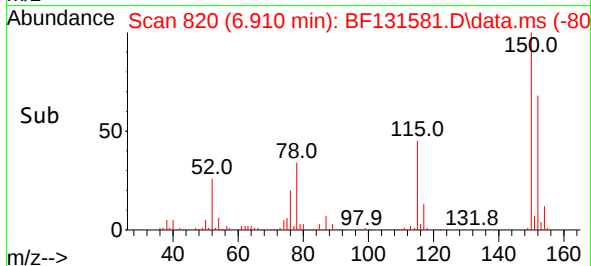
Instrument :
BNA_F
ClientSampleId :
RM-301



Tgt Ion:152 Resp: 59189
Ion Ratio Lower Upper
152 100
150 147.0 116.7 175.1
115 65.6 54.6 82.0

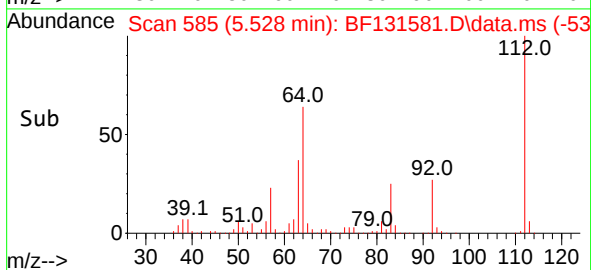
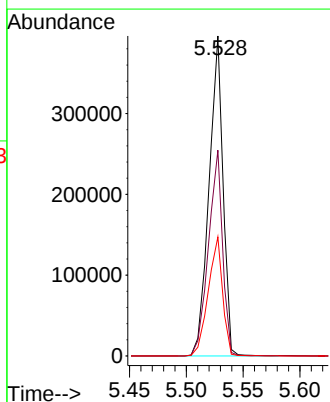
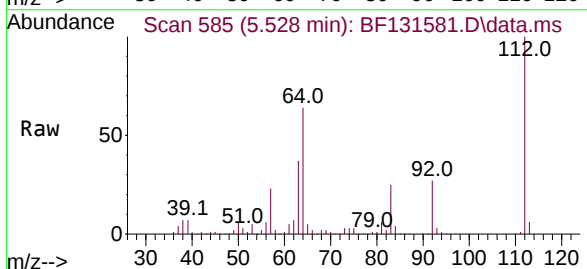
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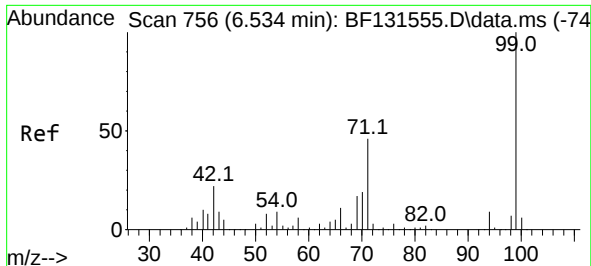
Reviewed By :Christian Giraldo 12/10/2022
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#5
2-Fluorophenol
Concen: 96.160 ng
RT: 5.528 min Scan# 585
Delta R.T. 0.018 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

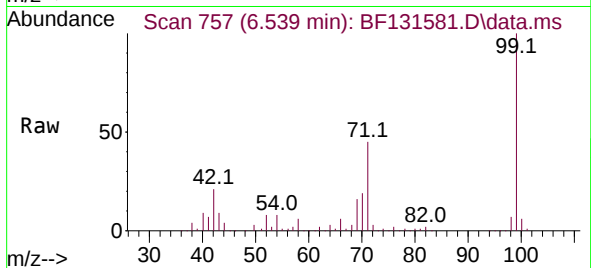
Tgt Ion:112 Resp: 341167
Ion Ratio Lower Upper
112 100
64 64.3 54.5 81.7
63 37.2 31.9 47.9





#7
Phenol-d6
Concen: 100.065 ng
RT: 6.539 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

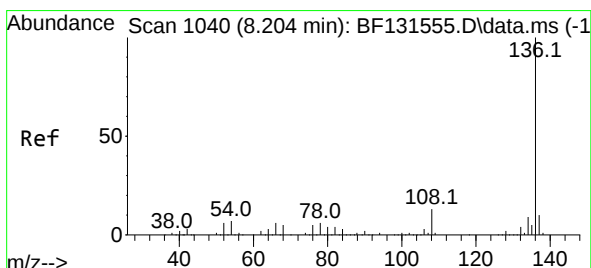
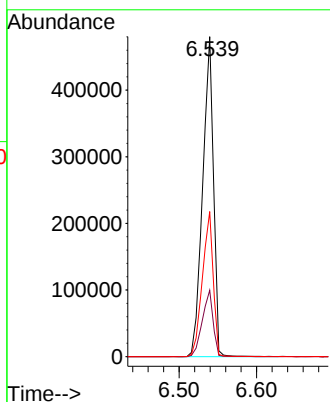
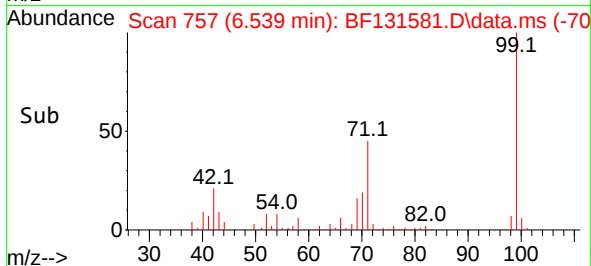
Instrument :
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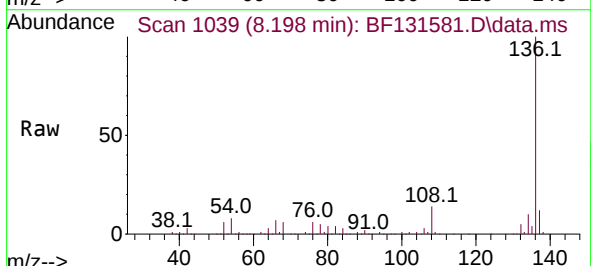
Tgt Ion: 99 Resp: 465227
Ion Ratio Lower Upper
99 100
42 20.7 17.9 26.9
71 45.3 37.2 55.8

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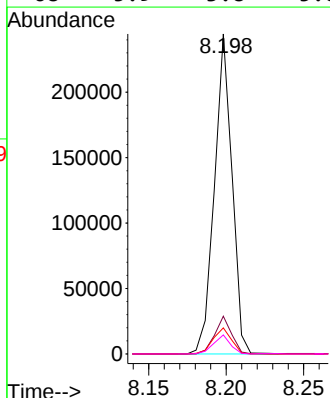
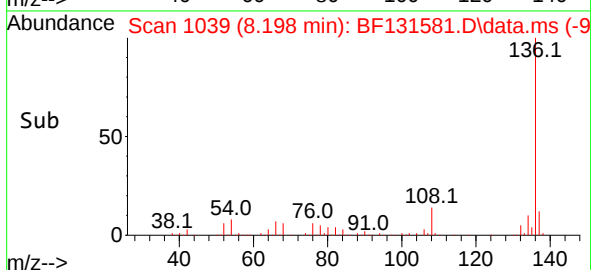
Reviewed By :Christian Giraldo 12/10/2022
Supervised By :Jagrut Upadhyay 12/12/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57



Tgt Ion:136 Resp: 193081
Ion Ratio Lower Upper
136 100
137 11.8 8.1 12.1
54 8.1 6.0 9.0
68 5.9 3.8 5.8#





#23

Nitrobenzene-d5

Concen: 65.068 ng

RT: 7.475 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF131581.D

Acq: 09 Dec 2022 22:57

Instrument :

BNA_F

ClientSampleId :

RM-301

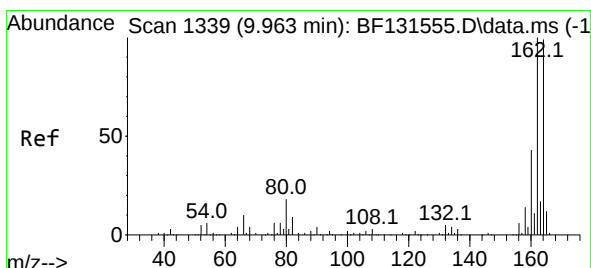
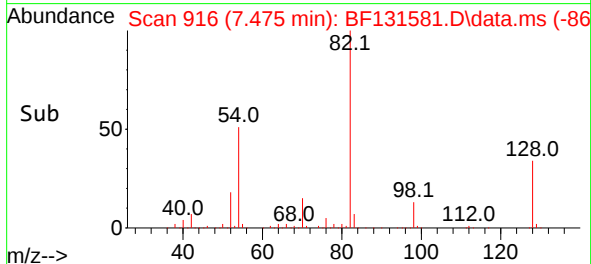
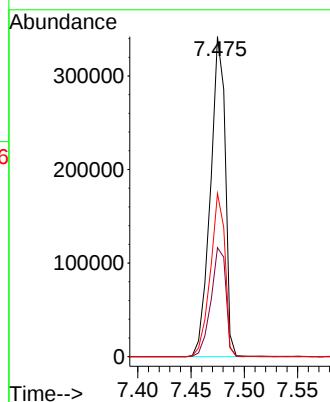
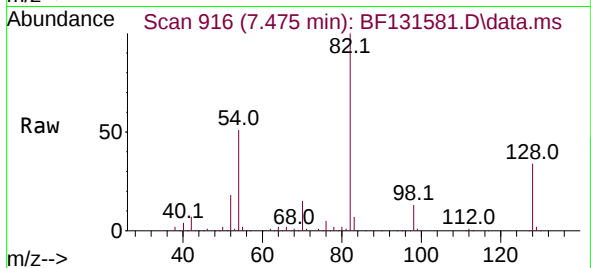
Tgt Ion: 82 Resp: 332304
 Ion Ratio Lower Upper
 82 100
 128 34.0 26.1 39.1
 54 51.0 40.6 60.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

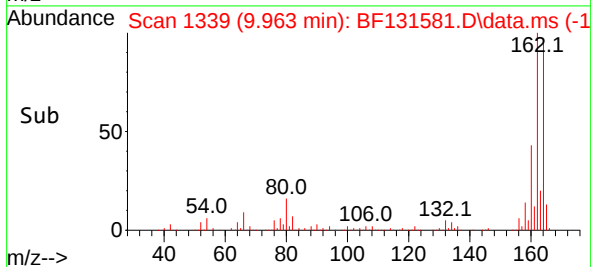
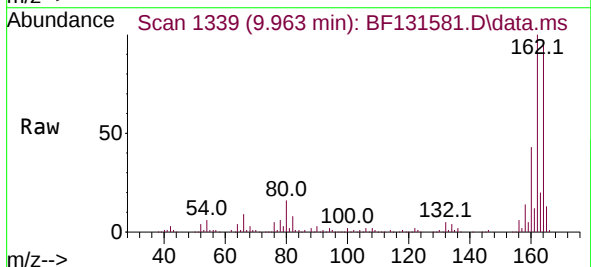
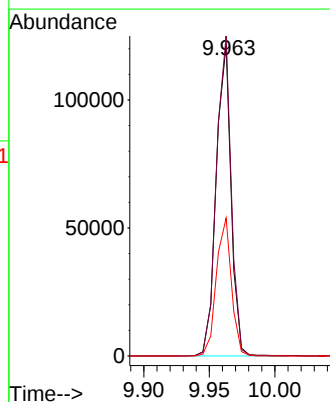
RT: 9.963 min Scan# 1339

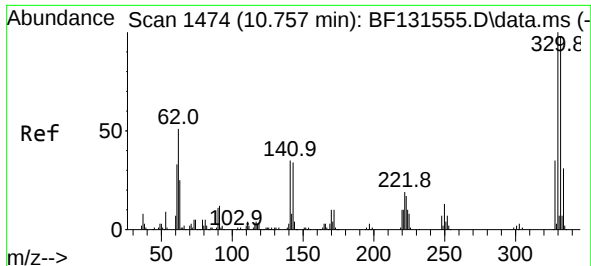
Delta R.T. -0.000 min

Lab File: BF131581.D

Acq: 09 Dec 2022 22:57

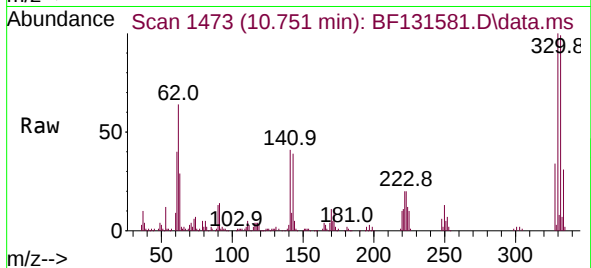
Tgt Ion:164 Resp: 95988
 Ion Ratio Lower Upper
 164 100
 162 102.8 81.0 121.6
 160 44.2 35.0 52.6





#42
2,4,6-Tribromophenol
Concen: 68.548 ng
RT: 10.751 min Scan# 1473
Delta R.T. -0.006 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

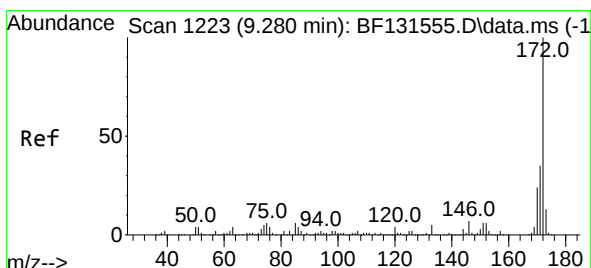
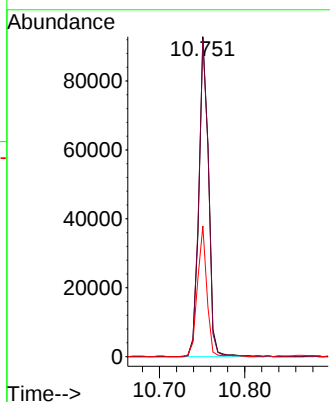
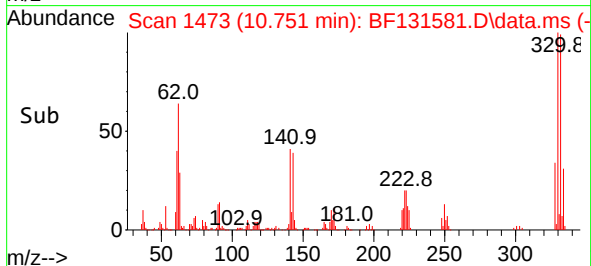
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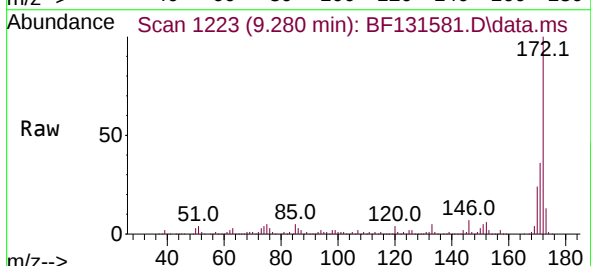
Tgt Ion: 330 Resp: 73103
Ion Ratio Lower Upper
330 100
332 98.8 78.3 117.5
141 39.3 32.6 49.0

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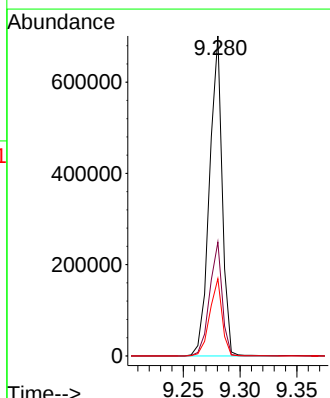
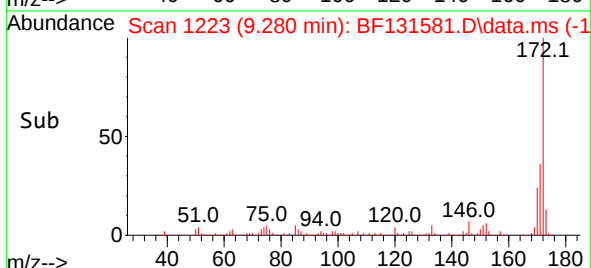
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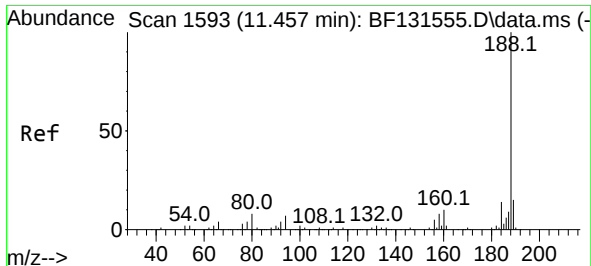


#45
2-Fluorobiphenyl
Concen: 71.808 ng
RT: 9.280 min Scan# 1223
Delta R.T. -0.000 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57



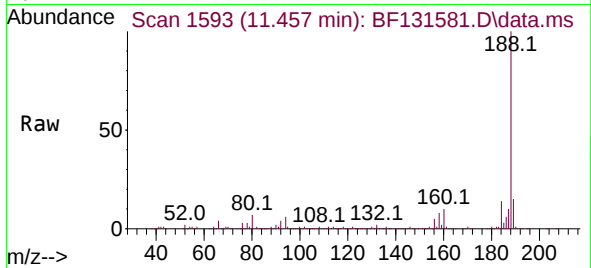
Tgt Ion: 172 Resp: 546662
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 24.1 19.3 28.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

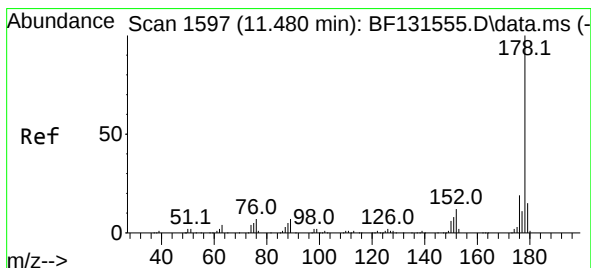
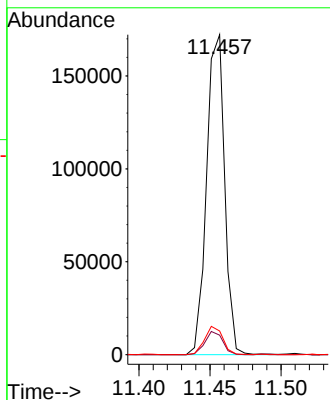
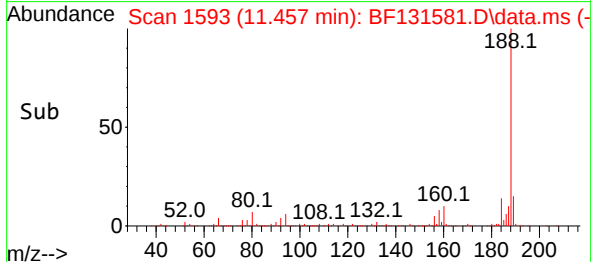
Instrument :
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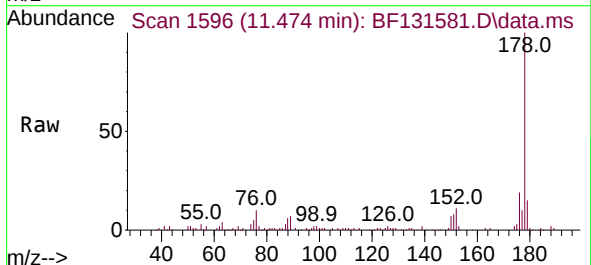
Tgt Ion:188 Resp: 152091
Ion Ratio Lower Upper
188 100
94 6.1 5.5 8.3
80 7.4 6.6 10.0

Manual Integrations
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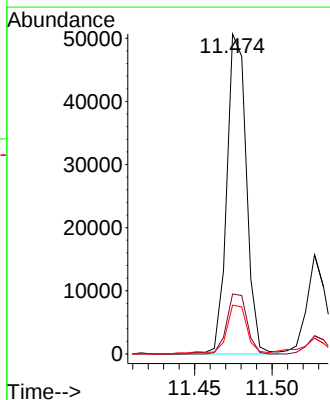
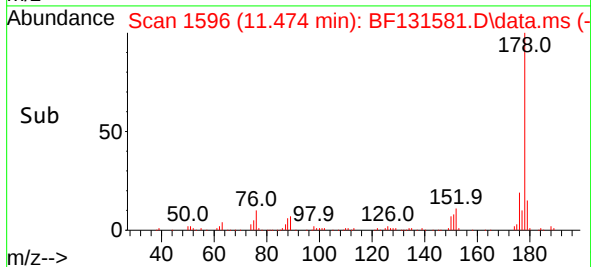
Reviewed By :Christian Giraldo 12/10/2022
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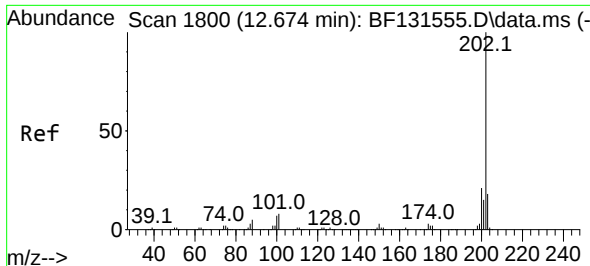


#71
Phenanthrene
Concen: 5.244 ng
RT: 11.474 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57



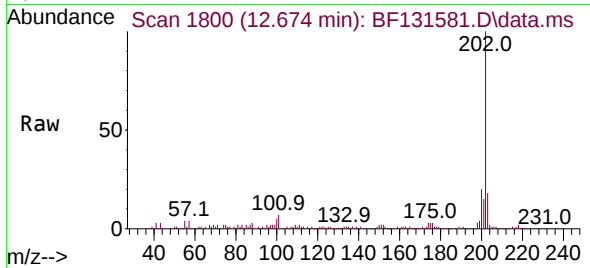
Tgt Ion:178 Resp: 44458
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.2 12.2 18.4





#75
Fluoranthene
Concen: 8.612 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

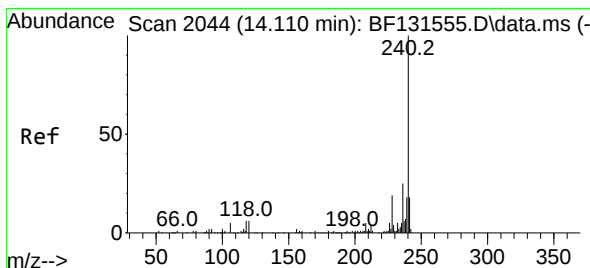
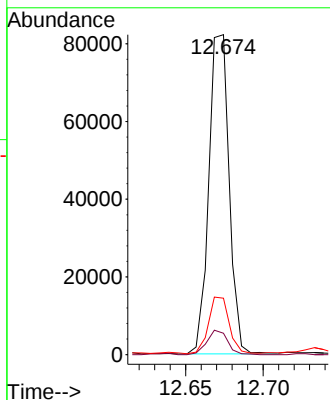
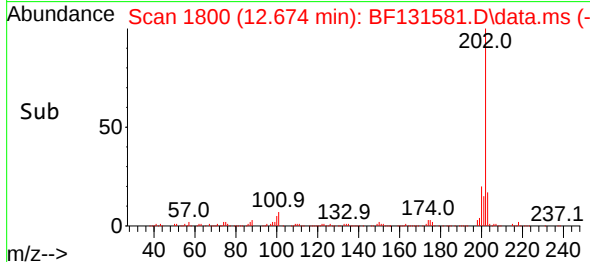
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Tgt Ion:202 Resp: 75182
Ion Ratio Lower Upper
202 100
101 6.7 0.0 27.7
203 17.6 0.0 37.7

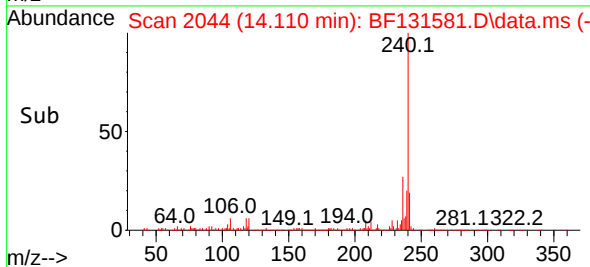
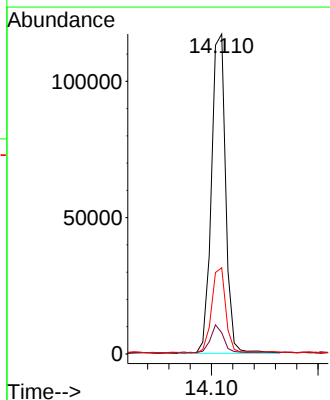
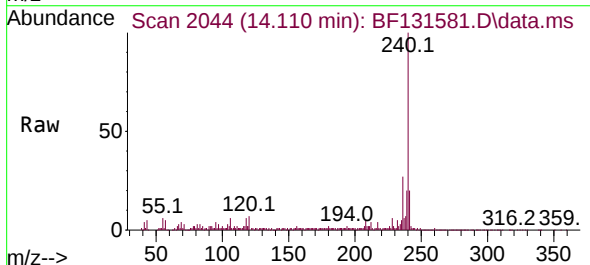
Manual Integrations
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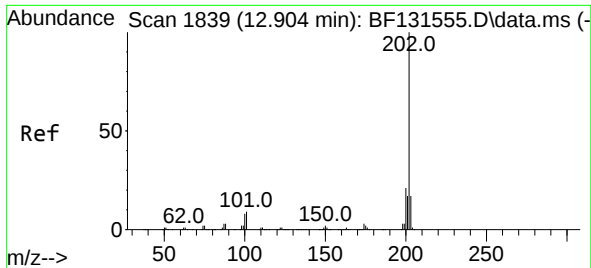
Reviewed By :Christian Giraldo 12/10/2022
Supervised By :Jagrut Upadhyay 12/12/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2044
Delta R.T. -0.000 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

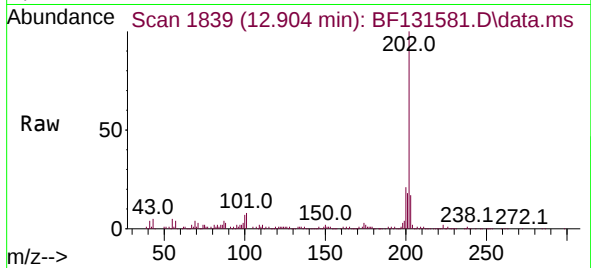
Tgt Ion:240 Resp: 109321
Ion Ratio Lower Upper
240 100
120 6.6 4.6 7.0
236 26.9 20.2 30.2





#78
Pyrene
Concen: 6.407 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

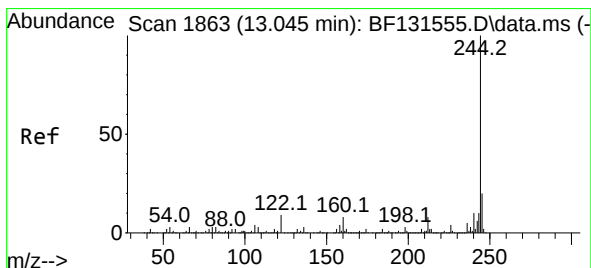
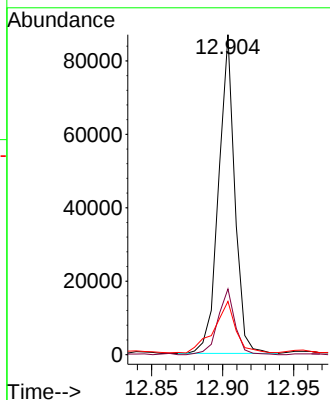
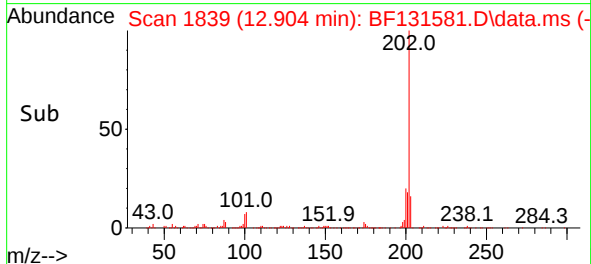
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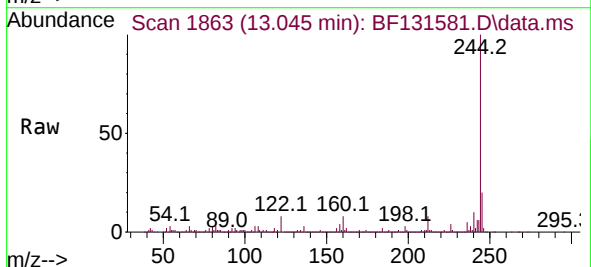
Tgt Ion:202 Resp: 69068
Ion Ratio Lower Upper
202 100
200 20.5 16.7 25.1
203 16.6 13.8 20.6

Manual Integrations
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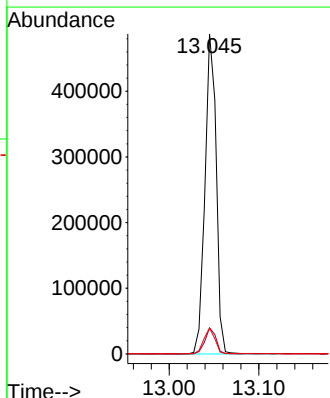
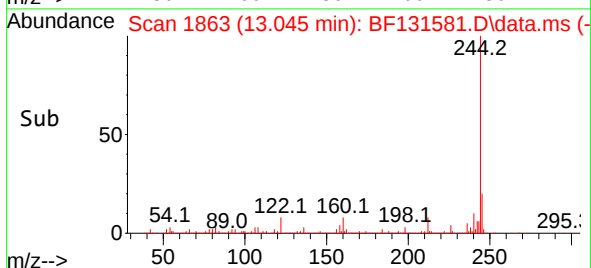
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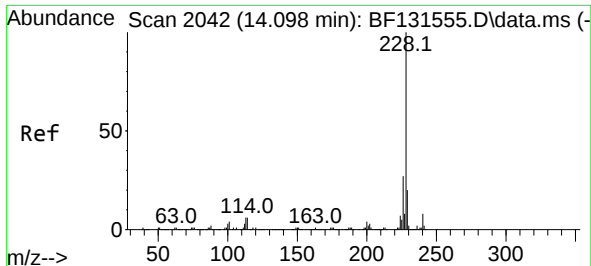


#79
Terphenyl-d14
Concen: 53.183 ng
RT: 13.045 min Scan# 1863
Delta R.T. -0.000 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57



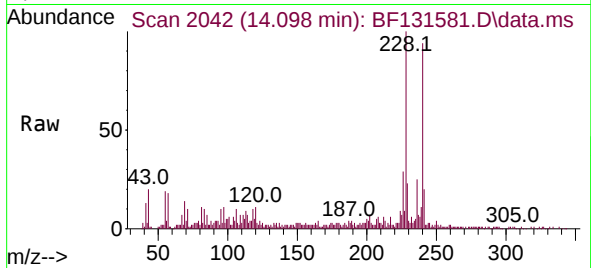
Tgt Ion:244 Resp: 423950
Ion Ratio Lower Upper
244 100
212 8.1 6.5 9.7
122 8.1 7.1 10.7





#81
Benzo(a)anthracene
Concen: 4.679 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

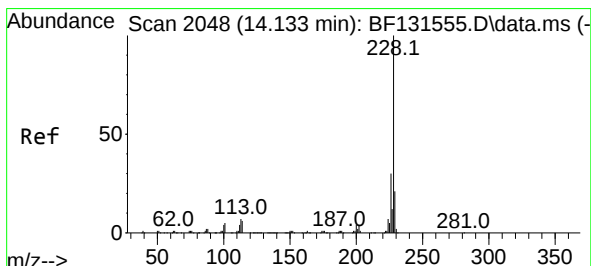
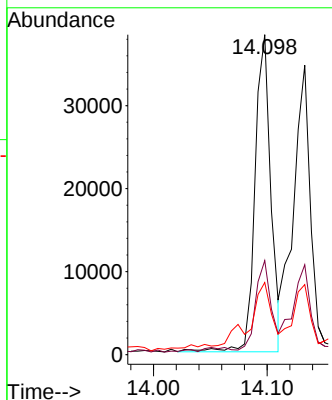
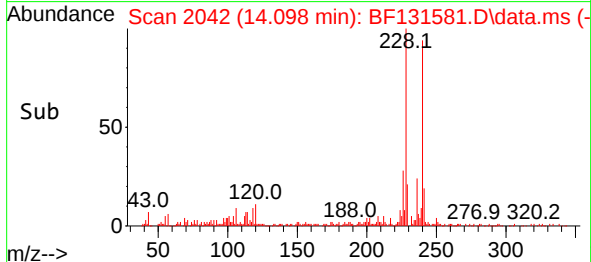
Instrument :
BNA_F
ClientSampleId :
RM-301



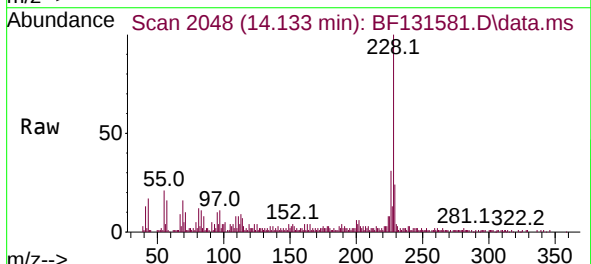
Tgt Ion:228 Resp: 36942
Ion Ratio Lower Upper
228 100
226 29.4 21.5 32.3
229 22.5 15.8 23.6

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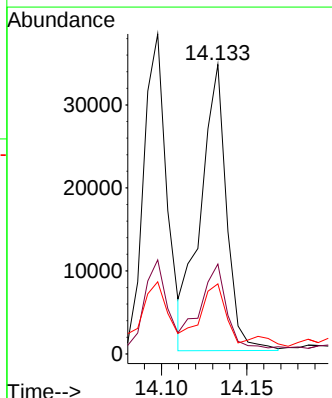
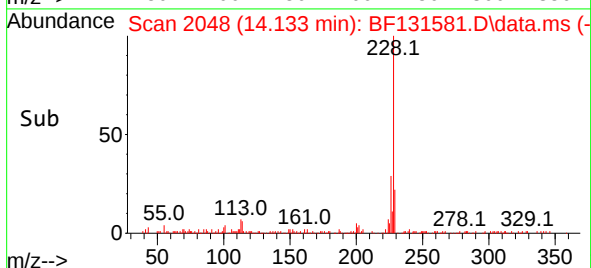
Reviewed By :Christian Giraldo 12/10/2022
Supervised By :Jagrut Upadhyay 12/12/2022

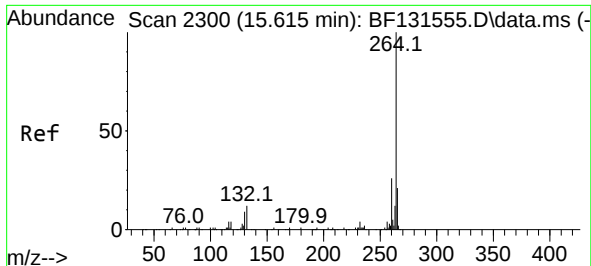


#83
Chrysene
Concen: 4.883 ng
RT: 14.133 min Scan# 2048
Delta R.T. -0.000 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57



Tgt Ion:228 Resp: 36651
Ion Ratio Lower Upper
228 100
226 31.0 23.9 35.9
229 24.2 16.7 25.1





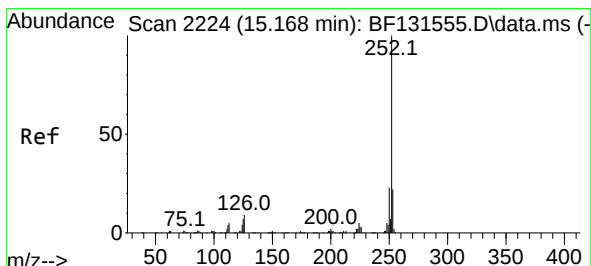
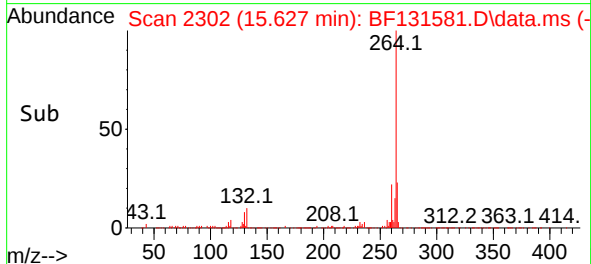
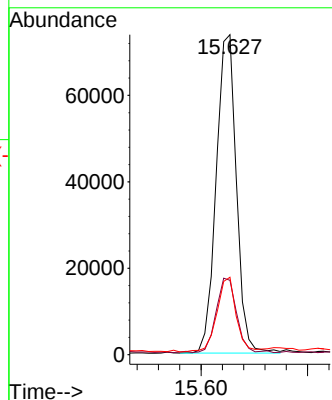
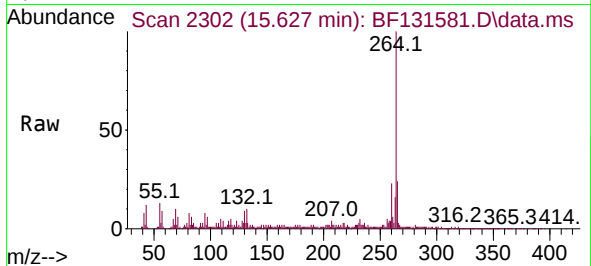
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2300
Delta R.T. 0.012 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

Instrument :
BNA_F
ClientSampleId :
RM-301

Tgt Ion:264 Resp: 97215
Ion Ratio Lower Upper
264 100
260 23.2 20.6 30.8
265 24.2 16.8 25.2

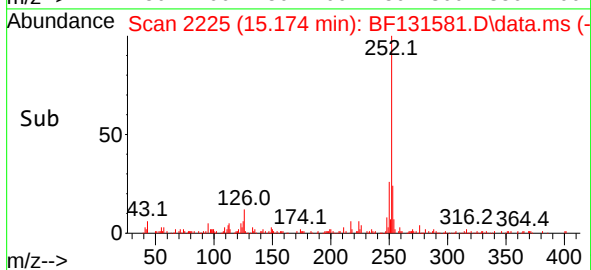
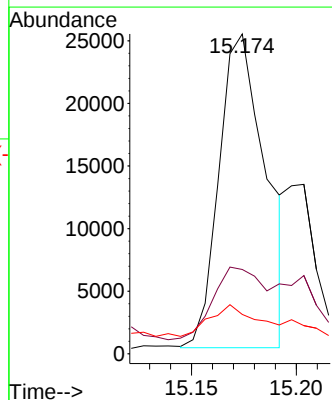
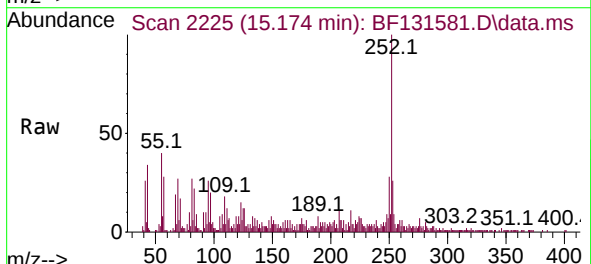
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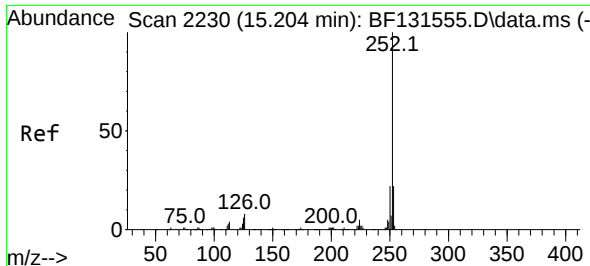
Reviewed By :Christian Giraldo 12/10/2022
Supervised By :Jagrut Upadhyay 12/12/2022



#88
Benzo(b)fluoranthene
Concen: 6.057 ng m
RT: 15.174 min Scan# 2225
Delta R.T. 0.006 min
Lab File: BF131581.D
Acq: 09 Dec 2022 22:57

Tgt Ion:252 Resp: 38806
Ion Ratio Lower Upper
252 100
253 26.4 17.7 26.5
125 12.3 5.6 8.4#





#89

Benzo(k)fluoranthene

Concen: 2.021 ng m

RT: 15.204 min Scan# 2230

Delta R.T. -0.000 min

Lab File: BF131581.D

Acq: 09 Dec 2022 22:57

Instrument :

BNA_F

ClientSampleId :

RM-301

Tgt Ion:252 Resp: 13515

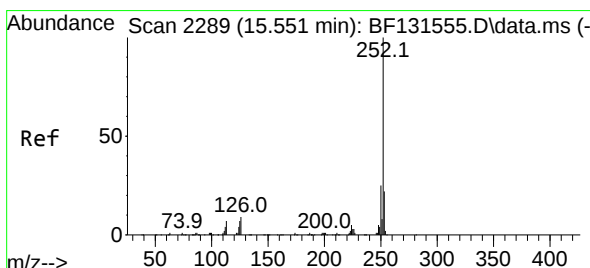
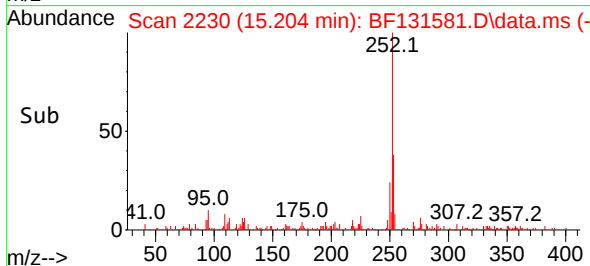
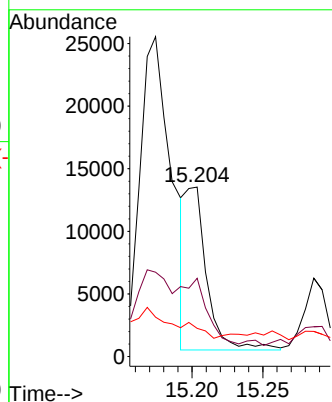
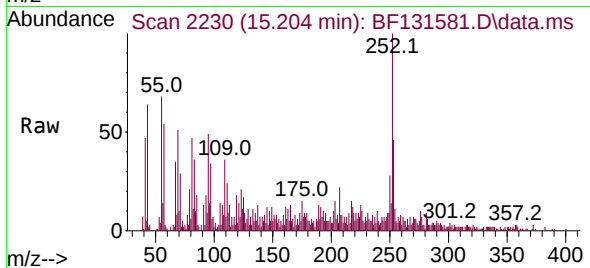
Ion	Ratio	Lower	Upper
252	100		
253	46.2	17.7	26.5
125	16.7	4.9	7.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/10/2022

Supervised By :Jagrut Upadhyay 12/12/2022



#90

Benzo(a)pyrene

Concen: 4.806 ng

RT: 15.557 min Scan# 2290

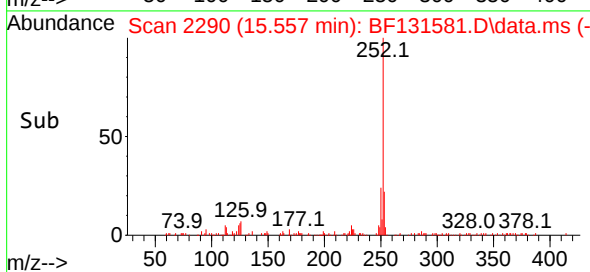
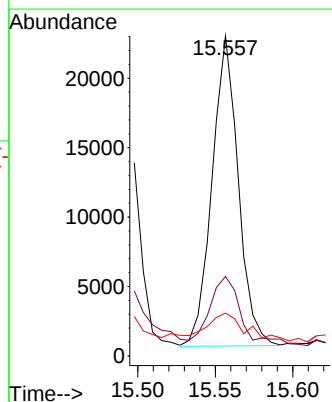
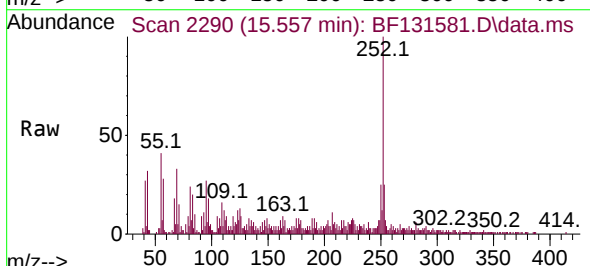
Delta R.T. 0.006 min

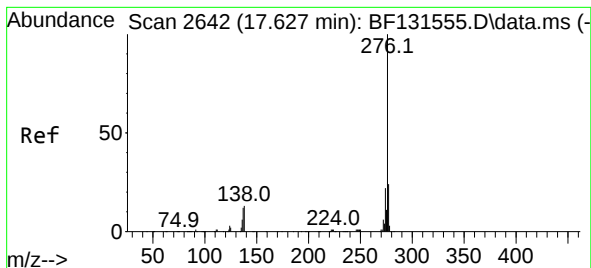
Lab File: BF131581.D

Acq: 09 Dec 2022 22:57

Tgt Ion:252 Resp: 26281

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.5	26.3
125	13.4	5.6	8.4





#92

Benzo(g,h,i)perylene

Concen: 2.130 ng

RT: 17.627 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF131581.D

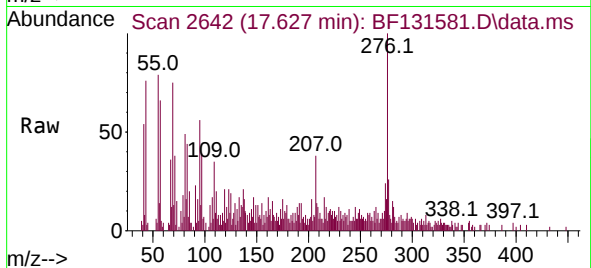
Acq: 09 Dec 2022 22:57

Instrument :

BNA_F

ClientSampleId :

RM-301



Tgt Ion:276 Resp: 1397

Ion Ratio Lower Upper

276 100

277 25.9 19.0 28.6

138 16.2 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/10/2022

Supervised By :Jagrut Upadhyay 12/12/2022

