

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
 Data File : BF135389.D
 Acq On : 21 Sep 2023 19:48
 Operator : CG\JU
 Sample : 04474-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 H-2313-SOIL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/22/2023
 Supervised By :mohammad ahmed 09/27/2023

Quant Time: Sep 22 05:59:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	131851	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	462368	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	184187	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	317387	20.000	ng	0.00
76) Chrysene-d12	13.939	240	237412	20.000	ng	0.00
86) Perylene-d12	15.410	264	192851	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	365004	45.025	ng	0.00
7) Phenol-d6	6.398	99	455451	44.184	ng	0.00
23) Nitrobenzene-d5	7.316	82	251845	29.592	ng	-0.02
42) 2,4,6-Tribromophenol	10.586	330	60191	32.885	ng	-0.01
45) 2-Fluorobiphenyl	9.110	172	358861	29.395	ng	-0.02
79) Terphenyl-d14	12.880	244	288832	18.859	ng	-0.01
Target Compounds						
75) Fluoranthene	12.504	202	47391	3.030	ng	Qvalue 98
88) Benzo(b)fluoranthene	14.986	252	22483m	2.154	ng	

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

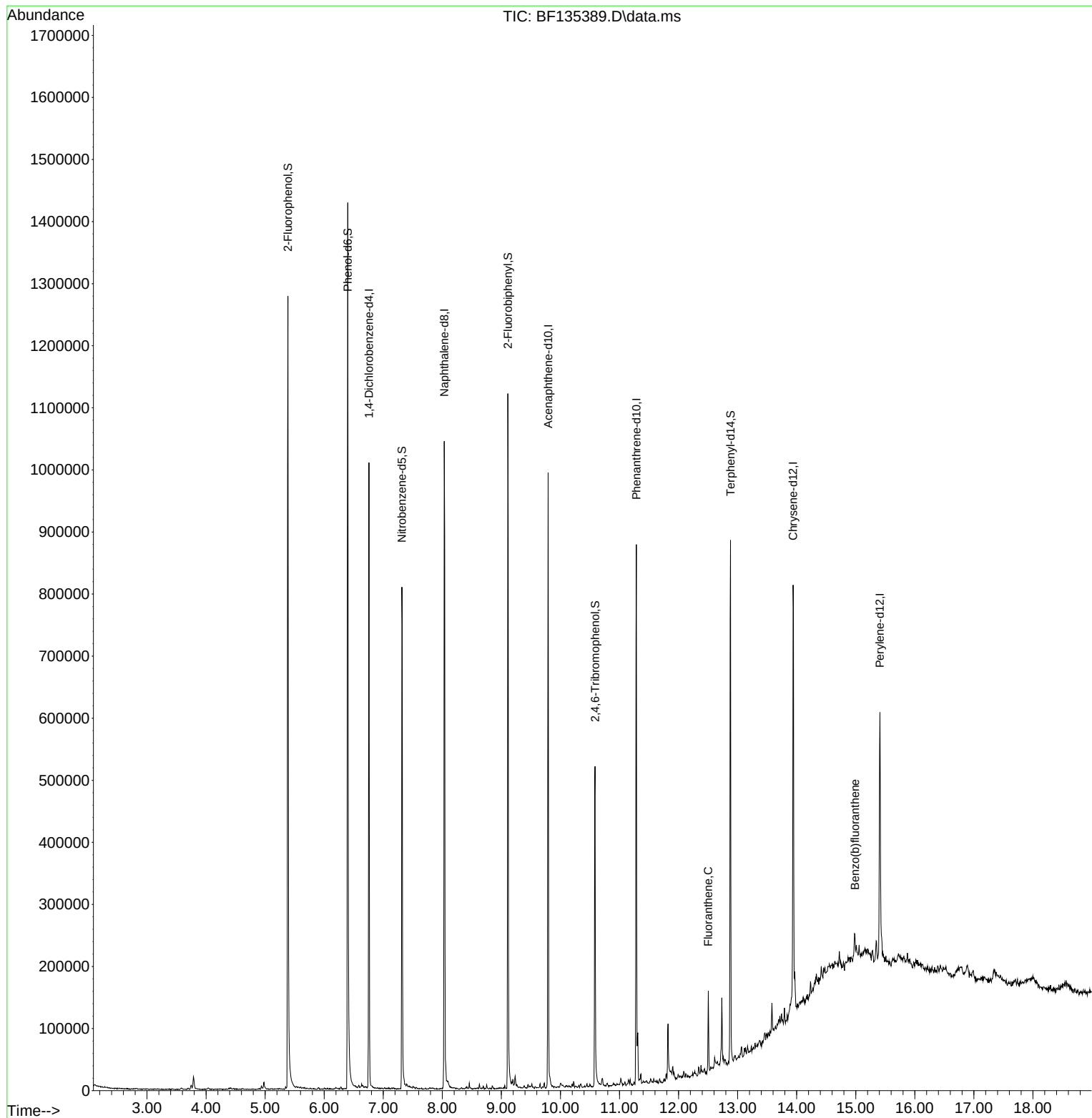
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135389.D
Acq On : 21 Sep 2023 19:48
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ALS Vial : 21 Sample Multiplier: 1

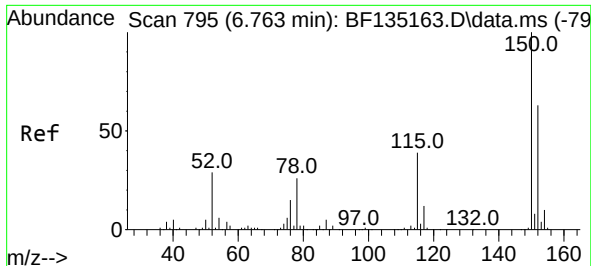
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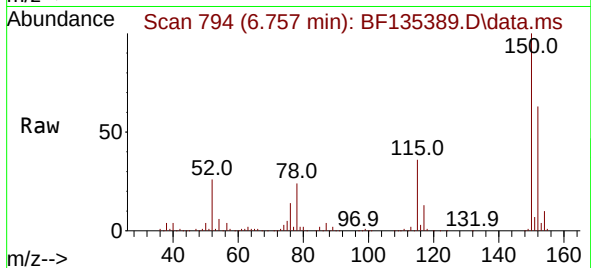
Quant Time: Sep 22 05:59:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

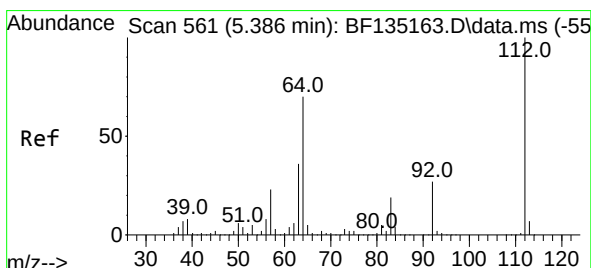
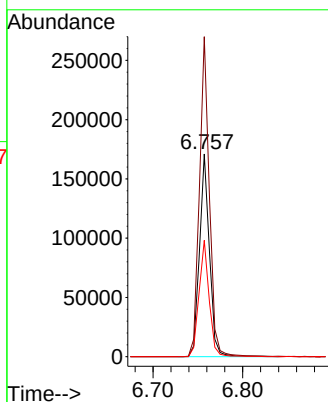
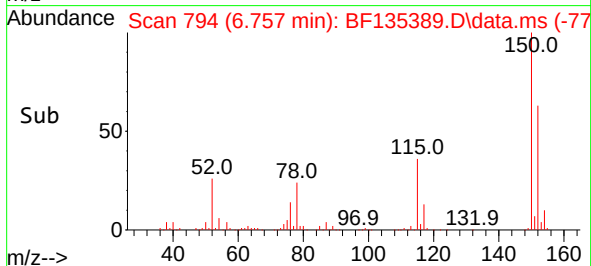
Instrument :
BNA_F
ClientSampleId :
H-2313-SOIL



Tgt Ion:152 Resp: 13185
Ion Ratio Lower Upper
152 100
150 157.9 127.8 191.6
115 57.4 49.8 74.8

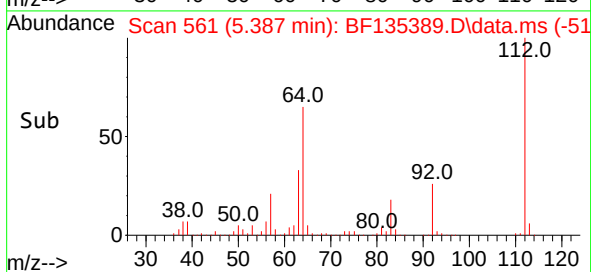
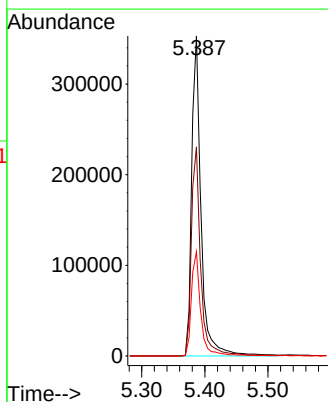
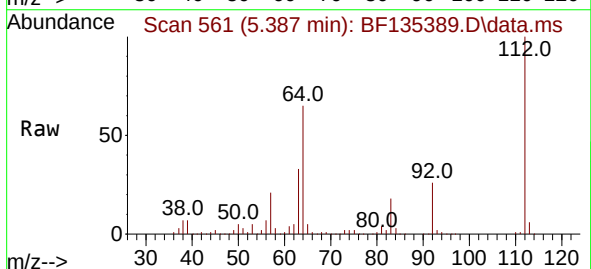
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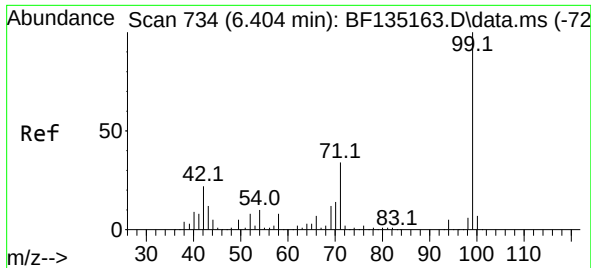
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#5
2-Fluorophenol
Concen: 45.025 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

Tgt Ion:112 Resp: 365004
Ion Ratio Lower Upper
112 100
64 65.4 55.9 83.9
63 32.6 29.0 43.6





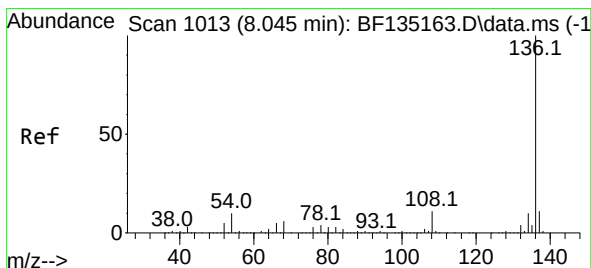
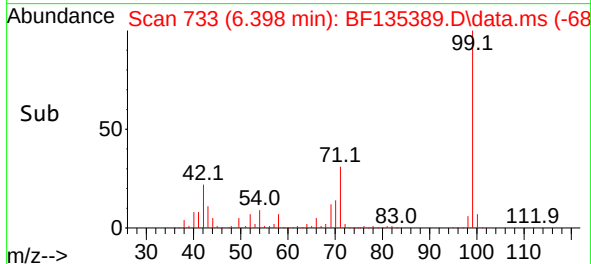
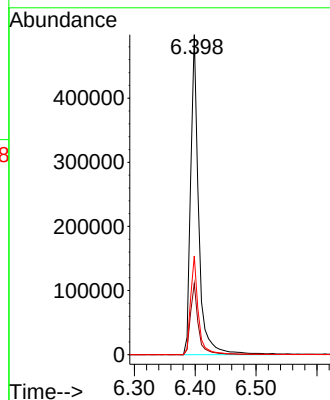
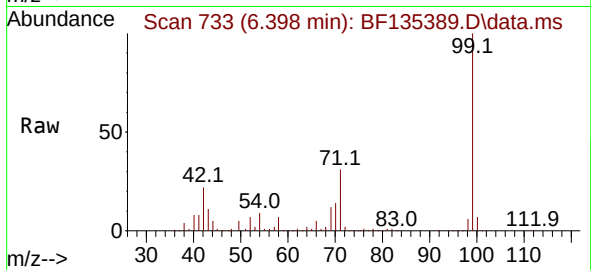
#7
Phenol-d6
Concen: 44.184 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

Instrument :
BNA_F
ClientSampleId :
H-2313-SOIL

Tgt Ion: 99 Resp: 45545
Ion Ratio Lower Upper
99 100
42 22.3 17.9 26.9
71 30.9 27.0 40.6

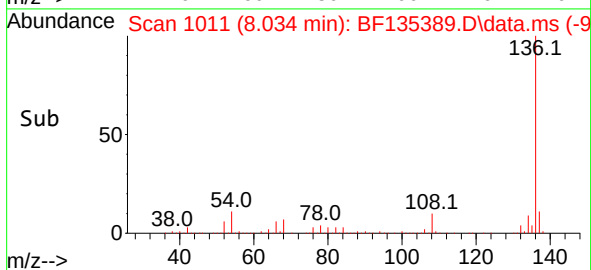
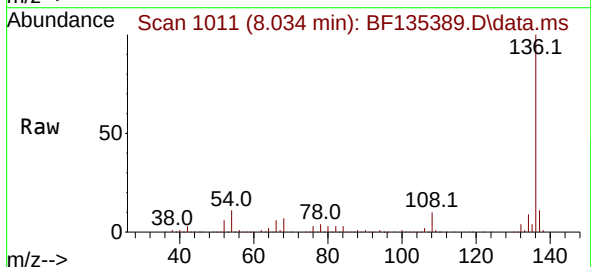
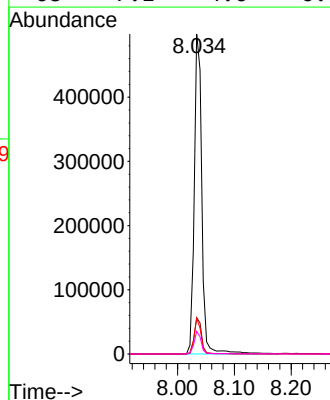
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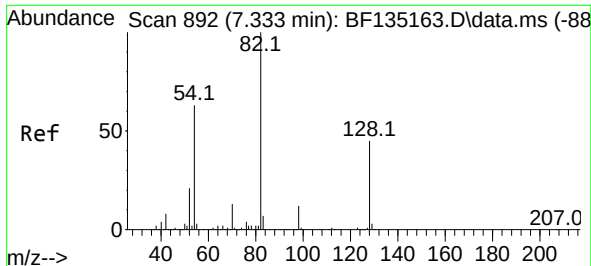
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

Tgt Ion:136 Resp: 462368
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 11.2 7.7 11.5
68 7.1 4.6 6.8#





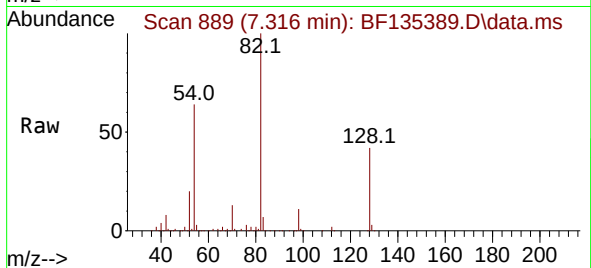
#23
Nitrobenzene-d5
Concen: 29.592 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

Instrument :

BNA_F

ClientSampleId :

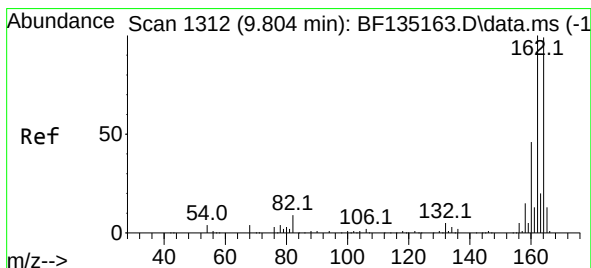
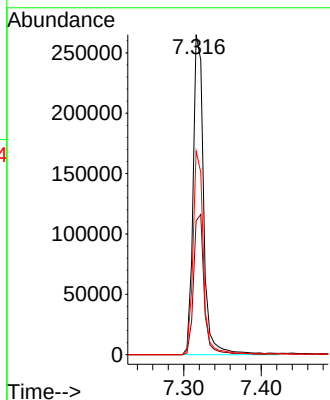
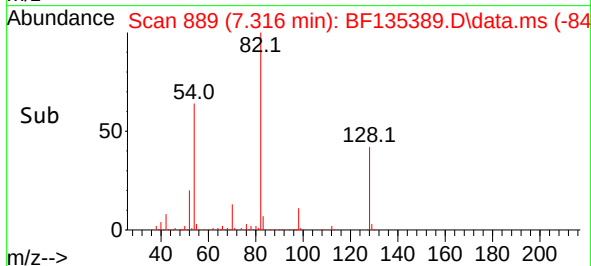
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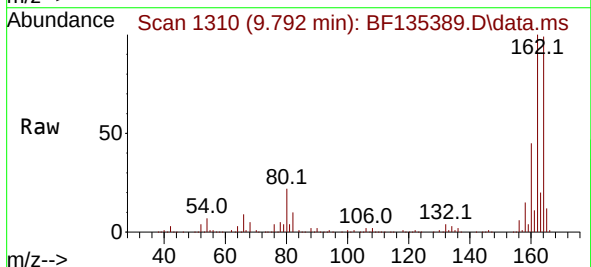
Tgt Ion: 82 Resp: 25184
Ion Ratio Lower Upper
82 100
128 41.8 35.8 53.6
54 63.6 50.6 76.0

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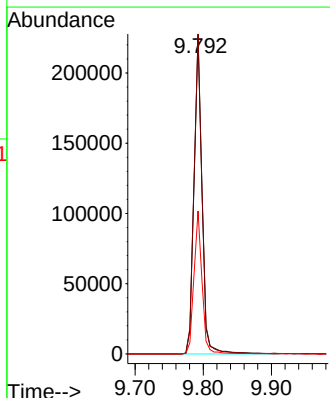
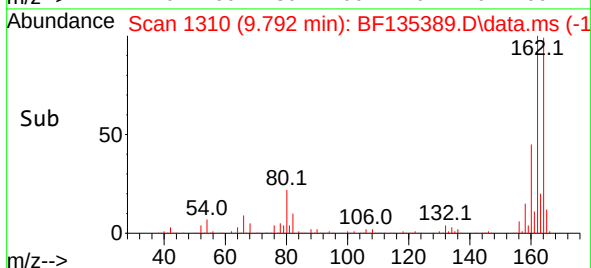
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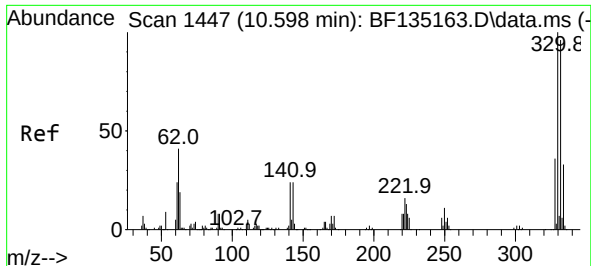


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48



Tgt Ion:164 Resp: 184187
Ion Ratio Lower Upper
164 100
162 100.6 81.0 121.4
160 45.0 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 32.885 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

Instrument :

BNA_F

ClientSampleId :

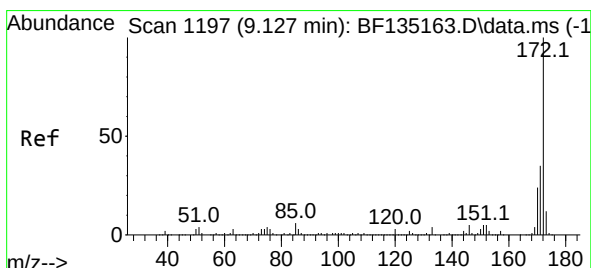
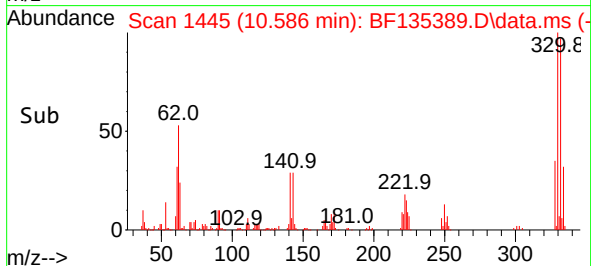
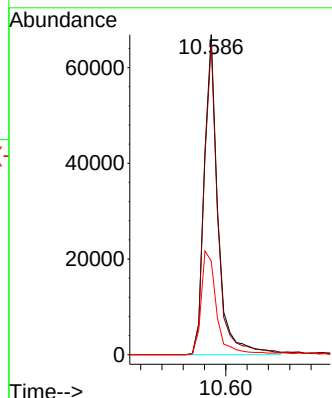
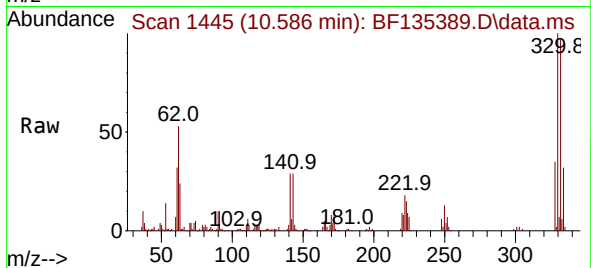
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Tgt Ion:330 Resp: 6019
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 37.0 25.8 38.8

Manual Integrations

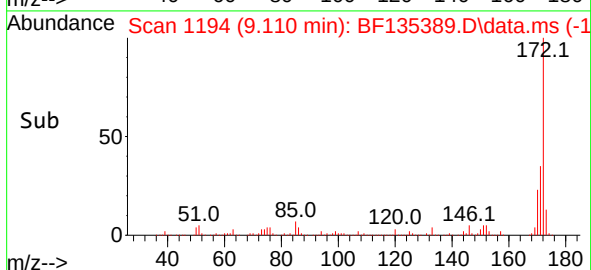
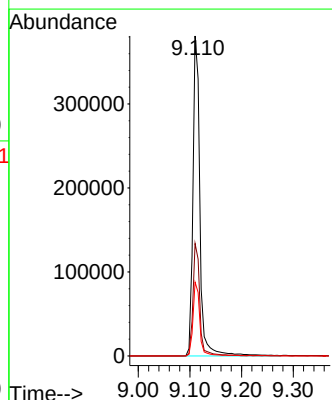
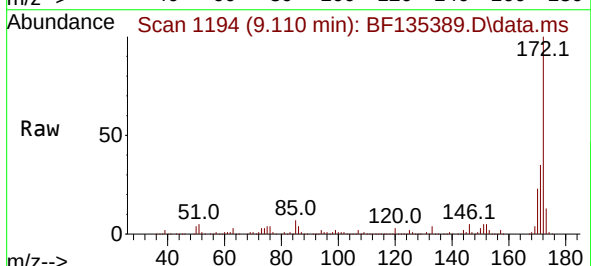
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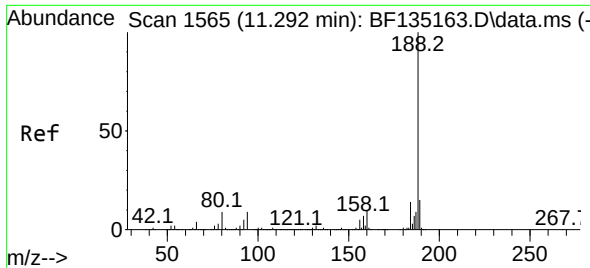
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#45
2-Fluorobiphenyl
Concen: 29.395 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.018 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

Tgt Ion:172 Resp: 358861
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.1 19.0 28.4





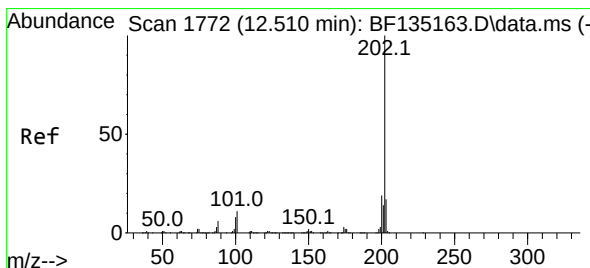
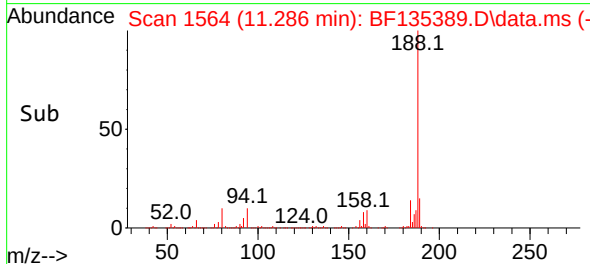
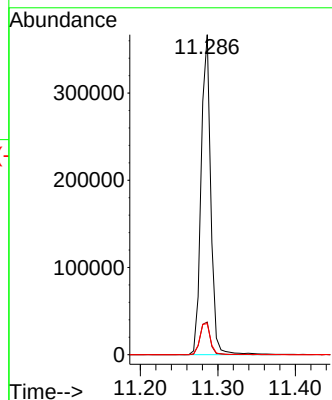
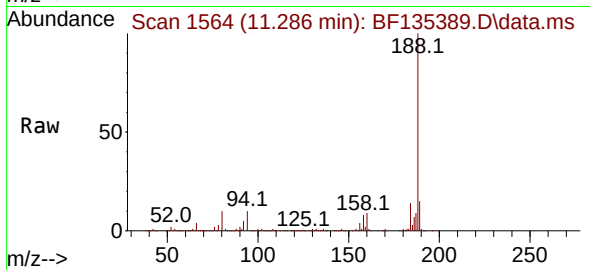
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

Instrument :
BNA_F
ClientSampleId :
H-2313-SOIL

Tgt Ion:188 Resp: 31738
Ion Ratio Lower Upper
188 100
94 10.2 7.0 10.6
80 9.7 7.5 11.3

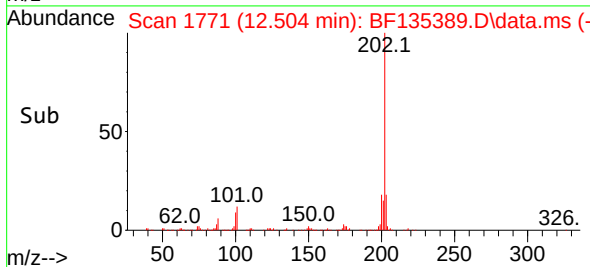
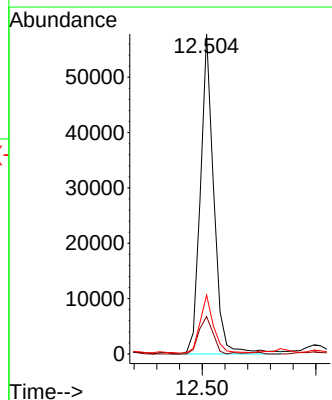
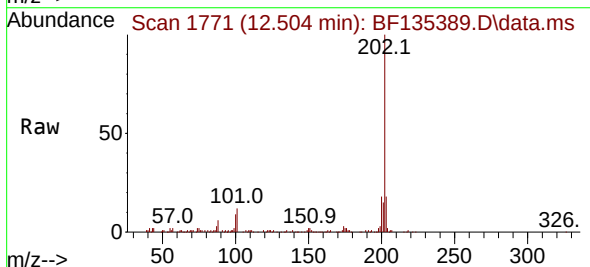
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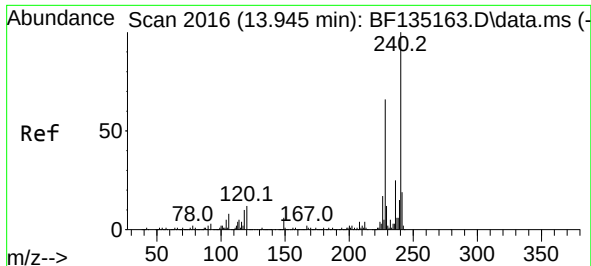
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#75
Fluoranthene
Concen: 3.030 ng
RT: 12.504 min Scan# 1771
Delta R.T. -0.006 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

Tgt Ion:202 Resp: 47391
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.3
203 18.4 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

Instrument :

BNA_F

ClientSampleId :

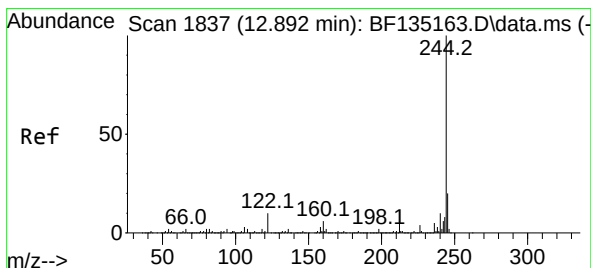
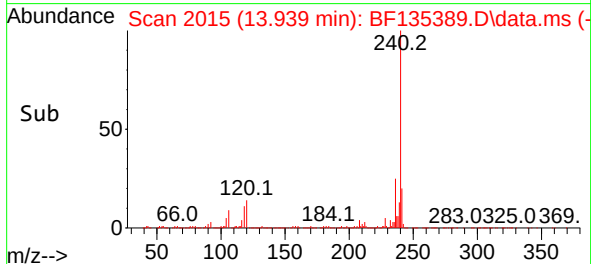
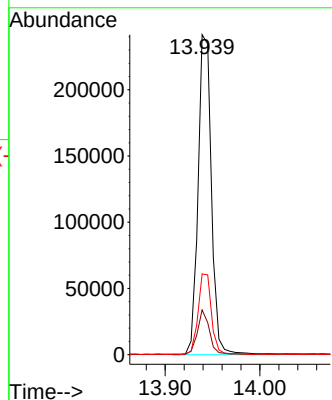
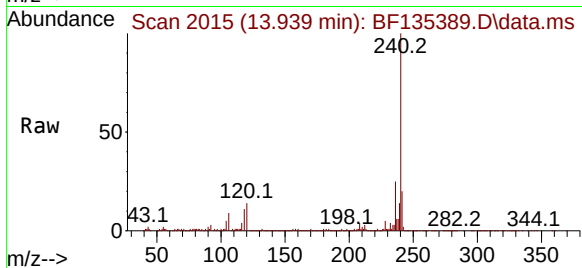
H-2313-SOIL

Tgt Ion:240 Resp: 237412
Ion Ratio Lower Upper
240 100
120 14.0 9.4 14.2
236 25.3 19.8 29.8

Manual Integrations

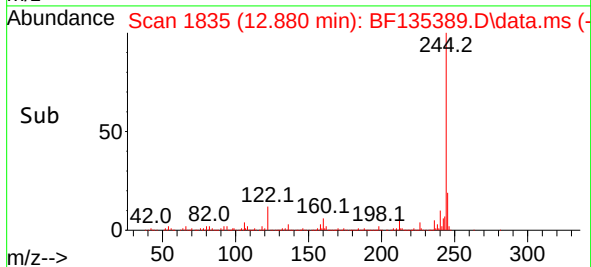
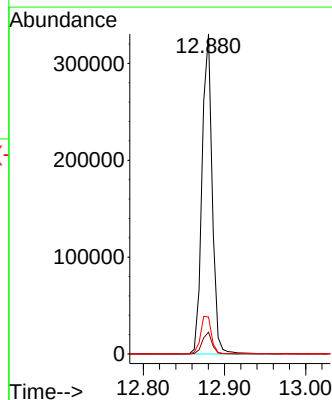
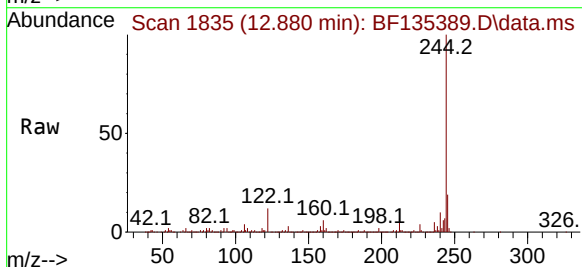
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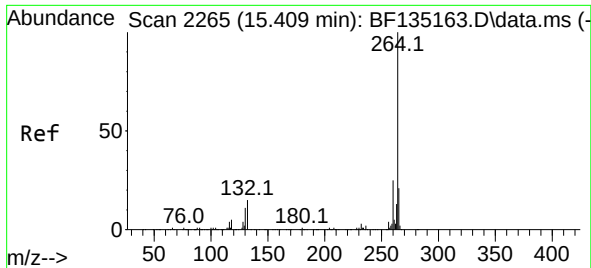
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#79
Terphenyl-d14
Concen: 18.859 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

Tgt Ion:244 Resp: 288832
Ion Ratio Lower Upper
244 100
212 6.8 5.1 7.7
122 11.6 7.9 11.9





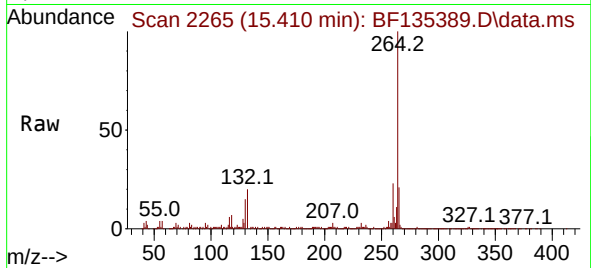
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48

Instrument :

BNA_F

ClientSampleId :

H-2313-SOIL

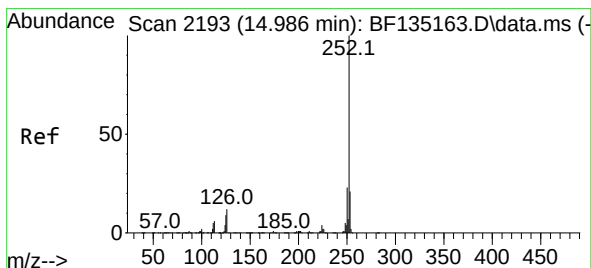
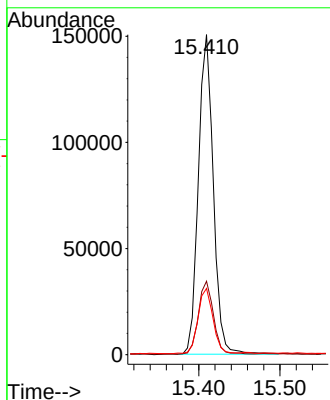
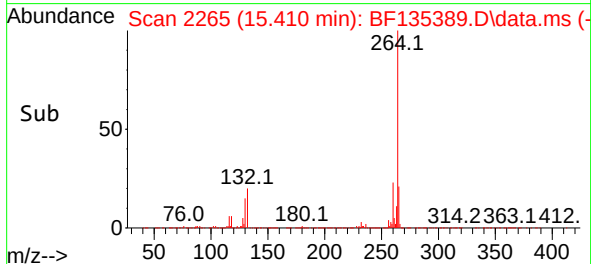


Tgt Ion:264 Resp: 19285
Ion Ratio Lower Upper
264 100
260 23.0 19.8 29.6
265 20.7 17.0 25.4

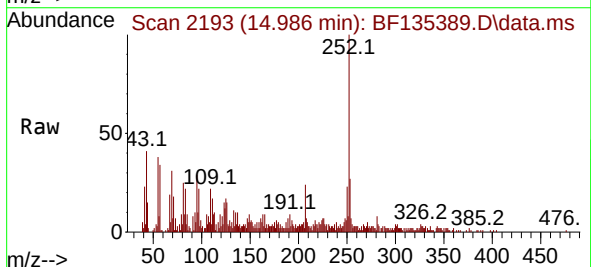
Manual Integrations

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Supervised By :mohammad ahmed 09/27/2023



#88
Benzo(b)fluoranthene
Concen: 2.154 ng m
RT: 14.986 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135389.D
Acq: 21 Sep 2023 19:48



Tgt Ion:252 Resp: 22483
Ion Ratio Lower Upper
252 100
253 27.2 17.2 25.8#
125 17.2 7.1 10.7#

