

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102723\
 Data File : BF135980.D
 Acq On : 27 Oct 2023 12:52
 Operator : CG\JU
 Sample : 04887-01RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-622-COMP-04RE

Quant Time: Oct 27 22:29:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2023
 Supervised By :mohammad ahmed 10/28/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	158294	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	631092	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	320263	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	536495	20.000	ng	# 0.00
76) Chrysene-d12	14.010	240	284799	20.000	ng	0.00
86) Perylene-d12	15.498	264	354612	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	984513	96.040	ng	0.00
7) Phenol-d6	6.457	99	1204921	94.413	ng	0.00
23) Nitrobenzene-d5	7.387	82	698033	72.990	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	316930	113.058	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1269246	63.460	ng	0.00
79) Terphenyl-d14	12.957	244	1060701	62.226	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.128	128	204717	6.709	ng	98
71) Phenanthrene	11.375	178	369049	13.597	ng	99
72) Anthracene	11.427	178	109589	3.943	ng	98
75) Fluoranthene	12.574	202	482956	16.913	ng	99
78) Pyrene	12.804	202	379252	15.860	ng	98
81) Benzo(a)anthracene	13.998	228	162430	8.388	ng	99
83) Chrysene	14.033	228	125527	6.656	ng	97
87) Indeno(1,2,3-cd)pyrene	16.992	276	67387	3.351	ng	95
88) Benzo(b)fluoranthene	15.057	252	183736m	8.706	ng	
89) Benzo(k)fluoranthene	15.086	252	65764m	3.173	ng	
90) Benzo(a)pyrene	15.427	252	134037	6.891	ng	98
92) Benzo(g,h,i)perylene	17.451	276	56027	6.399	ng	97

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

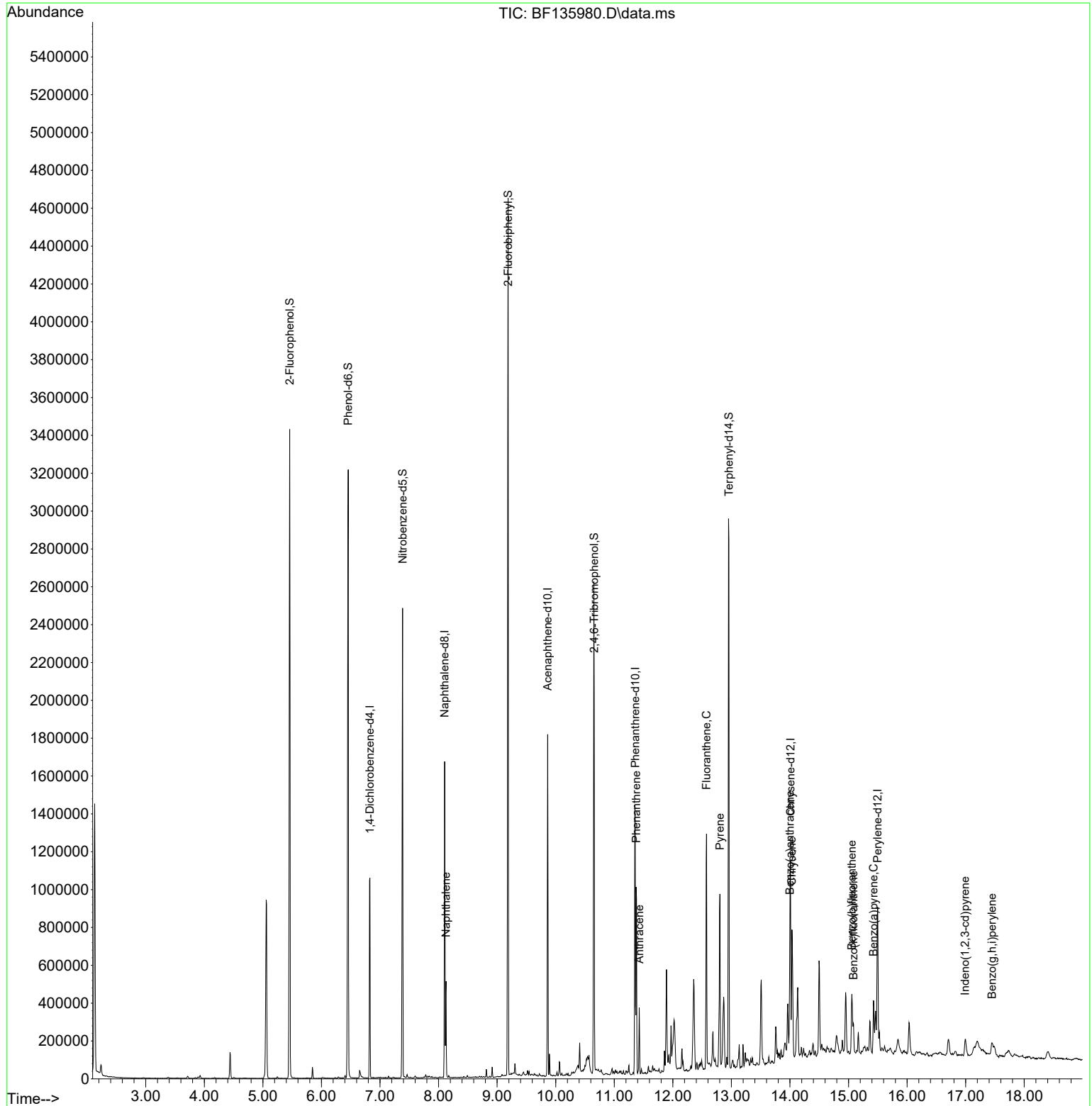
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102723\
Data File : BF135980.D
Acq On : 27 Oct 2023 12:52
Operator : CG\JU
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ALS Vial : 5 Sample Multiplier: 1

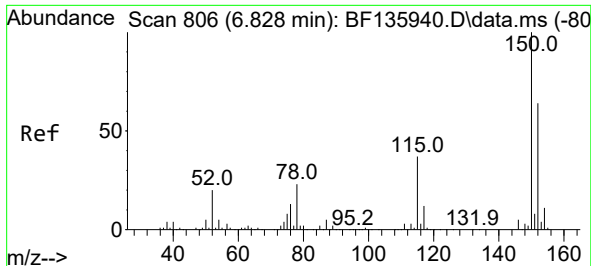
Instrument :
BNA_F
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Quant Time: Oct 27 22:29:36 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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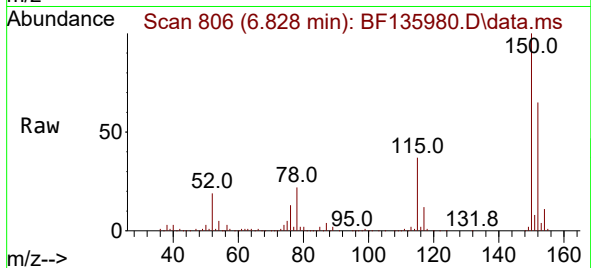
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF135980.D
Acq: 27 Oct 2023 12:52

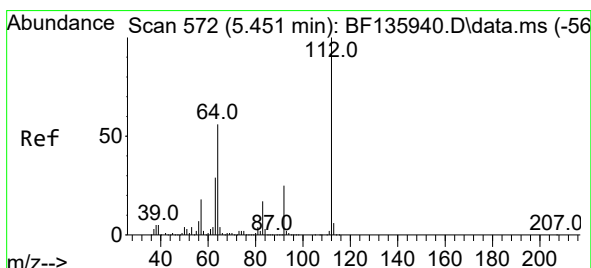
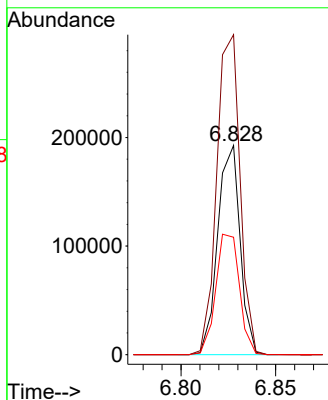
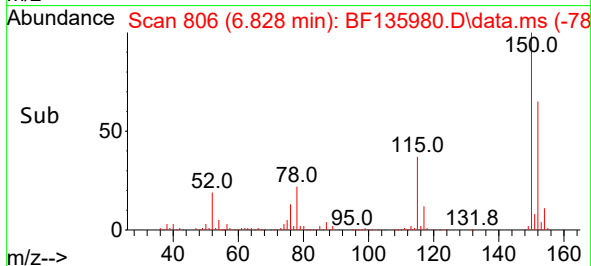
Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04RE



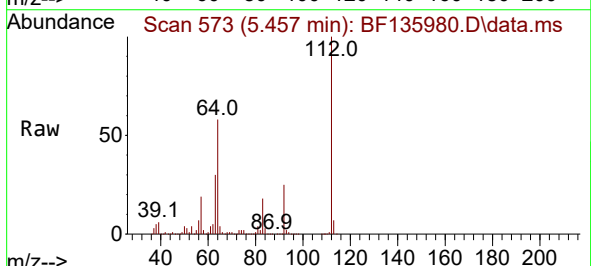
Tgt Ion:152 Resp: 158294
Ion Ratio Lower Upper
152 100
150 153.0 124.6 186.8
115 56.1 46.6 69.8

Manual Integrations
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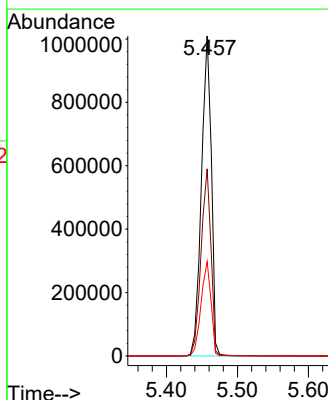
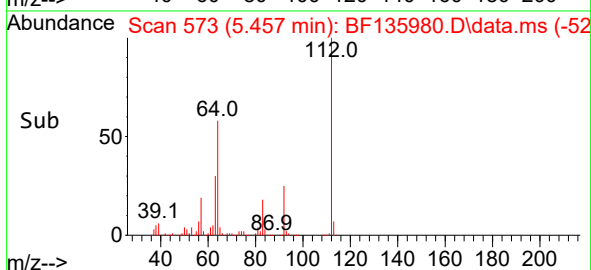
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

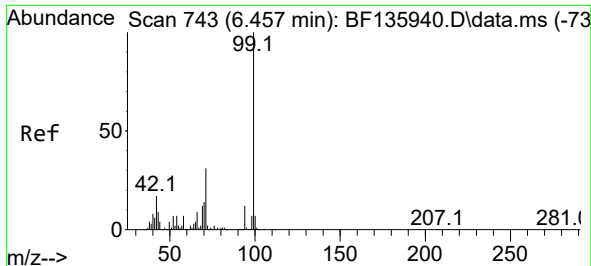


#5
2-Fluorophenol
Concen: 96.040 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF135980.D
Acq: 27 Oct 2023 12:52



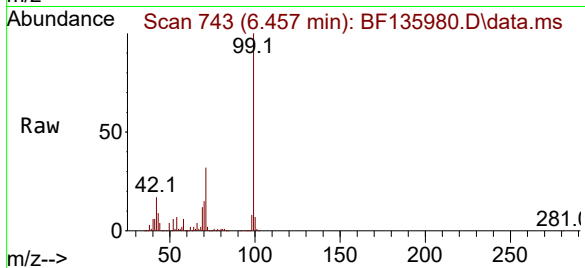
Tgt Ion:112 Resp: 984513
Ion Ratio Lower Upper
112 100
64 58.5 45.1 67.7
63 29.5 23.0 34.4





#7
Phenol-d6
Concen: 94.413 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF135980.D
Acq: 27 Oct 2023 12:52

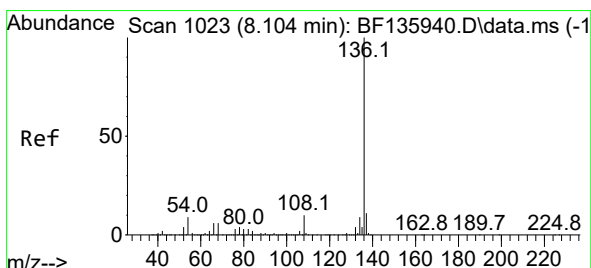
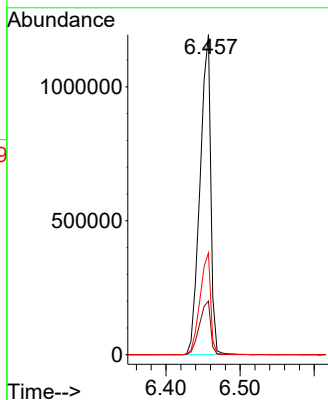
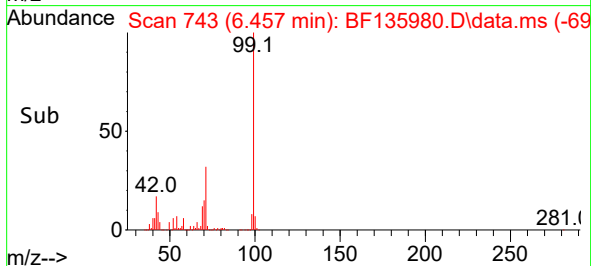
Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04RE



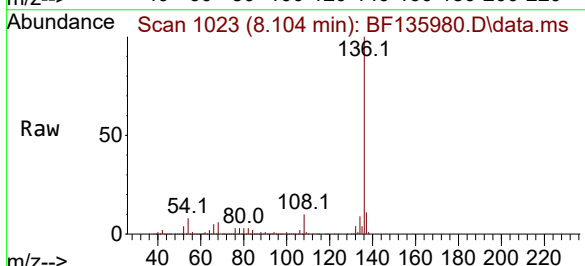
Tgt Ion: 99 Resp: 120492
Ion Ratio Lower Upper
99 100
42 16.7 13.8 20.8
71 31.8 25.1 37.7

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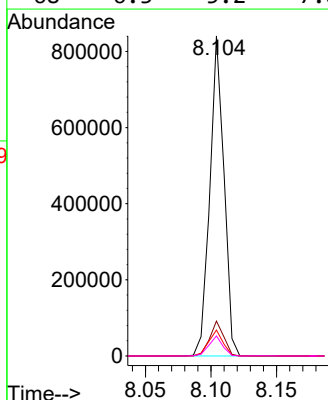
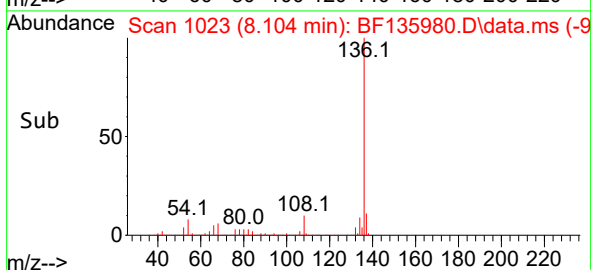
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

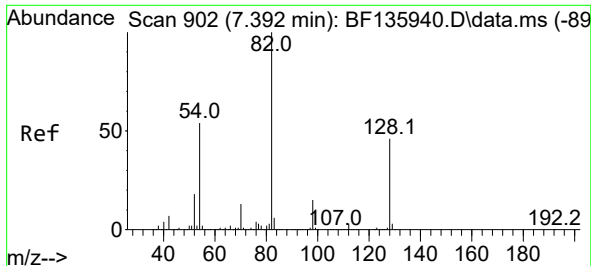


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135980.D
Acq: 27 Oct 2023 12:52



Tgt Ion:136 Resp: 631092
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 8.1 7.1 10.7
68 6.3 5.2 7.8





#23

Nitrobenzene-d5

Concen: 72.990 ng

RT: 7.387 min Scan# 902

Delta R.T. -0.005 min

Lab File: BF135980.D

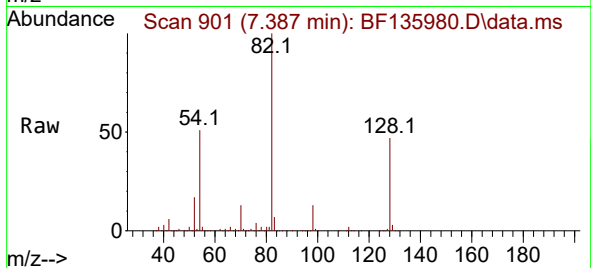
Acq: 27 Oct 2023 12:52

Instrument :

BNA_F

ClientSampleId :

SU-622-COMP-04RE



Tgt Ion: 82 Resp: 69803

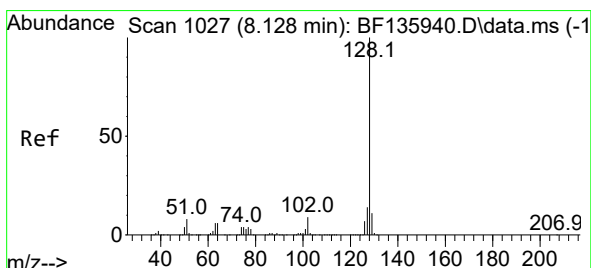
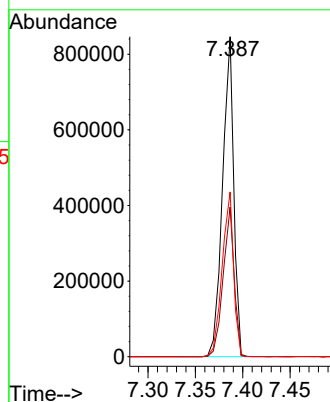
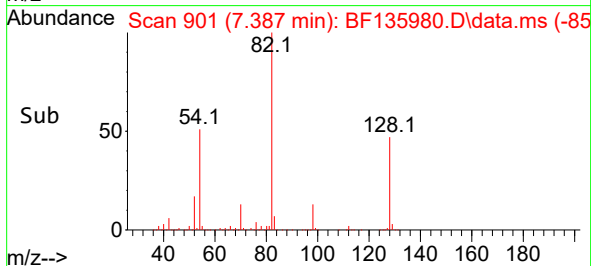
Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.8	55.2
54	51.5	43.4	65.0

Manual Integrations

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#31

Naphthalene

Concen: 6.709 ng

RT: 8.128 min Scan# 1027

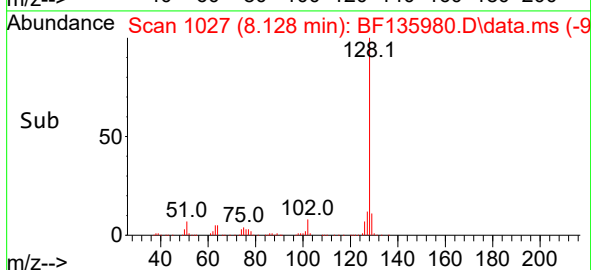
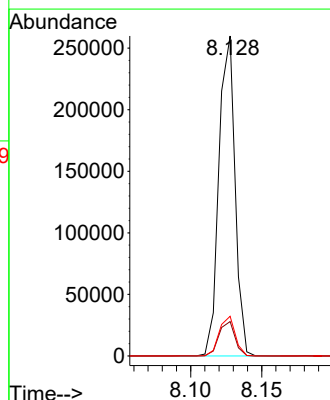
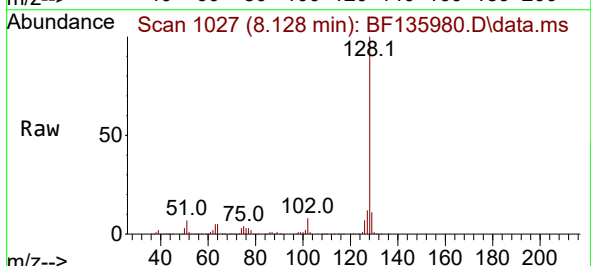
Delta R.T. 0.000 min

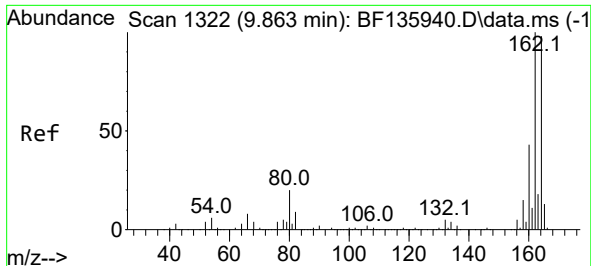
Lab File: BF135980.D

Acq: 27 Oct 2023 12:52

Tgt Ion:128 Resp: 204717

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	12.4	10.9	16.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF135980.D

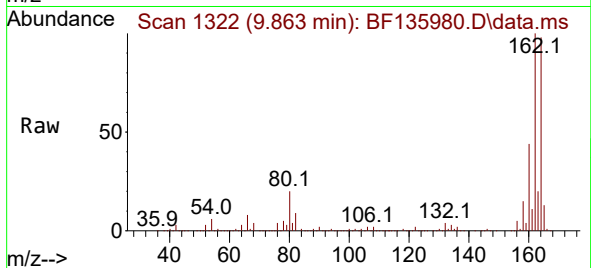
Acq: 27 Oct 2023 12:52

Instrument :

BNA_F

ClientSampleId :

SU-622-COMP-04RE



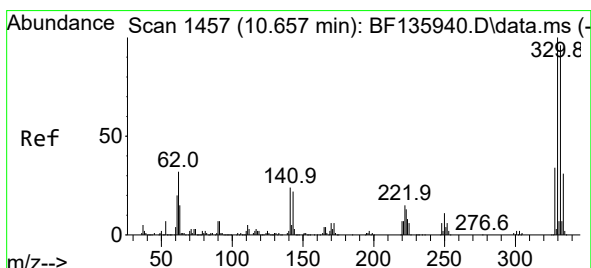
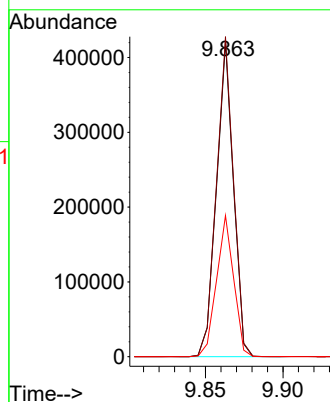
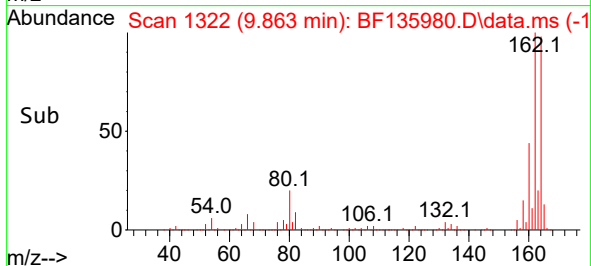
Tgt Ion:164	Resp:	32026
Ion Ratio	Lower	Upper
164	100	
162	101.7	82.0 123.0
160	44.9	35.6 53.4

Manual Integrations

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Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#42

2,4,6-Tribromophenol

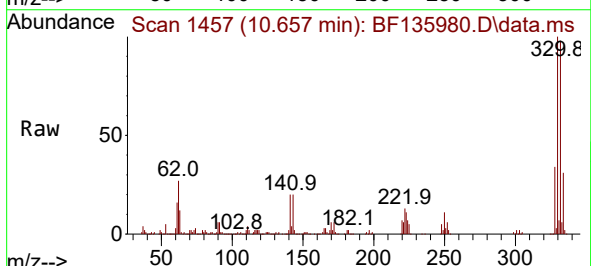
Concen: 113.058 ng

RT: 10.657 min Scan# 1457

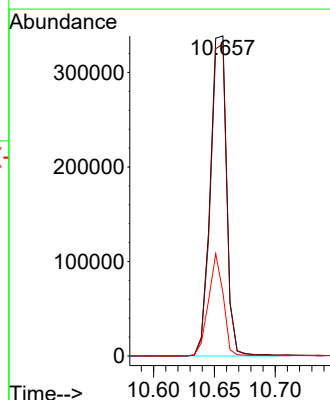
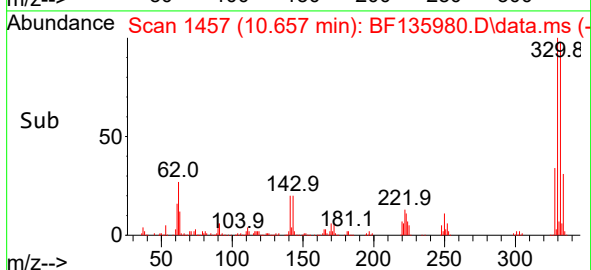
Delta R.T. 0.000 min

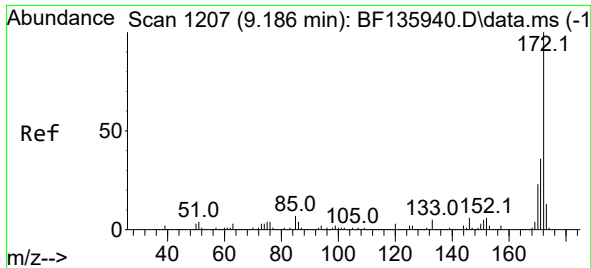
Lab File: BF135980.D

Acq: 27 Oct 2023 12:52



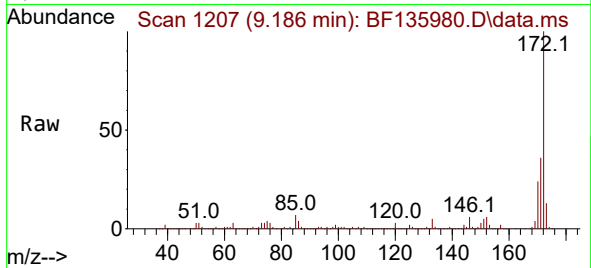
Tgt Ion:330	Resp:	316930
Ion Ratio	Lower	Upper
330	100	
332	97.2	77.4 116.2
141	28.8	24.9 37.3





#45
2-Fluorobiphenyl
Concen: 63.460 ng
RT: 9.186 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135980.D
Acq: 27 Oct 2023 12:52

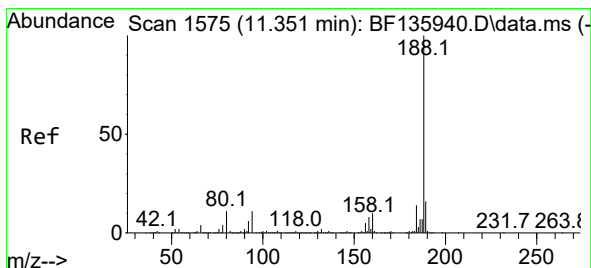
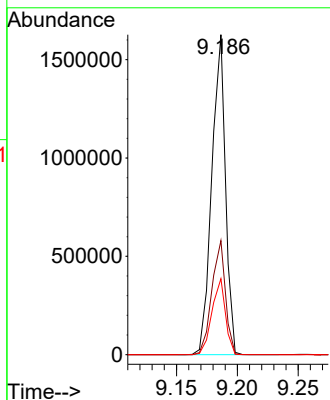
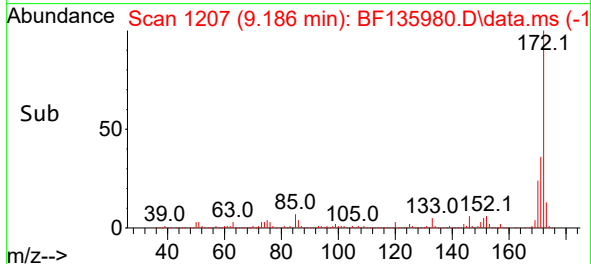
Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04RE



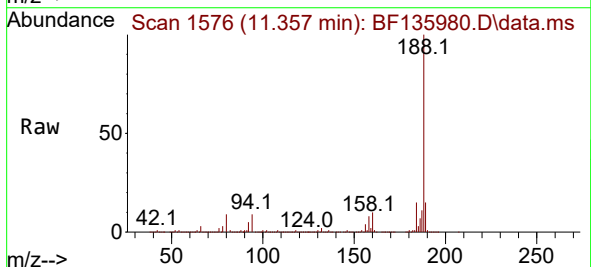
Tgt Ion:172 Resp: 1269240
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 23.8 18.6 28.0

Manual Integrations
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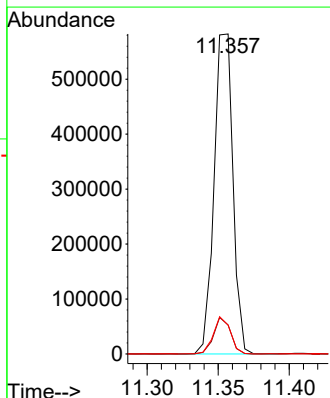
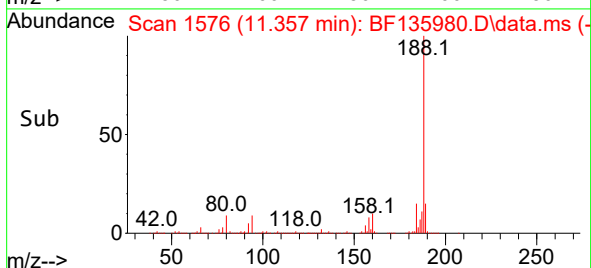
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

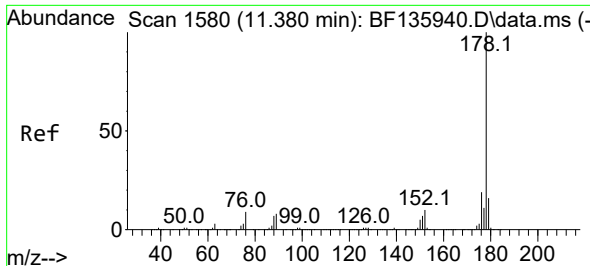


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. 0.006 min
Lab File: BF135980.D
Acq: 27 Oct 2023 12:52



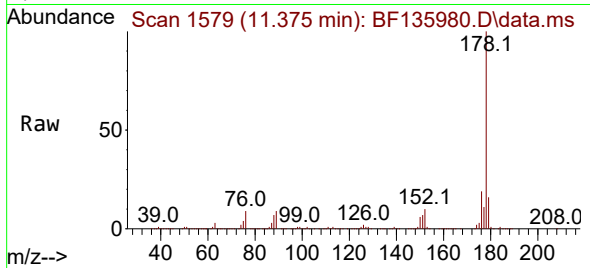
Tgt Ion:188 Resp: 536495
Ion Ratio Lower Upper
188 100
94 9.1 8.6 13.0
80 9.0 9.0 13.6#





#71
Phenanthrene
Concen: 13.597 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF135980.D
Acq: 27 Oct 2023 12:52

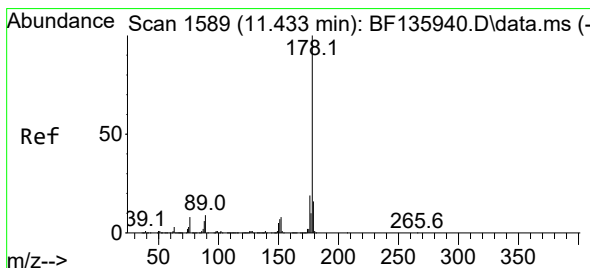
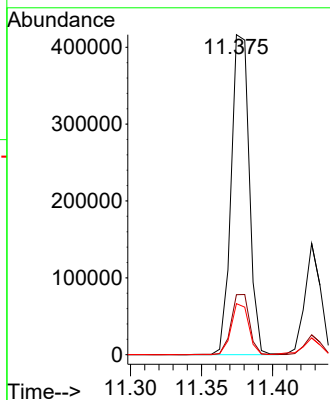
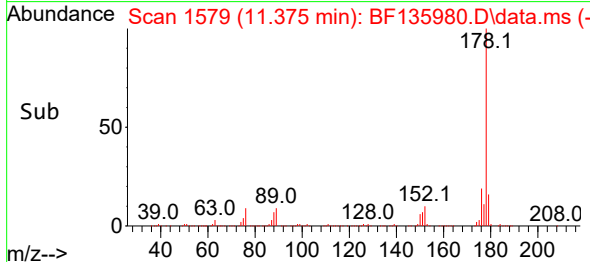
Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04RE



Tgt Ion:178 Resp: 369049
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.9 12.5 18.7

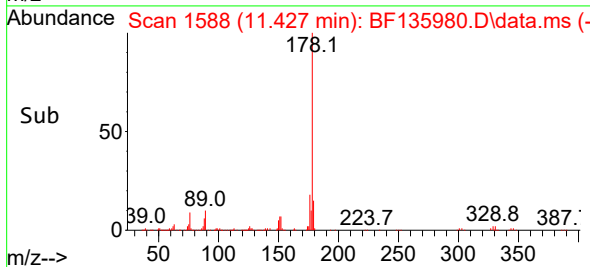
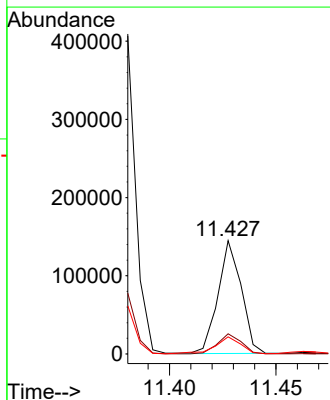
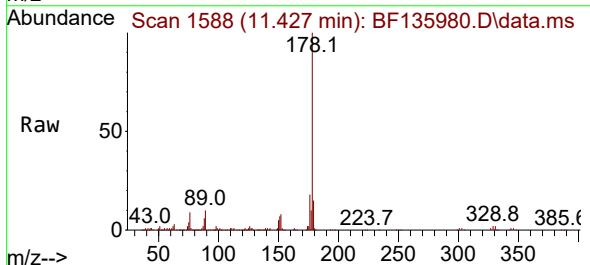
Manual Integrations
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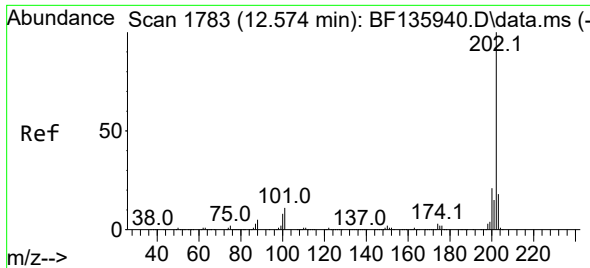
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#72
Anthracene
Concen: 3.943 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF135980.D
Acq: 27 Oct 2023 12:52

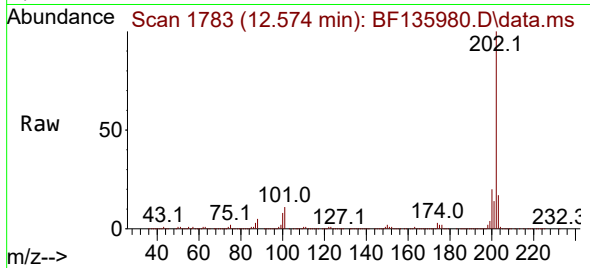
Tgt Ion:178 Resp: 109589
Ion Ratio Lower Upper
178 100
176 17.8 14.9 22.3
179 15.1 12.5 18.7





#75
Fluoranthene
Concen: 16.913 ng
RT: 12.574 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF135980.D
Acq: 27 Oct 2023 12:52

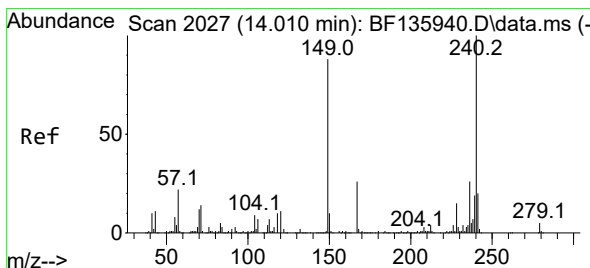
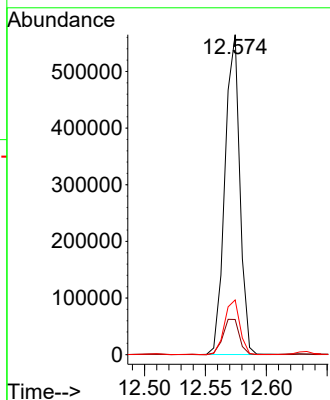
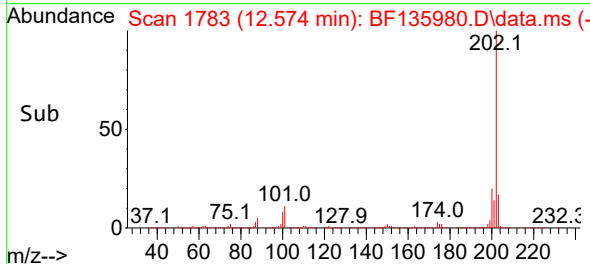
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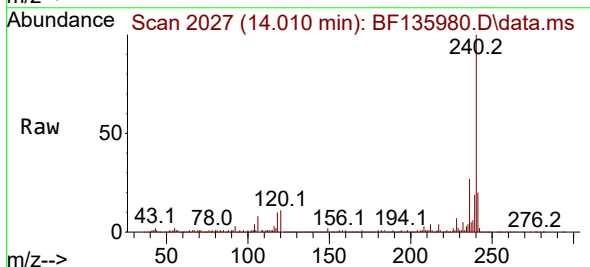
Tgt Ion:202 Resp: 482950
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.6
203 17.1 0.0 37.5

Manual Integrations
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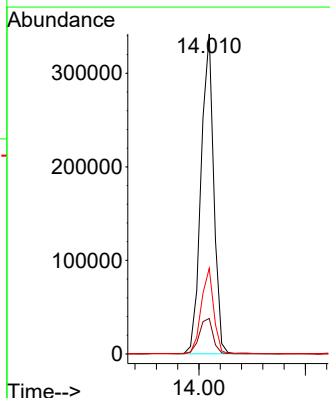
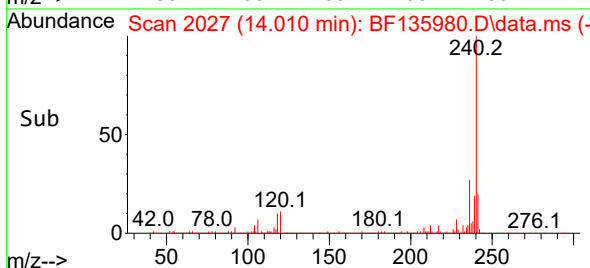
Reviewed By :Yogesh Patel 10/28/2023
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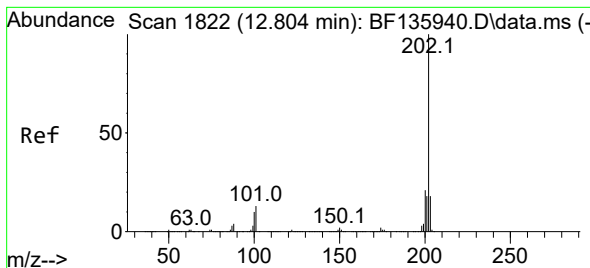


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF135980.D
Acq: 27 Oct 2023 12:52



Tgt Ion:240 Resp: 284799
Ion Ratio Lower Upper
240 100
120 11.1 8.6 13.0
236 26.8 20.6 30.8





#78

Pyrene

Concen: 15.860 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF135980.D

Acq: 27 Oct 2023 12:52

Instrument :

BNA_F

ClientSampleId :

SU-622-COMP-04RE

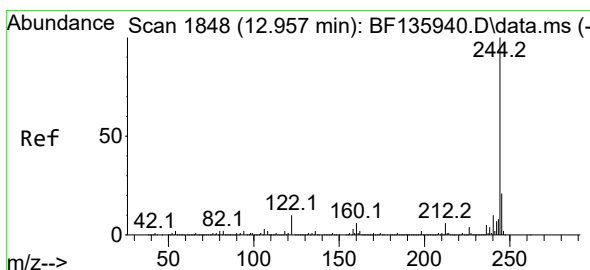
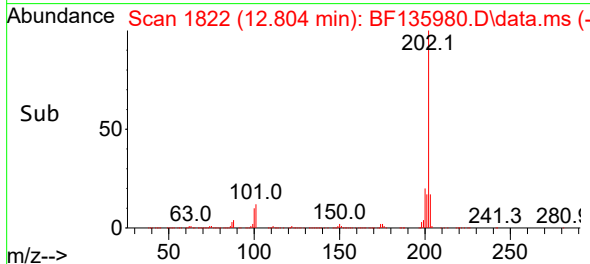
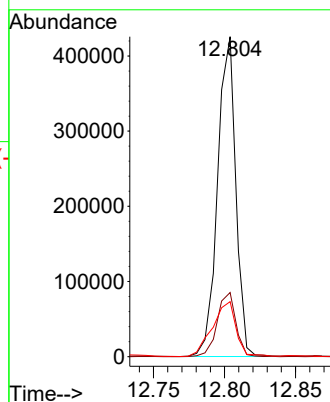
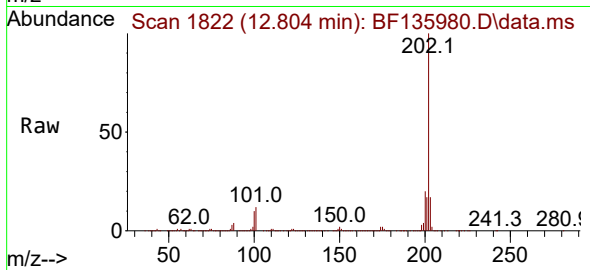
Tgt Ion:202 Resp: 379252
 Ion Ratio Lower Upper
 202 100
 200 20.0 17.0 25.6
 203 17.2 14.5 21.7

Manual Integrations

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Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#79

Terphenyl-d14

Concen: 62.226 ng

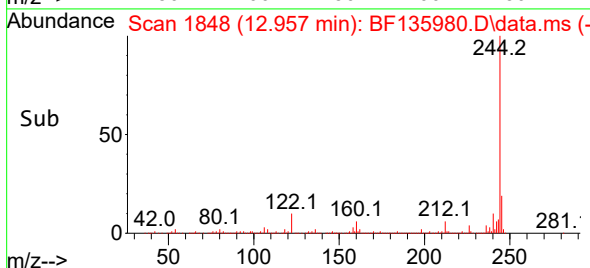
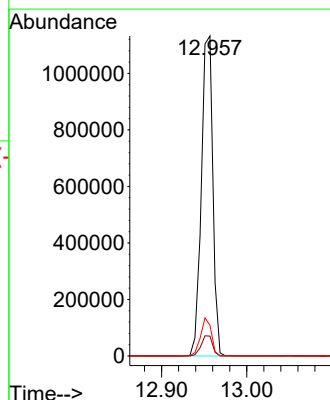
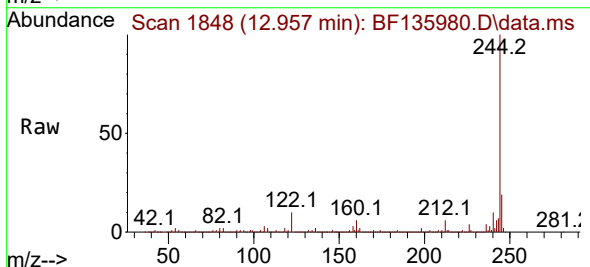
RT: 12.957 min Scan# 1848

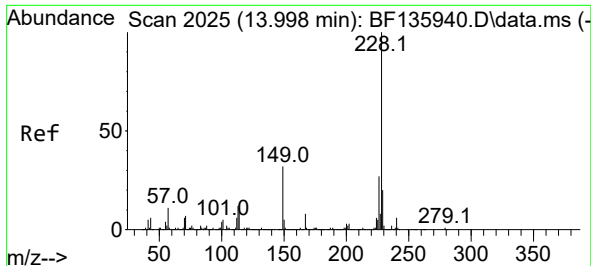
Delta R.T. 0.000 min

Lab File: BF135980.D

Acq: 27 Oct 2023 12:52

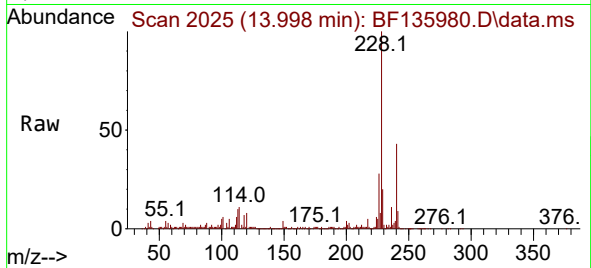
Tgt Ion:244 Resp: 1060701
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.6
 122 9.6 8.0 12.0





#81
Benzo(a)anthracene
Concen: 8.388 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF135980.D
Acq: 27 Oct 2023 12:52

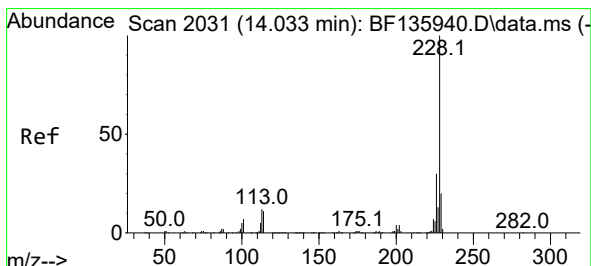
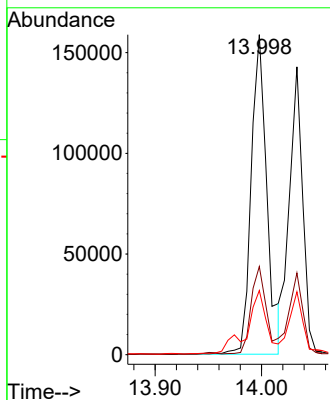
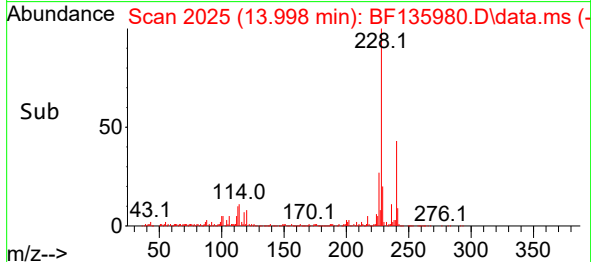
Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04RE



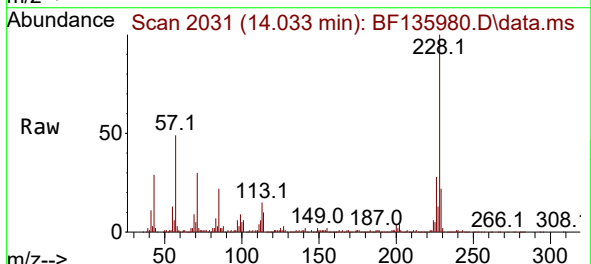
Tgt Ion:228 Resp: 162430
Ion Ratio Lower Upper
228 100
226 27.6 21.8 32.6
229 20.0 16.2 24.4

Manual Integrations
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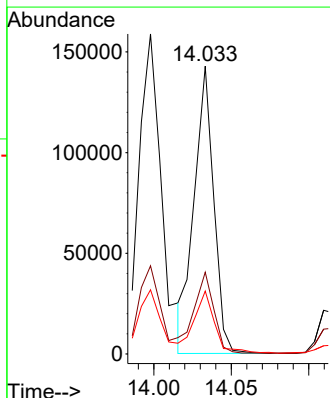
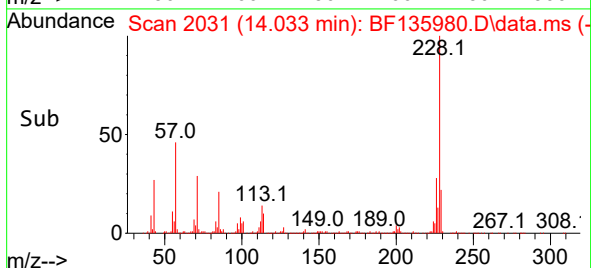
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

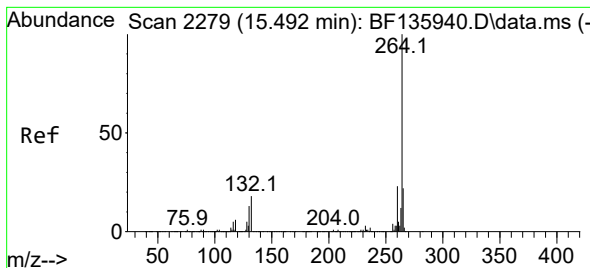


#83
Chrysene
Concen: 6.656 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF135980.D
Acq: 27 Oct 2023 12:52



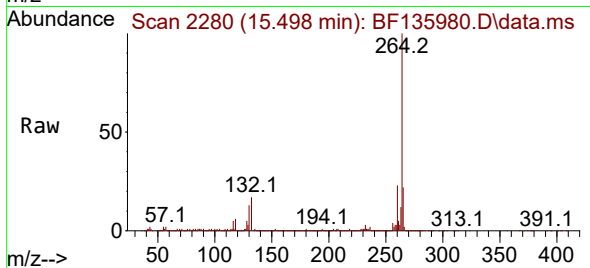
Tgt Ion:228 Resp: 125527
Ion Ratio Lower Upper
228 100
226 28.4 23.9 35.9
229 21.9 16.2 24.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135980.D
Acq: 27 Oct 2023 12:52

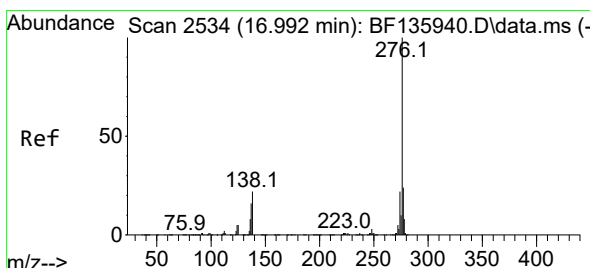
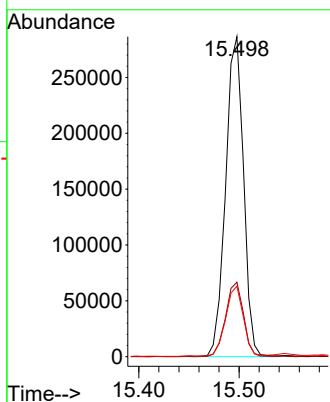
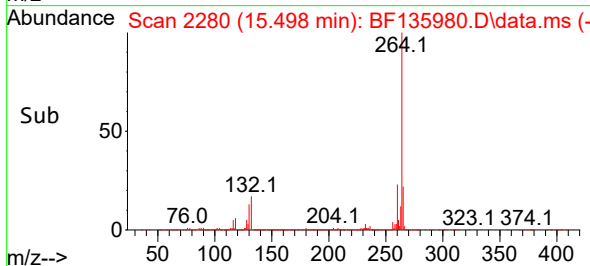
Instrument :
BNA_F
ClientSampleId :
SU-622-COMP-04RE



Tgt Ion:264 Resp: 35461
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 22.1 17.3 25.9

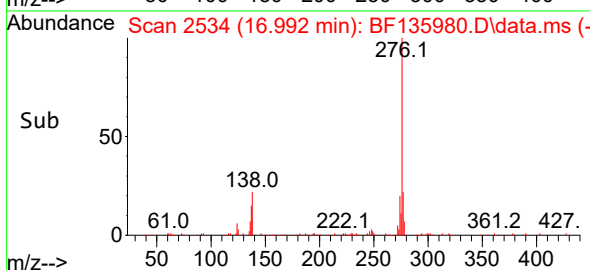
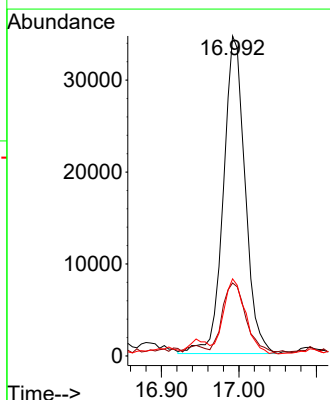
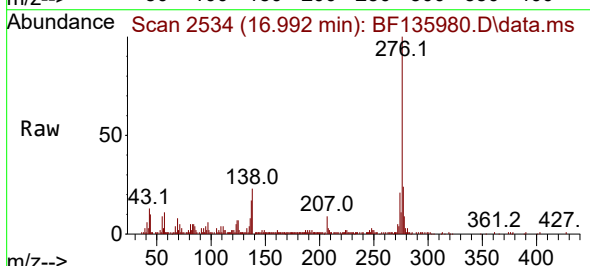
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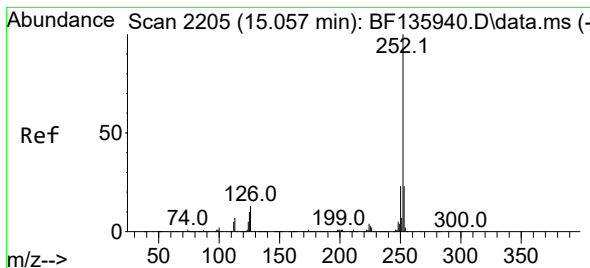
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.351 ng
RT: 16.992 min Scan# 2534
Delta R.T. -0.000 min
Lab File: BF135980.D
Acq: 27 Oct 2023 12:52

Tgt Ion:276 Resp: 67387
Ion Ratio Lower Upper
276 100
138 23.1 21.8 32.6
277 23.7 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 8.706 ng m

RT: 15.057 min Scan# 2205

Delta R.T. 0.000 min

Lab File: BF135980.D

Acq: 27 Oct 2023 12:52

Instrument :

BNA_F

ClientSampleId :

SU-622-COMP-04RE

Tgt Ion:252 Resp: 183730

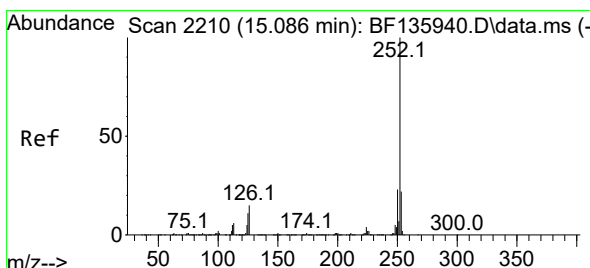
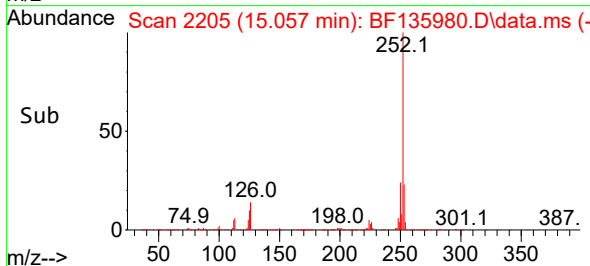
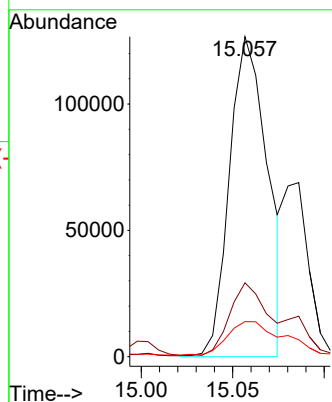
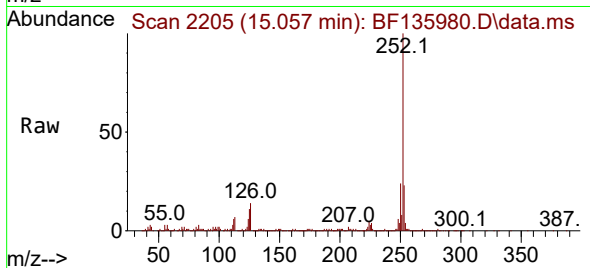
Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	10.9	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#89

Benzo(k)fluoranthene

Concen: 3.173 ng m

RT: 15.086 min Scan# 2210

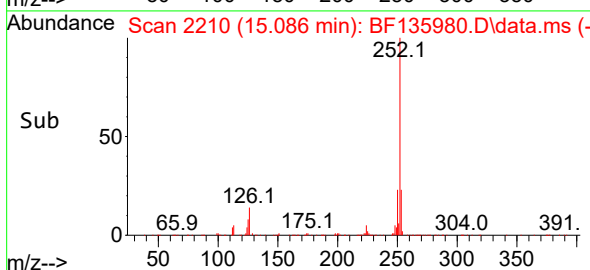
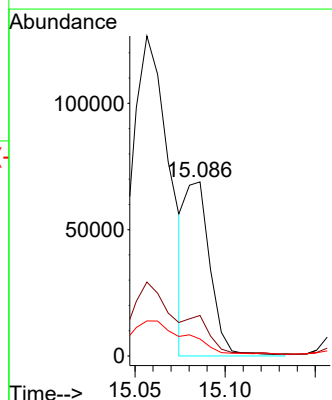
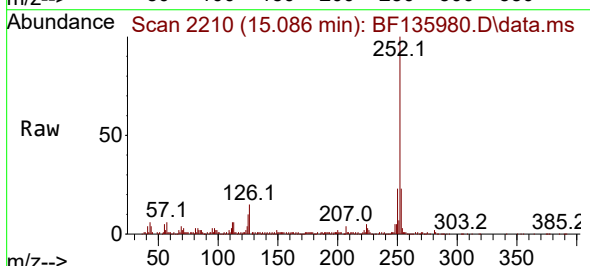
Delta R.T. 0.000 min

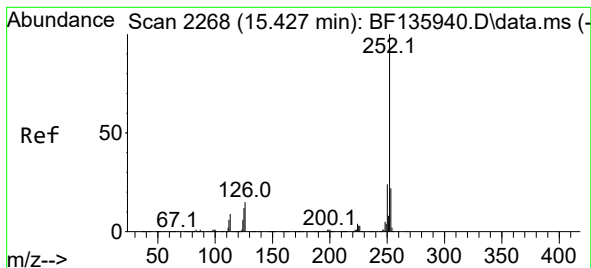
Lab File: BF135980.D

Acq: 27 Oct 2023 12:52

Tgt Ion:252 Resp: 65764

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	9.7	8.5	12.7





#90

Benzo(a)pyrene

Concen: 6.891 ng

RT: 15.427 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135980.D

Acq: 27 Oct 2023 12:52

Instrument :

BNA_F

ClientSampleId :

SU-622-COMP-04RE

Tgt Ion:252 Resp: 13403

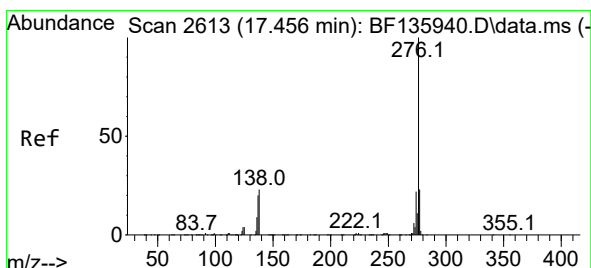
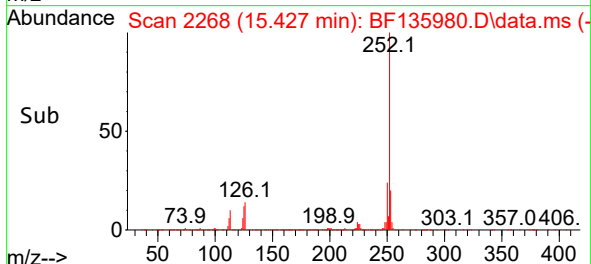
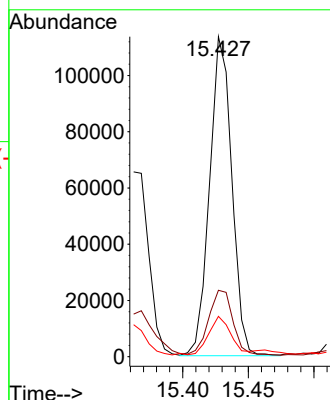
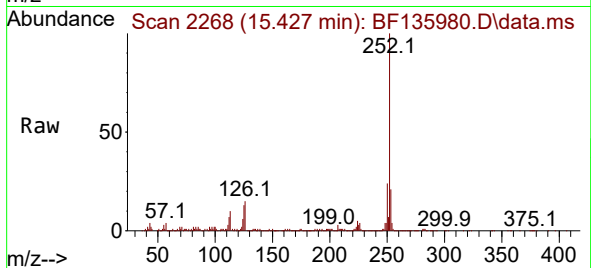
Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.4	26.2
125	12.6	9.6	14.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#92

Benzo(g,h,i)perylene

Concen: 6.399 ng

RT: 17.451 min Scan# 2612

Delta R.T. -0.005 min

Lab File: BF135980.D

Acq: 27 Oct 2023 12:52

Tgt Ion:276 Resp: 56027

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	26.0	18.4	27.6

