

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
 Data File : BF135213.D
 Acq On : 13 Sep 2023 08:41
 Operator : CG\JU
 Sample : 04312-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT4213

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023

Quant Time: Sep 13 12:09:18 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	6.763	152	117204	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	421460	20.000	ng	0.00
39) Acenaphthene-d10	9.804	164	161085	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	136021	20.000	ng	# 0.02
76) Chrysene-d12	13.957	240	204610	20.000	ng	0.01
86) Perylene-d12	15.415	264	222530	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	766949	106.430	ng	0.02
7) Phenol-d6	6.410	99	980027	106.955	ng	0.00
23) Nitrobenzene-d5	7.328	82	620967	80.047	ng	0.00
42) 2,4,6-Tribromophenol	10.604	330	149584	93.444	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	1002080	93.855	ng	0.00
79) Terphenyl-d14	12.910	244	614343	46.545	ng	0.02
Target Compounds						Qvalue
75) Fluoranthene	12.545	202	46032	6.867	ng	77
78) Pyrene	12.768	202	62432	3.205	ng	# 92
81) Benzo(a)anthracene	13.945	228	37617m	2.847	ng	
83) Chrysene	13.980	228	48741	3.710	ng	98
88) Benzo(b)fluoranthene	14.986	252	63853m	5.301	ng	
90) Benzo(a)pyrene	15.351	252	40203	3.500	ng	# 94

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

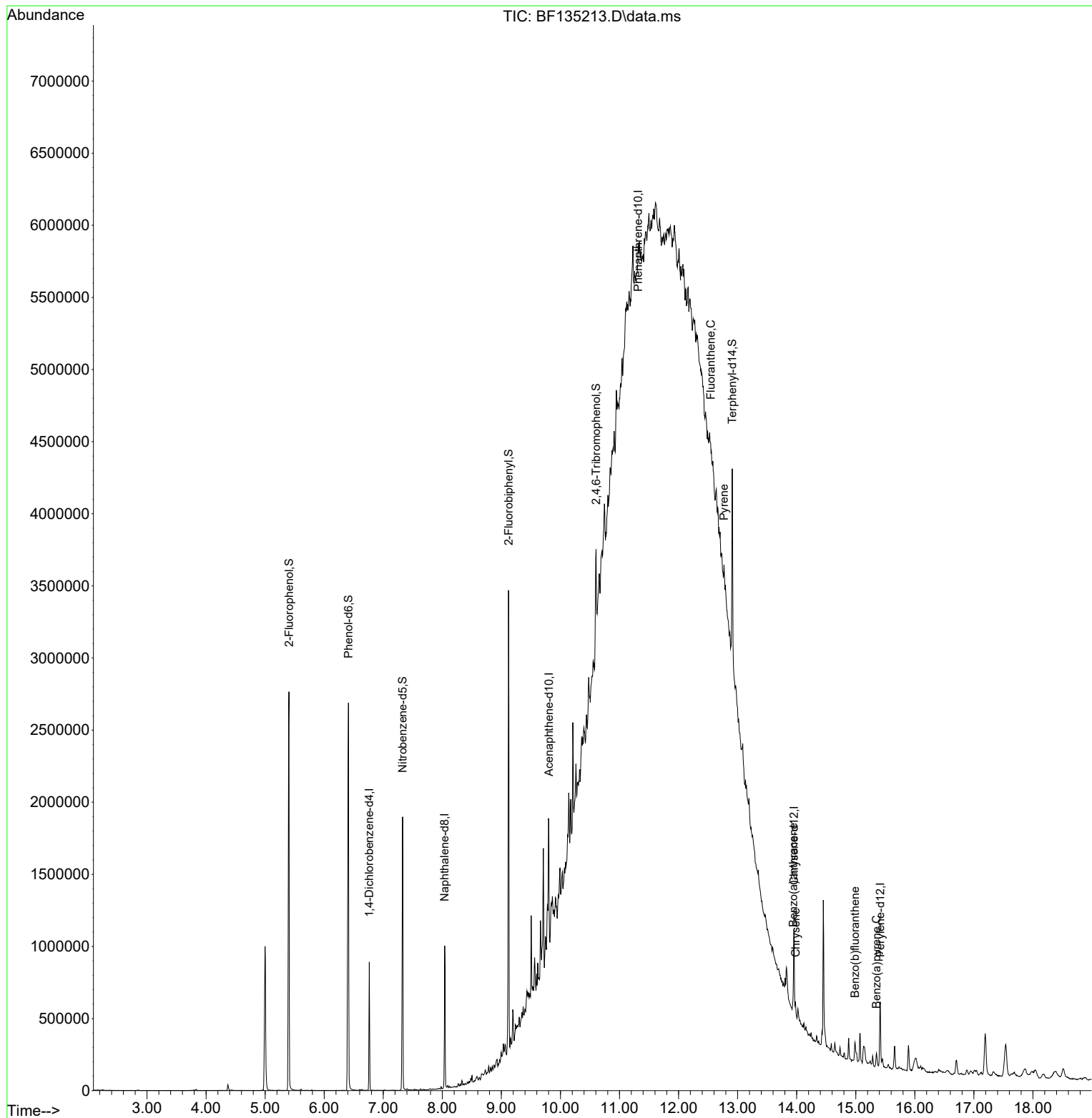
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
Data File : BF135213.D
Acq On : 13 Sep 2023 08:41
Operator : CG\JU
Sample : 04312-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT4213

Quant Time: Sep 13 12:09:18 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

Manual Integrations
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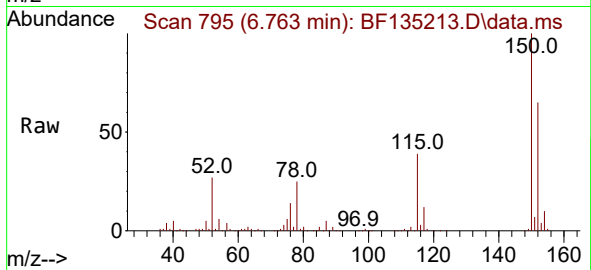
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF135213.D
Acq: 13 Sep 2023 08:41

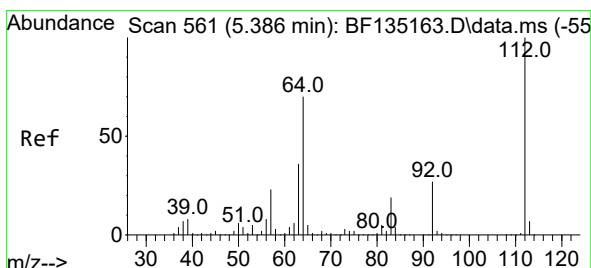
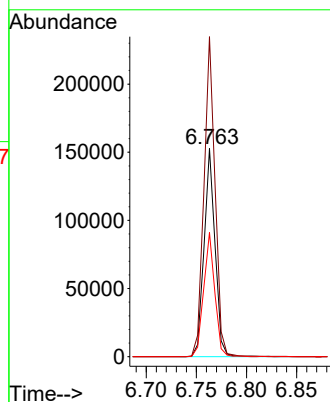
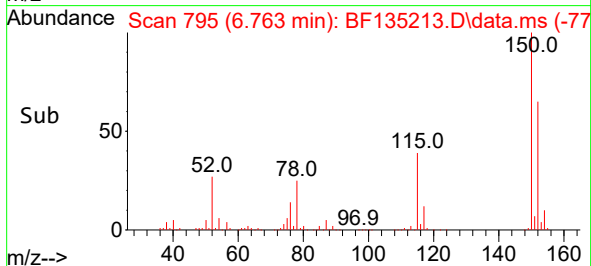
Instrument :
BNA_F
ClientSampleId :
RT4213



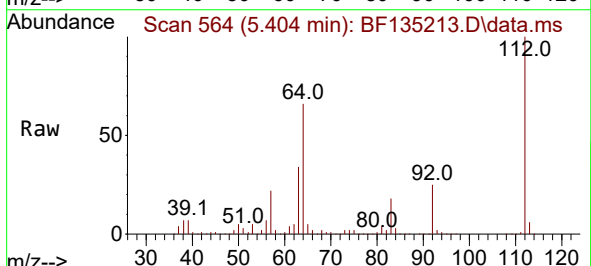
Tgt Ion:152 Resp: 117204
Ion Ratio Lower Upper
152 100
150 153.7 127.8 191.6
115 59.6 49.8 74.8

Manual Integrations
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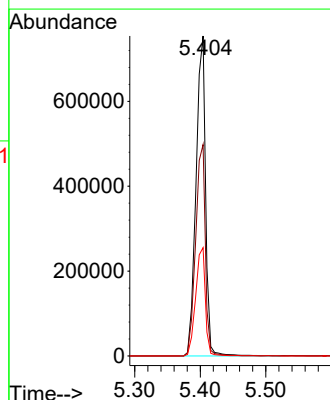
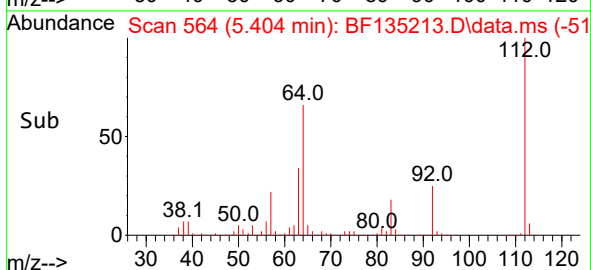
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

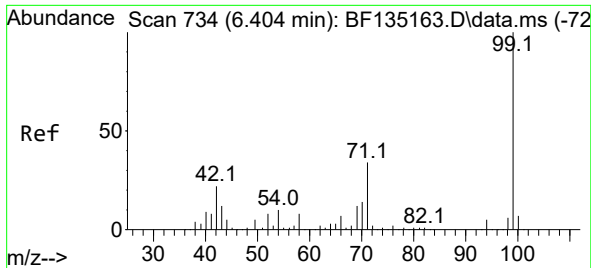


#5
2-Fluorophenol
Concen: 106.430 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.018 min
Lab File: BF135213.D
Acq: 13 Sep 2023 08:41



Tgt Ion:112 Resp: 766949
Ion Ratio Lower Upper
112 100
64 66.0 55.9 83.9
63 33.8 29.0 43.6





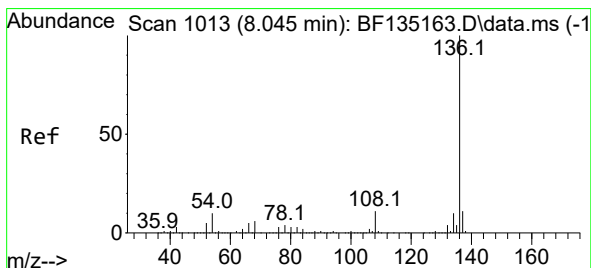
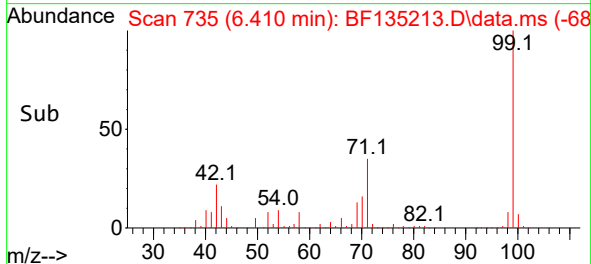
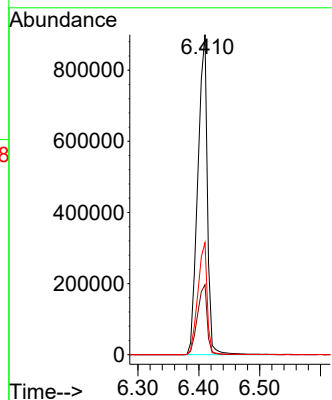
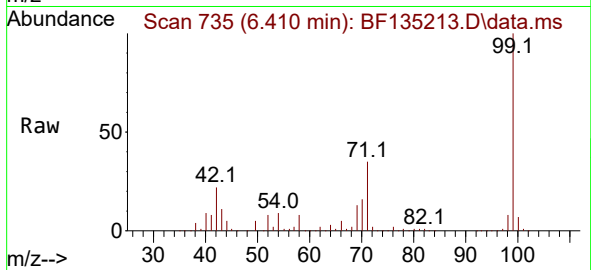
#7
Phenol-d6
Concen: 106.955 ng
RT: 6.410 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135213.D
Acq: 13 Sep 2023 08:41

Instrument :
BNA_F
ClientSampleId :
RT4213

Tgt Ion: 99 Resp: 98002
Ion Ratio Lower Upper
99 100
42 21.9 17.9 26.9
71 35.0 27.0 40.6

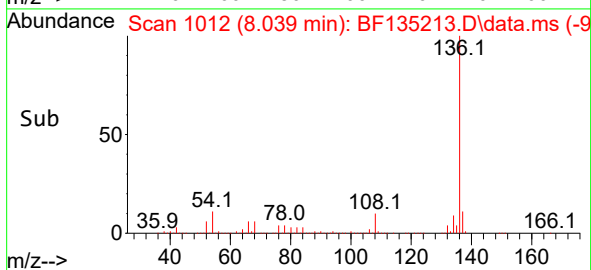
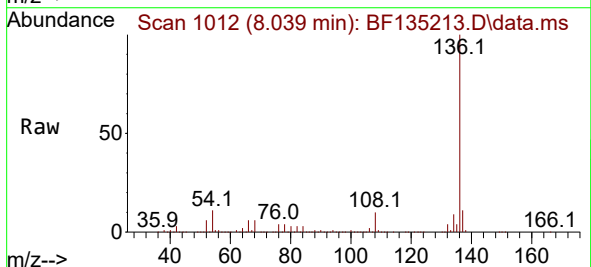
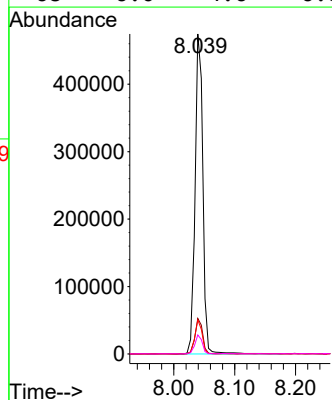
Manual Integrations
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Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135213.D
Acq: 13 Sep 2023 08:41

Tgt Ion:136 Resp: 421460
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.7 7.7 11.5
68 6.0 4.6 6.8





#23

Nitrobenzene-d5

Concen: 80.047 ng

RT: 7.328 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF135213.D

Acq: 13 Sep 2023 08:41

Instrument :

BNA_F

ClientSampleId :

RT4213

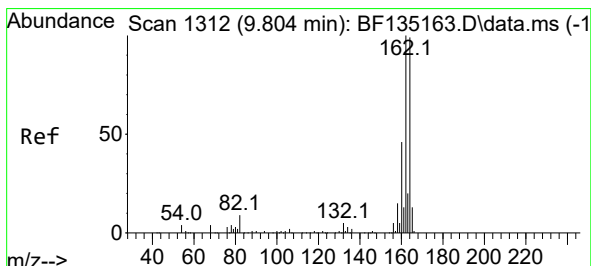
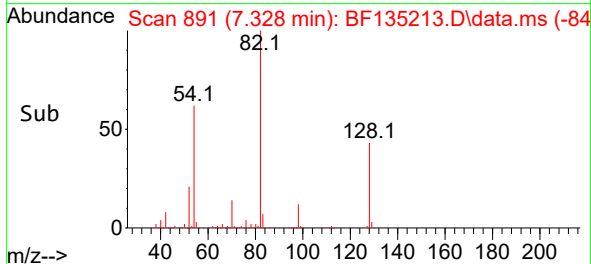
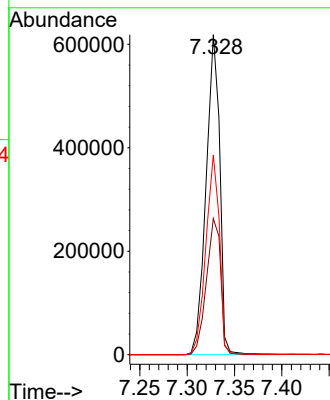
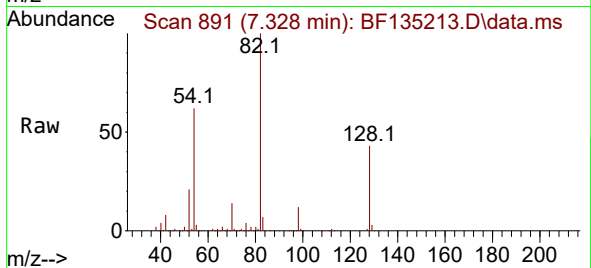
Tgt Ion:	82	Resp:	62096
Ion Ratio	Lower	Upper	
82	100		
128	42.6	35.8	53.6
54	62.4	50.6	76.0

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Supervised By :mohammad ahmed 09/14/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

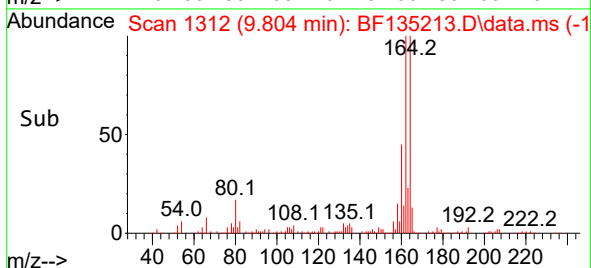
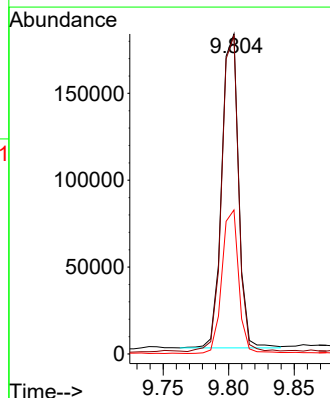
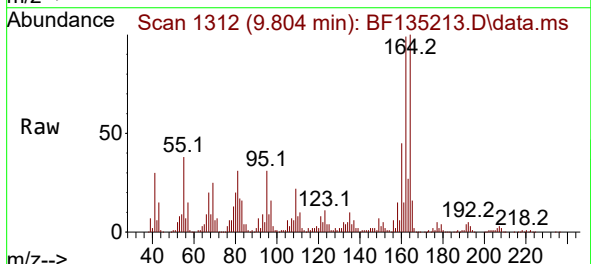
RT: 9.804 min Scan# 1312

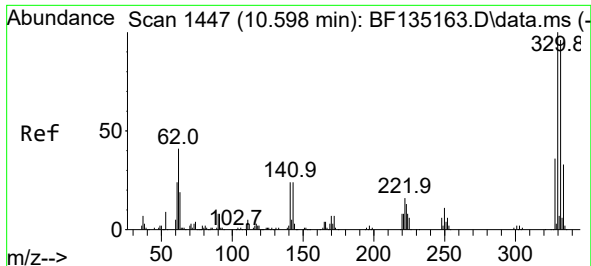
Delta R.T. 0.000 min

Lab File: BF135213.D

Acq: 13 Sep 2023 08:41

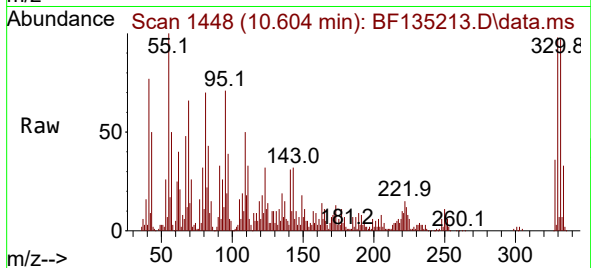
Tgt Ion:	164	Resp:	161085
Ion Ratio	Lower	Upper	
164	100		
162	99.4	81.0	121.4
160	45.0	37.0	55.4





#42
2,4,6-Tribromophenol
Concen: 93.444 ng
RT: 10.604 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF135213.D
Acq: 13 Sep 2023 08:41

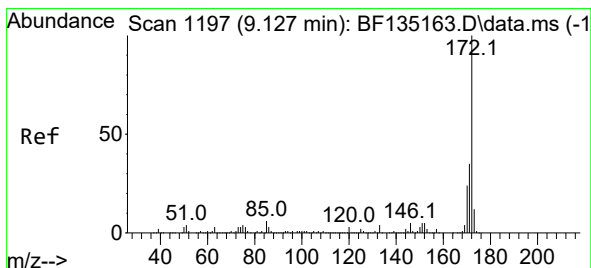
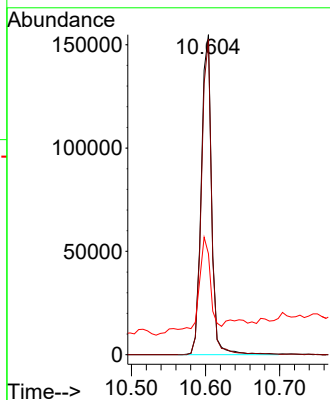
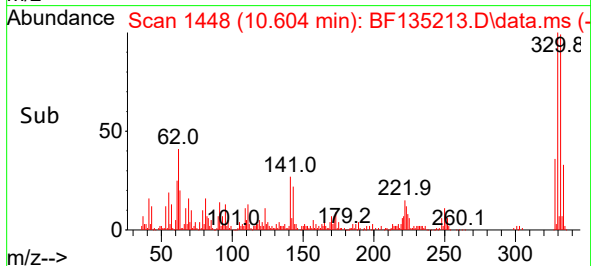
Instrument :
BNA_F
ClientSampleId :
RT4213



Tgt Ion: 330 Resp: 149584
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 29.1 25.8 38.8

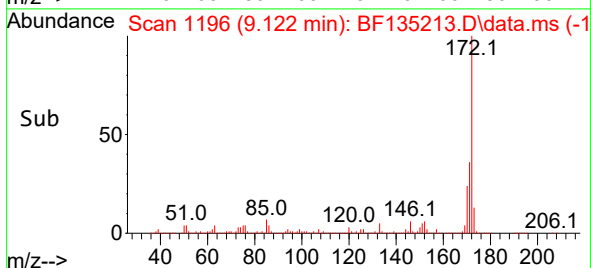
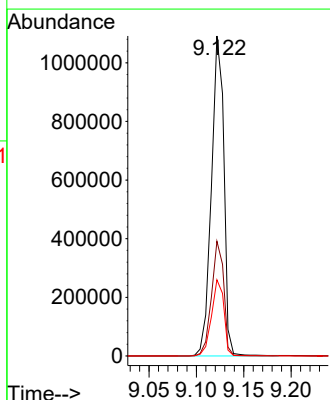
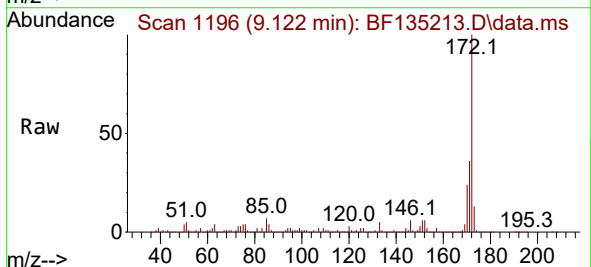
Manual Integrations
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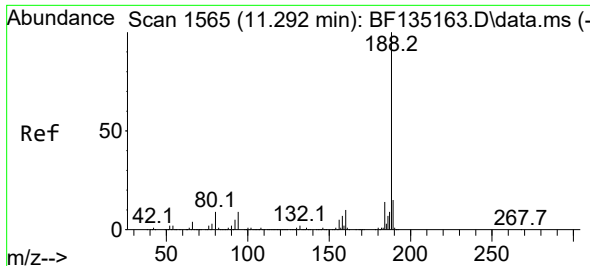
Reviewed By : Yogesh Patel 09/13/2023
Supervised By : mohammad ahmed 09/14/2023



#45
2-Fluorobiphenyl
Concen: 93.855 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF135213.D
Acq: 13 Sep 2023 08:41

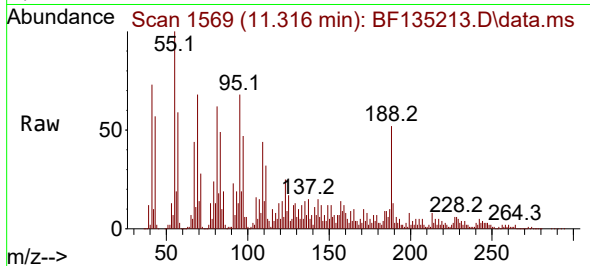
Tgt Ion: 172 Resp: 1002080
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 23.8 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. 0.024 min
Lab File: BF135213.D
Acq: 13 Sep 2023 08:41

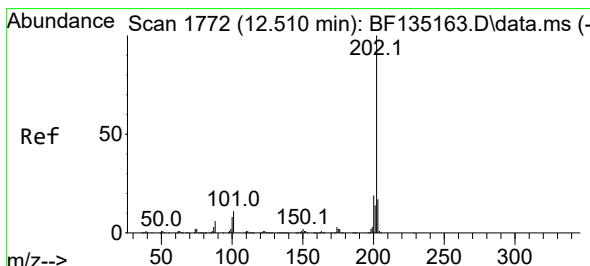
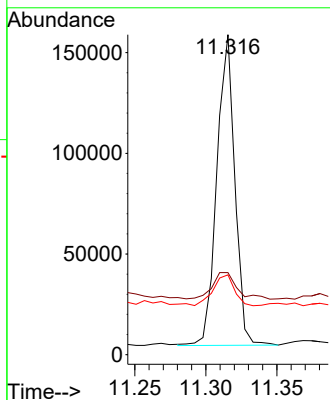
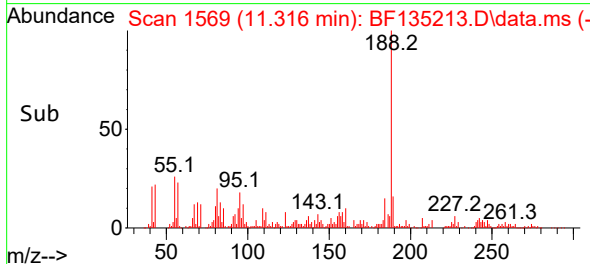
Instrument :
BNA_F
ClientSampleId :
RT4213



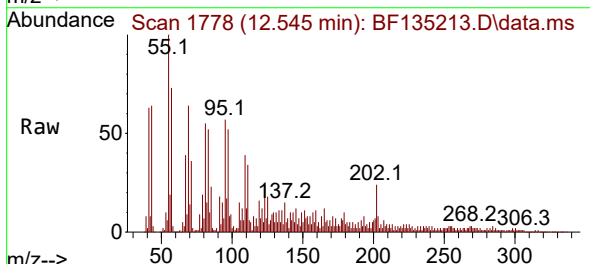
Tgt Ion:188 Resp: 13602
Ion Ratio Lower Upper
188 100
94 25.7 7.0 10.6
80 25.0 7.5 11.3

Manual Integrations
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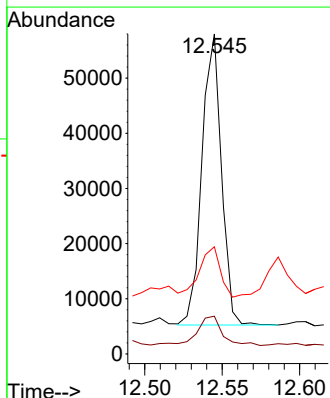
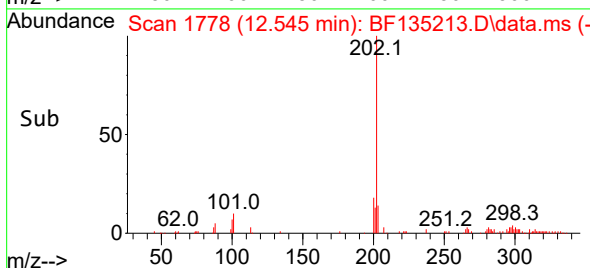
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

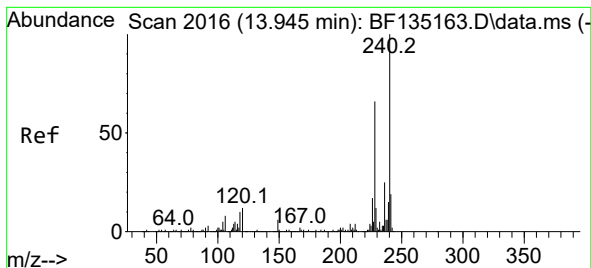


#75
Fluoranthene
Concen: 6.867 ng
RT: 12.545 min Scan# 1778
Delta R.T. 0.035 min
Lab File: BF135213.D
Acq: 13 Sep 2023 08:41



Tgt Ion:202 Resp: 46032
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.3
203 33.5 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2016

Delta R.T. 0.012 min

Lab File: BF135213.D

Acq: 13 Sep 2023 08:41

Instrument :

BNA_F

ClientSampleId :

RT4213

Tgt Ion:240 Resp: 204610

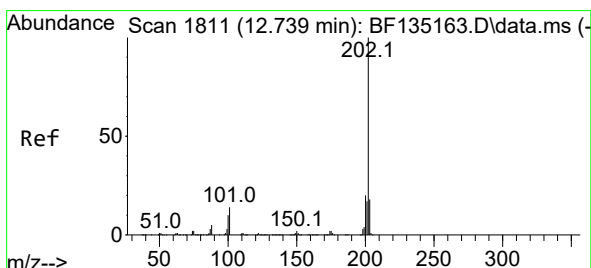
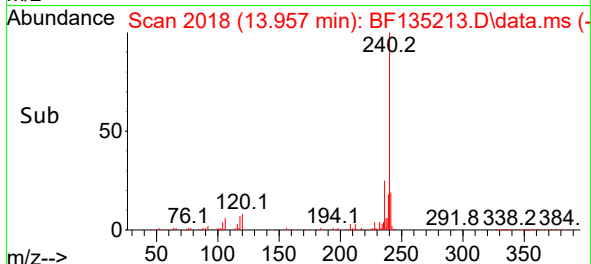
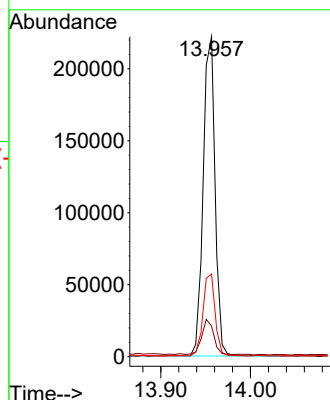
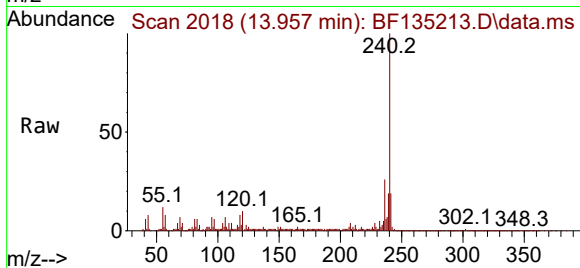
Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.4	14.2
236	25.8	19.8	29.8

Manual Integrations

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Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/14/2023



#78

Pyrene

Concen: 3.205 ng

RT: 12.768 min Scan# 1816

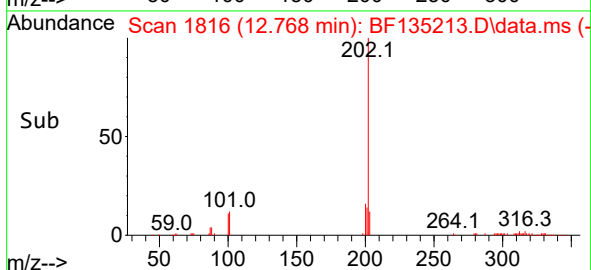
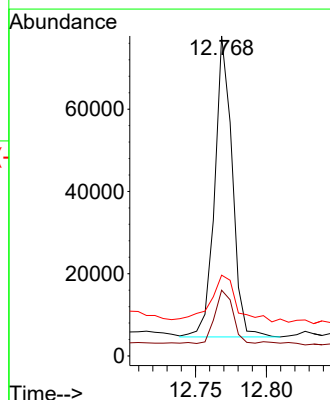
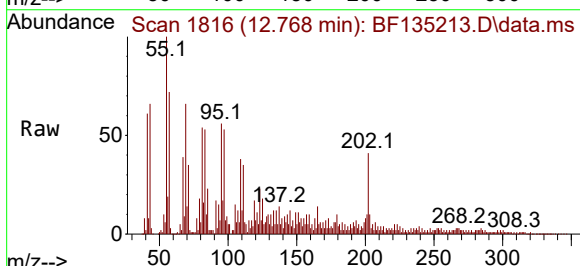
Delta R.T. 0.029 min

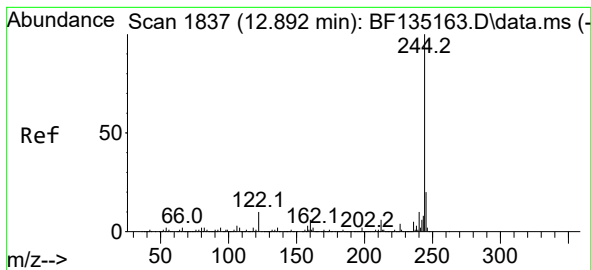
Lab File: BF135213.D

Acq: 13 Sep 2023 08:41

Tgt Ion:202 Resp: 62432

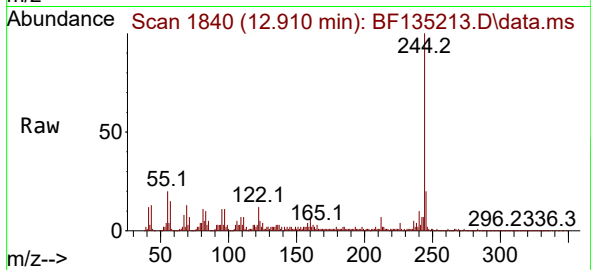
Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.2	24.2
203	25.2	14.2	21.4





#79
 Terphenyl-d14
 Concen: 46.545 ng
 RT: 12.910 min Scan# 11
 Delta R.T. 0.018 min
 Lab File: BF135213.D
 Acq: 13 Sep 2023 08:41

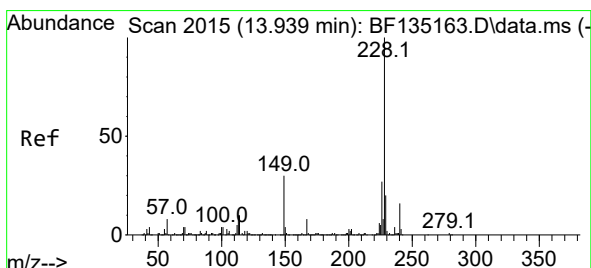
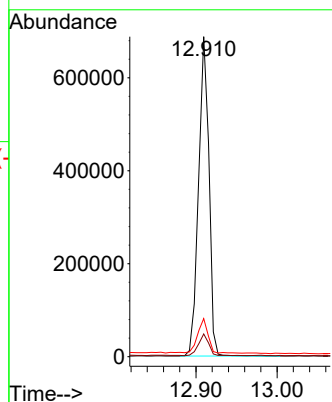
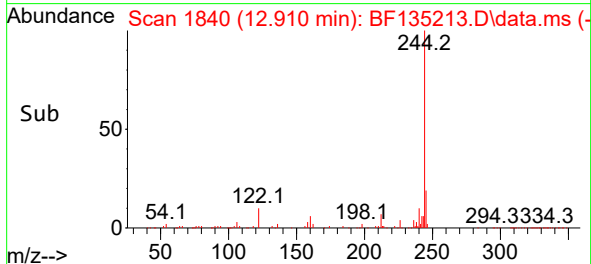
Instrument :
 BNA_F
 ClientSampleId :
 RT4213



Tgt Ion:244 Resp: 61434
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.1 7.7
 122 11.9 7.9 11.9

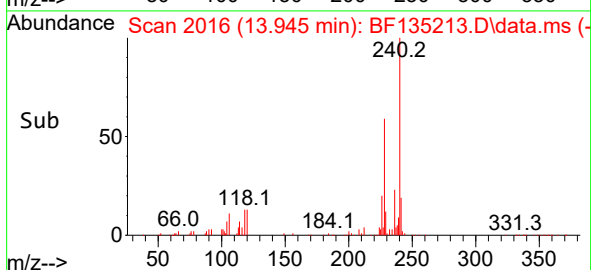
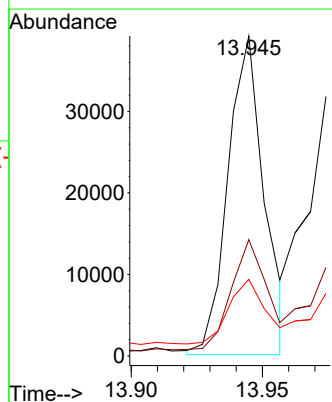
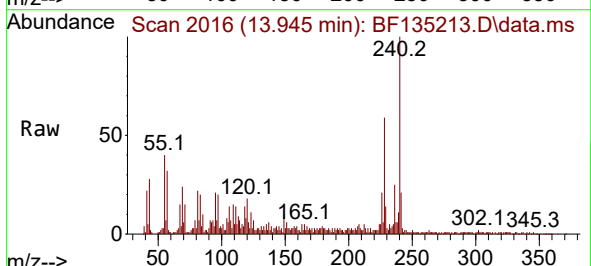
Manual Integrations
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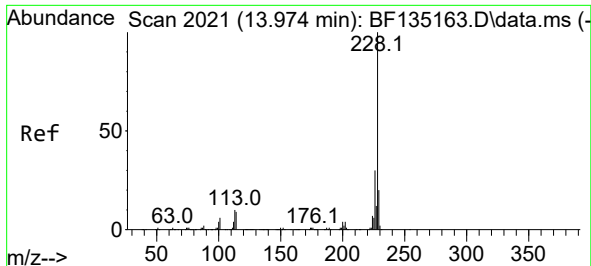
Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



#81
 Benzo(a)anthracene
 Concen: 2.847 ng m
 RT: 13.945 min Scan# 2016
 Delta R.T. 0.006 min
 Lab File: BF135213.D
 Acq: 13 Sep 2023 08:41

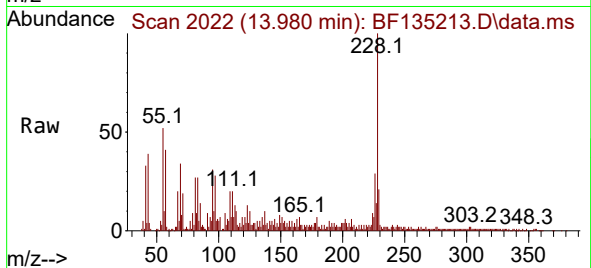
Tgt Ion:228 Resp: 37617
 Ion Ratio Lower Upper
 228 100
 226 36.4 21.7 32.5#
 229 23.9 15.8 23.8#





#83
Chrysene
Concen: 3.710 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF135213.D
Acq: 13 Sep 2023 08:41

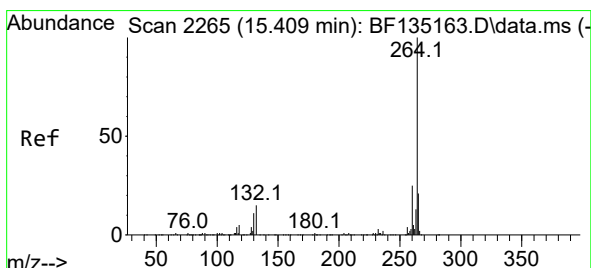
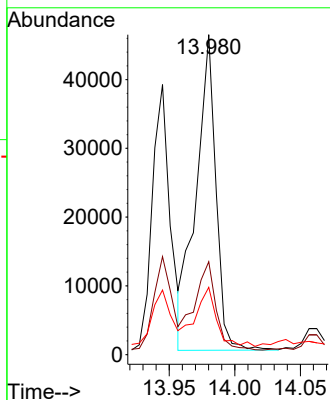
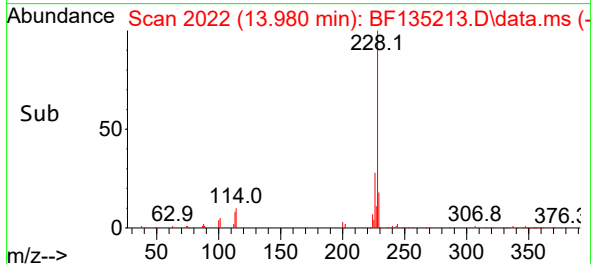
Instrument :
BNA_F
ClientSampleId :
RT4213



Tgt Ion:228 Resp: 4874
Ion Ratio Lower Upper
228 100
226 29.1 24.3 36.5
229 21.1 16.0 24.0

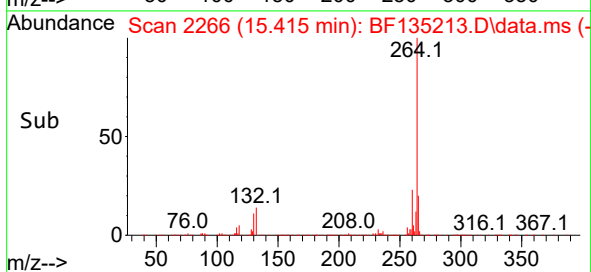
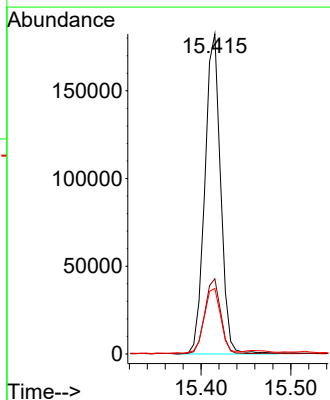
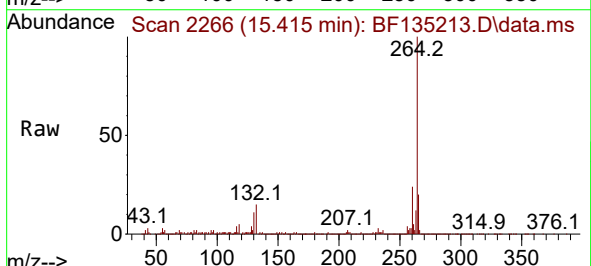
Manual Integrations
APPROVED

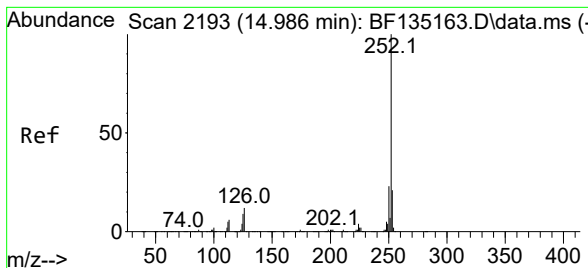
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF135213.D
Acq: 13 Sep 2023 08:41

Tgt Ion:264 Resp: 222530
Ion Ratio Lower Upper
264 100
260 23.5 19.8 29.6
265 20.5 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 5.301 ng m

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135213.D

Acq: 13 Sep 2023 08:41

Instrument :

BNA_F

ClientSampleId :

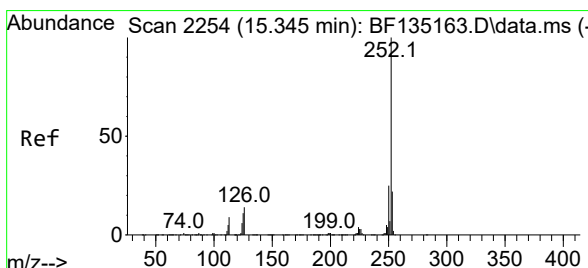
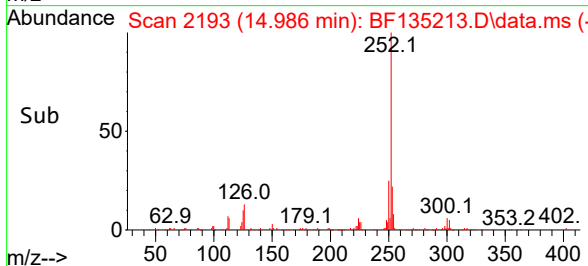
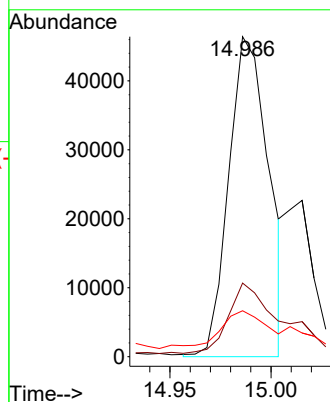
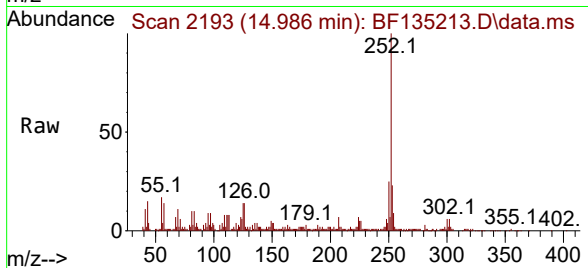
RT4213

Tgt Ion:252 Resp: 6385
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.2 25.8
 125 14.4 7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023



#90

Benzo(a)pyrene

Concen: 3.500 ng

RT: 15.351 min Scan# 2255

Delta R.T. 0.006 min

Lab File: BF135213.D

Acq: 13 Sep 2023 08:41

Tgt Ion:252 Resp: 40203
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.5 26.3
 125 14.4 9.2 13.8

