

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091423\
 Data File : BF135260.D
 Acq On : 14 Sep 2023 18:27
 Operator : CG\JU
 Sample : 04393-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/15/2023
 Supervised By :mohammad ahmed 09/15/2023

Quant Time: Sep 14 19:09:32 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	131702	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	465123	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	201409	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	217722	20.000	ng	# 0.01
76) Chrysene-d12	13.980	240	169395	20.000	ng	0.04
86) Perylene-d12	15.439	264	232909	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	854286	105.500	ng	0.01
7) Phenol-d6	6.410	99	1060489	102.995	ng	0.00
23) Nitrobenzene-d5	7.328	82	641013	74.875	ng	0.00
42) 2,4,6-Tribromophenol	10.598	330	184831	92.345	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	983611	73.681	ng	0.00
79) Terphenyl-d14	12.916	244	465747	42.622	ng	0.02
Target Compounds						Qvalue
71) Phenanthrene	11.327	178	45796	4.447	ng	# 65
75) Fluoranthene	12.539	202	82330	7.673	ng	81
78) Pyrene	12.769	202	69801	4.328	ng	# 79
81) Benzo(a)anthracene	13.968	228	41615	3.805	ng	# 83
83) Chrysene	14.004	228	46083	4.237	ng	# 87
84) Bis(2-ethylhexyl)phtha...	13.957	149	198194	34.013	ng	98
87) Indeno(1,2,3-cd)pyrene	16.909	276	31466	2.060	ng	95
88) Benzo(b)fluoranthene	15.015	252	79747m	6.325	ng	
90) Benzo(a)pyrene	15.374	252	46832	3.895	ng	# 66
92) Benzo(g,h,i)perylene	17.356	276	28703	2.200	ng	93

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

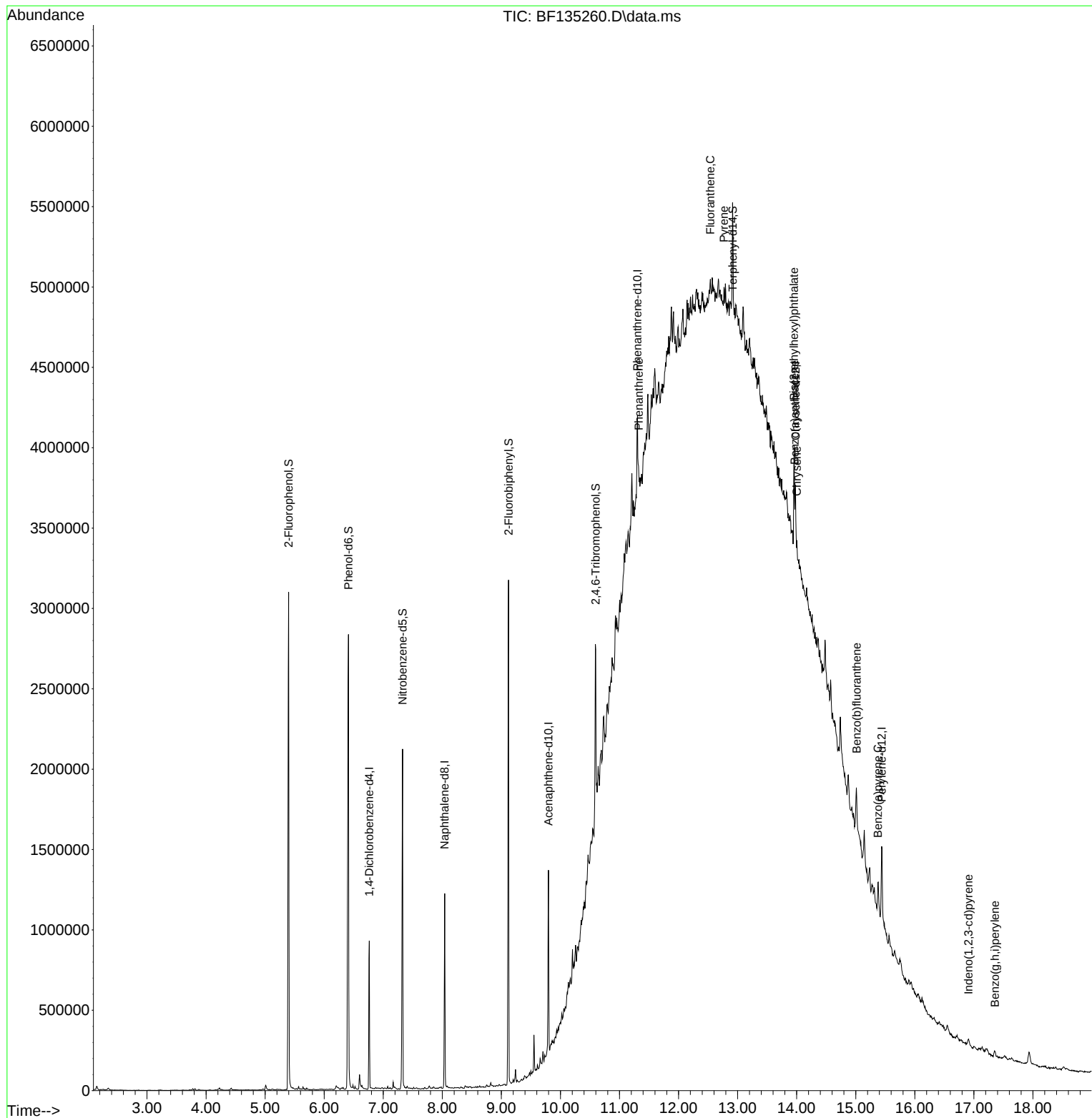
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091423\
Data File : BF135260.D
Acq On : 14 Sep 2023 18:27
Operator : CG\JU
Sample : 04393-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

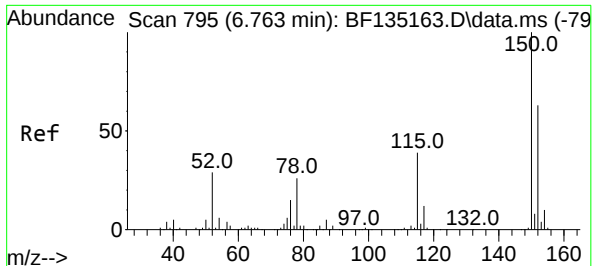
Instrument :
BNA_F
ClientSampleId :
WC-1

Quant Time: Sep 14 19:09:32 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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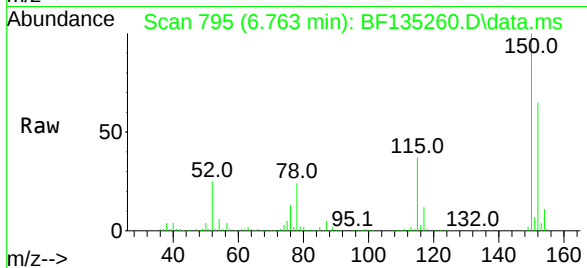
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135260.D
Acq: 14 Sep 2023 18:27

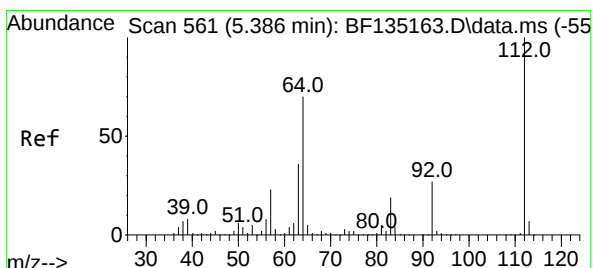
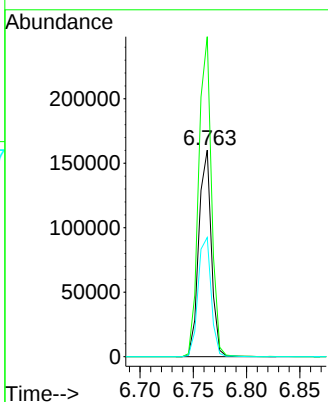
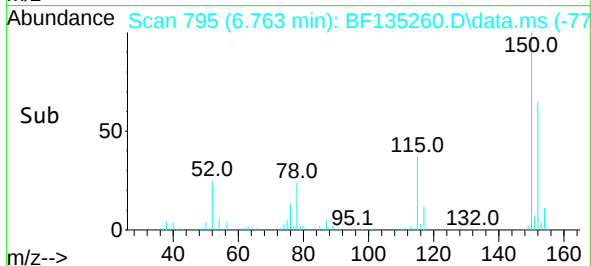
Instrument :
BNA_F
ClientSampleId :
WC-1



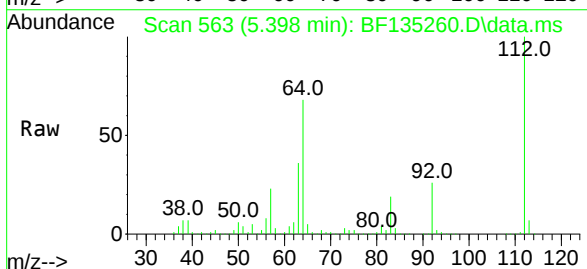
Tgt Ion:152 Resp: 131702
Ion Ratio Lower Upper
152 100
150 154.9 127.8 191.6
115 57.7 49.8 74.8

Manual Integrations
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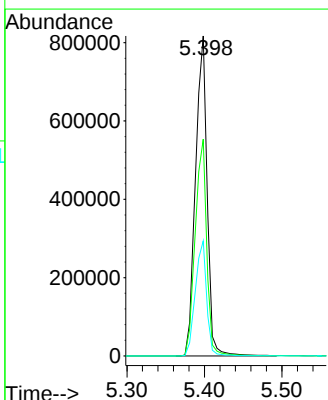
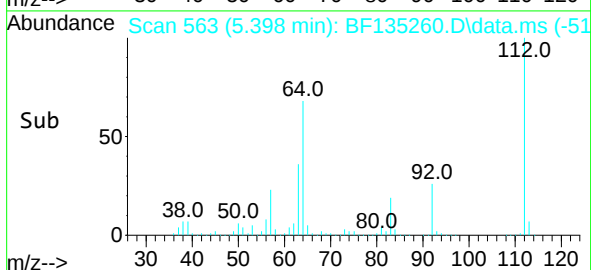
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

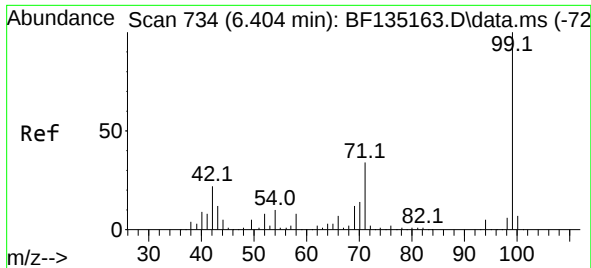


#5
2-Fluorophenol
Concen: 105.500 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF135260.D
Acq: 14 Sep 2023 18:27



Tgt Ion:112 Resp: 854286
Ion Ratio Lower Upper
112 100
64 67.7 55.9 83.9
63 36.0 29.0 43.6





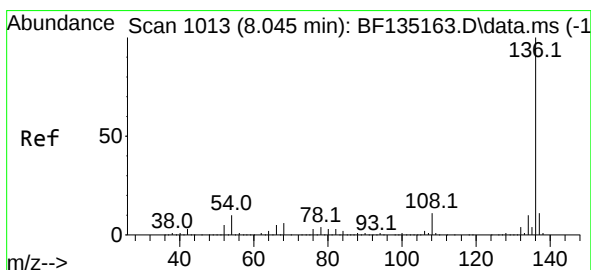
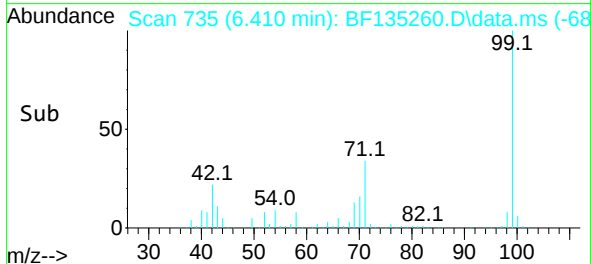
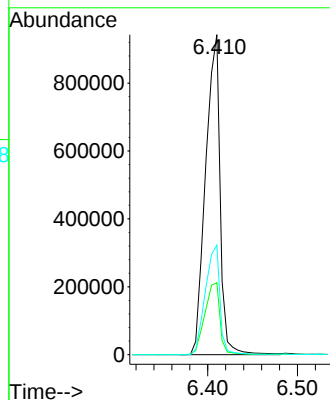
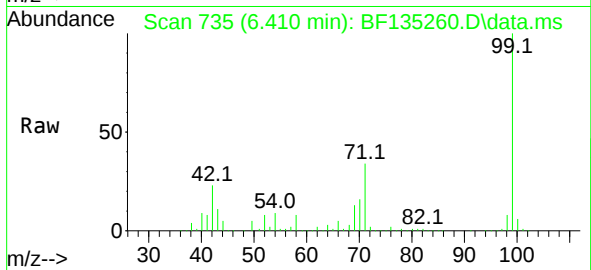
#7
Phenol-d6
Concen: 102.995 ng
RT: 6.410 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135260.D
Acq: 14 Sep 2023 18:27

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 99 Resp: 1060489
Ion Ratio Lower Upper
99 100
42 22.5 17.9 26.9
71 34.3 27.0 40.6

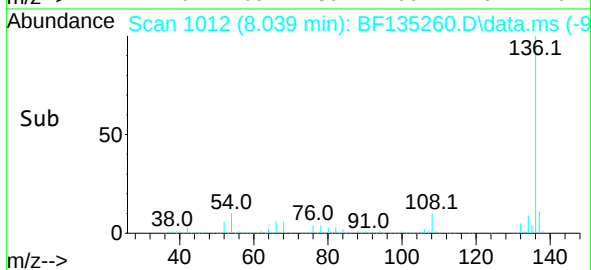
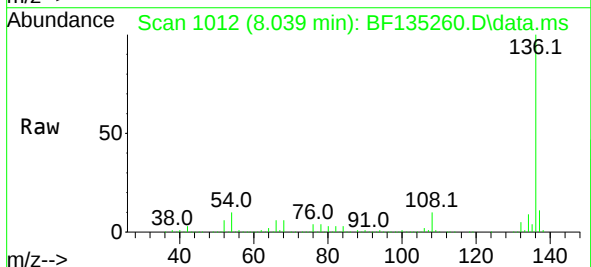
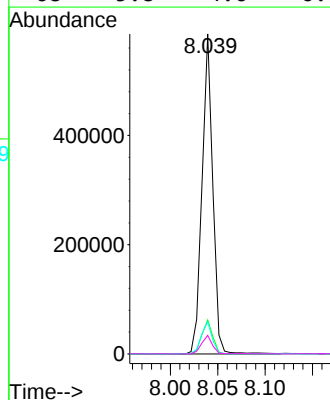
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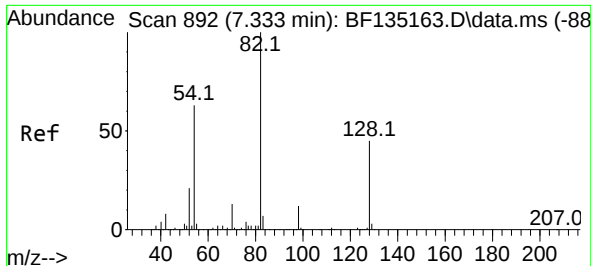
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135260.D
Acq: 14 Sep 2023 18:27

Tgt Ion:136 Resp: 465123
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 10.1 7.7 11.5
68 5.8 4.6 6.8





#23

Nitrobenzene-d5

Concen: 74.875 ng

RT: 7.328 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF135260.D

Acq: 14 Sep 2023 18:27

Instrument :

BNA_F

ClientSampleId :

WC-1

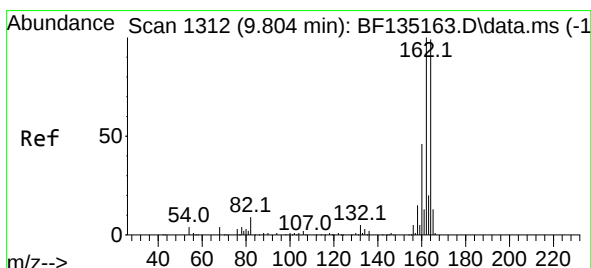
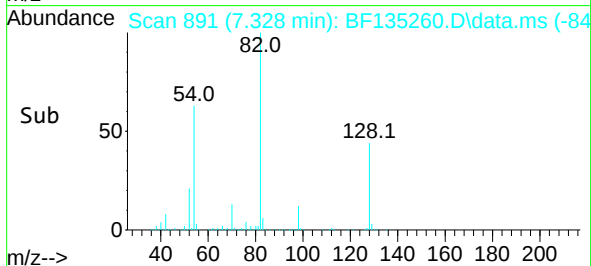
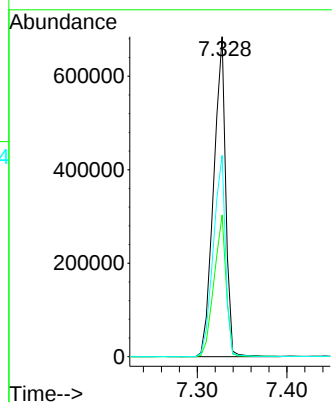
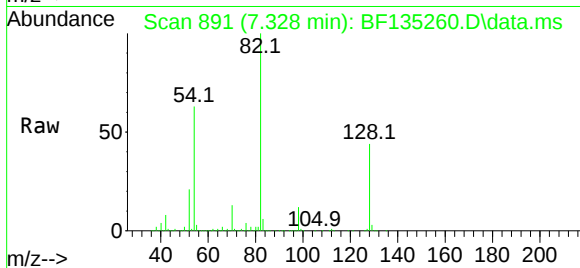
Tgt Ion:	82	Resp:	64101
Ion Ratio	Lower	Upper	
82	100		
128	44.3	35.8	53.6
54	62.9	50.6	76.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

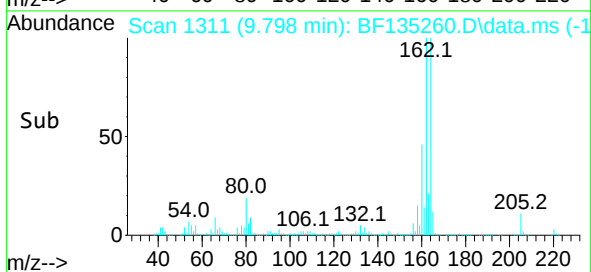
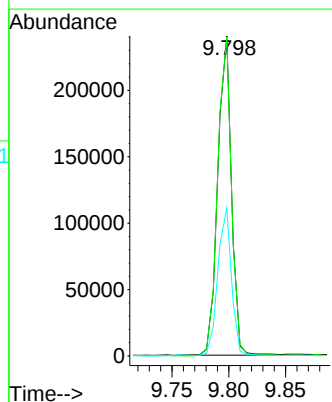
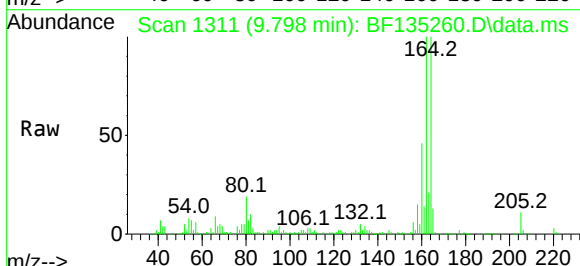
RT: 9.798 min Scan# 1311

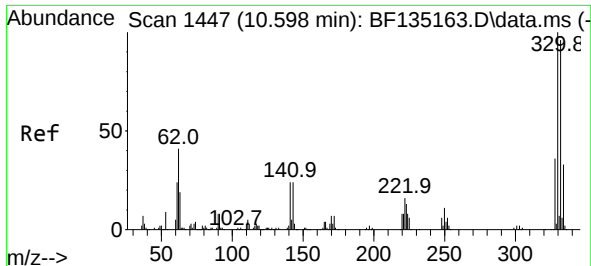
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Lab File: BF135260.D

Acq: 14 Sep 2023 18:27

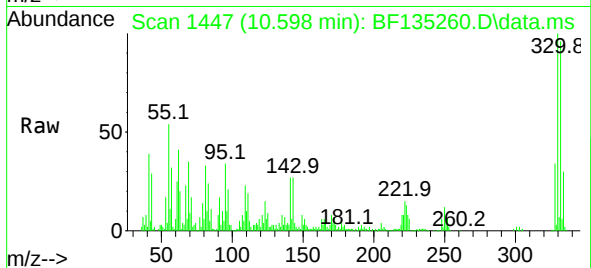
Tgt Ion:	164	Resp:	201409
Ion Ratio	Lower	Upper	
164	100		
162	99.6	81.0	121.4
160	46.2	37.0	55.4





#42
2,4,6-Tribromophenol
Concen: 92.345 ng
RT: 10.598 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF135260.D
Acq: 14 Sep 2023 18:27

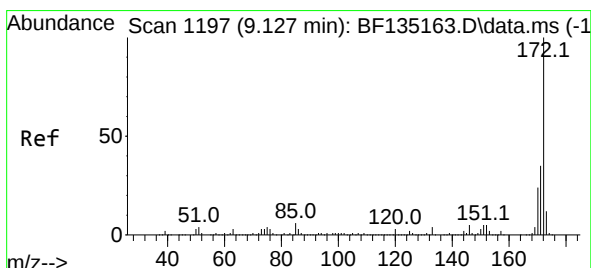
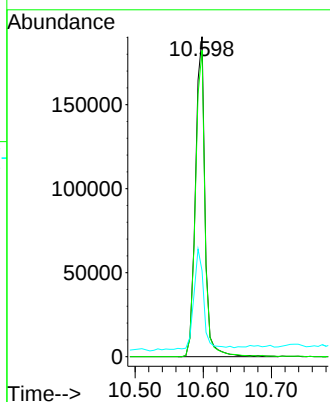
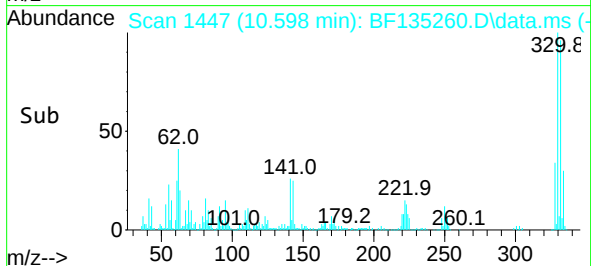
Instrument :
BNA_F
ClientSampleId :
WC-1



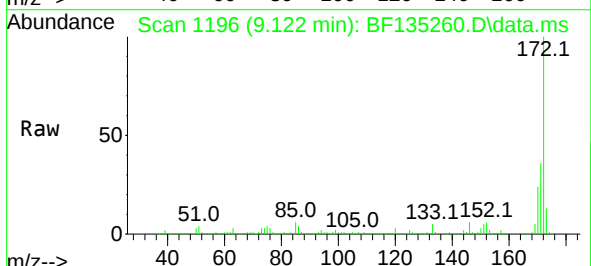
Tgt Ion: 330 Resp: 18483
Ion Ratio Lower Upper
330 100
332 95.5 77.3 115.9
141 35.4 25.8 38.8

Manual Integrations
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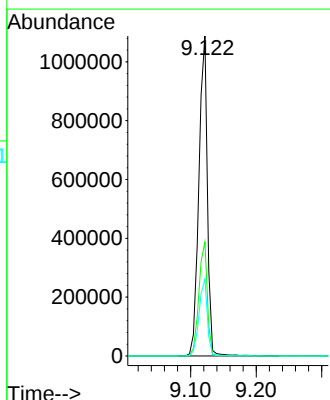
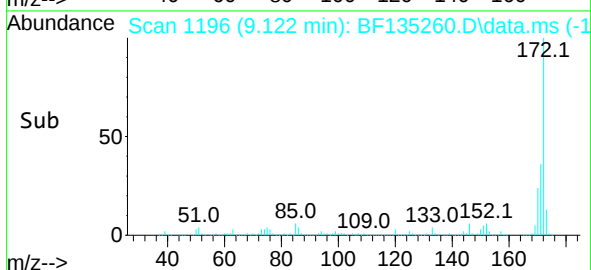
Reviewed By : Yogesh Patel 09/15/2023
Supervised By : mohammad ahmed 09/15/2023

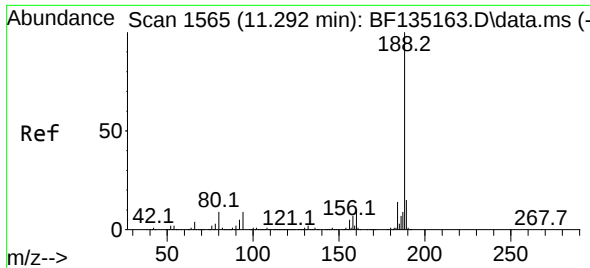


#45
2-Fluorobiphenyl
Concen: 73.681 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF135260.D
Acq: 14 Sep 2023 18:27



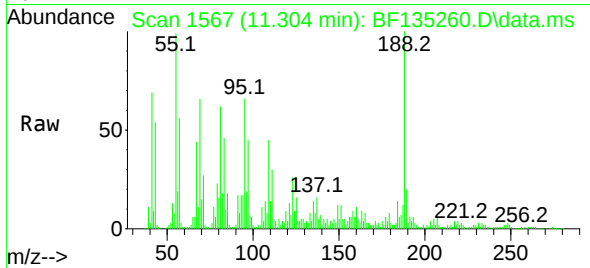
Tgt Ion: 172 Resp: 983611
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 24.0 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF135260.D
Acq: 14 Sep 2023 18:27

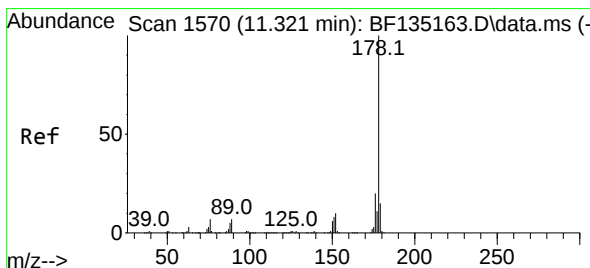
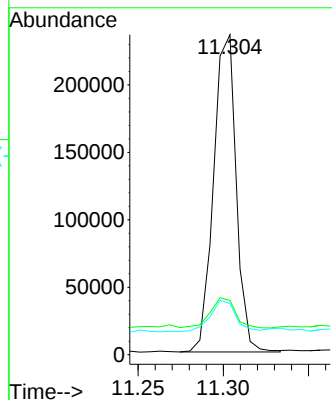
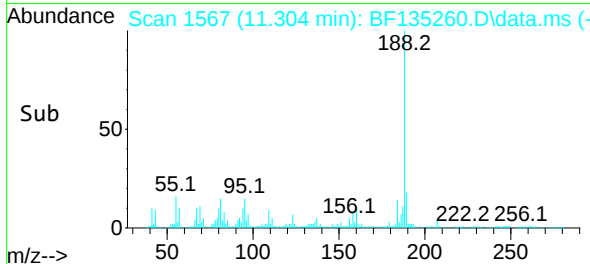
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:188 Resp: 21772
Ion Ratio Lower Upper
188 100
94 17.0 7.0 10.6
80 16.0 7.5 11.3

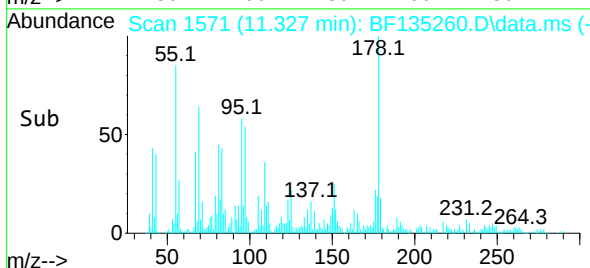
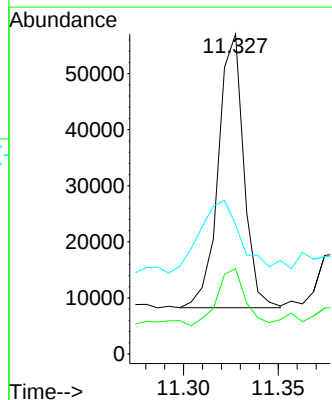
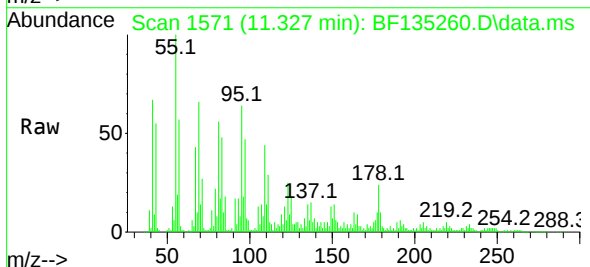
Manual Integrations
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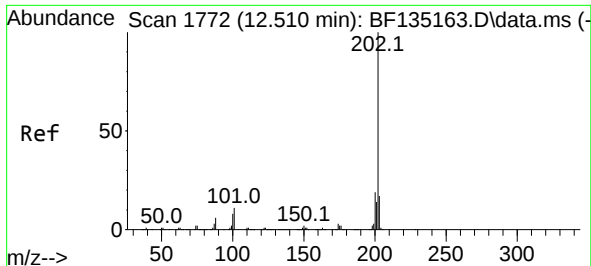
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#71
Phenanthrene
Concen: 4.447 ng
RT: 11.327 min Scan# 1571
Delta R.T. 0.006 min
Lab File: BF135260.D
Acq: 14 Sep 2023 18:27

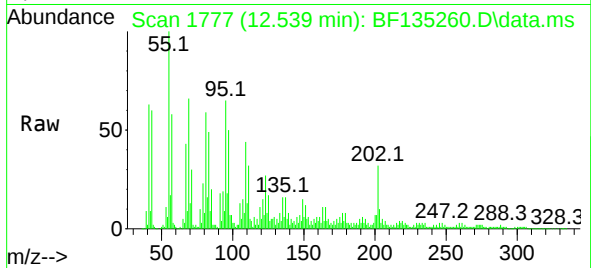
Tgt Ion:178 Resp: 45796
Ion Ratio Lower Upper
178 100
176 26.6 15.6 23.4#
179 40.4 12.0 18.0#





#75
Fluoranthene
Concen: 7.673 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.030 min
Lab File: BF135260.D
Acq: 14 Sep 2023 18:27

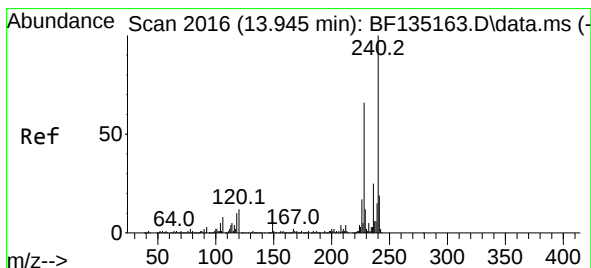
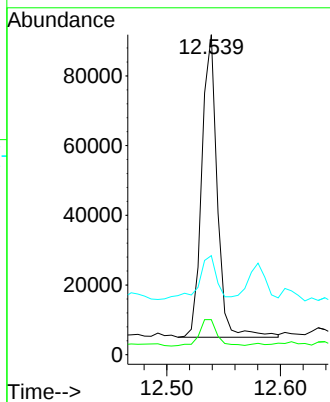
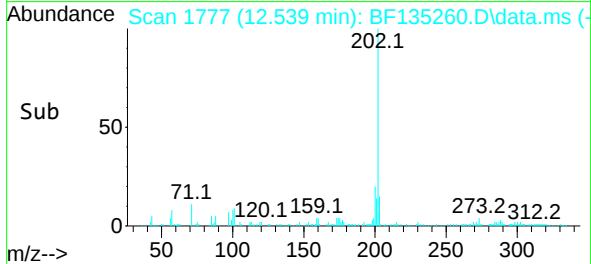
Instrument :
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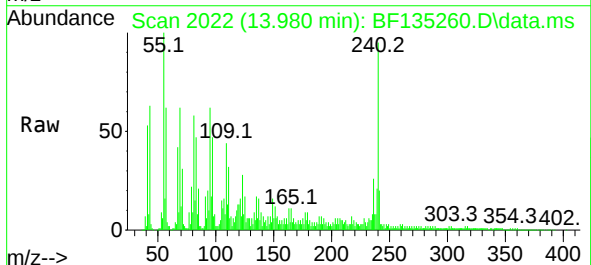
Tgt Ion:202 Resp: 82330
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.3
203 31.0 0.0 37.4

Manual Integrations
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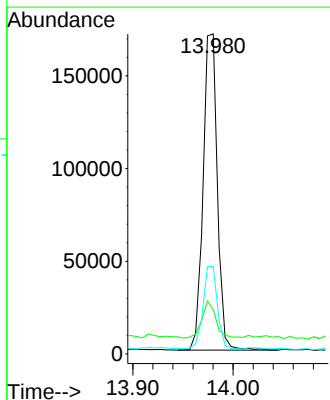
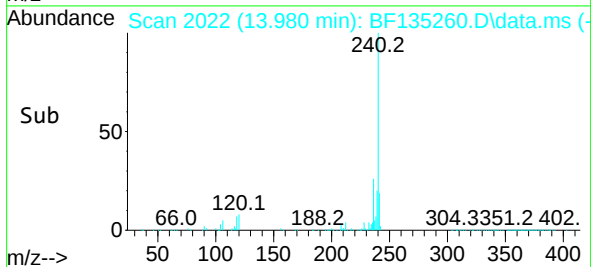
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023

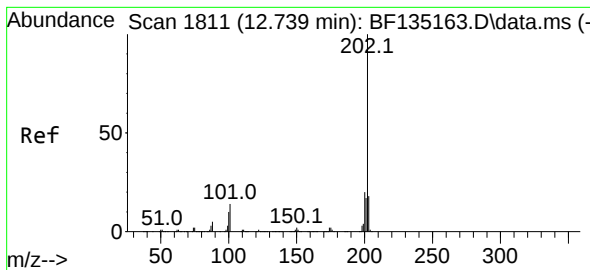


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.035 min
Lab File: BF135260.D
Acq: 14 Sep 2023 18:27



Tgt Ion:240 Resp: 169395
Ion Ratio Lower Upper
240 100
120 13.8 9.4 14.2
236 27.3 19.8 29.8





#78

Pyrene

Concen: 4.328 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.030 min

Lab File: BF135260.D

Acq: 14 Sep 2023 18:27

Instrument :

BNA_F

ClientSampleId :

WC-1

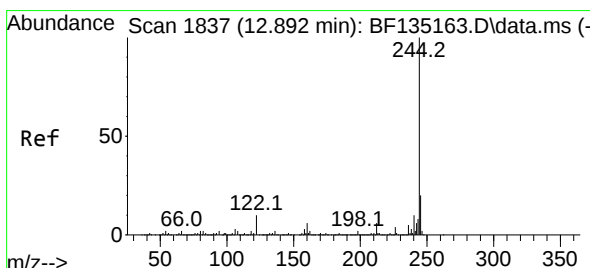
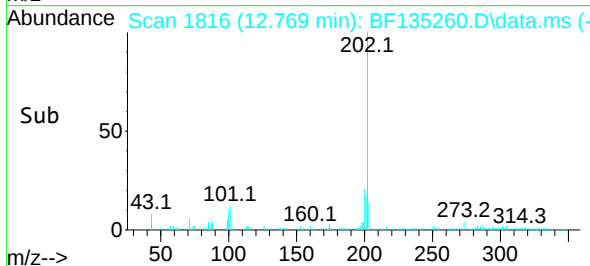
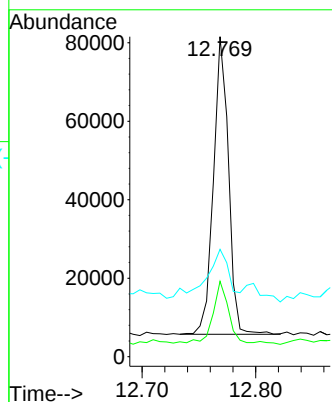
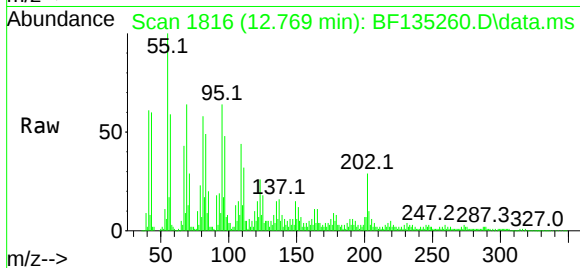
Tgt Ion:	202	Resp:	6980
Ion Ratio	Lower	Upper	
202	100		
200	23.5	16.2	24.2
203	33.6	14.2	21.4

Manual Integrations

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#79

Terphenyl-d14

Concen: 42.622 ng

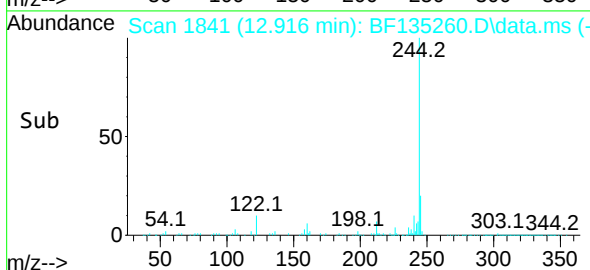
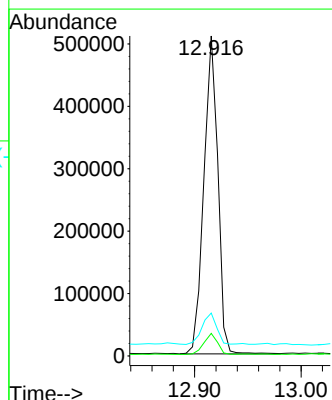
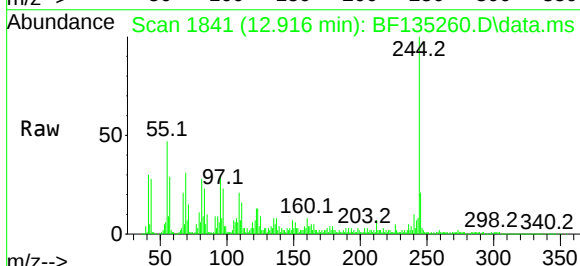
RT: 12.916 min Scan# 1841

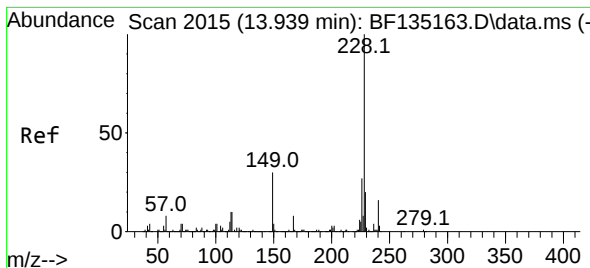
Delta R.T. 0.024 min

Lab File: BF135260.D

Acq: 14 Sep 2023 18:27

Tgt Ion:	244	Resp:	465747
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.1	7.7
122	13.4	7.9	11.9





#81

Benzo(a)anthracene

Concen: 3.805 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.030 min

Lab File: BF135260.D

Acq: 14 Sep 2023 18:27

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:228 Resp: 4161

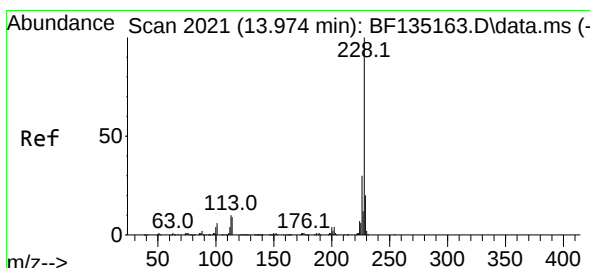
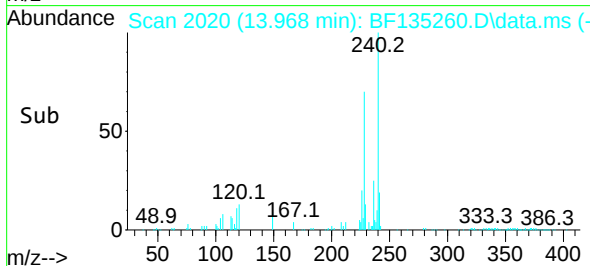
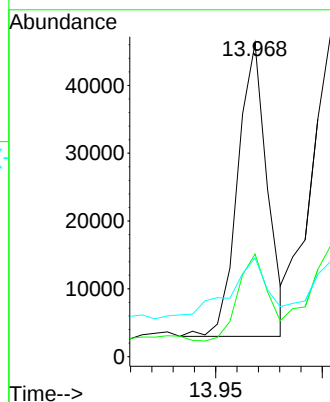
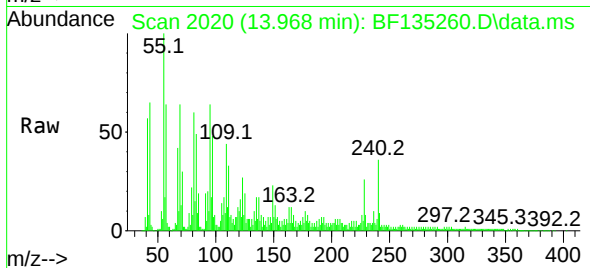
Ion	Ratio	Lower	Upper
228	100		
226	32.7	21.7	32.5
229	31.5	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#83

Chrysene

Concen: 4.237 ng

RT: 14.004 min Scan# 2026

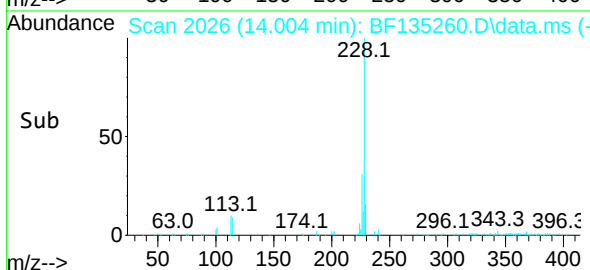
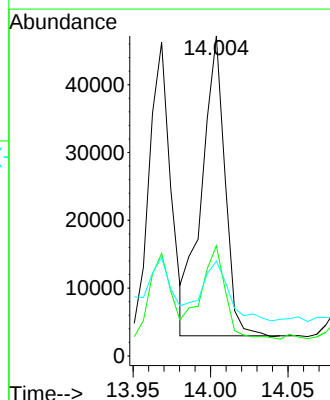
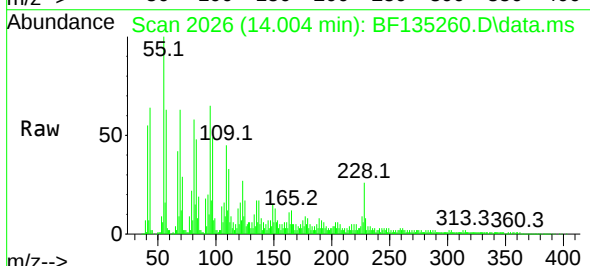
Delta R.T. 0.030 min

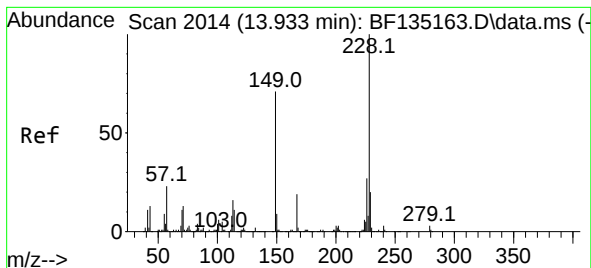
Lab File: BF135260.D

Acq: 14 Sep 2023 18:27

Tgt Ion:228 Resp: 46083

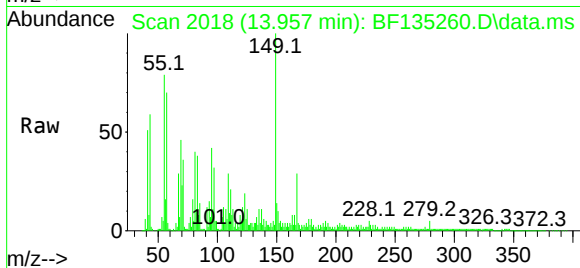
Ion	Ratio	Lower	Upper
228	100		
226	34.5	24.3	36.5
229	29.7	16.0	24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 34.013 ng
RT: 13.957 min Scan# 2014
Delta R.T. 0.024 min
Lab File: BF135260.D
Acq: 14 Sep 2023 18:27

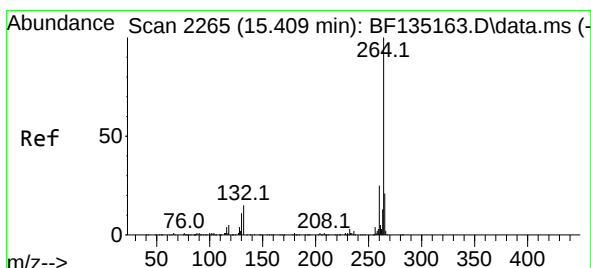
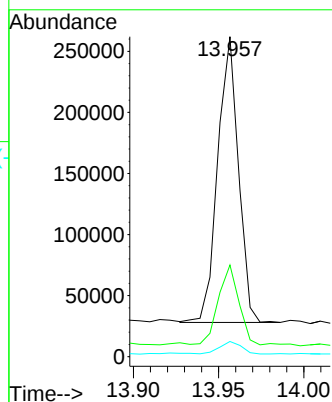
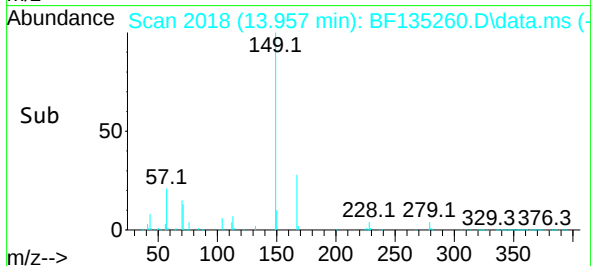
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:149 Resp: 198194
Ion Ratio Lower Upper
149 100
167 28.7 21.9 32.9
279 4.8 3.3 4.9

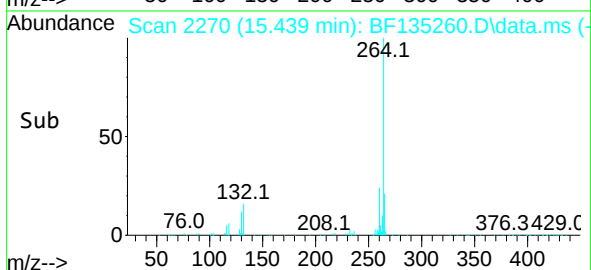
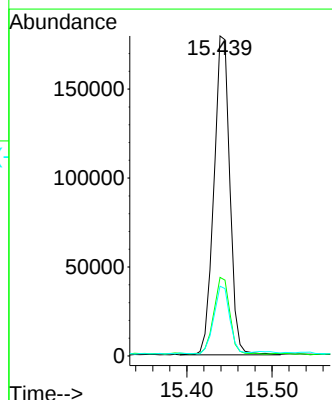
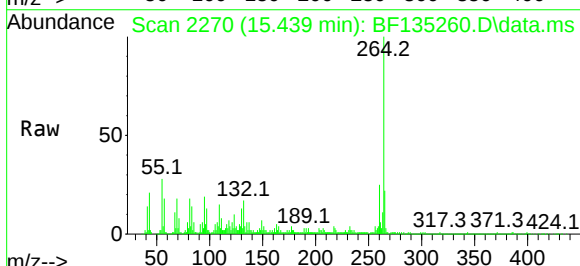
Manual Integrations
APPROVED

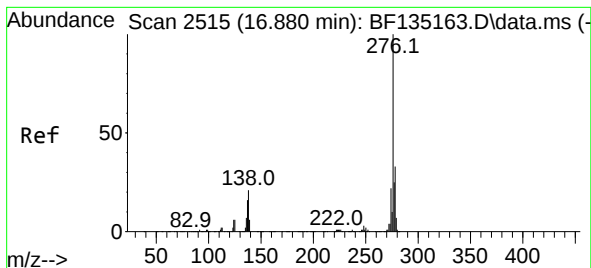
Reviewed By :Yogesh Patel 09/15/2023
Supervised By :mohammad ahmed 09/15/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.030 min
Lab File: BF135260.D
Acq: 14 Sep 2023 18:27

Tgt Ion:264 Resp: 232909
Ion Ratio Lower Upper
264 100
260 24.5 19.8 29.6
265 21.8 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.060 ng

RT: 16.909 min Scan# 2198

Delta R.T. 0.030 min

Lab File: BF135260.D

Acq: 14 Sep 2023 18:27

Instrument :

BNA_F

ClientSampleId :

WC-1

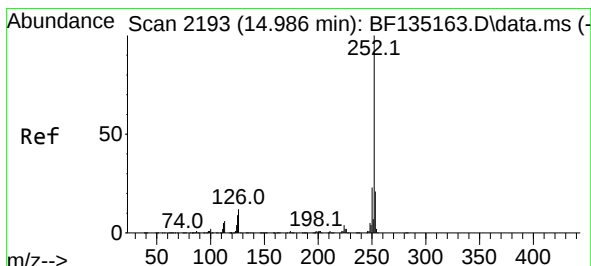
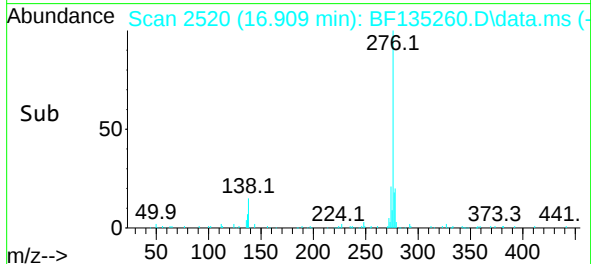
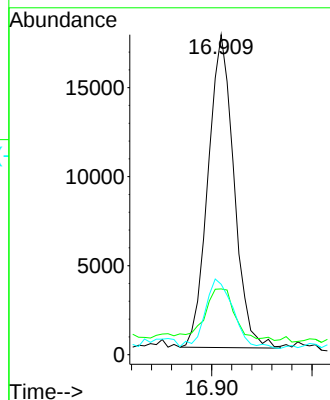
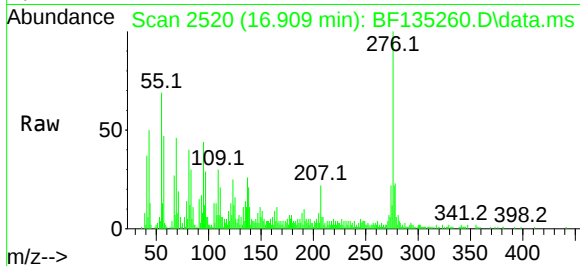
Tgt Ion:	276	Resp:	31460
Ion Ratio	Lower	Upper	
276	100		
138	19.7	19.2	28.8
277	24.3	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#88

Benzo(b)fluoranthene

Concen: 6.325 ng m

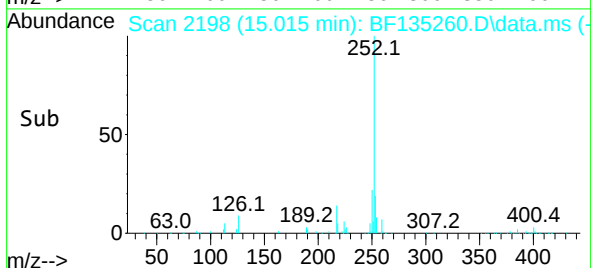
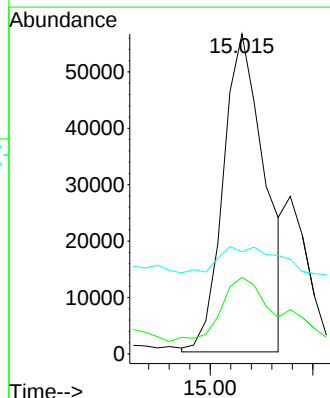
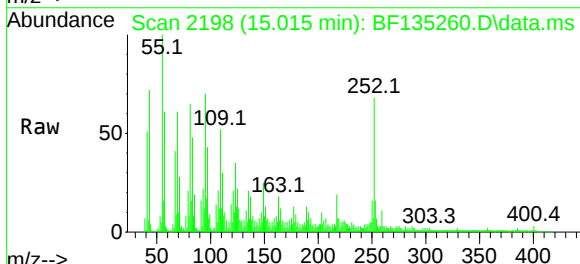
RT: 15.015 min Scan# 2198

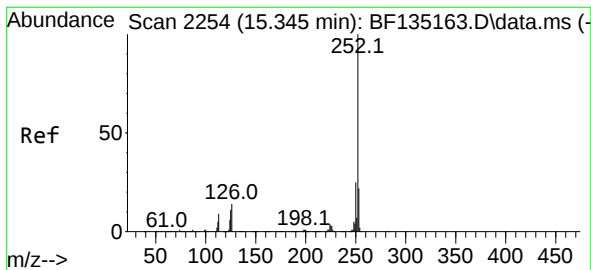
Delta R.T. 0.030 min

Lab File: BF135260.D

Acq: 14 Sep 2023 18:27

Tgt Ion:	252	Resp:	79747
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.2	25.8
125	32.0	7.1	10.7#





#90

Benzo(a)pyrene

Concen: 3.895 ng

RT: 15.374 min Scan# 2259

Delta R.T. 0.030 min

Lab File: BF135260.D

Acq: 14 Sep 2023 18:27

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:252 Resp: 4683

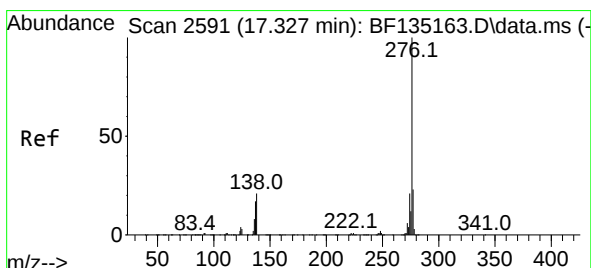
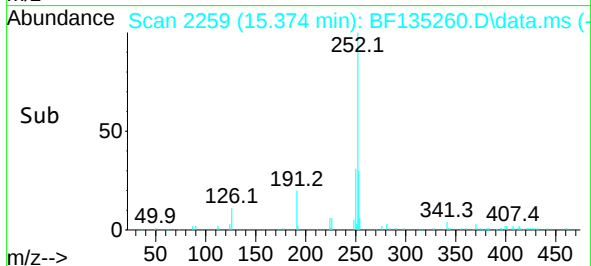
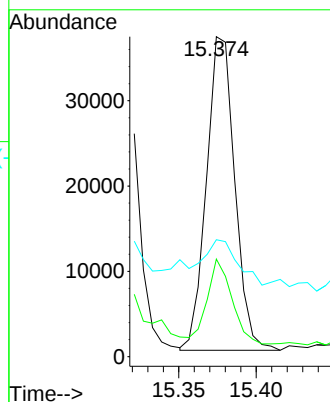
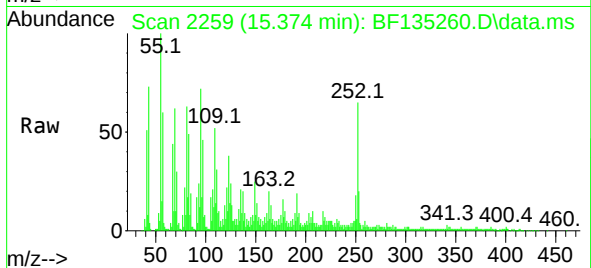
Ion	Ratio	Lower	Upper
252	100		
253	30.5	17.5	26.3
125	36.6	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#92

Benzo(g,h,i)perylene

Concen: 2.200 ng

RT: 17.356 min Scan# 2596

Delta R.T. 0.030 min

Lab File: BF135260.D

Acq: 14 Sep 2023 18:27

Tgt Ion:276 Resp: 28703

Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.8	28.2
138	24.9	16.9	25.3

