

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
 Data File : BF135390.D
 Acq On : 21 Sep 2023 20:19
 Operator : CG\JU
 Sample : 04397-02 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B103-06

Manual Integrations
 APPROVED

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

Quant Time: Sep 22 05:59:25 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	121980	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	414560	20.000	ng	#-0.01
39) Acenaphthene-d10	9.798	164	137196	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	158890	20.000	ng	# 0.01
76) Chrysene-d12	13.957	240	186958	20.000	ng	# 0.01
86) Perylene-d12	15.415	264	179127	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	180391	24.053	ng	0.00
7) Phenol-d6	6.404	99	219881	23.057	ng	0.00
23) Nitrobenzene-d5	7.316	82	119407	15.649	ng	-0.02
42) 2,4,6-Tribromophenol	10.598	330	23596	17.307	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	189685	20.859	ng	-0.01
79) Terphenyl-d14	12.904	244	131506	10.904	ng	0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.657	152	30426	2.393	ng	# 8
71) Phenanthrene	11.328	178	49771	6.623	ng	# 49
75) Fluoranthene	12.533	202	117592	15.017	ng	89
78) Pyrene	12.763	202	117570	6.605	ng	# 89
81) Benzo(a)anthracene	13.951	228	55434m	4.592	ng	
83) Chrysene	13.986	228	101700	8.473	ng	97
84) Bis(2-ethylhexyl)phtha...	13.945	149	1595045	248.022	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	40596	3.457	ng	99
88) Benzo(b)fluoranthene	14.992	252	119226m	12.295	ng	
89) Benzo(k)fluoranthene	15.015	252	35788m	3.736	ng	
90) Benzo(a)pyrene	15.357	252	54672	5.912	ng	# 92
92) Benzo(g,h,i)perylene	17.345	276	38691	3.855	ng	97

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

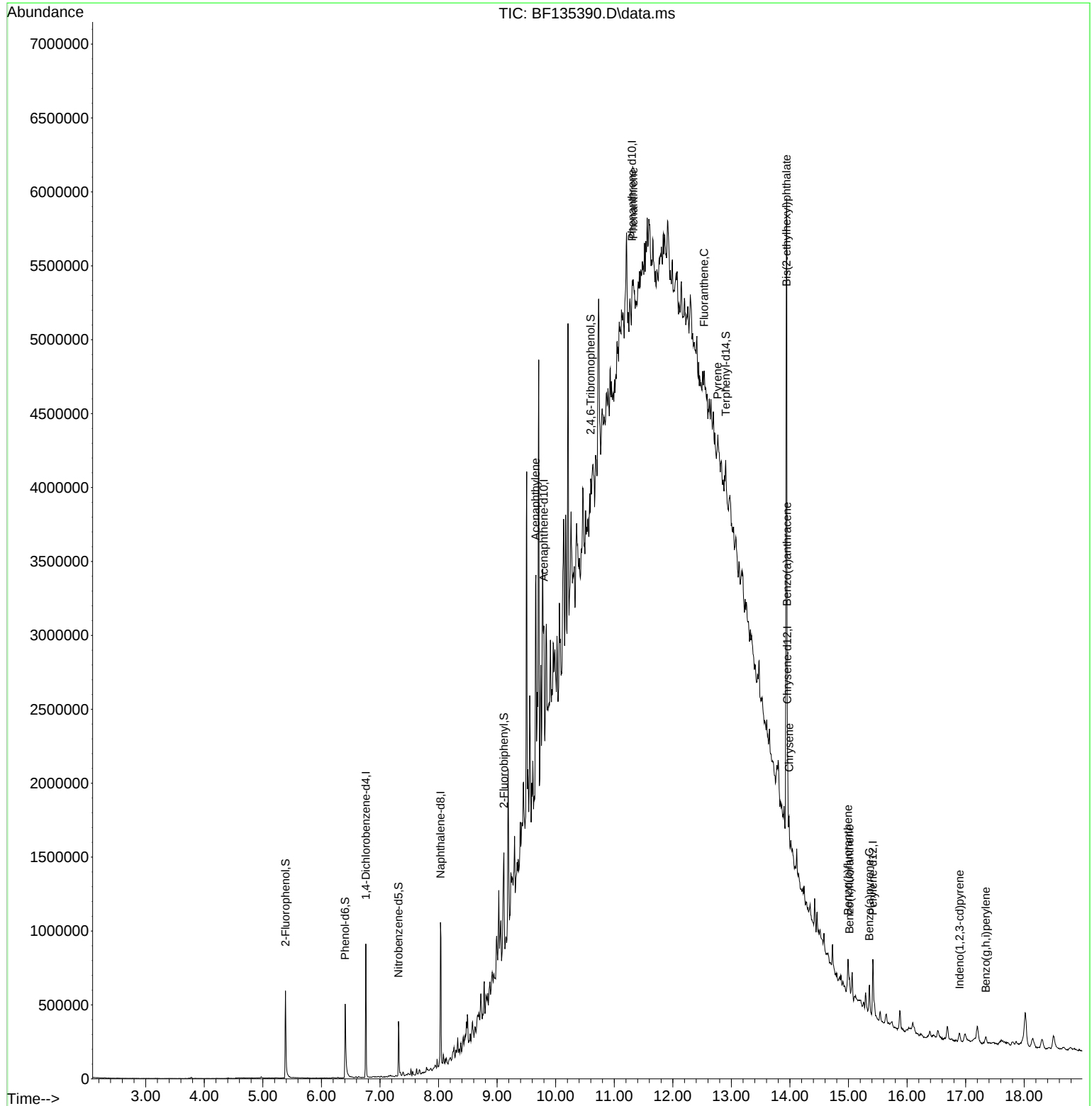
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135390.D
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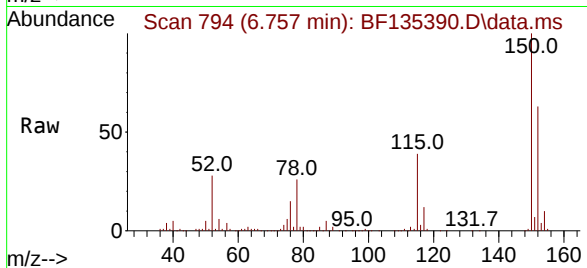
Quant Time: Sep 22 05:59:25 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

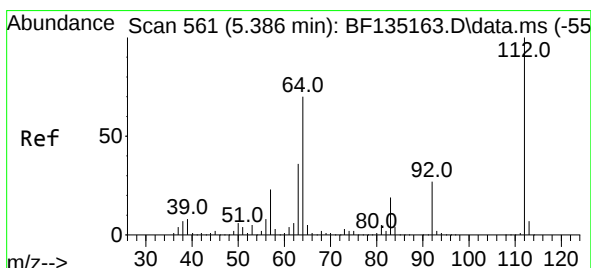
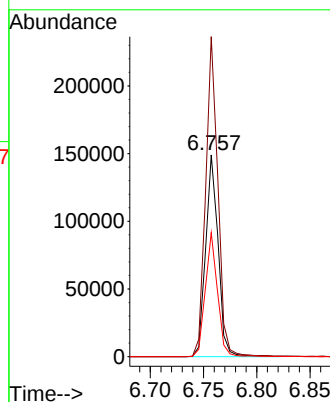
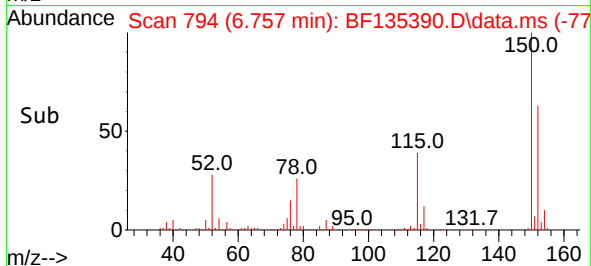
Instrument :
BNA_F
ClientSampleId :
B103-06



Tgt Ion:152 Resp: 121980
Ion Ratio Lower Upper
152 100
150 158.6 127.8 191.6
115 61.5 49.8 74.8

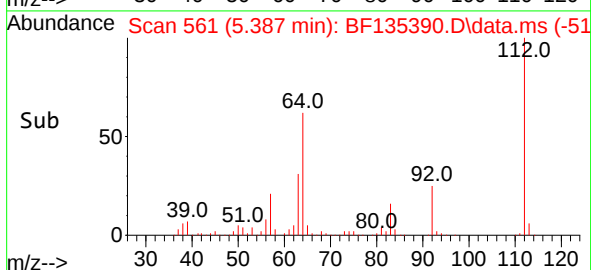
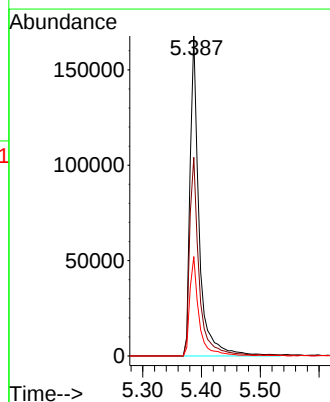
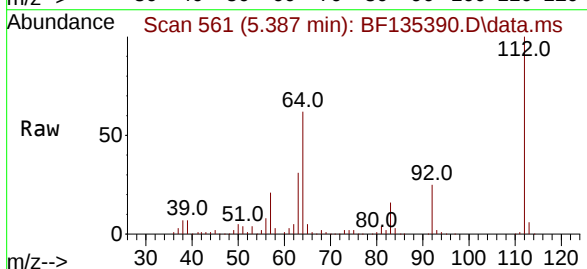
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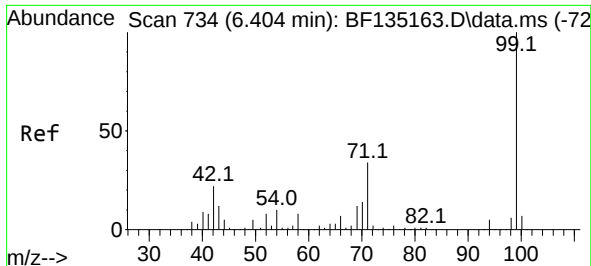
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#5
2-Fluorophenol
Concen: 24.053 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

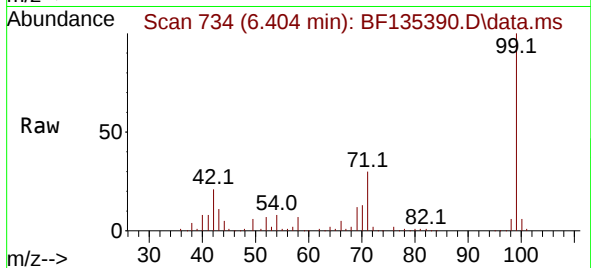
Tgt Ion:112 Resp: 180391
Ion Ratio Lower Upper
112 100
64 62.0 55.9 83.9
63 31.1 29.0 43.6





#7
Phenol-d6
Concen: 23.057 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

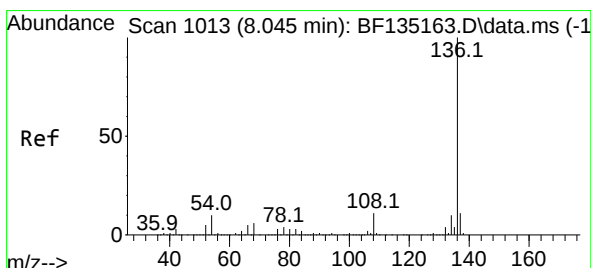
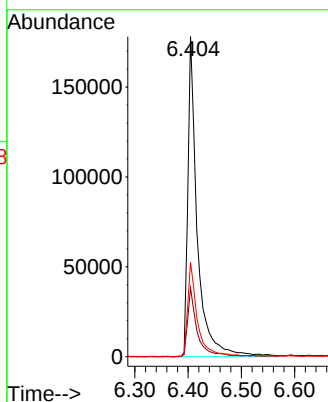
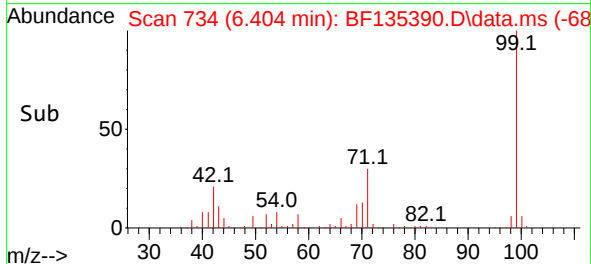
Instrument :
BNA_F
ClientSampleId :
B103-06



Tgt Ion: 99 Resp: 21988
Ion Ratio Lower Upper
99 100
42 21.5 17.9 26.9
71 29.5 27.0 40.6

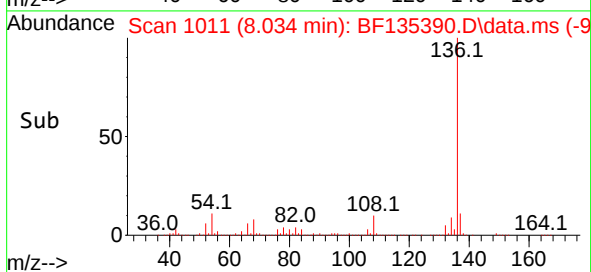
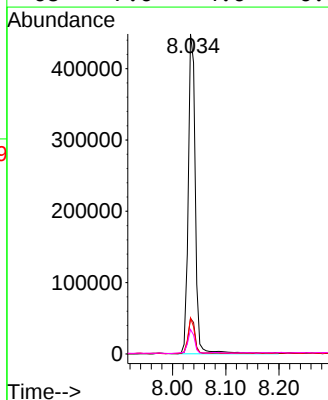
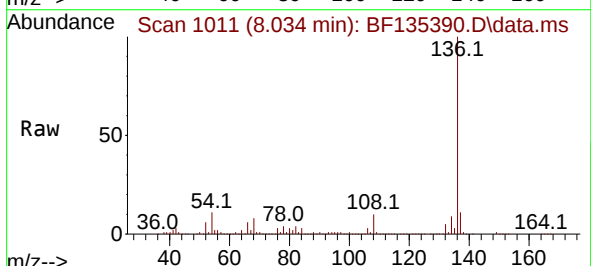
Manual Integrations
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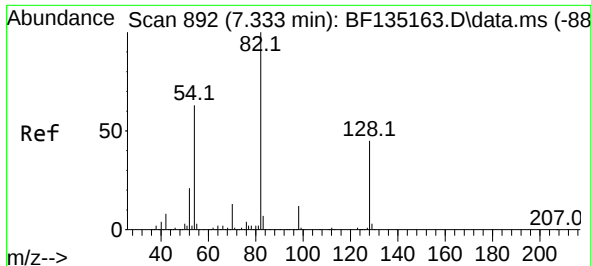
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

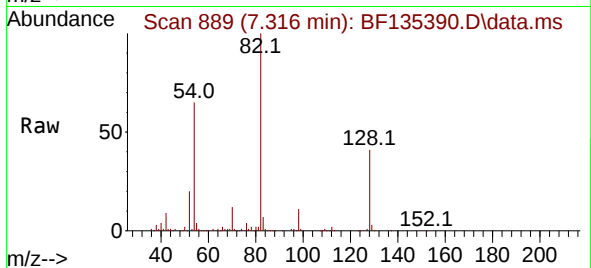
Tgt Ion:136 Resp: 414560
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 11.3 7.7 11.5
68 7.6 4.6 6.8#





#23
Nitrobenzene-d5
Concen: 15.649 ng
RT: 7.316 min Scan# 81
Delta R.T. -0.017 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

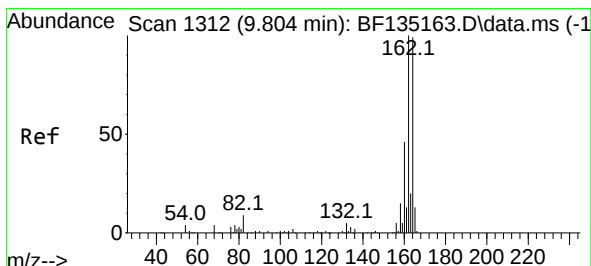
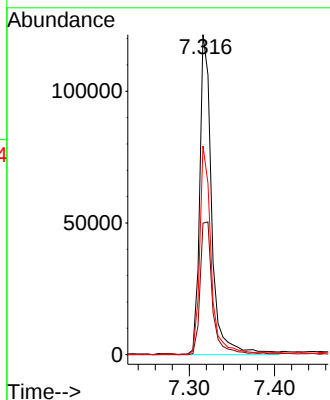
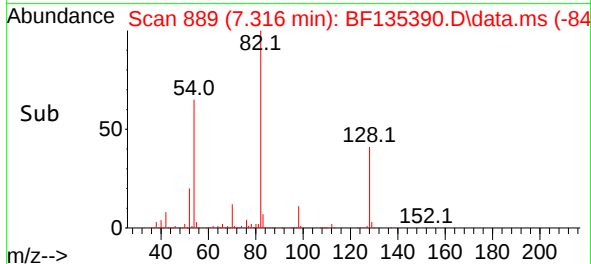
Instrument :
BNA_F
ClientSampleId :
B103-06



Tgt Ion: 82 Resp: 11940
Ion Ratio Lower Upper
82 100
128 41.1 35.8 53.6
54 65.2 50.6 76.0

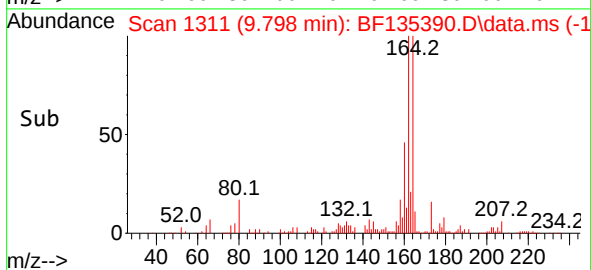
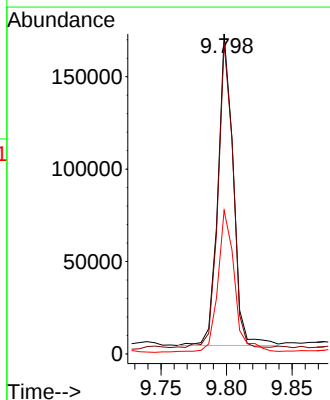
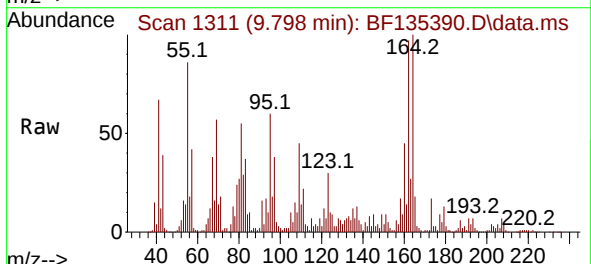
Manual Integrations
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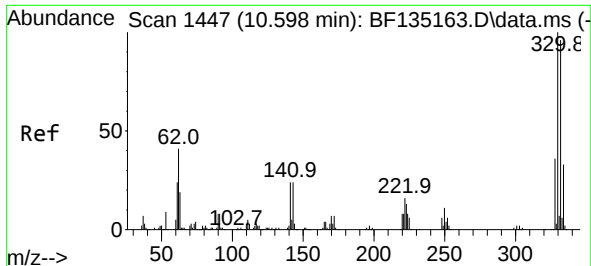
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

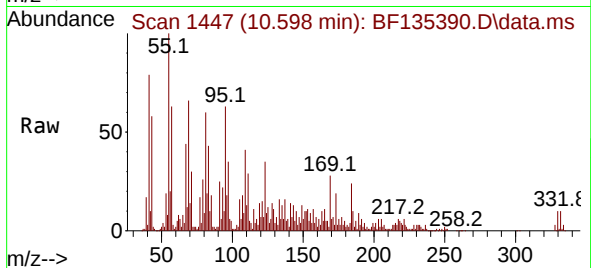
Tgt Ion:164 Resp: 137196
Ion Ratio Lower Upper
164 100
162 97.3 81.0 121.4
160 44.9 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 17.307 ng
RT: 10.598 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

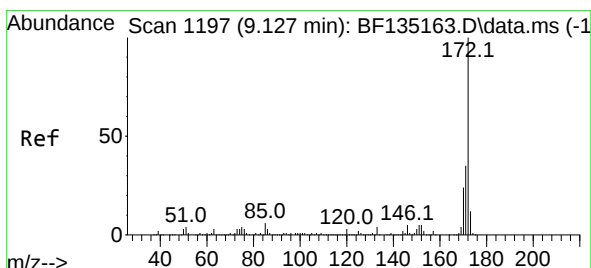
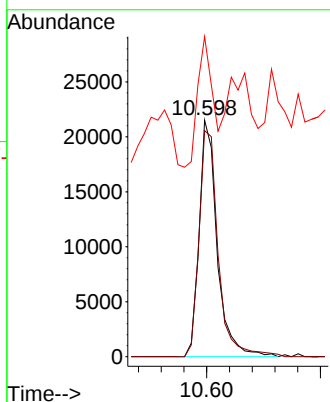
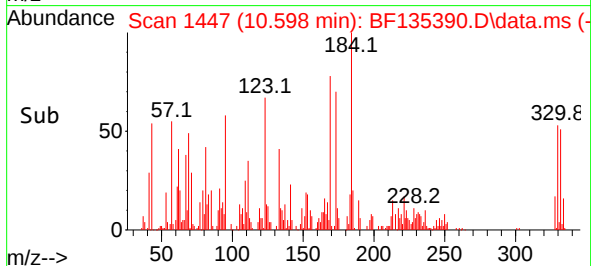
Instrument :
BNA_F
ClientSampleId :
B103-06



Tgt Ion:330 Resp: 23590
Ion Ratio Lower Upper
330 100
332 102.0 77.3 115.9
141 45.7 25.8 38.8

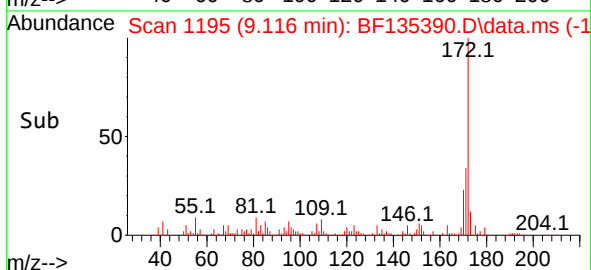
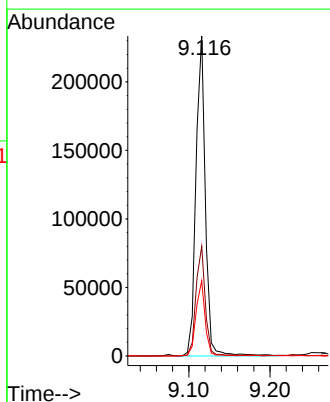
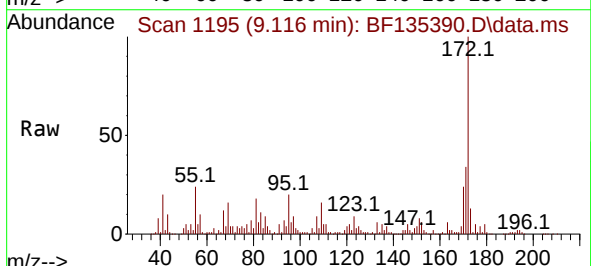
Manual Integrations
APPROVED

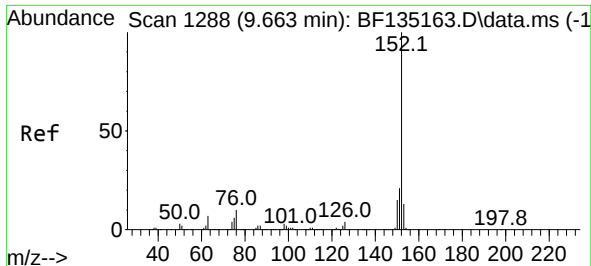
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#45
2-Fluorobiphenyl
Concen: 20.859 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

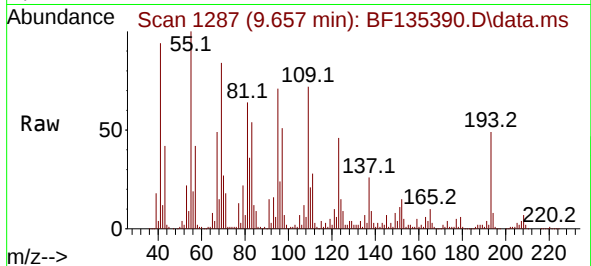
Tgt Ion:172 Resp: 189685
Ion Ratio Lower Upper
172 100
171 34.3 28.4 42.6
170 23.5 19.0 28.4





#49
Acenaphthylene
Concen: 2.393 ng
RT: 9.657 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

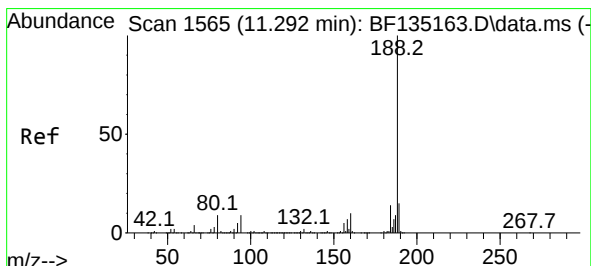
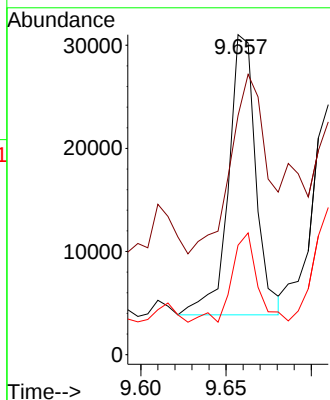
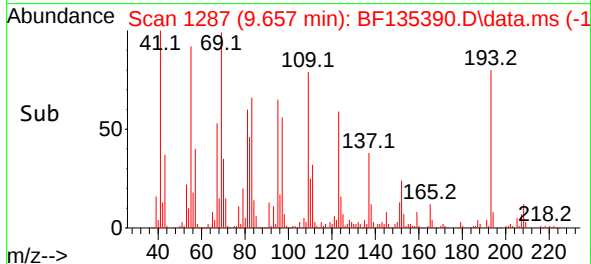
Instrument :
BNA_F
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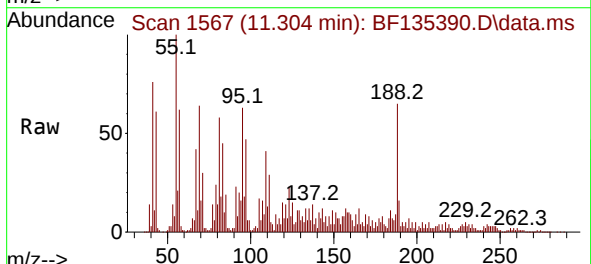
Tgt Ion:152 Resp: 30420
Ion Ratio Lower Upper
152 100
151 74.7 16.4 24.6
153 34.2 10.4 15.6

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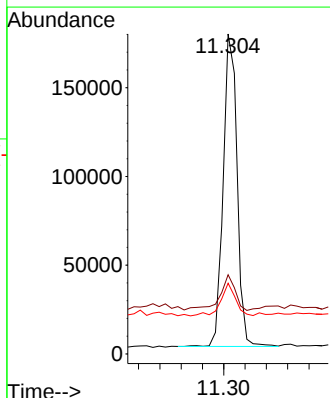
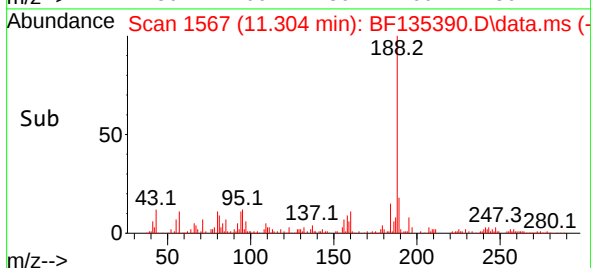
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023

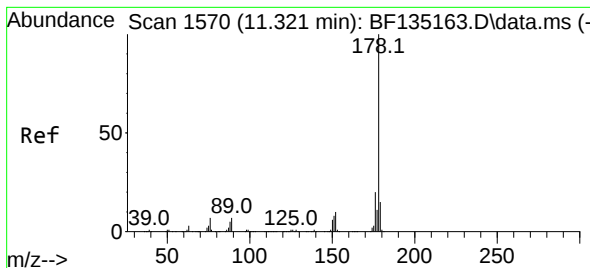


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. 0.012 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19



Tgt Ion:188 Resp: 158890
Ion Ratio Lower Upper
188 100
94 24.8 7.0 10.6#
80 22.1 7.5 11.3#





#71

Phenanthrene

Concen: 6.623 ng

RT: 11.328 min Scan# 1570

Delta R.T. 0.006 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

Instrument :

BNA_F

ClientSampleId :

B103-06

Tgt Ion:178 Resp: 4977

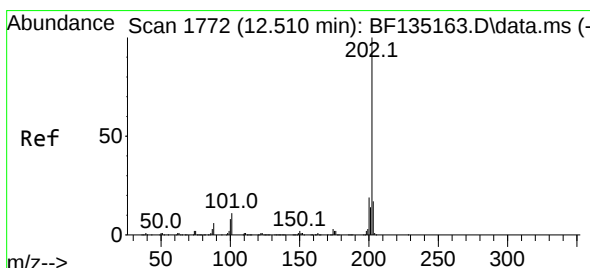
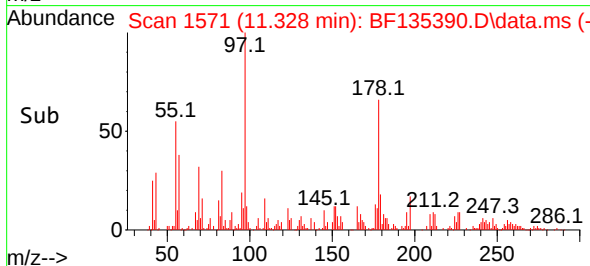
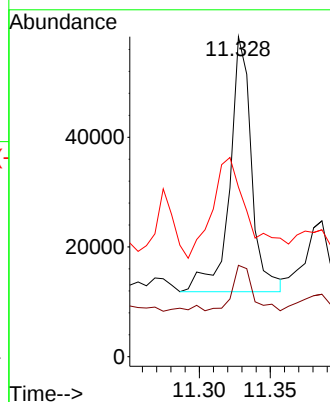
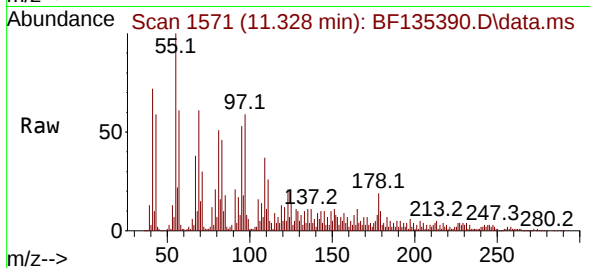
Ion	Ratio	Lower	Upper
178	100		
176	28.6	15.6	23.4
179	53.0	12.0	18.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/22/2023

Supervised By :mohammad ahmed 09/27/2023



#75

Fluoranthene

Concen: 15.017 ng

RT: 12.533 min Scan# 1776

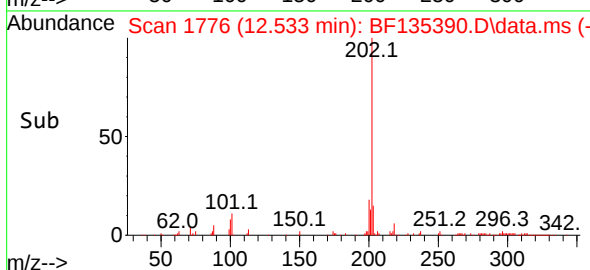
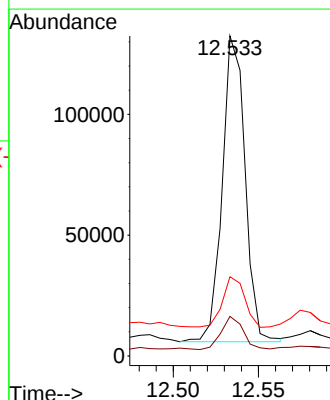
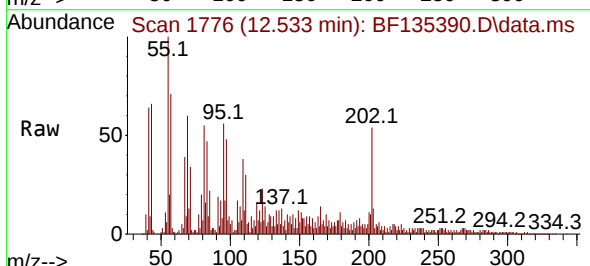
Delta R.T. 0.024 min

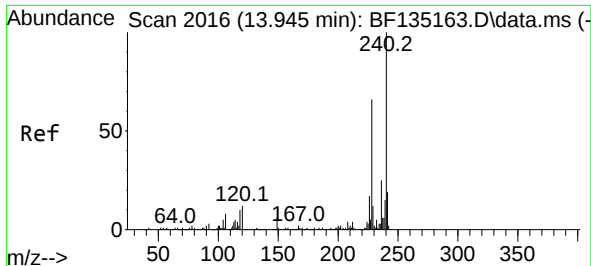
Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

Tgt Ion:202 Resp: 117592

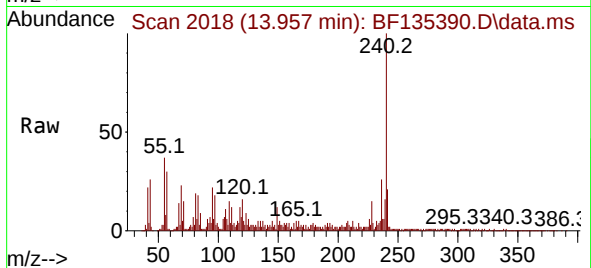
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.3
203	24.7	0.0	37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2016
Delta R.T. 0.012 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

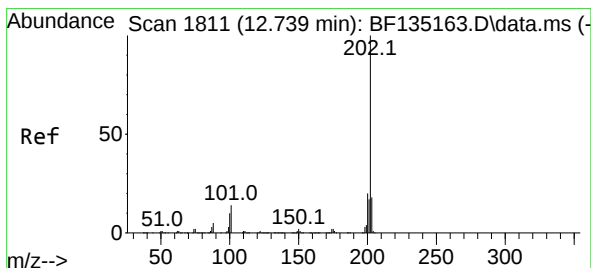
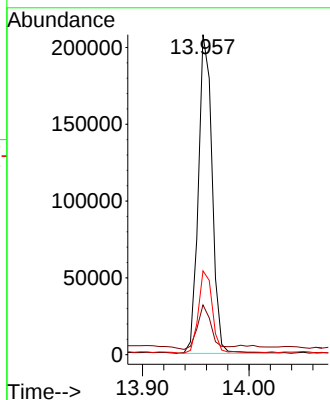
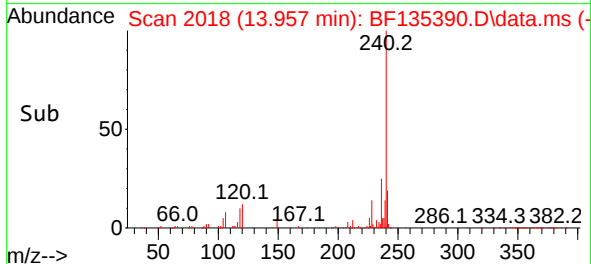
Instrument :
BNA_F
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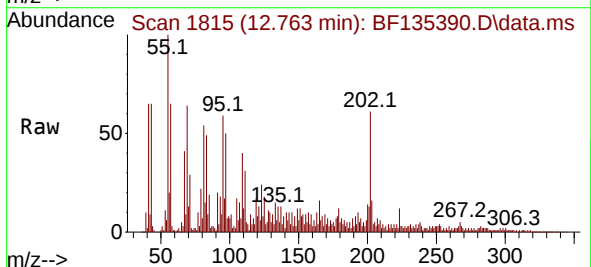
Tgt Ion:240 Resp: 186958
Ion Ratio Lower Upper
240 100
120 15.6 9.4 14.2
236 26.2 19.8 29.8

Manual Integrations
APPROVED

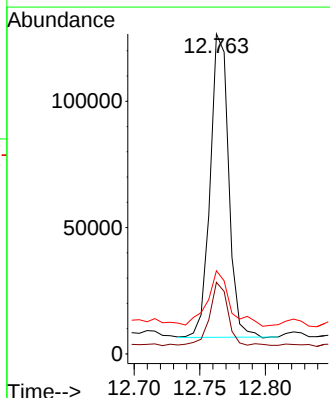
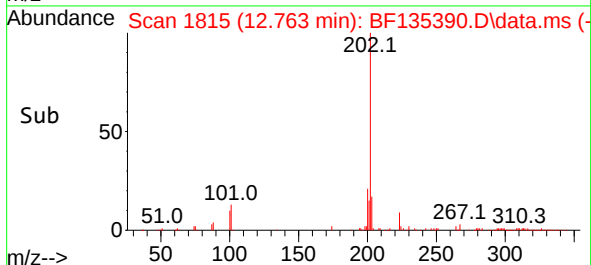
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023

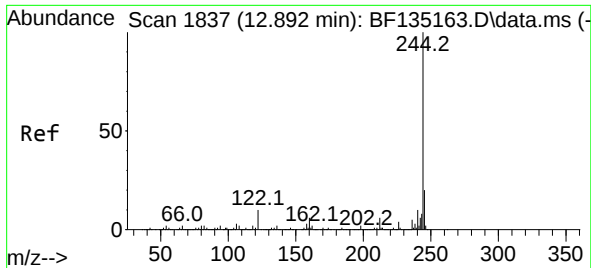


#78
Pyrene
Concen: 6.605 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.024 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19



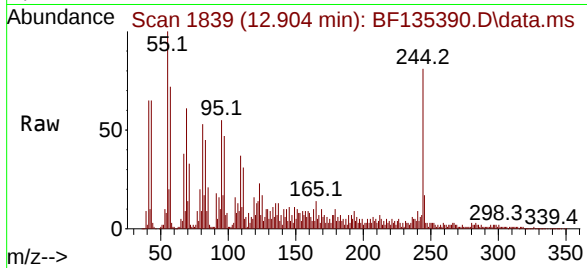
Tgt Ion:202 Resp: 117570
Ion Ratio Lower Upper
202 100
200 22.4 16.2 24.2
203 26.0 14.2 21.4





#79
 Terphenyl-d14
 Concen: 10.904 ng
 RT: 12.904 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BF135390.D
 Acq: 21 Sep 2023 20:19

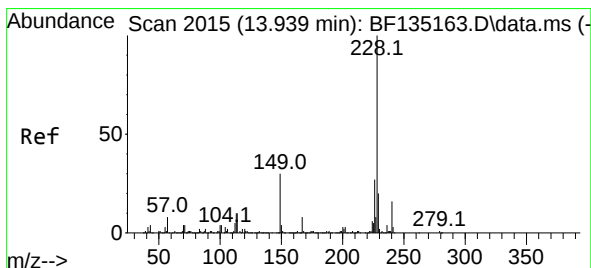
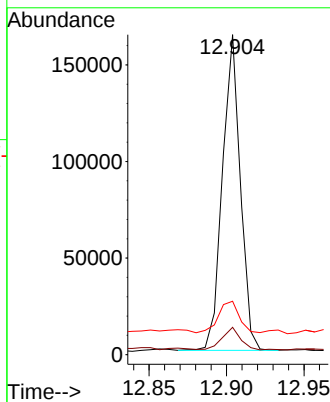
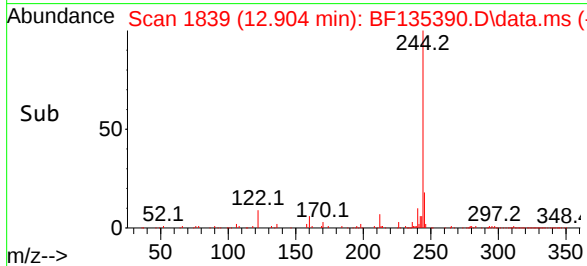
Instrument :
 BNA_F
 ClientSampleId :
 B103-06



Tgt Ion:244 Resp: 131500
 Ion Ratio Lower Upper
 244 100
 212 8.5 5.1 7.7
 122 16.7 7.9 11.9

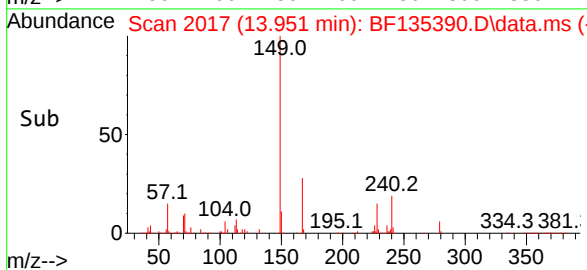
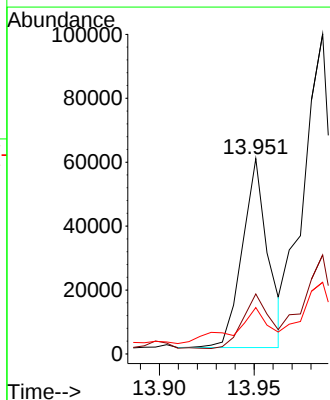
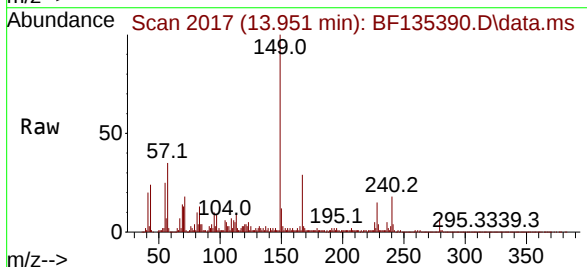
Manual Integrations
 APPROVED

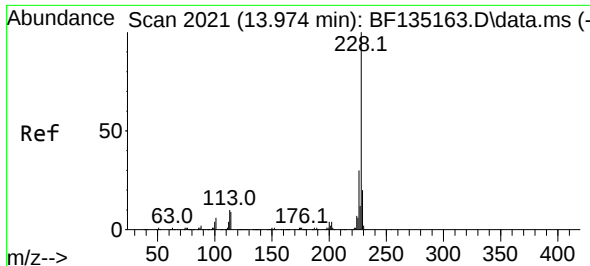
Reviewed By :Yogesh Patel 09/22/2023
 Supervised By :mohammad ahmed 09/27/2023



#81
 Benzo(a)anthracene
 Concen: 4.592 ng m
 RT: 13.951 min Scan# 2017
 Delta R.T. 0.012 min
 Lab File: BF135390.D
 Acq: 21 Sep 2023 20:19

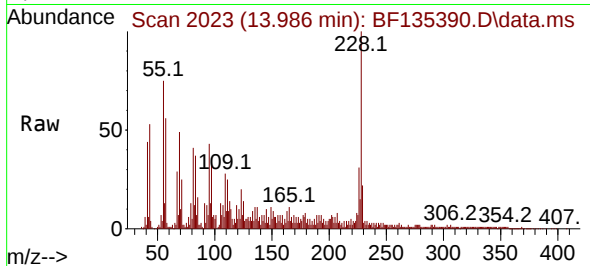
Tgt Ion:228 Resp: 55434
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.7 32.5
 229 23.8 15.8 23.8





#83
Chrysene
Concen: 8.473 ng
RT: 13.986 min Scan# 2016
Delta R.T. 0.012 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

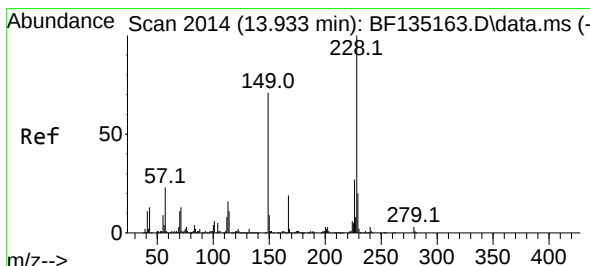
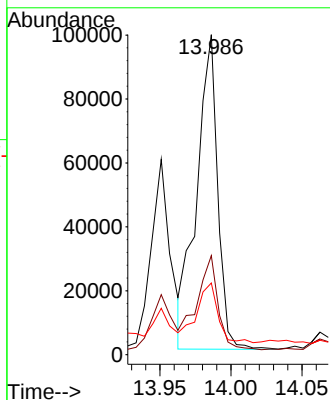
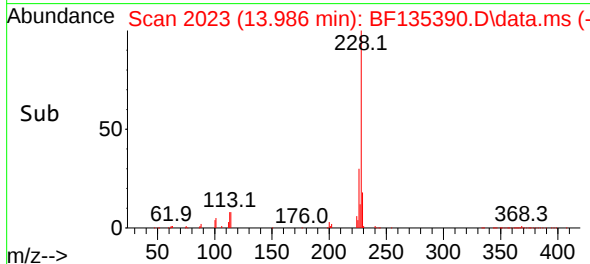
Instrument :
BNA_F
ClientSampleId :
B103-06



Tgt Ion:228 Resp: 101700
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 22.4 16.0 24.0

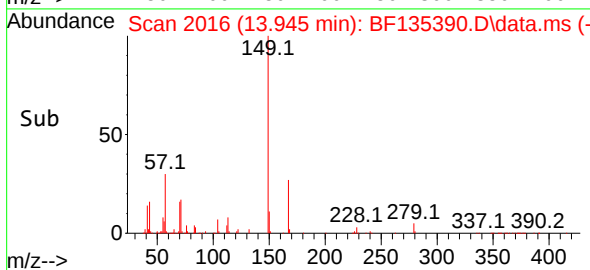
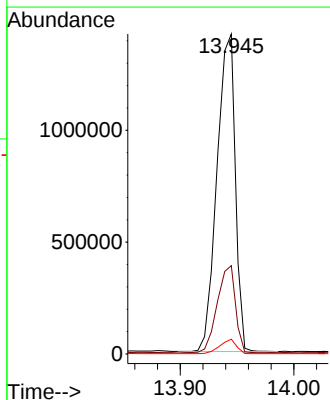
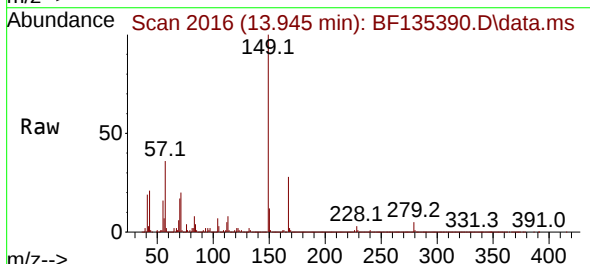
Manual Integrations
APPROVED

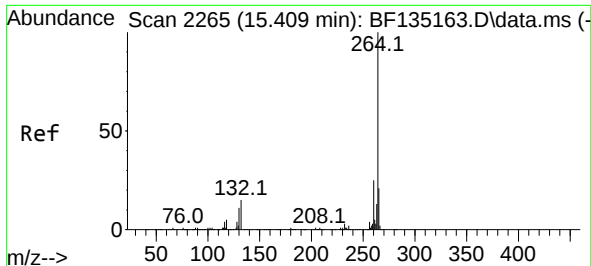
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#84
Bis(2-ethylhexyl)phthalate
Concen: 248.022 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.012 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

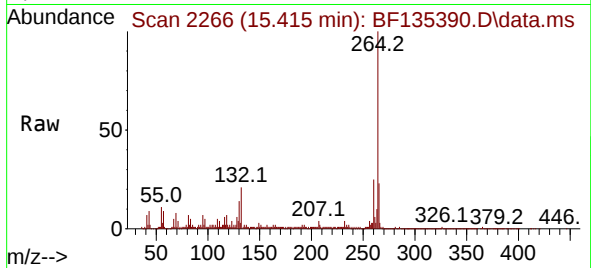
Tgt Ion:149 Resp: 1595045
Ion Ratio Lower Upper
149 100
167 27.6 21.9 32.9
279 4.6 3.3 4.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

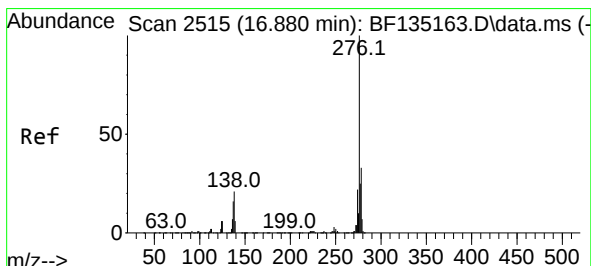
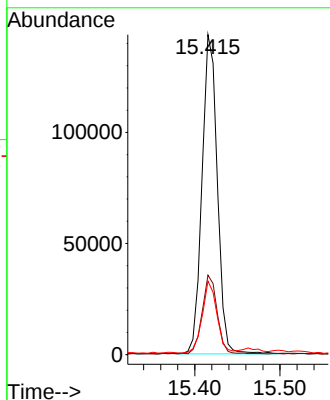
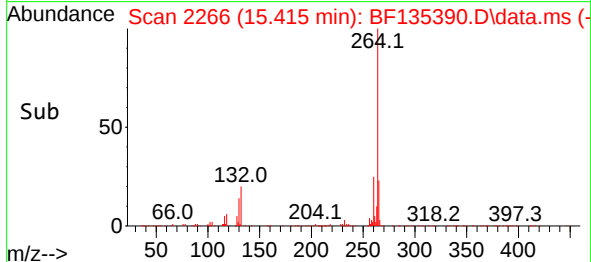
Instrument :
BNA_F
ClientSampleId :
B103-06



Tgt Ion:264 Resp: 17912
Ion Ratio Lower Upper
264 100
260 24.9 19.8 29.6
265 23.0 17.0 25.4

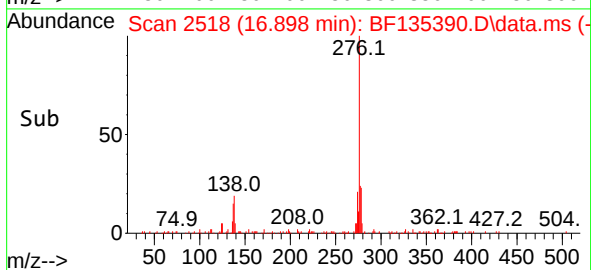
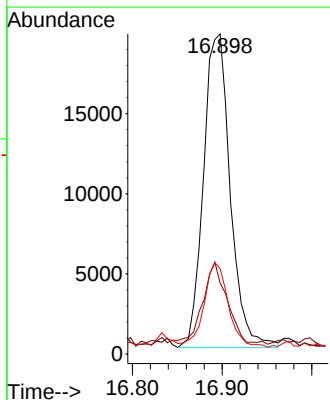
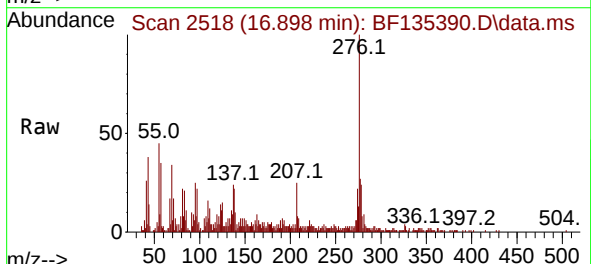
Manual Integrations
APPROVED

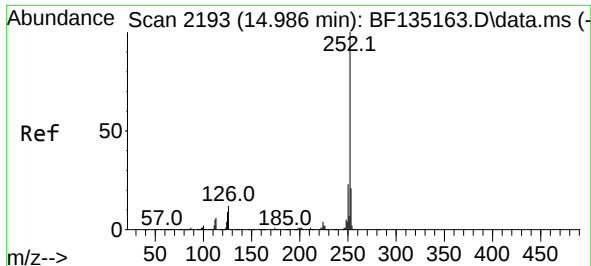
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.457 ng
RT: 16.898 min Scan# 2518
Delta R.T. 0.018 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

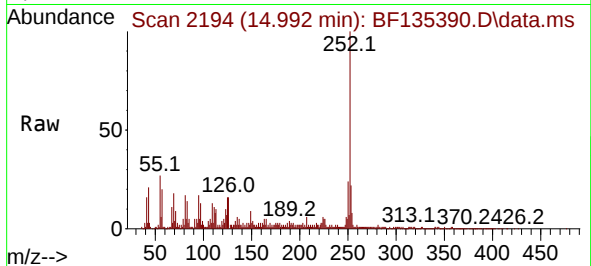
Tgt Ion:276 Resp: 40596
Ion Ratio Lower Upper
276 100
138 23.7 19.2 28.8
277 24.3 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 12.295 ng m
RT: 14.992 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

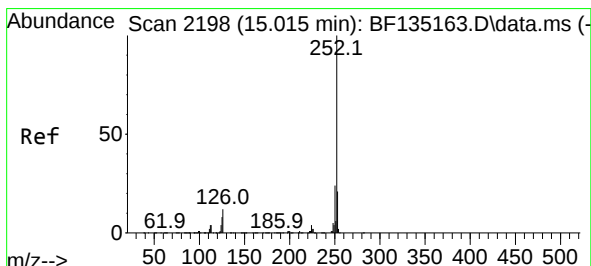
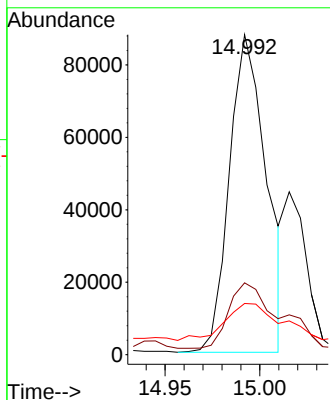
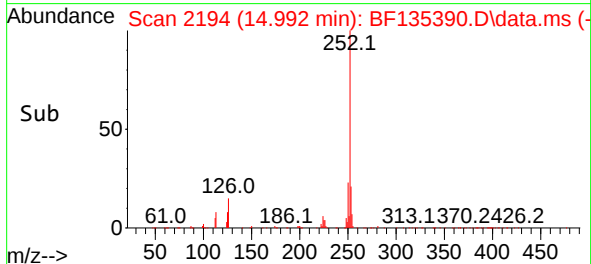
Instrument :
BNA_F
ClientSampleId :
B103-06



Tgt Ion:252 Resp: 119220
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 16.0 7.1 10.7

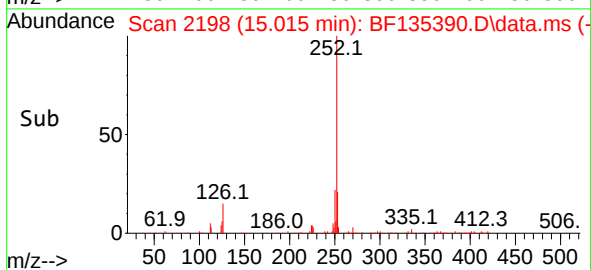
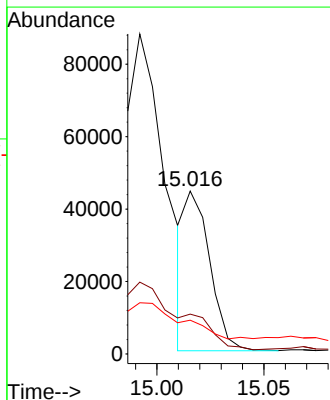
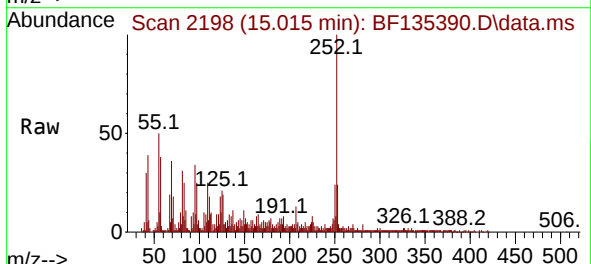
Manual Integrations
APPROVED

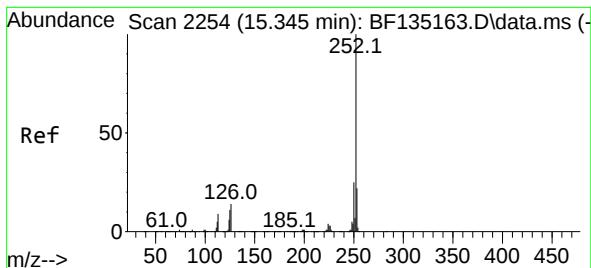
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#89
Benzo(k)fluoranthene
Concen: 3.736 ng m
RT: 15.015 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF135390.D
Acq: 21 Sep 2023 20:19

Tgt Ion:252 Resp: 35788
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.0
125 20.7 7.2 10.8





#90

Benzo(a)pyrene

Concen: 5.912 ng

RT: 15.357 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

Instrument :

BNA_F

ClientSampleId :

B103-06

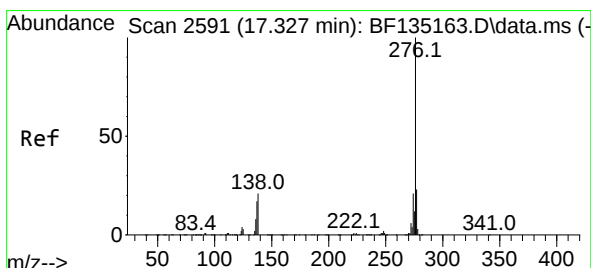
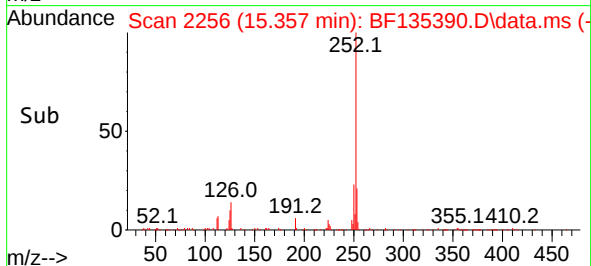
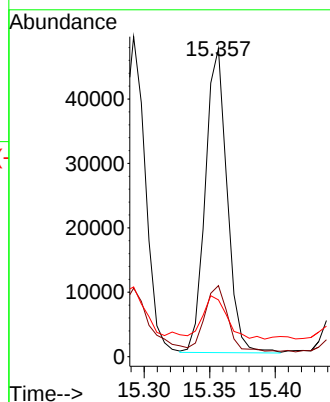
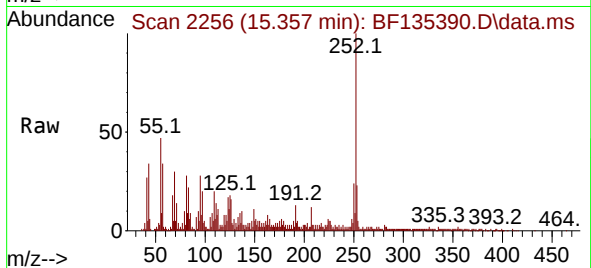
Tgt Ion:	252	Resp:	5467
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	18.4	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/22/2023

Supervised By :mohammad ahmed 09/27/2023



#92

Benzo(g,h,i)perylene

Concen: 3.855 ng

RT: 17.345 min Scan# 2594

Delta R.T. 0.018 min

Lab File: BF135390.D

Acq: 21 Sep 2023 20:19

Tgt Ion:	276	Resp:	38691
Ion Ratio	Lower	Upper	
276	100		
277	22.5	18.8	28.2
138	23.3	16.9	25.3

