

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080924\
 Data File : BN033316.D
 Acq On : 09 Aug 2024 13:17
 Operator : MA/JU
 Sample : P3515-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TT189D2-HYD-20240806

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel
 08/12/2024

Supervised By :mohammad
 ahmed
 08/12/2024

Quant Time: Aug 10 04:12:35 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 08 04:39:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.587	152	4596	0.400	ng	0.00
7) Naphthalene-d8	10.349	136	12652	0.400	ng	# 0.00
13) Acenaphthene-d10	14.212	164	6966	0.400	ng	0.00
19) Phenanthrene-d10	16.971	188	16671	0.400	ng	# 0.00
29) Chrysene-d12	21.175	240	15314	0.400	ng	0.00
35) Perylene-d12	23.358	264	15443	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.211	112	213	0.018	ng	0.00
5) Phenol-d6	6.764	99	27	0.002	ng	0.00
8) Nitrobenzene-d5	8.715	82	3365	0.436	ng	0.00
11) 2-Methylnaphthalene-d10	11.951	152	31	0.002	ng	0.00
14) 2,4,6-Tribromophenol	15.717	330	538	0.191	ng	0.00
15) 2-Fluorobiphenyl	12.844	172	12155	0.463	ng	0.00
27) Fluoranthene-d10	19.007	212	8072	0.176	ng	0.00
31) Terphenyl-d14	19.625	244	12971	0.491	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.196	88	4028	0.792	ng	# 87
22) Hexachlorobenzene	16.275	284	236	0.022	ng	97
25) Phenanthrene	17.008	178	1048	0.022	ng	# 89
28) Fluoranthene	19.035	202	1673	0.027	ng	97
30) Pyrene	19.402	202	1509	0.025	ng	99
32) Benzo(a)anthracene	21.157	228	1712	0.029	ng	93
33) Chrysene	21.210	228	1909m	0.033	ng	
34) Bis(2-ethylhexyl)phtha...	21.139	149	2498	0.081	ng	98
36) Indeno(1,2,3-cd)pyrene	25.539	276	2261	0.033	ng	97
37) Benzo(b)fluoranthene	22.709	252	2341	0.041	ng	# 62
38) Benzo(k)fluoranthene	22.753	252	2326	0.042	ng	# 61
40) Dibenzo(a,h)anthracene	25.565	278	1595	0.030	ng	# 59
41) Benzo(g,h,i)perylene	26.191	276	1877	0.032	ng	# 73

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080924\
Data File : BN033316.D
Acq On : 09 Aug 2024 13:17
Operator : MA/JU
Sample : P3515-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

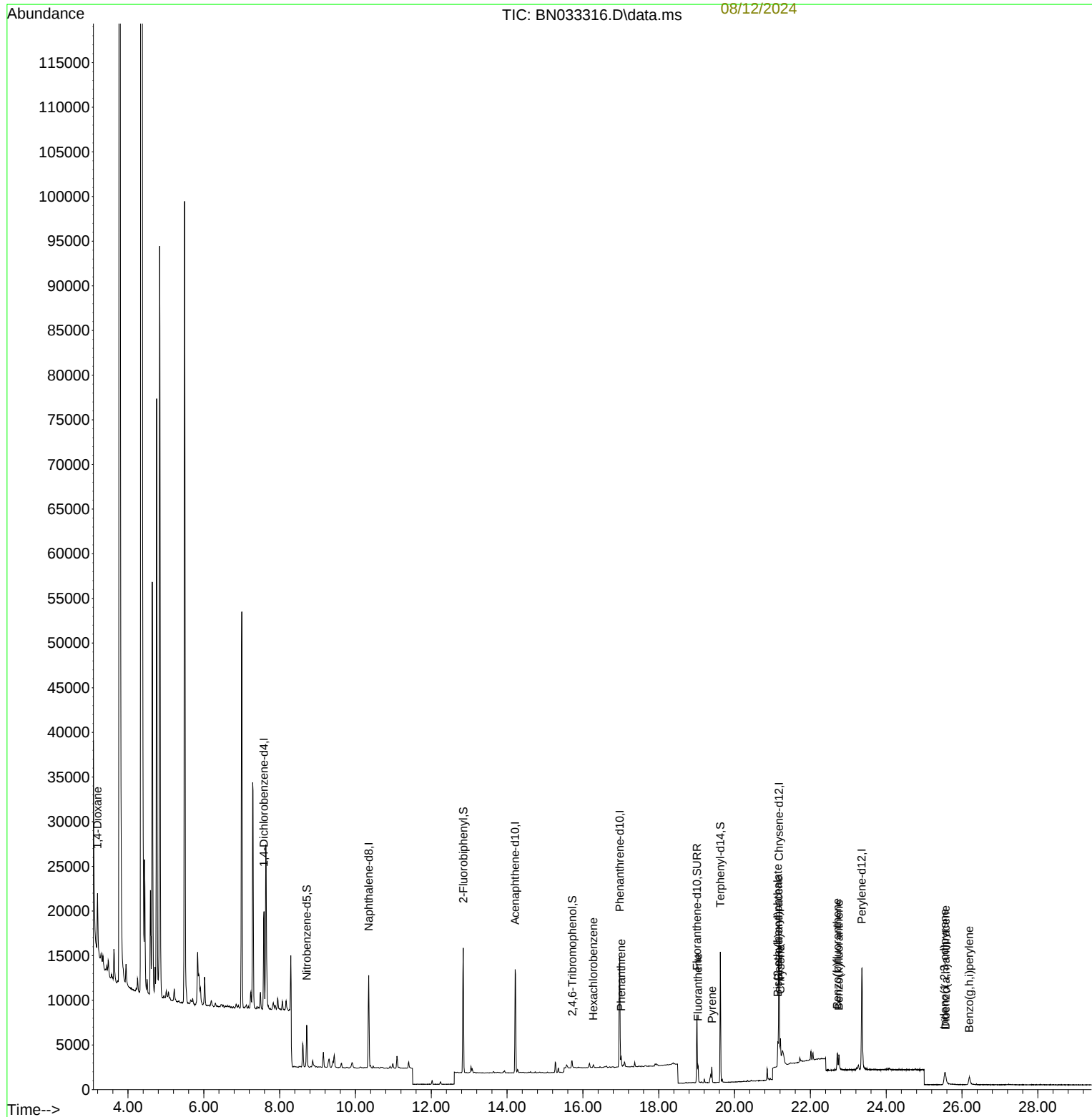
Instrument :
BNA_N
ClientSampleId :
TT189D2-HYD-20240806

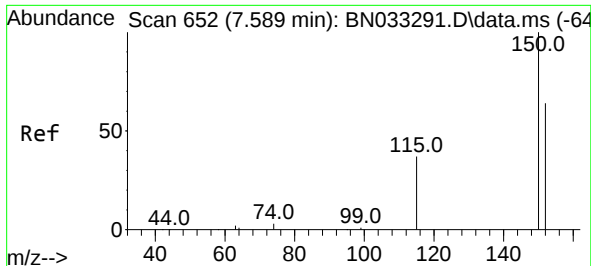
Quant Time: Aug 10 04:12:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 08 04:39:01 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
08/12/2024

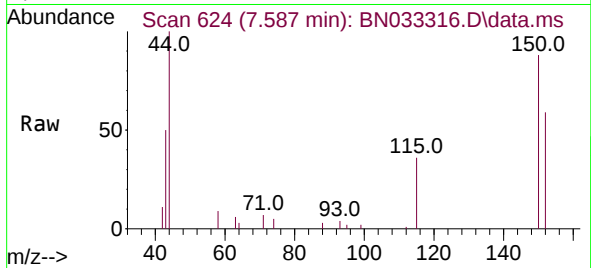
Supervised By :mohammad
ahmed
08/12/2024





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.587 min Scan# 61
 Delta R.T. -0.002 min
 Lab File: BN033316.D
 Acq: 09 Aug 2024 13:17

Instrument :
 BNA_N
 ClientSampleId :
 TT189D2-HYD-20240806

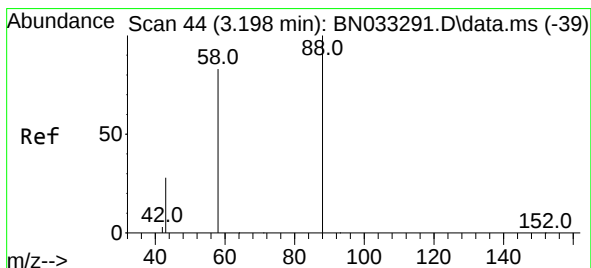
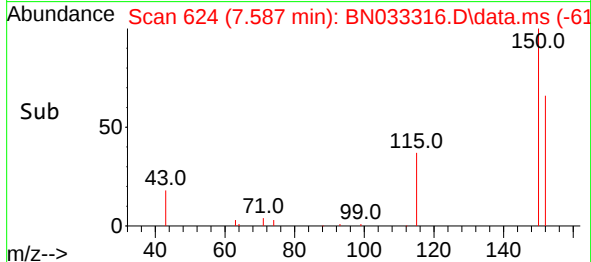
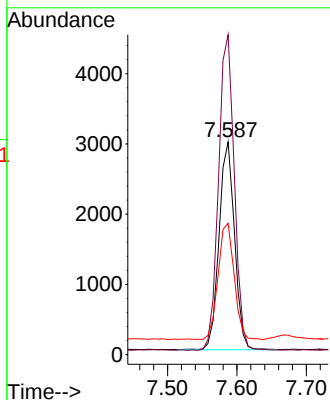


Tgt Ion:152 Resp: 4590
 Ion Ratio Lower Upper
 152 100
 150 150.4 120.7 181.1
 115 61.8 55.8 83.8

Manual Integrations
 APPROVED

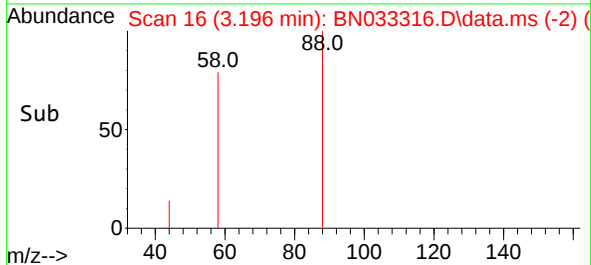
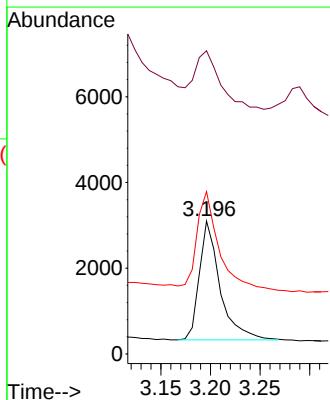
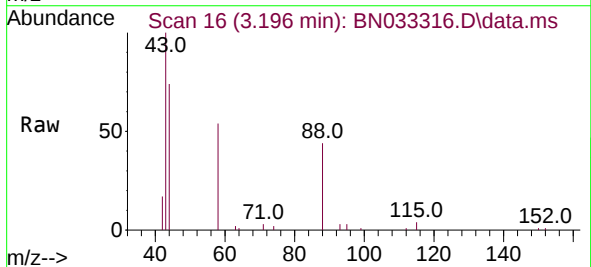
Reviewed By :Yogesh
 Patel
 08/12/2024

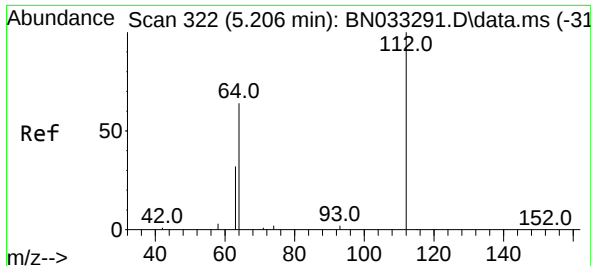
Supervised By :mohammad
 ahmed
 08/12/2024



#2
 1,4-Dioxane
 Concen: 0.792 ng
 RT: 3.196 min Scan# 16
 Delta R.T. -0.002 min
 Lab File: BN033316.D
 Acq: 09 Aug 2024 13:17

Tgt Ion: 88 Resp: 4028
 Ion Ratio Lower Upper
 88 100
 43 60.5 37.0 55.6#
 58 88.9 65.1 97.7





#4
2-Fluorophenol
Concen: 0.018 ng
RT: 5.211 min Scan# 295
Delta R.T. 0.005 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

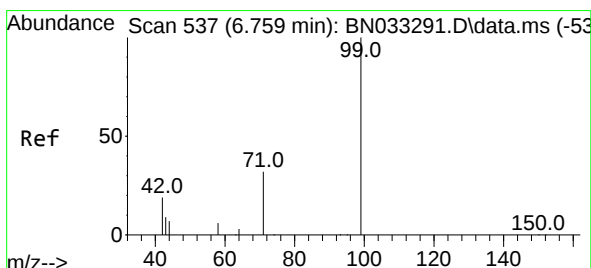
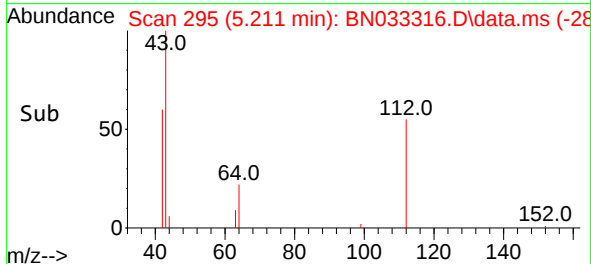
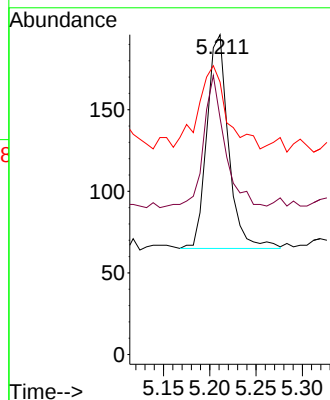
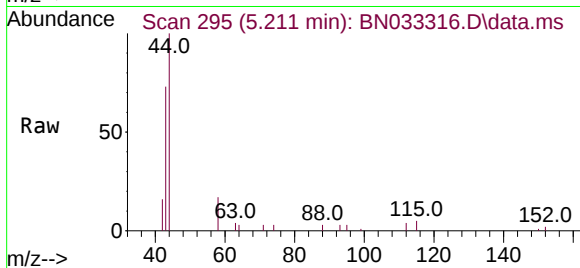
Instrument :
BNA_N
ClientSampleId :
TT189D2-HYD-20240806

Tgt Ion: 112 Resp: 211
Ion Ratio Lower Upper
112 100
64 61.5 48.7 73.1
63 50.7 25.4 38.2

Manual Integrations
APPROVED

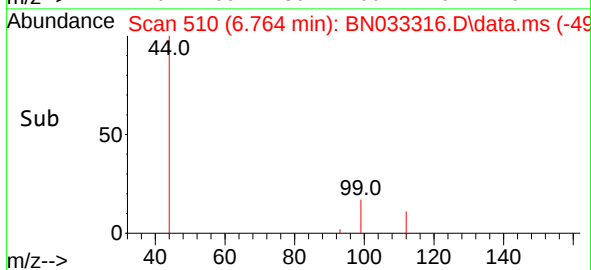
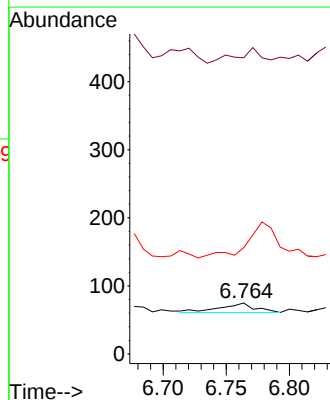
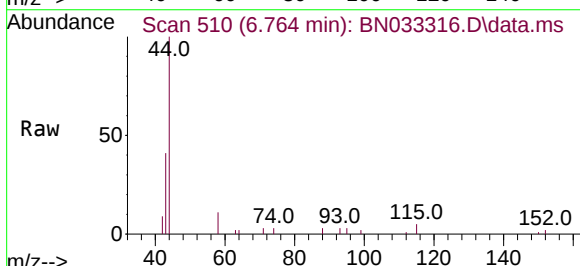
Reviewed By :Yogesh
Patel
08/12/2024

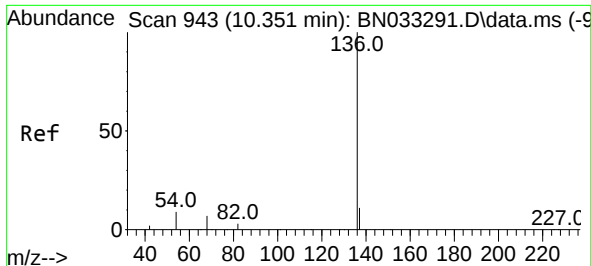
Supervised By :mohammad
ahmed
08/12/2024



#5
Phenol-d6
Concen: 0.002 ng
RT: 6.764 min Scan# 510
Delta R.T. 0.005 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

Tgt Ion: 99 Resp: 27
Ion Ratio Lower Upper
99 100
42 111.1 19.3 28.9#
71 344.4 27.6 41.4#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.349 min Scan# 915
Delta R.T. -0.002 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

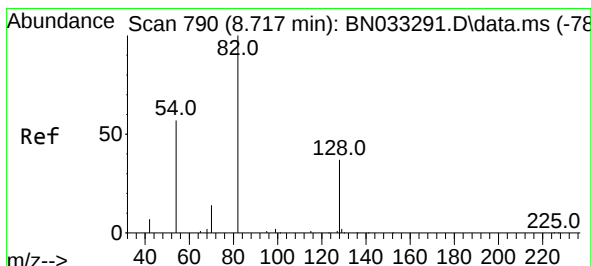
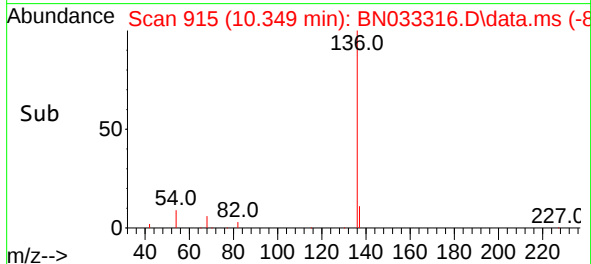
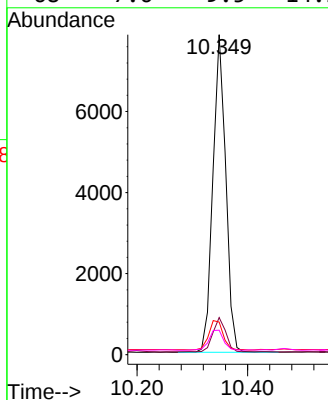
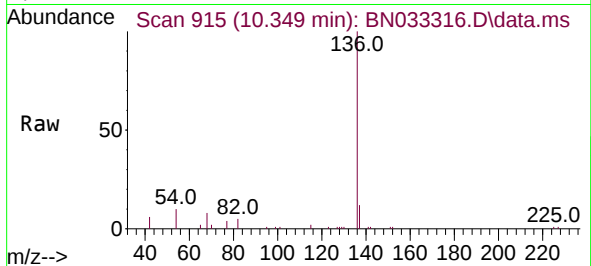
Instrument :
BNA_N
ClientSampleId :
TT189D2-HYD-20240806

Tgt Ion:	136	Resp:	1265
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.9	14.9
54	10.2	11.4	17.2
68	7.6	9.5	14.3

Manual Integrations
APPROVED

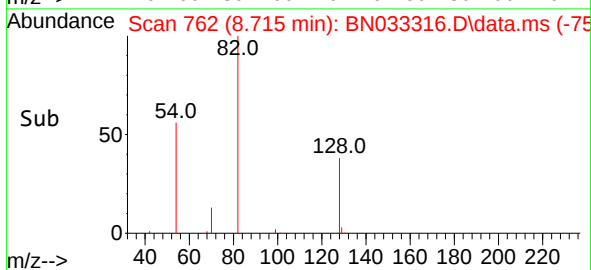
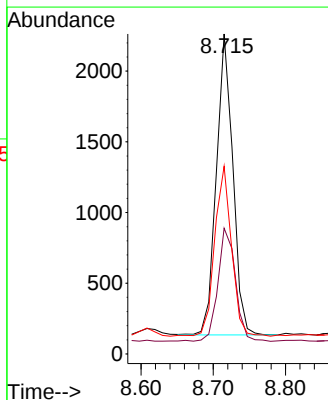
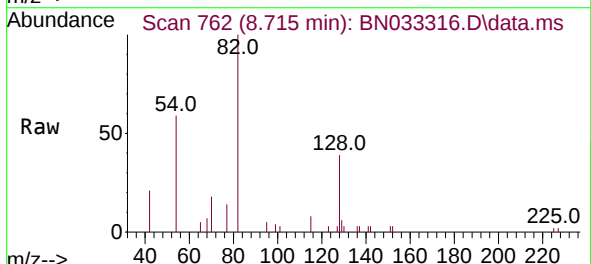
Reviewed By :Yogesh
Patel
08/12/2024

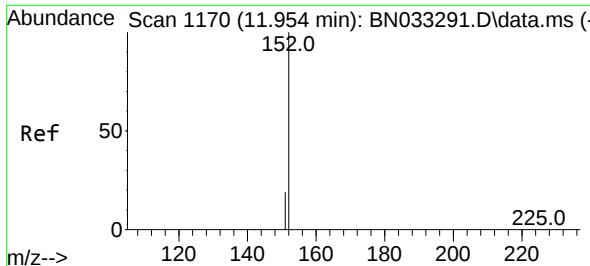
Supervised By :mohammad
ahmed
08/12/2024



#8
Nitrobenzene-d5
Concen: 0.436 ng
RT: 8.715 min Scan# 762
Delta R.T. -0.002 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

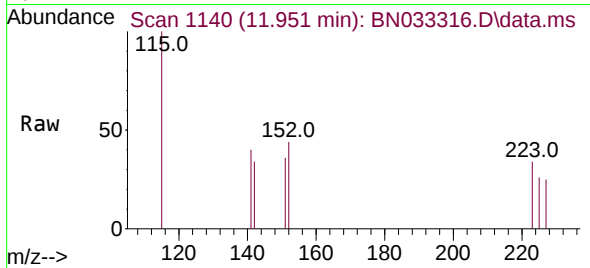
Tgt Ion:	82	Resp:	3365
Ion Ratio	Lower	Upper	
82	100		
128	39.3	29.4	44.2
54	58.6	50.0	75.0





#11
2-Methylnaphthalene-d10
Concen: 0.002 ng
RT: 11.951 min Scan# 1170
Delta R.T. -0.003 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

Instrument :
BNA_N
ClientSampleId :
TT189D2-HYD-20240806

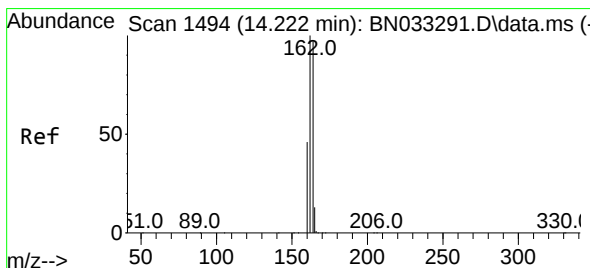
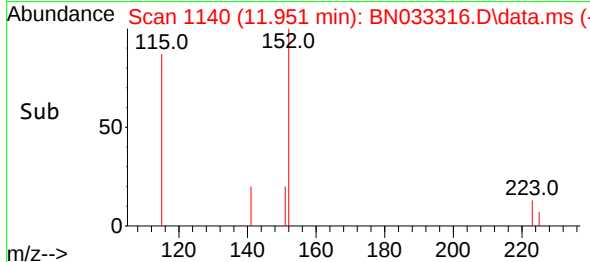
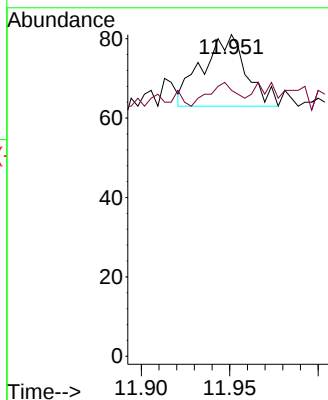


Tgt Ion:152 Resp: 31
Ion Ratio Lower Upper
152 100
151 22.6 16.7 25.1

Manual Integrations
APPROVED

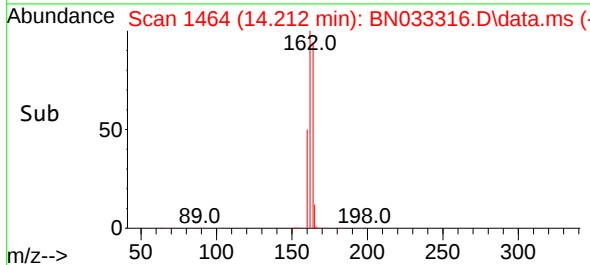
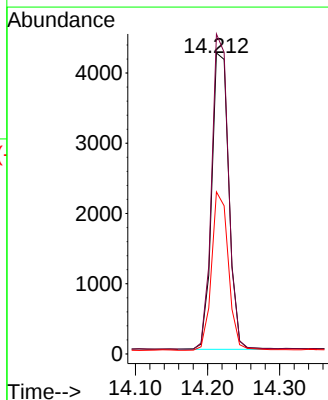
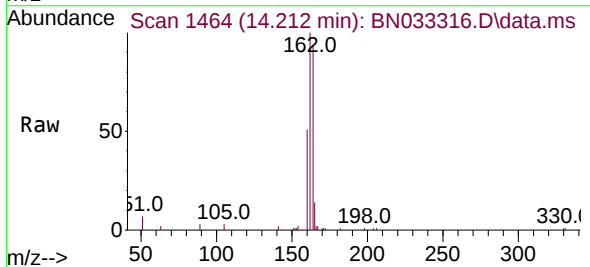
Reviewed By :Yogesh
Patel
08/12/2024

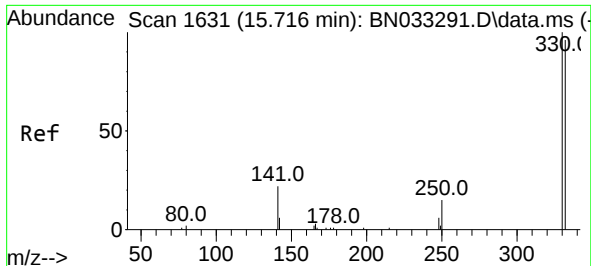
Supervised By :mohammad
ahmed
08/12/2024



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.212 min Scan# 1464
Delta R.T. -0.010 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

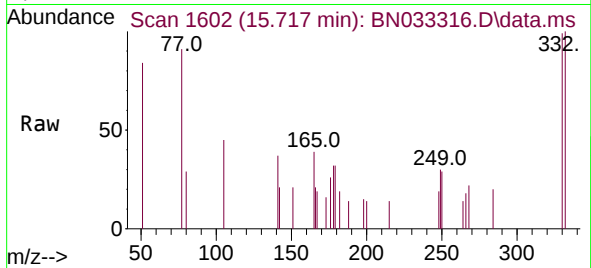
Tgt Ion:164 Resp: 6966
Ion Ratio Lower Upper
164 100
162 106.3 82.6 124.0
160 53.8 38.2 57.4





#14
2,4,6-Tribromophenol
Concen: 0.191 ng
RT: 15.717 min Scan# 1602
Delta R.T. 0.001 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

Instrument :
BNA_N
ClientSampleId :
TT189D2-HYD-20240806

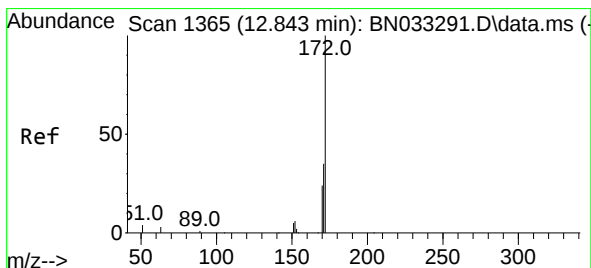
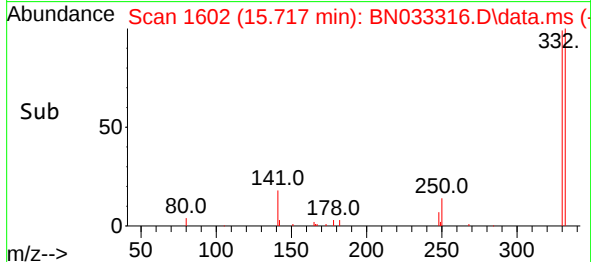
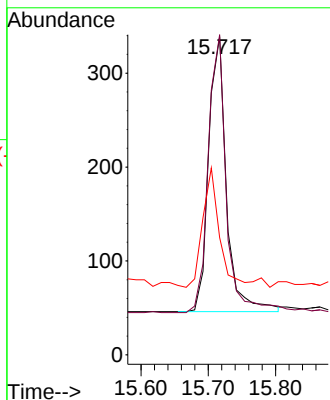


Tgt Ion:330 Resp: 538
Ion Ratio Lower Upper
330 100
332 102.2 75.6 113.4
141 42.4 31.0 46.4

Manual Integrations
APPROVED

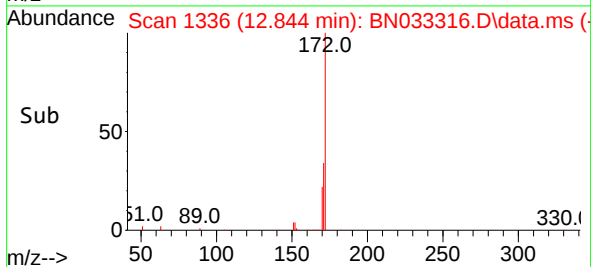
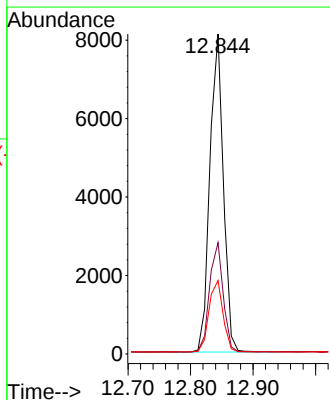
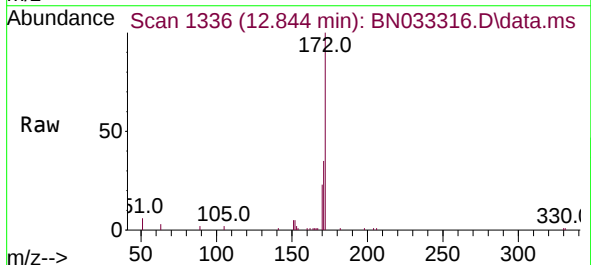
Reviewed By :Yogesh
Patel
08/12/2024

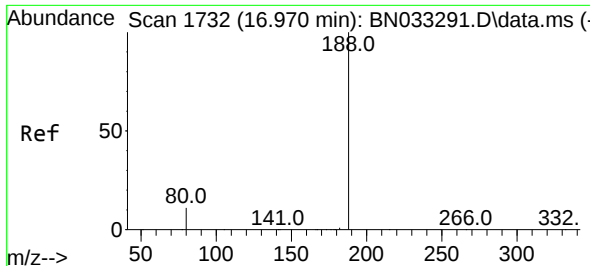
Supervised By :mohammad
ahmed
08/12/2024



#15
2-Fluorobiphenyl
Concen: 0.463 ng
RT: 12.844 min Scan# 1336
Delta R.T. 0.001 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

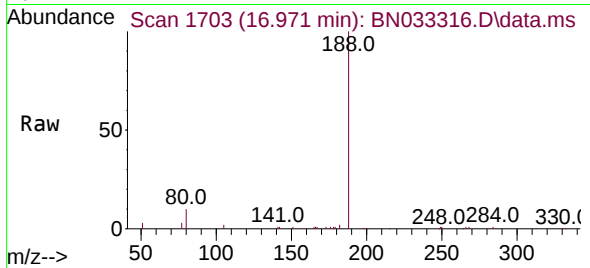
Tgt Ion:172 Resp: 12155
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 22.9 19.4 29.2





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1667
Delta R.T. 0.001 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

Instrument :
BNA_N
ClientSampleId :
TT189D2-HYD-20240806

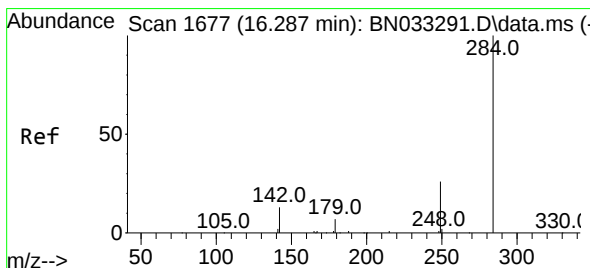
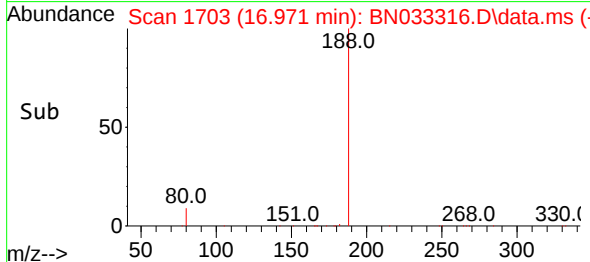
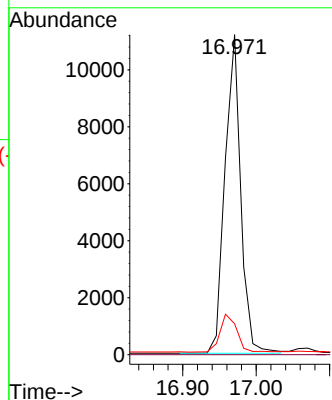


Tgt Ion:188 Resp: 1667
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.6 10.5 15.7

Manual Integrations
APPROVED

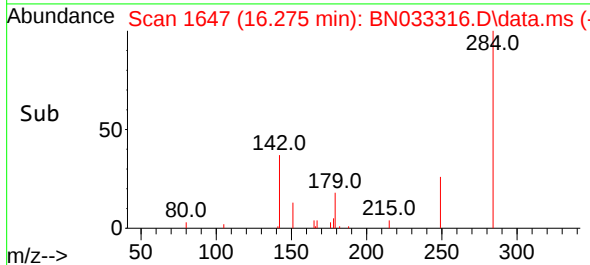
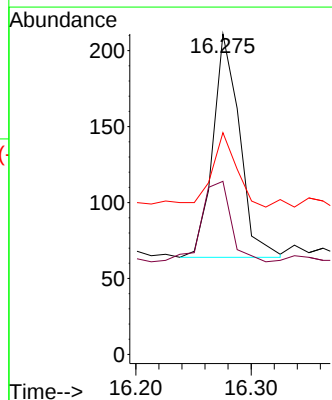
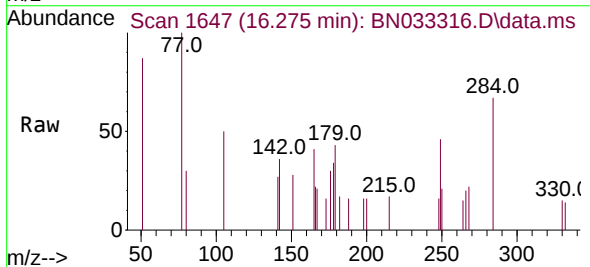
Reviewed By :Yogesh
Patel
08/12/2024

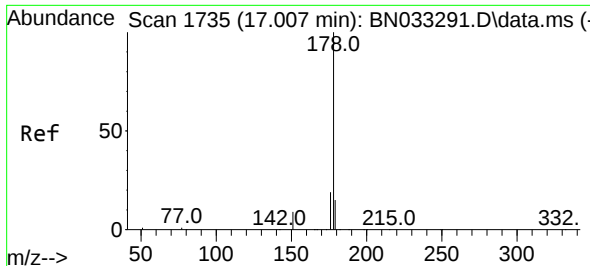
Supervised By :mohammad
ahmed
08/12/2024



#22
Hexachlorobenzene
Concen: 0.022 ng
RT: 16.275 min Scan# 1647
Delta R.T. -0.011 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

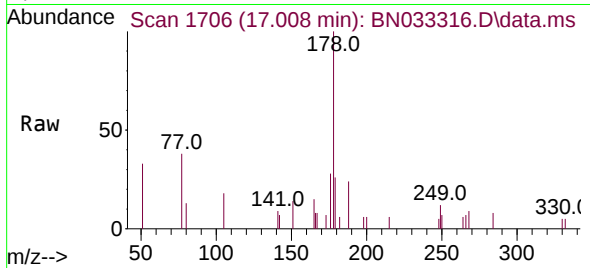
Tgt Ion:284 Resp: 236
Ion Ratio Lower Upper
284 100
142 39.8 30.6 45.8
249 32.6 24.6 36.8





#25
Phenanthrene
Concen: 0.022 ng
RT: 17.008 min Scan# 1735
Delta R.T. 0.001 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

Instrument :
BNA_N
ClientSampleId :
TT189D2-HYD-20240806

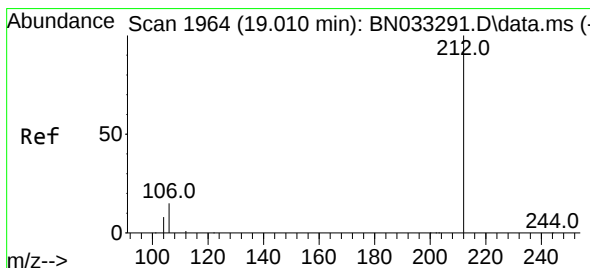
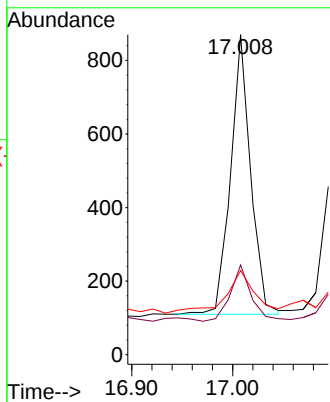
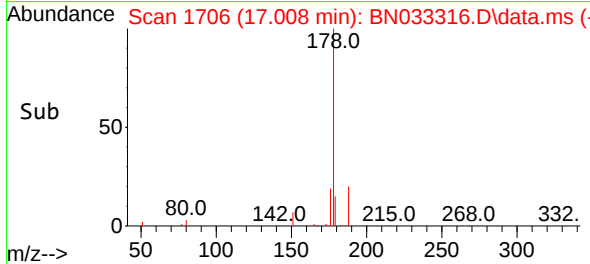


Tgt Ion:178 Resp: 1048
Ion Ratio Lower Upper
178 100
176 21.3 15.2 22.8
179 22.2 12.0 18.0

Manual Integrations
APPROVED

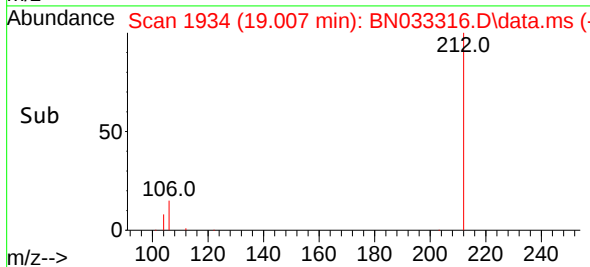
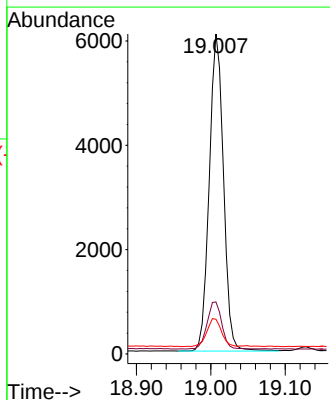
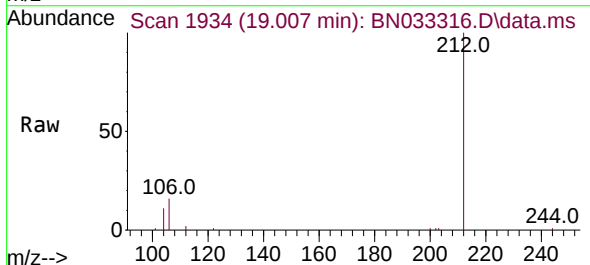
Reviewed By :Yogesh
Patel
08/12/2024

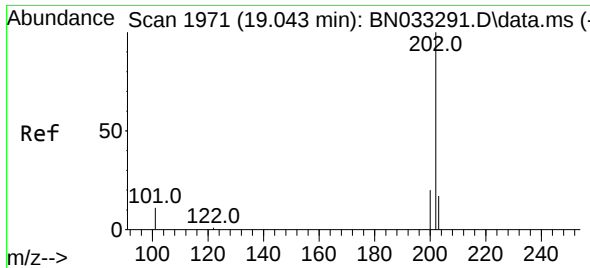
Supervised By :mohammad
ahmed
08/12/2024



#27
Fluoranthene-d10
Concen: 0.176 ng
RT: 19.007 min Scan# 1934
Delta R.T. -0.004 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

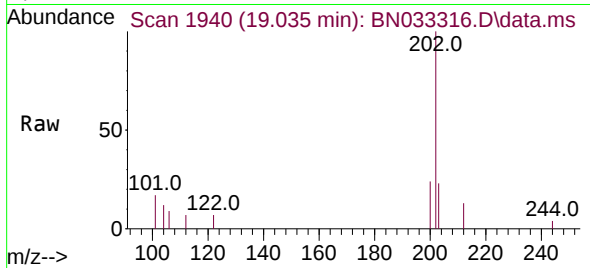
Tgt Ion:212 Resp: 8072
Ion Ratio Lower Upper
212 100
106 15.4 12.2 18.4
104 9.1 6.9 10.3





#28
Fluoranthene
Concen: 0.027 ng
RT: 19.035 min Scan# 1971
Delta R.T. -0.008 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

Instrument :
BNA_N
ClientSampleId :
TT189D2-HYD-20240806

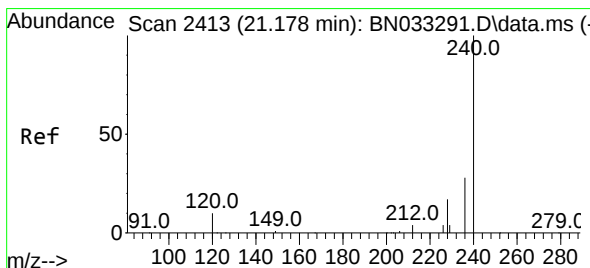
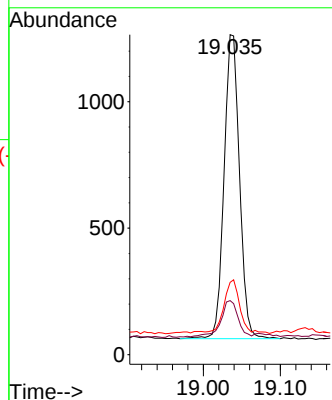


Tgt Ion:202 Resp: 1673
Ion Ratio Lower Upper
202 100
101 13.6 9.4 14.0
203 18.1 13.8 20.6

Manual Integrations
APPROVED

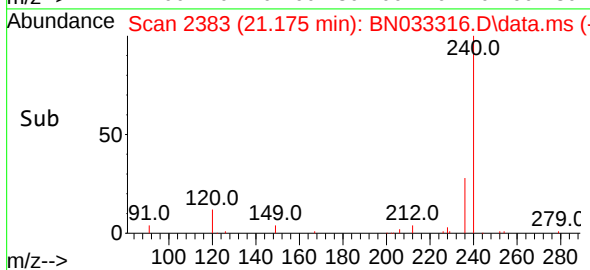
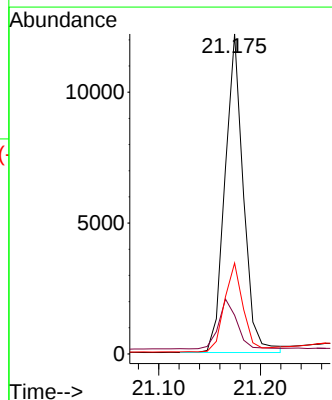
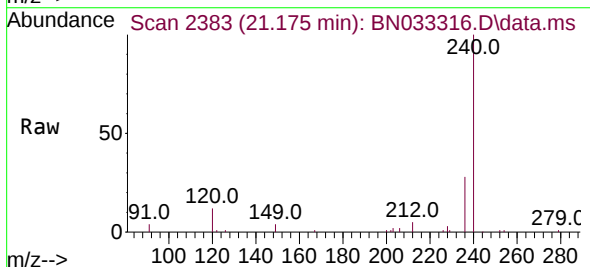
Reviewed By :Yogesh
Patel
08/12/2024

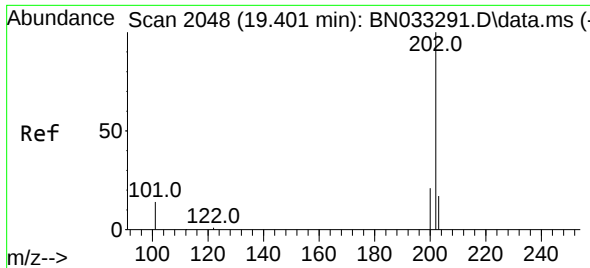
Supervised By :mohammad
ahmed
08/12/2024



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.175 min Scan# 2383
Delta R.T. -0.004 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

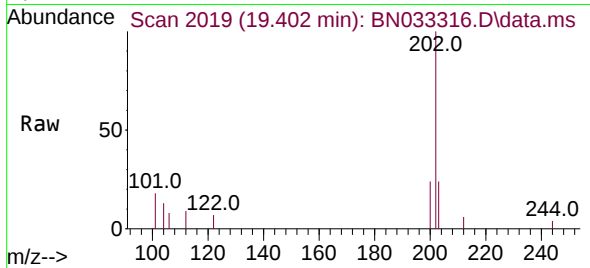
Tgt Ion:240 Resp: 15314
Ion Ratio Lower Upper
240 100
120 12.1 9.0 13.6
236 28.4 22.4 33.6





#30
Pyrene
Concen: 0.025 ng
RT: 19.402 min Scan# 2048
Delta R.T. 0.001 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

Instrument :
BNA_N
ClientSampleId :
TT189D2-HYD-20240806

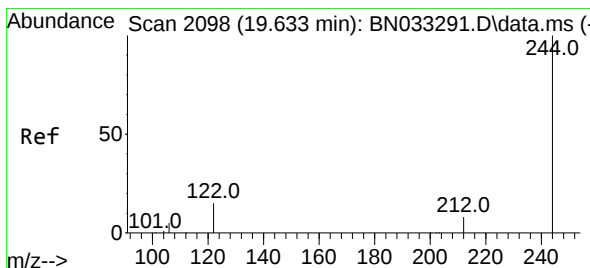
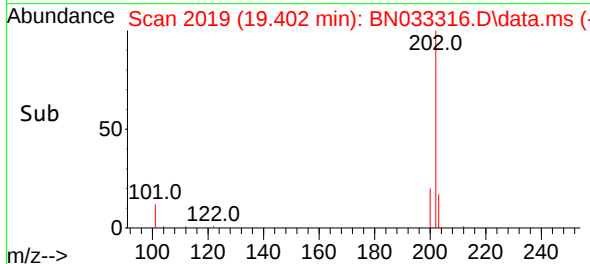
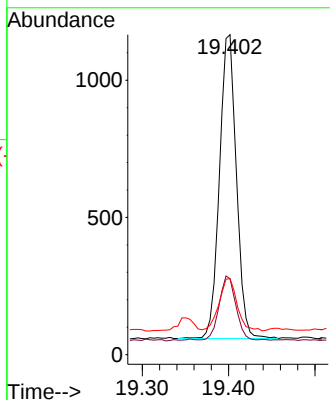


Tgt Ion:202 Resp: 1509
Ion Ratio Lower Upper
202 100
200 20.5 16.7 25.1
203 18.3 14.2 21.4

Manual Integrations
APPROVED

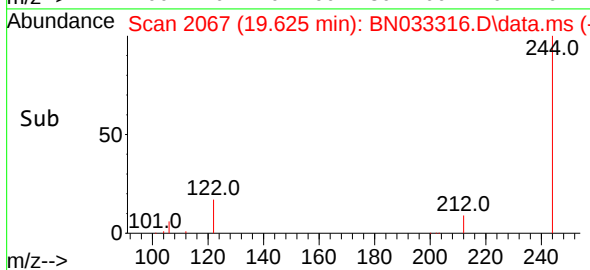
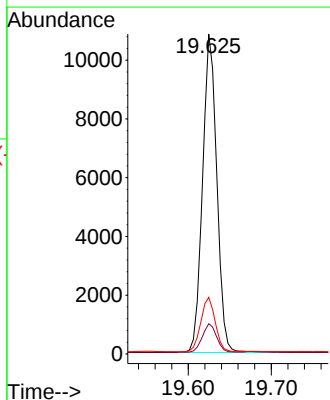
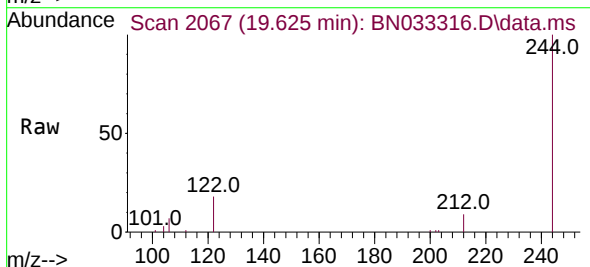
Reviewed By :Yogesh
Patel
08/12/2024

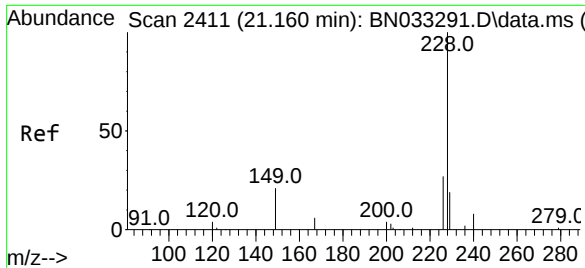
Supervised By :mohammad
ahmed
08/12/2024



#31
Terphenyl-d14
Concen: 0.491 ng
RT: 19.625 min Scan# 2067
Delta R.T. -0.008 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

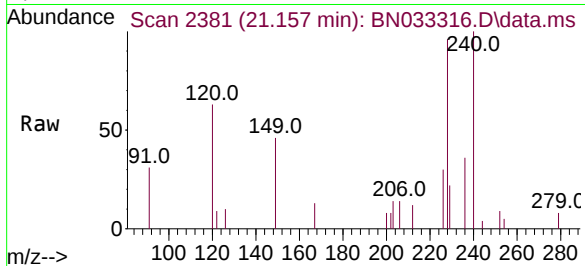
Tgt Ion:244 Resp: 12971
Ion Ratio Lower Upper
244 100
212 9.5 7.2 10.8
122 17.7 12.7 19.1





#32
Benzo(a)anthracene
Concen: 0.029 ng
RT: 21.157 min Scan# 2115
Delta R.T. -0.004 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

Instrument :
BNA_N
ClientSampleId :
TT189D2-HYD-20240806

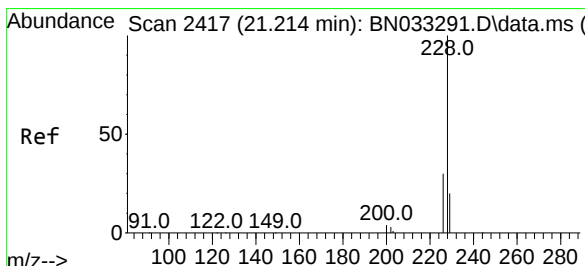
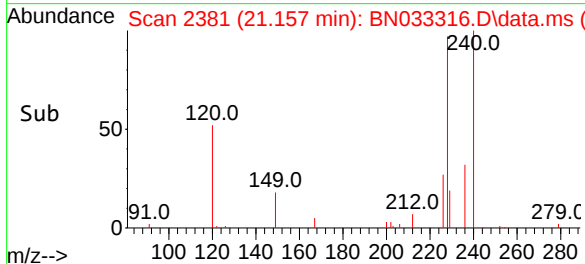
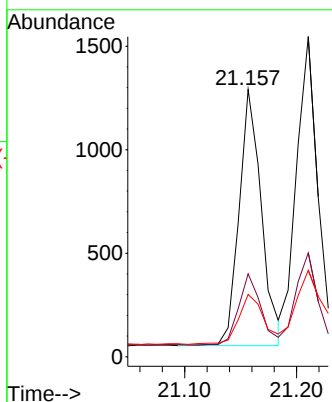


Tgt Ion:228 Resp: 171
Ion Ratio Lower Upper
228 100
226 31.1 22.1 33.1
229 23.3 15.6 23.4

Manual Integrations
APPROVED

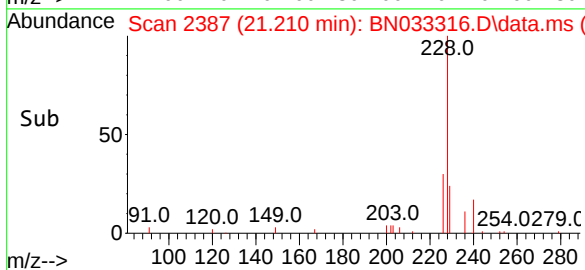
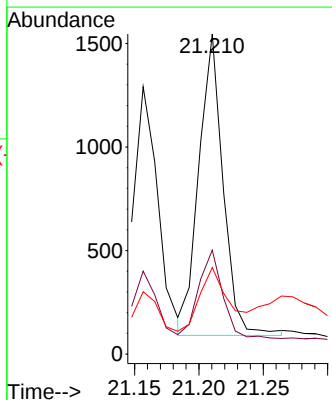
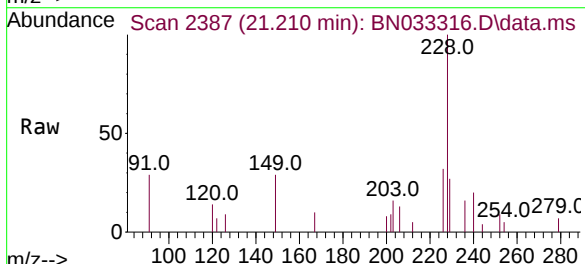
Reviewed By :Yogesh
Patel
08/12/2024

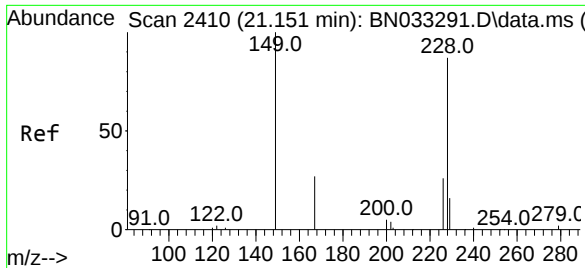
Supervised By :mohammad
ahmed
08/12/2024



#33
Chrysene
Concen: 0.033 ng m
RT: 21.210 min Scan# 2387
Delta R.T. -0.004 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

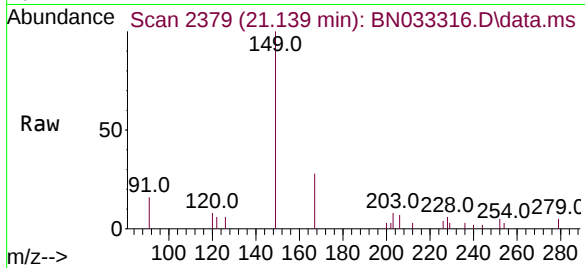
Tgt Ion:228 Resp: 1909
Ion Ratio Lower Upper
228 100
226 32.5 23.8 35.8
229 27.0 15.8 23.8#





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.081 ng
RT: 21.139 min Scan# 2119
Delta R.T. -0.013 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

Instrument :
BNA_N
ClientSampleId :
TT189D2-HYD-20240806

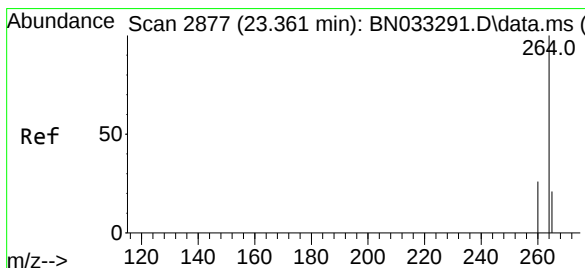
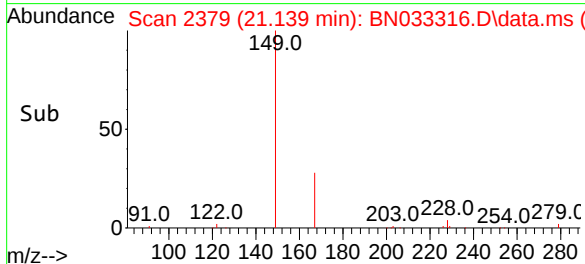
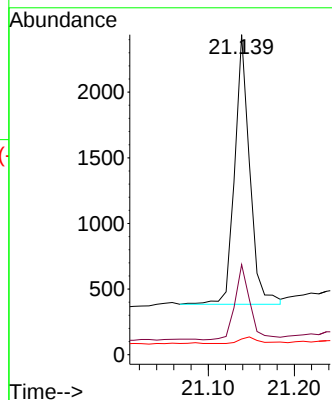


Tgt Ion:149 Resp: 2498
Ion Ratio Lower Upper
149 100
167 27.9 21.6 32.4
279 3.0 2.6 4.0

Manual Integrations
APPROVED

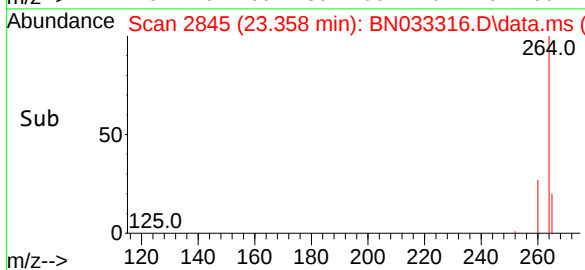
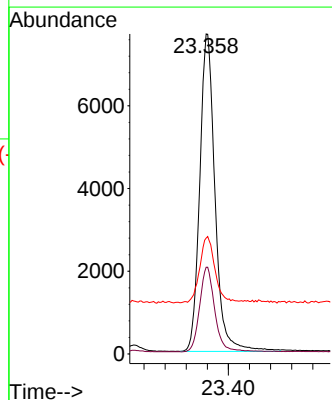
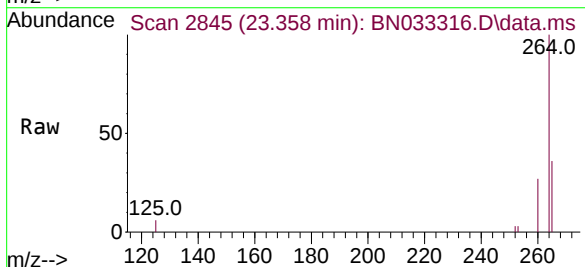
Reviewed By :Yogesh
Patel
08/12/2024

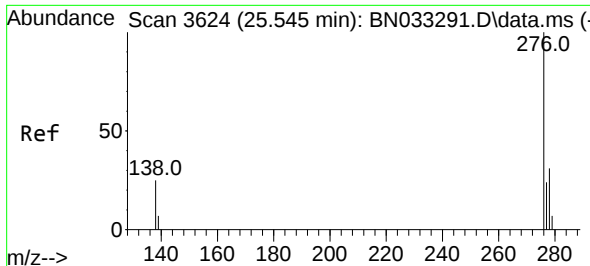
Supervised By :mohammad
ahmed
08/12/2024



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.358 min Scan# 2845
Delta R.T. -0.004 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

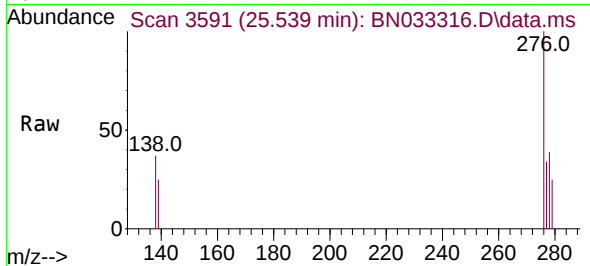
Tgt Ion:264 Resp: 15443
Ion Ratio Lower Upper
264 100
260 27.1 21.4 32.0
265 36.2 22.4 33.6#





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.033 ng
RT: 25.539 min Scan# 31
Delta R.T. -0.006 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

Instrument :
BNA_N
ClientSampleId :
TT189D2-HYD-20240806

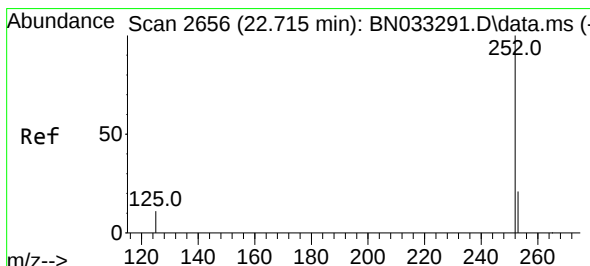
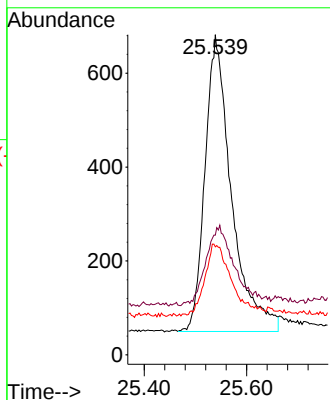


Tgt Ion:276 Resp: 226
Ion Ratio Lower Upper
276 100
138 26.4 22.7 34.1
277 24.0 19.8 29.8

Manual Integrations
APPROVED

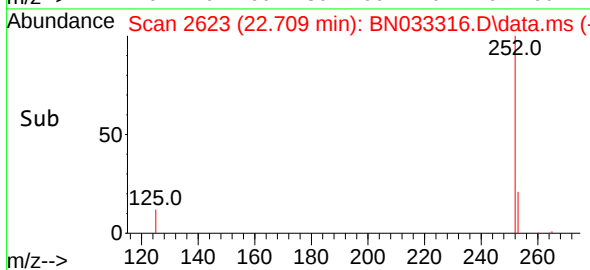
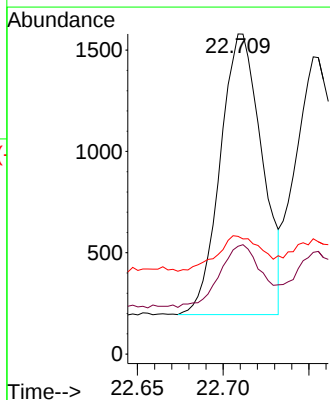
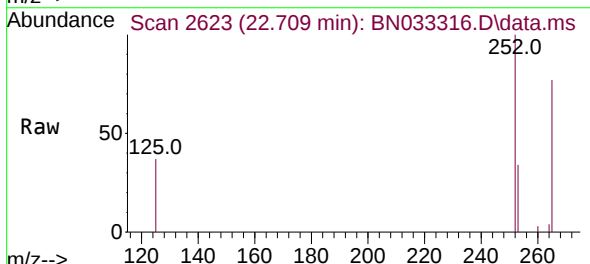
Reviewed By :Yogesh
Patel
08/12/2024

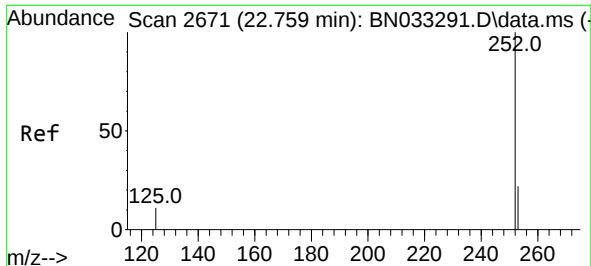
Supervised By :mohammad
ahmed
08/12/2024



#37
Benzo(b)fluoranthene
Concen: 0.041 ng
RT: 22.709 min Scan# 2623
Delta R.T. -0.006 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

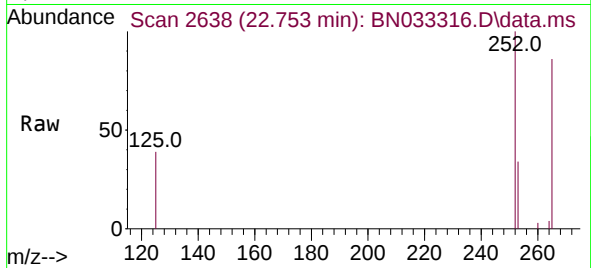
Tgt Ion:252 Resp: 2341
Ion Ratio Lower Upper
252 100
253 33.7 17.8 26.6#
125 36.8 10.0 15.0#





#38
Benzo(k)fluoranthene
Concen: 0.042 ng
RT: 22.753 min Scan# 2638
Delta R.T. -0.006 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

Instrument :
BNA_N
ClientSampleId :
TT189D2-HYD-20240806

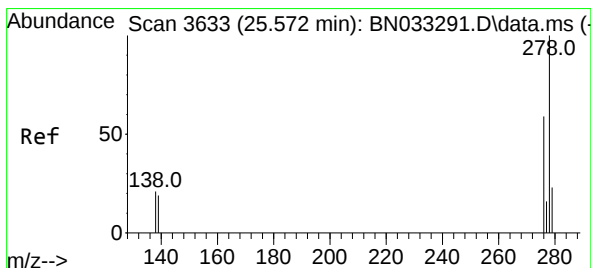
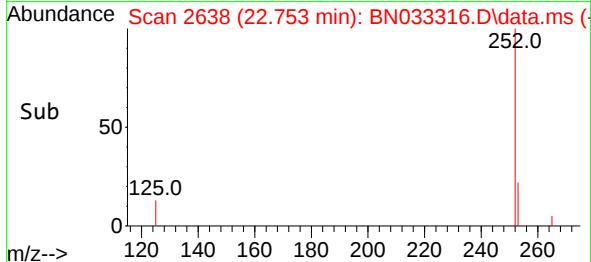
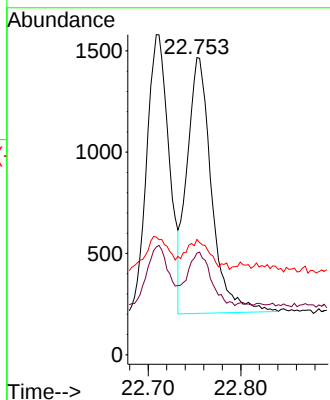


Tgt Ion:252 Resp: 2320
Ion Ratio Lower Upper
252 100
253 34.2 18.3 27.5#
125 38.8 10.2 15.4#

Manual Integrations
APPROVED

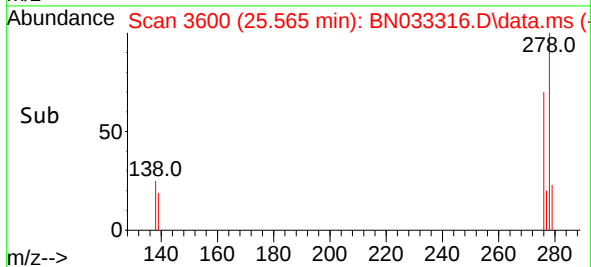
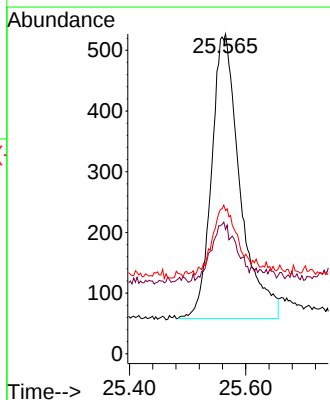
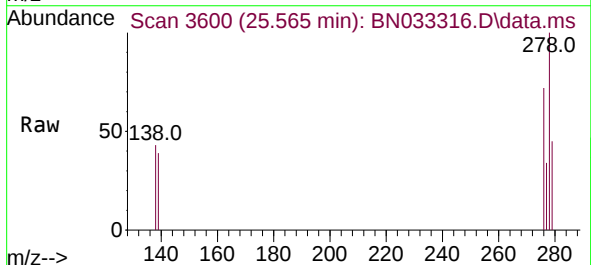
Reviewed By :Yogesh
Patel
08/12/2024

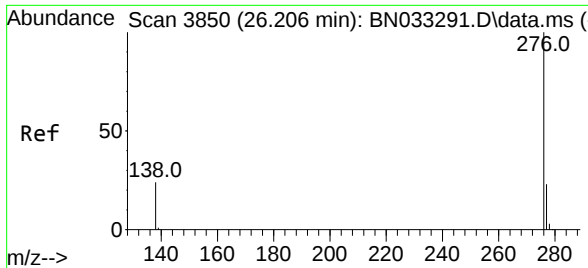
Supervised By :mohammad
ahmed
08/12/2024



#40
Dibenzo(a,h)anthracene
Concen: 0.030 ng
RT: 25.565 min Scan# 3600
Delta R.T. -0.006 min
Lab File: BN033316.D
Acq: 09 Aug 2024 13:17

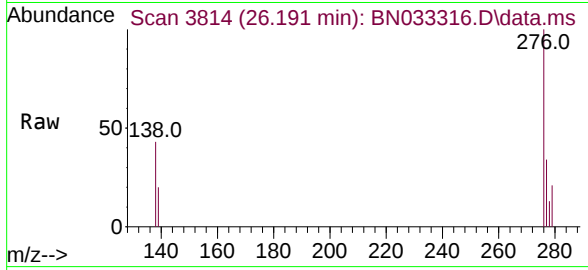
Tgt Ion:278 Resp: 1595
Ion Ratio Lower Upper
278 100
139 38.9 16.3 24.5#
279 44.8 19.4 29.2#





#41
 Benzo(g,h,i)perylene
 Concen: 0.032 ng
 RT: 26.191 min Scan# 3814
 Delta R.T. -0.015 min
 Lab File: BN033316.D
 Acq: 09 Aug 2024 13:17

Instrument :
 BNA_N
 ClientSampleId :
 TT189D2-HYD-20240806



Tgt Ion:	276	Resp:	187
Ion Ratio	Lower	Upper	
276	100		
277	33.8	19.0	28.4
138	42.6	20.8	31.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel
 08/12/2024

Supervised By :mohammad
 ahmed
 08/12/2024

