

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082523\
 Data File : BN027145.D
 Acq On : 26 Aug 2023 08:39
 Operator : MA/JU
 Sample : 04025-10
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TT149S1-20230815

Manual Integrations
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Reviewed By :Yogesh Patel 08/28/2023
 Supervised By :mohammad ahmed 08/28/2023

Quant Time: Aug 26 22:32:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 26 02:13:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	6343	0.400	ng	0.00
7) Naphthalene-d8	10.906	136	14671	0.400	ng	0.00
13) Acenaphthene-d10	14.705	164	10056	0.400	ng	0.00
19) Phenanthrene-d10	17.455	188	23101	0.400	ng	0.00
29) Chrysene-d12	21.632	240	19596	0.400	ng	0.00
35) Perylene-d12	24.168	264	19247	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.596	112	1770	0.099	ng	0.00
5) Phenol-d6	7.221	99	1228	0.056	ng	0.00
8) Nitrobenzene-d5	9.273	82	3468	0.280	ng	0.00
11) 2-Methylnaphthalene-d10	12.479	152	7750	0.332	ng	0.00
14) 2,4,6-Tribromophenol	16.202	330	1180	0.220	ng	0.00
15) 2-Fluorobiphenyl	13.336	172	12179	0.326	ng	0.00
27) Fluoranthene-d10	19.477	212	22783	0.385	ng	0.00
31) Terphenyl-d14	20.062	244	18443	0.450	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.466	88	1535	0.225	ng	# 73
25) Phenanthrene	17.493	178	1831	0.028	ng	97
26) Anthracene	17.592	178	1436	0.023	ng	98
28) Fluoranthene	19.505	202	3061	0.039	ng	# 81
30) Pyrene	19.872	202	3238	0.043	ng	99
32) Benzo(a)anthracene	21.614	228	2575m	0.036	ng	
33) Chrysene	21.668	228	2946	0.041	ng	94
34) Bis(2-ethylhexyl)phtha...	21.489	149	4554	0.089	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.846	276	2558	0.032	ng	97
37) Benzo(b)fluoranthene	23.379	252	3009	0.047	ng	# 27
38) Benzo(k)fluoranthene	23.431	252	2701	0.041	ng	# 28
39) Benzo(a)pyrene	24.054	252	2118	0.033	ng	# 1
40) Dibenzo(a,h)anthracene	26.878	278	1940	0.031	ng	# 39
41) Benzo(g,h,i)perylene	27.680	276	2423	0.036	ng	# 70

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

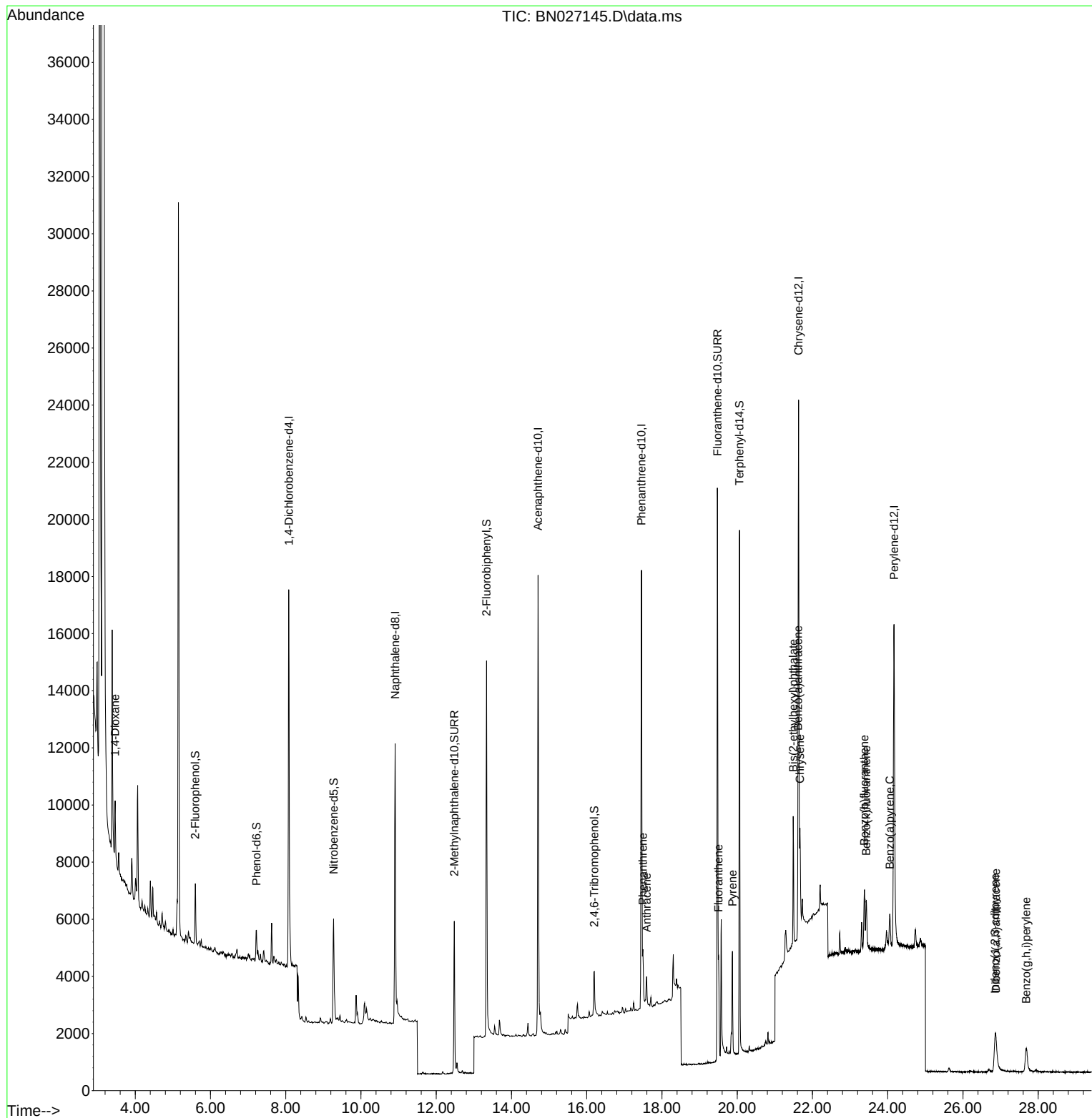
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082523\
Data File : BN027145.D
Acq On : 26 Aug 2023 08:39
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ALS Vial : 33 Sample Multiplier: 1

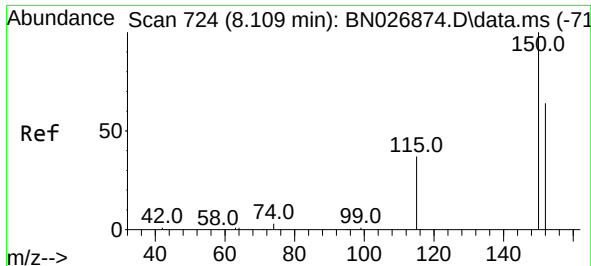
Instrument :
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Quant Time: Aug 26 22:32:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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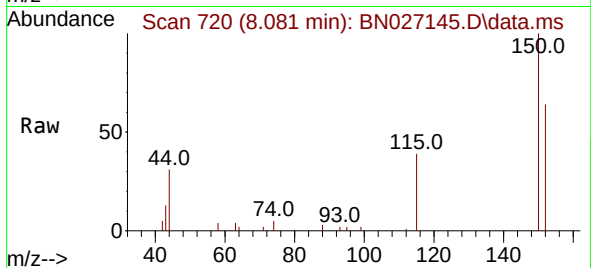
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.081 min Scan# 71
Delta R.T. -0.007 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

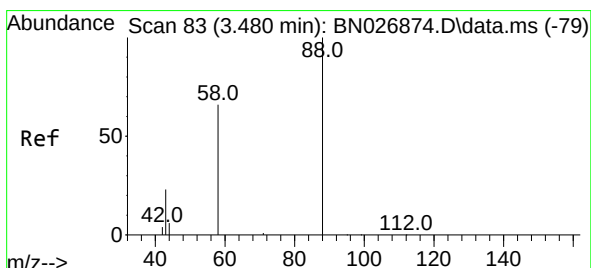
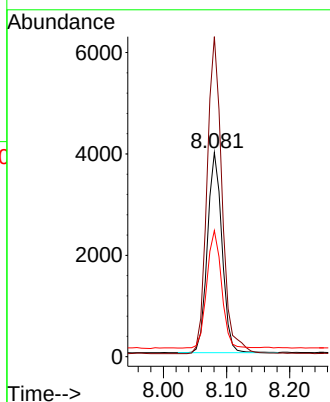
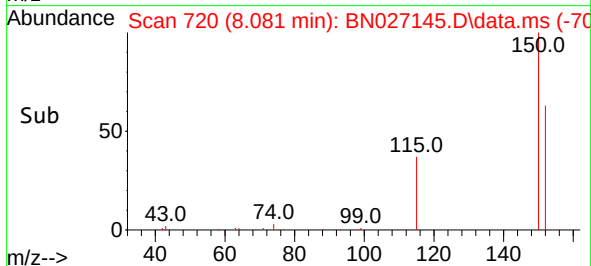
Instrument :
BNA_N
ClientSampleId :
TT149S1-20230815



Tgt Ion: 152 Resp: 634
Ion Ratio Lower Upper
152 100
150 156.7 123.8 185.6
115 61.7 49.7 74.5

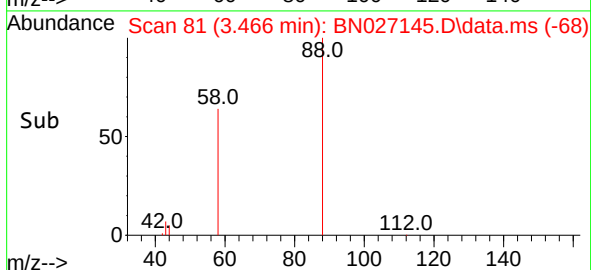
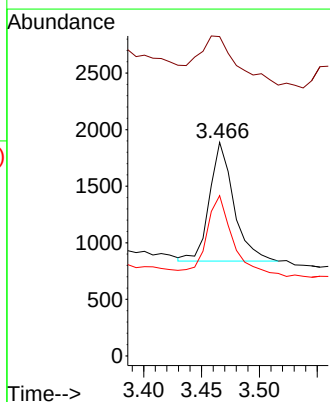
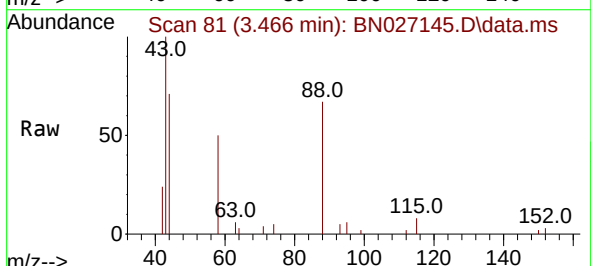
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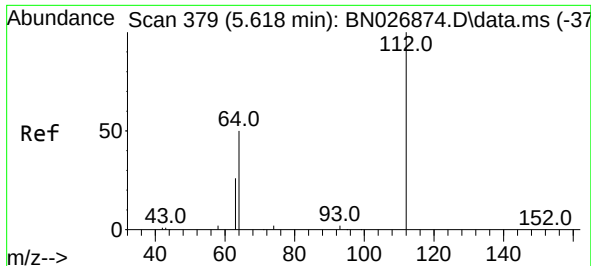
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#2
1,4-Dioxane
Concen: 0.225 ng
RT: 3.466 min Scan# 81
Delta R.T. -0.007 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

Tgt Ion: 88 Resp: 1535
Ion Ratio Lower Upper
88 100
43 62.9 19.2 28.8#
58 75.3 54.5 81.7





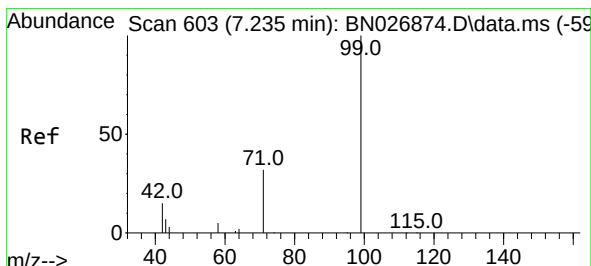
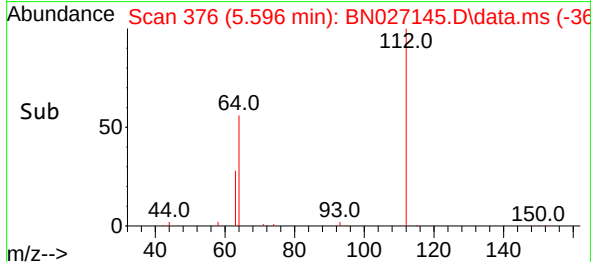
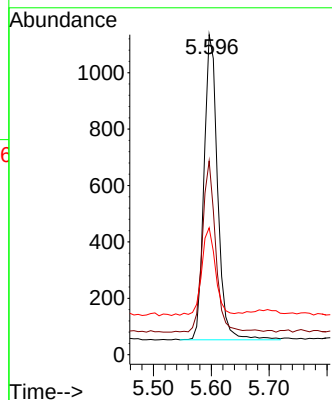
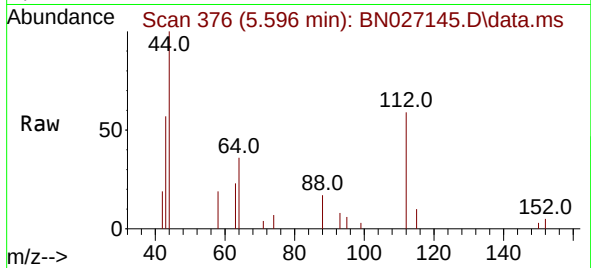
#4
2-Fluorophenol
Concen: 0.099 ng
RT: 5.596 min Scan# 31
Delta R.T. -0.007 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

Instrument :
BNA_N
ClientSampleId :
TT149S1-20230815

Tgt Ion: 112 Resp: 1770
Ion Ratio Lower Upper
112 100
64 54.4 41.5 62.3
63 29.3 21.7 32.5

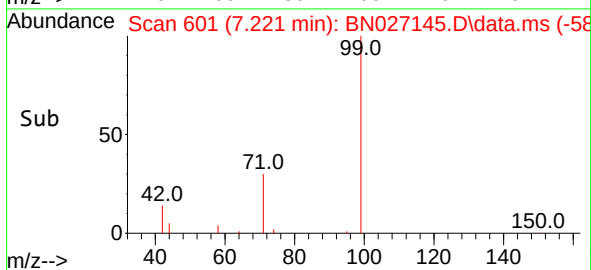
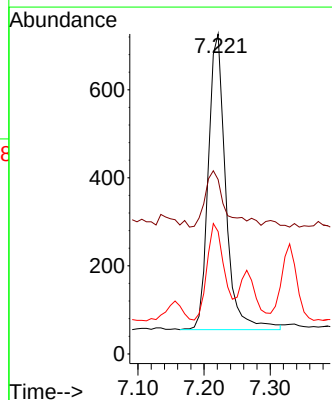
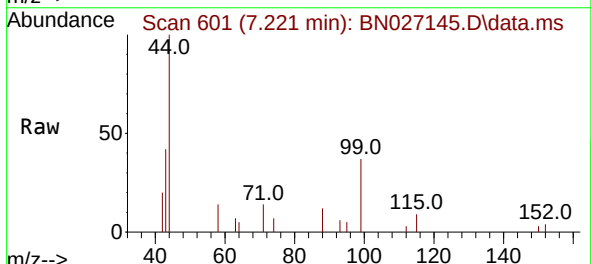
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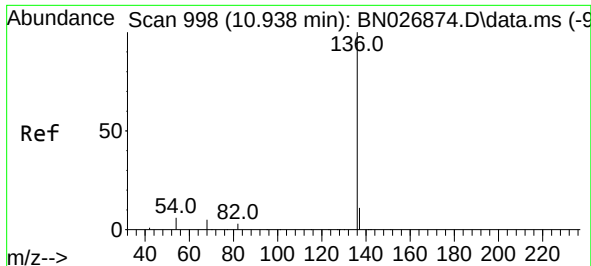
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#5
Phenol-d6
Concen: 0.056 ng
RT: 7.221 min Scan# 601
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

Tgt Ion: 99 Resp: 1228
Ion Ratio Lower Upper
99 100
42 21.9 13.6 20.4#
71 31.8 26.0 39.0





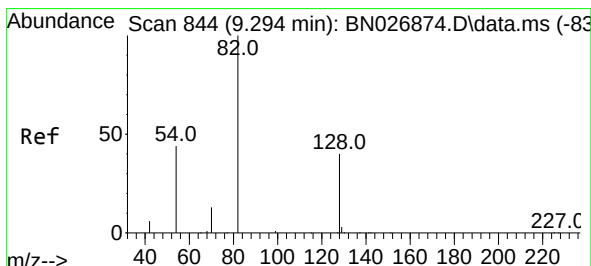
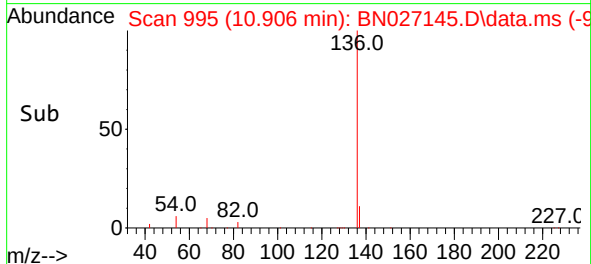
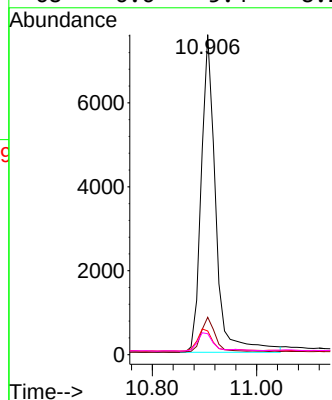
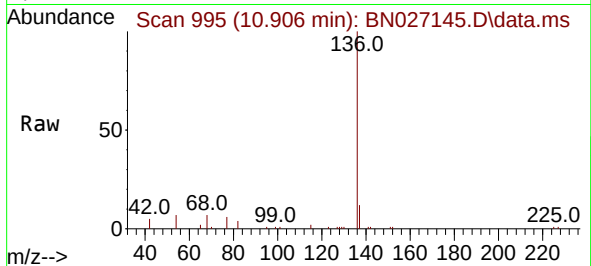
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.906 min Scan# 995
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

Instrument :
BNA_N
ClientSampleId :
TT149S1-20230815

Tgt Ion:	136	Resp:	1467
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.0	13.6
54	7.4	5.5	8.3
68	6.6	5.4	8.2

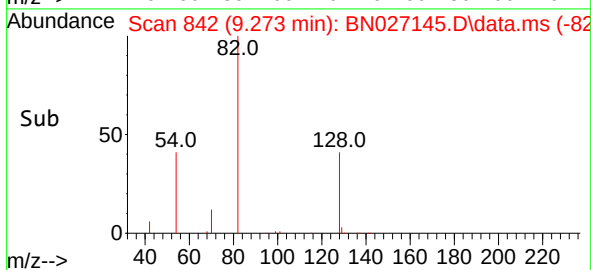
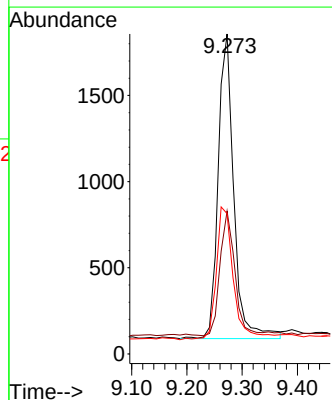
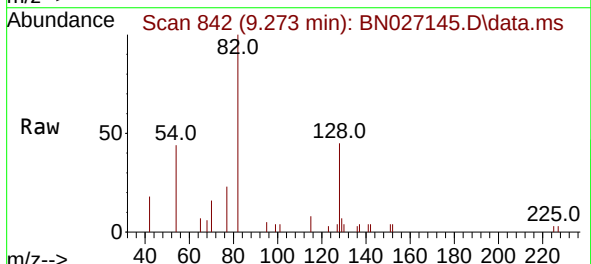
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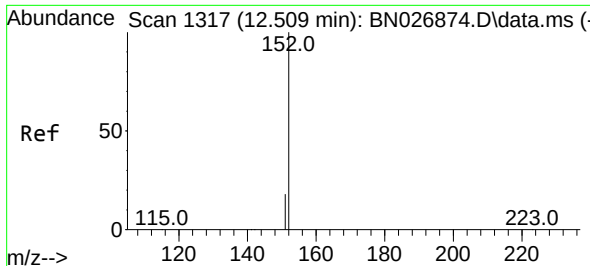
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#8
Nitrobenzene-d5
Concen: 0.280 ng
RT: 9.273 min Scan# 842
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

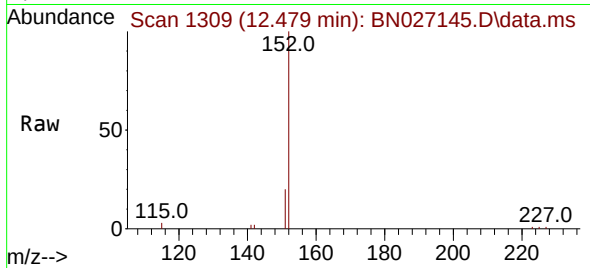
Tgt Ion:	82	Resp:	3468
Ion Ratio	Lower	Upper	
82	100		
128	44.6	34.1	51.1
54	43.8	37.0	55.4





#11
2-Methylnaphthalene-d10
Concen: 0.332 ng
RT: 12.479 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

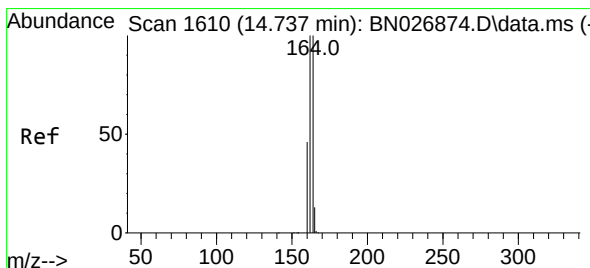
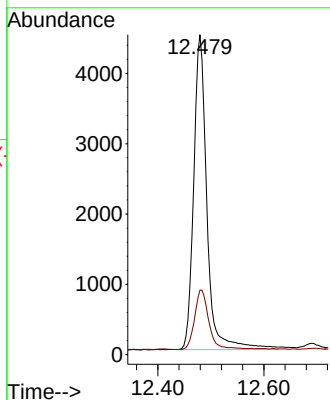
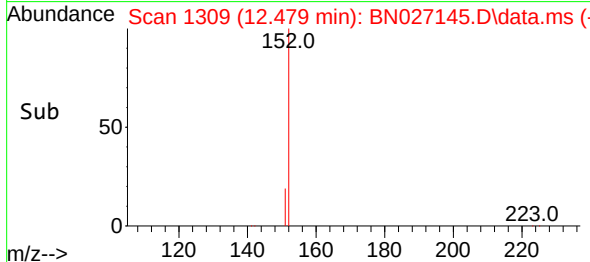
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BNA_N
ClientSampleId :
TT149S1-20230815



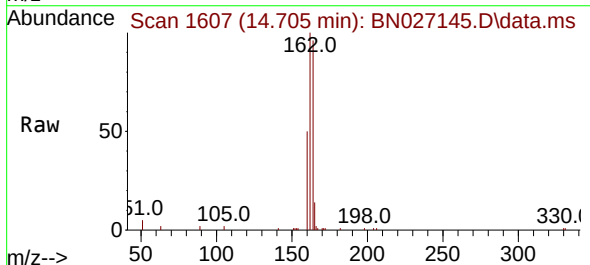
Tgt Ion:152 Resp: 7750
Ion Ratio Lower Upper
152 100
151 20.3 16.3 24.5

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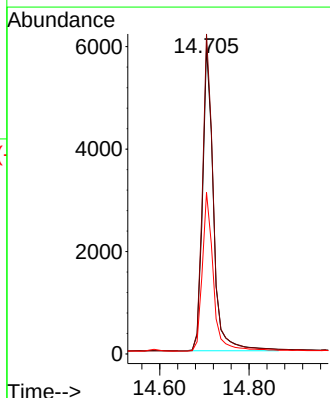
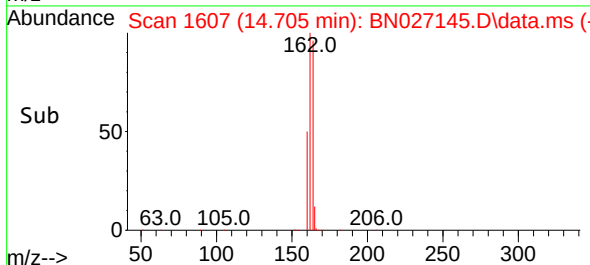
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Supervised By :mohammad ahmed 08/28/2023

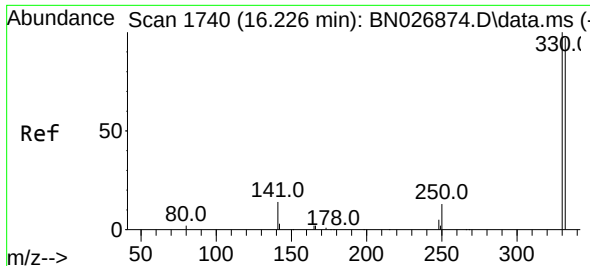


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.705 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39



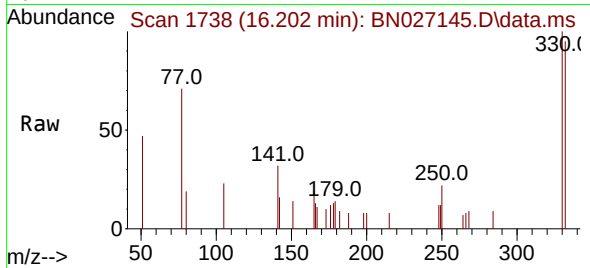
Tgt Ion:164 Resp: 10056
Ion Ratio Lower Upper
164 100
162 104.2 79.7 119.5
160 52.6 37.4 56.0





#14
2,4,6-Tribromophenol
Concen: 0.220 ng
RT: 16.202 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

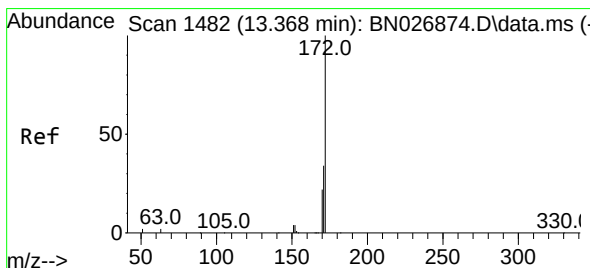
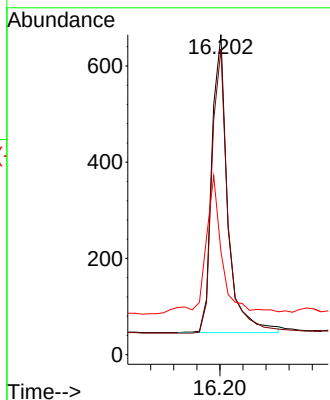
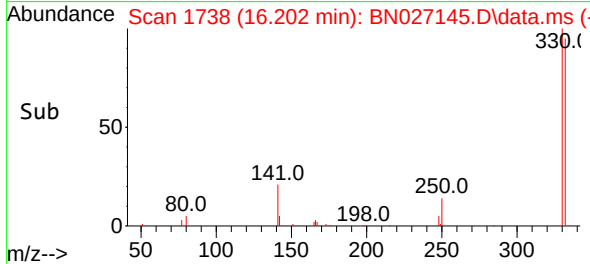
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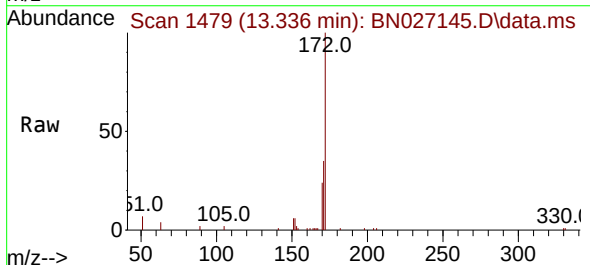
Tgt Ion:330 Resp: 1180
Ion Ratio Lower Upper
330 100
332 95.8 76.6 114.8
141 43.2 32.3 48.5

Manual Integrations
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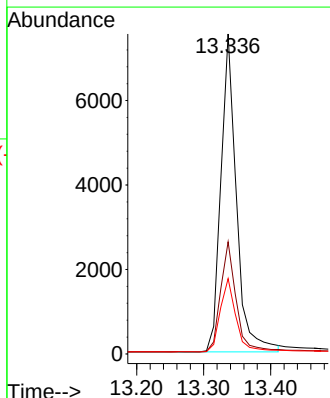
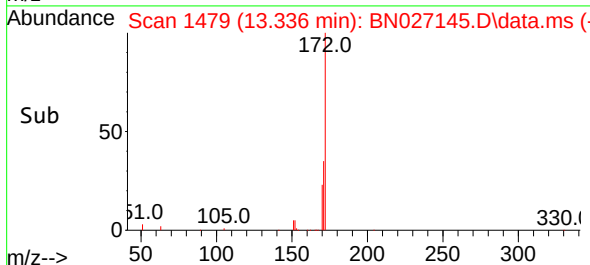
Reviewed By :Yogesh Patel 08/28/2023
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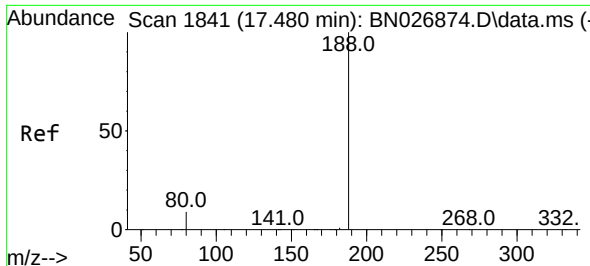


#15
2-Fluorobiphenyl
Concen: 0.326 ng
RT: 13.336 min Scan# 1479
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39



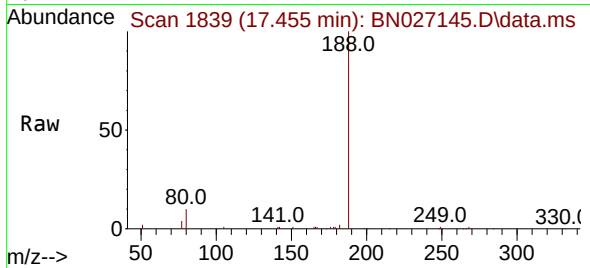
Tgt Ion:172 Resp: 12179
Ion Ratio Lower Upper
172 100
171 35.1 27.4 41.0
170 23.5 18.0 27.0





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.455 min Scan# 1839
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

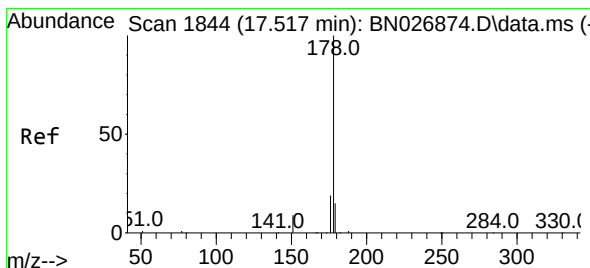
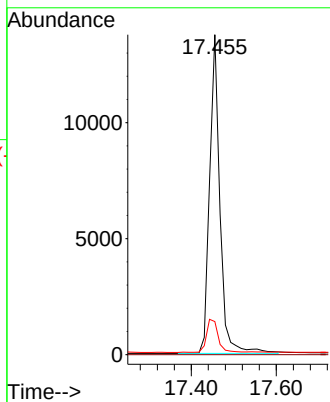
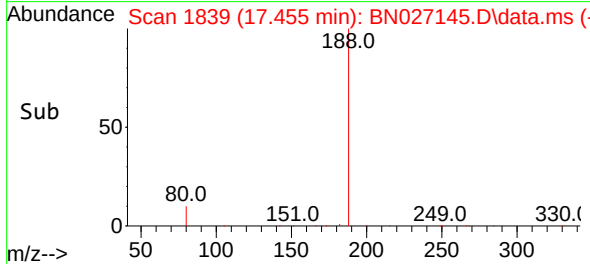
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Tgt Ion:188 Resp: 2310
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.3 7.4 11.2

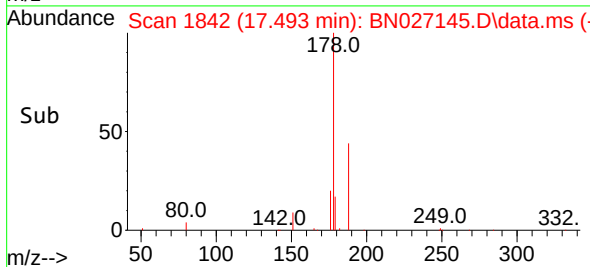
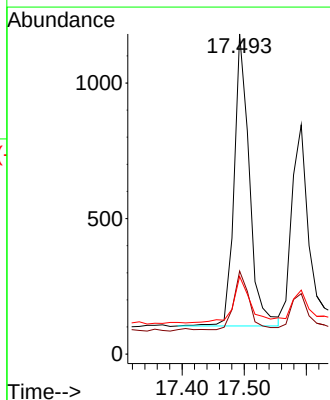
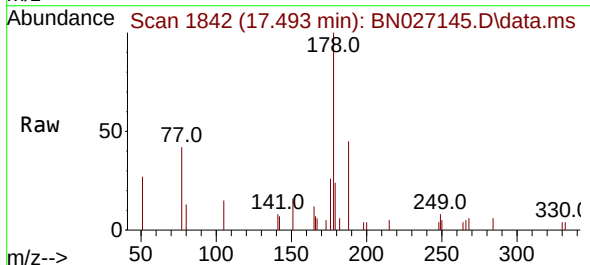
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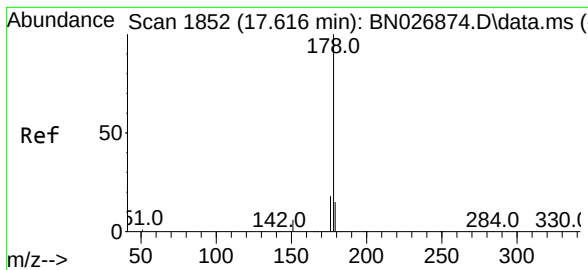
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#25
Phenanthrene
Concen: 0.028 ng
RT: 17.493 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

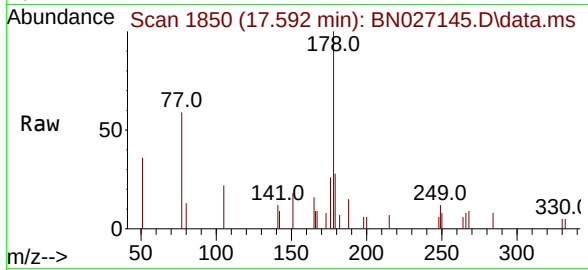
Tgt Ion:178 Resp: 1831
Ion Ratio Lower Upper
178 100
176 20.0 15.3 22.9
179 17.5 12.2 18.4





#26
 Anthracene
 Concen: 0.023 ng
 RT: 17.592 min Scan# 1850
 Delta R.T. 0.000 min
 Lab File: BN027145.D
 Acq: 26 Aug 2023 08:39

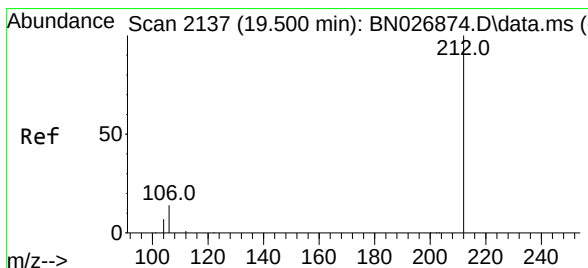
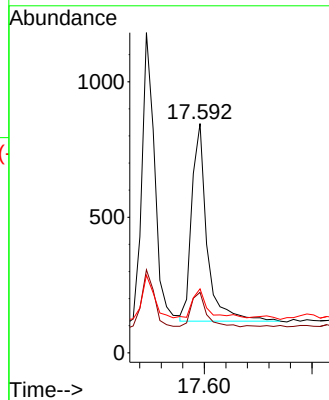
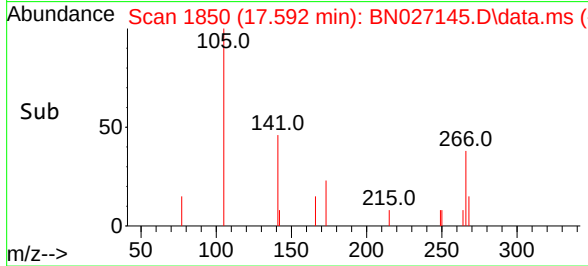
Instrument :
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 TT149S1-20230815



Tgt Ion:178 Resp: 1430
 Ion Ratio Lower Upper
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 176 17.3 14.8 22.2
 179 15.2 12.1 18.1

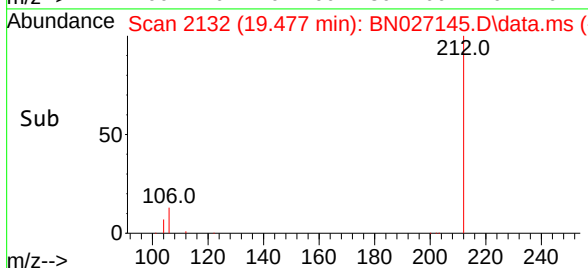
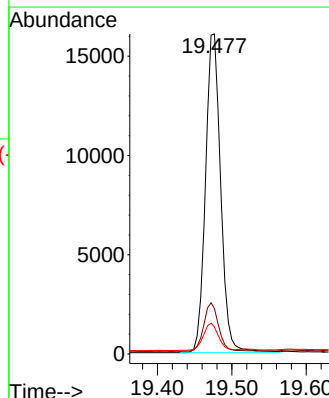
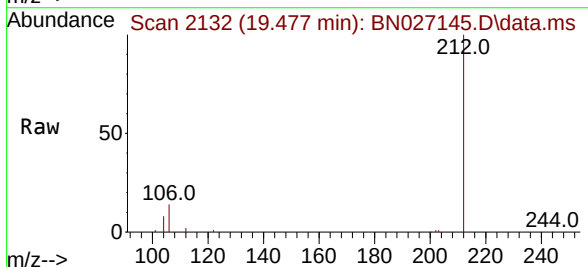
Manual Integrations
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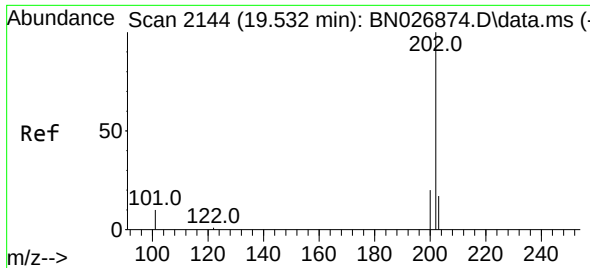
Reviewed By :Yogesh Patel 08/28/2023
 Supervised By :mohammad ahmed 08/28/2023



#27
 Fluoranthene-d10
 Concen: 0.385 ng
 RT: 19.477 min Scan# 2132
 Delta R.T. 0.000 min
 Lab File: BN027145.D
 Acq: 26 Aug 2023 08:39

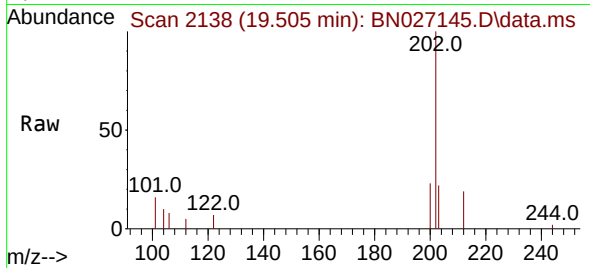
Tgt Ion:212 Resp: 22783
 Ion Ratio Lower Upper
 212 100
 106 15.0 10.9 16.3
 104 8.5 5.9 8.9





#28
Fluoranthene
Concen: 0.039 ng
RT: 19.505 min Scan# 2144
Delta R.T. -0.004 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

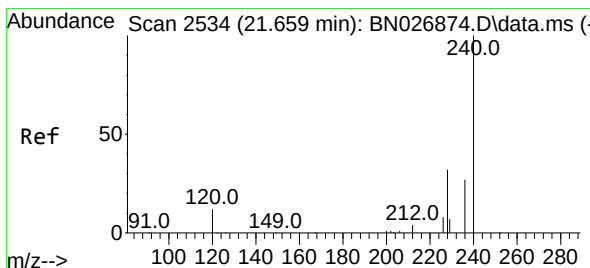
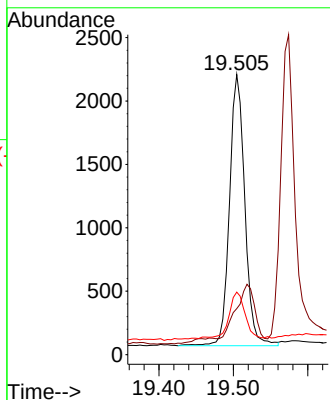
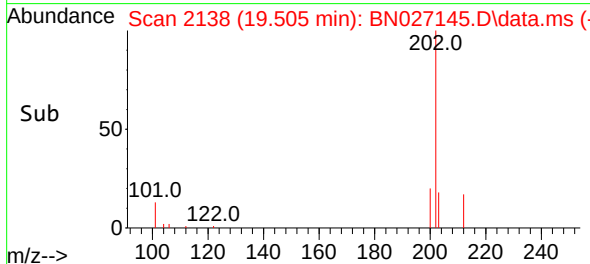
Instrument :
BNA_N
ClientSampleId :
TT149S1-20230815



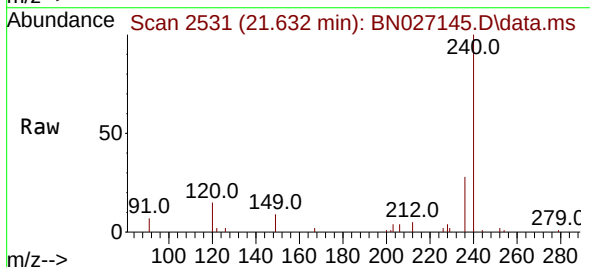
Tgt Ion:202 Resp: 306
Ion Ratio Lower Upper
202 100
101 26.7 8.9 13.3
203 19.3 13.7 20.5

Manual Integrations
APPROVED

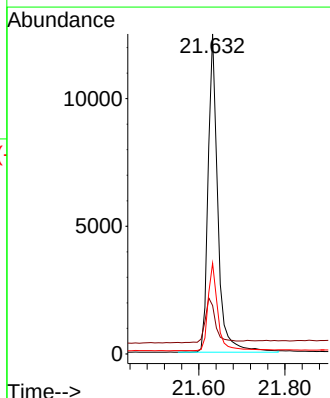
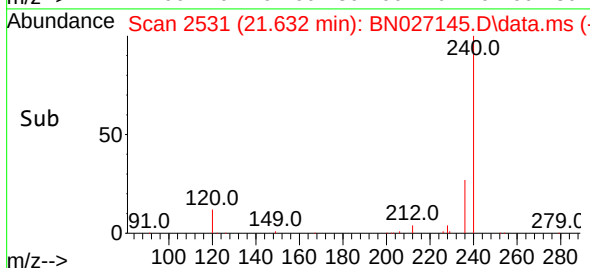
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023

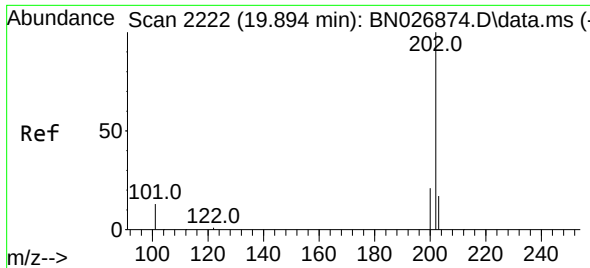


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.632 min Scan# 2531
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39



Tgt Ion:240 Resp: 19596
Ion Ratio Lower Upper
240 100
120 15.2 11.1 16.7
236 28.3 22.2 33.2





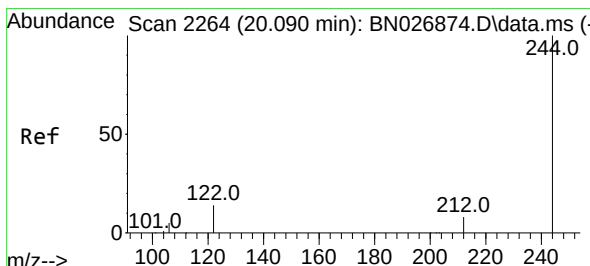
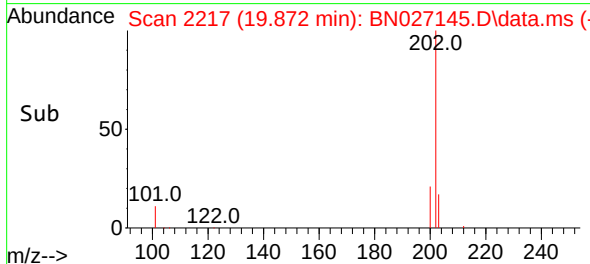
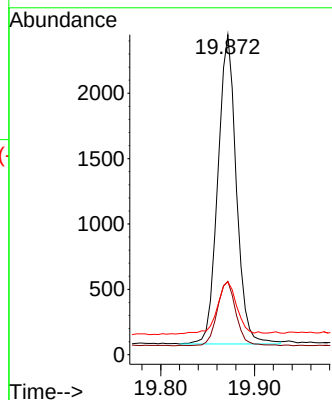
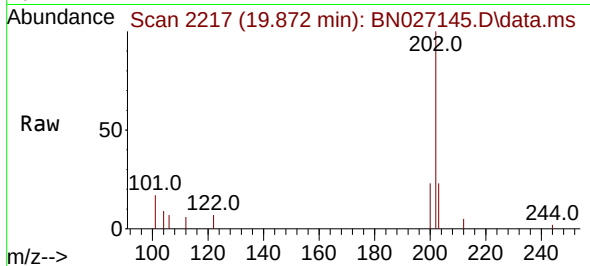
#30
Pyrene
Concen: 0.043 ng
RT: 19.872 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

Instrument :
BNA_N
ClientSampleId :
TT149S1-20230815

Tgt Ion:202 Resp: 3238
Ion Ratio Lower Upper
202 100
200 21.1 16.6 25.0
203 18.8 14.4 21.6

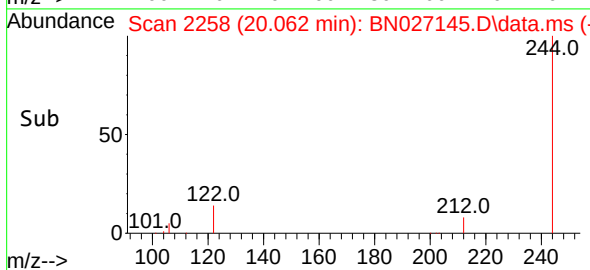
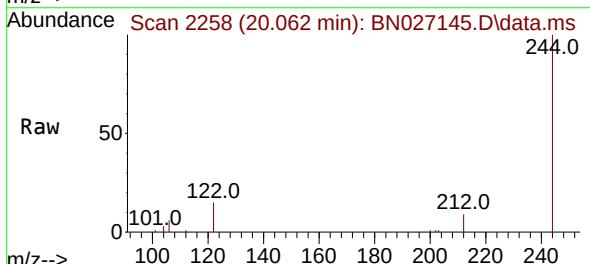
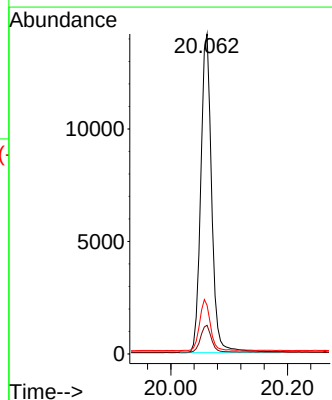
Manual Integrations
APPROVED

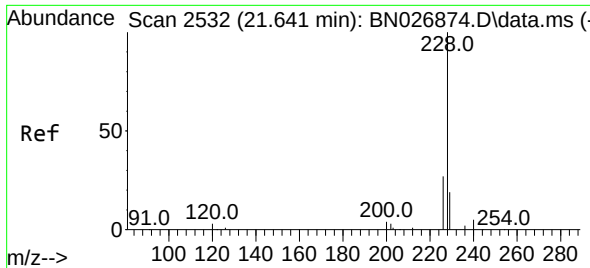
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#31
Terphenyl-d14
Concen: 0.450 ng
RT: 20.062 min Scan# 2258
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

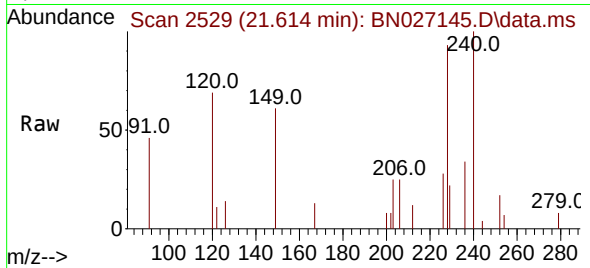
Tgt Ion:244 Resp: 18443
Ion Ratio Lower Upper
244 100
212 8.9 6.9 10.3
122 15.2 11.9 17.9





#32
Benzo(a)anthracene
Concen: 0.036 ng m
RT: 21.614 min Scan# 2157
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

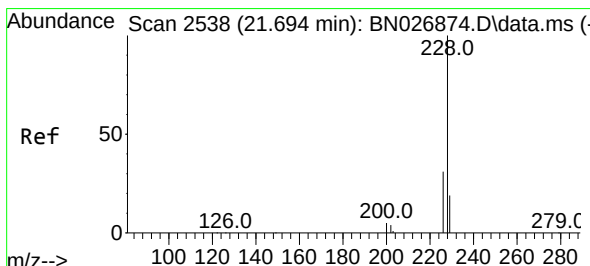
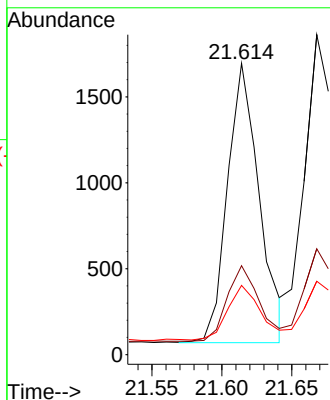
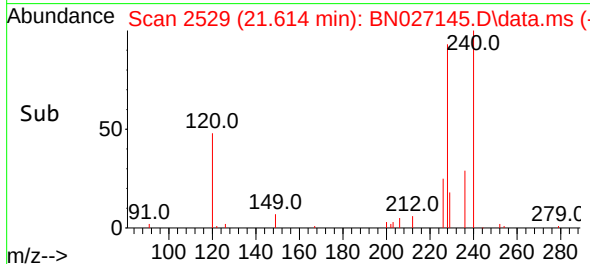
Instrument :
BNA_N
ClientSampleId :
TT149S1-20230815



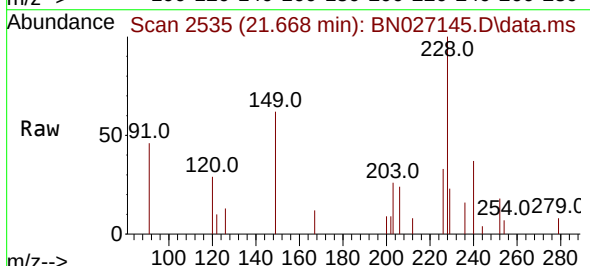
Tgt Ion:228 Resp: 2579
Ion Ratio Lower Upper
228 100
226 30.6 22.1 33.1
229 23.8 15.5 23.3

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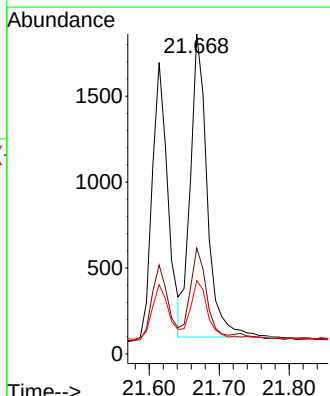
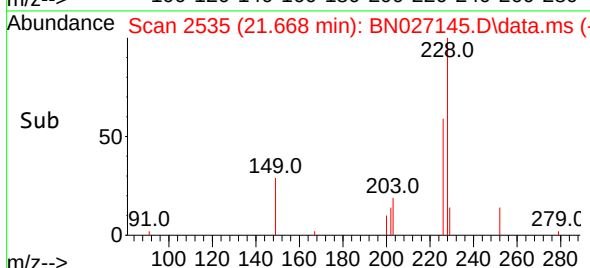
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023

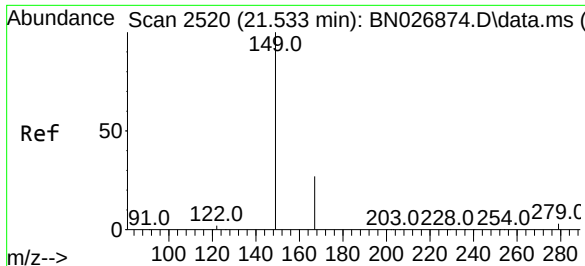


#33
Chrysene
Concen: 0.041 ng
RT: 21.668 min Scan# 2535
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39



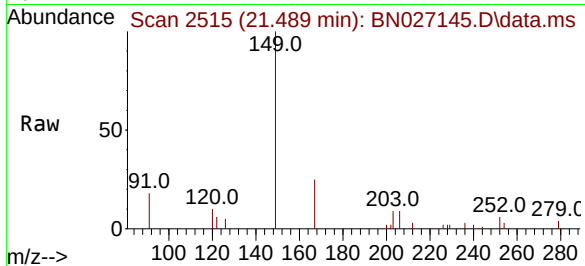
Tgt Ion:228 Resp: 2946
Ion Ratio Lower Upper
228 100
226 33.1 24.6 37.0
229 22.9 15.5 23.3





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.089 ng
RT: 21.489 min Scan# 2149
Delta R.T. -0.009 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

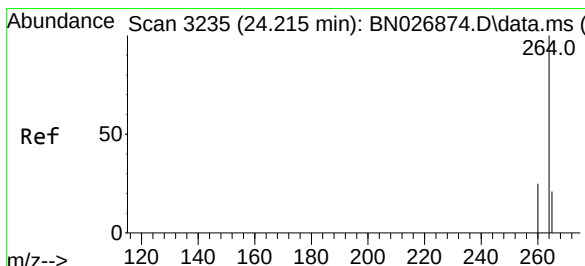
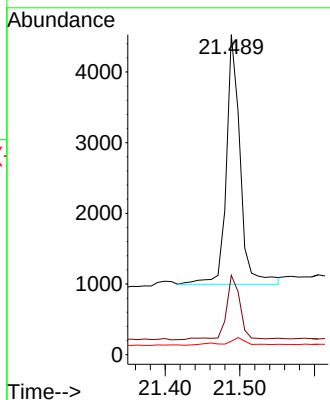
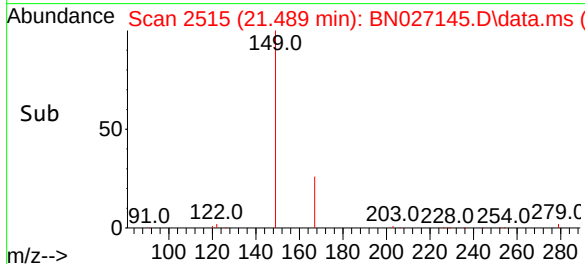
Instrument :
BNA_N
ClientSampleId :
TT149S1-20230815



Tgt Ion:149 Resp: 4554
Ion Ratio Lower Upper
149 100
167 25.5 21.4 32.0
279 2.6 3.6 5.4

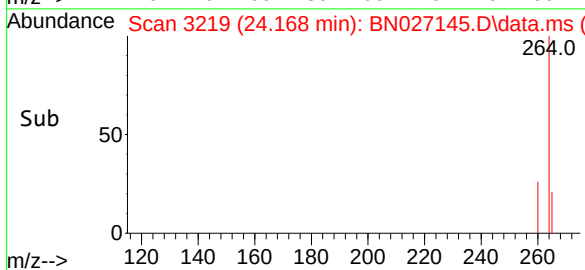
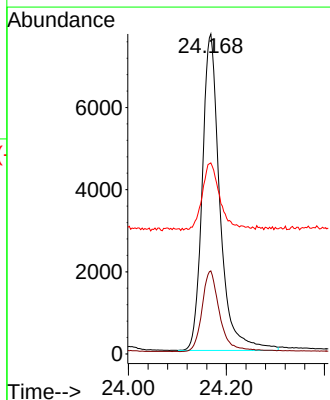
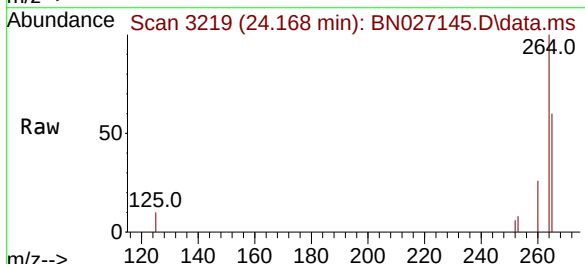
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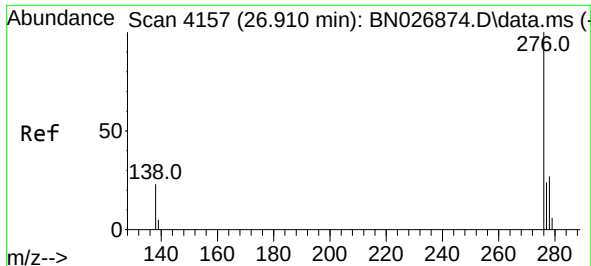
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 24.168 min Scan# 3219
Delta R.T. -0.003 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

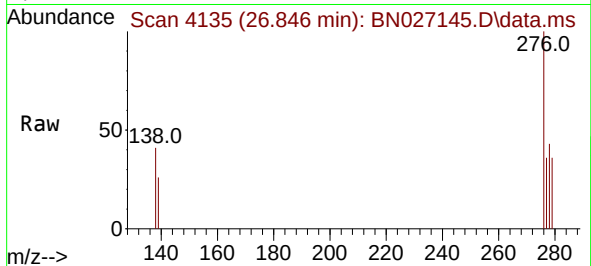
Tgt Ion:264 Resp: 19247
Ion Ratio Lower Upper
264 100
260 26.0 20.4 30.6
265 59.7 27.0 40.6





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.032 ng
RT: 26.846 min Scan# 4157
Delta R.T. -0.006 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

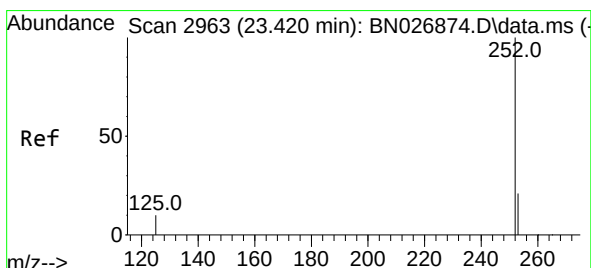
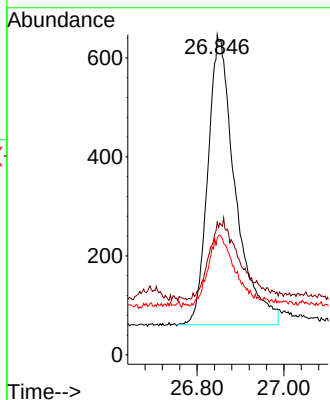
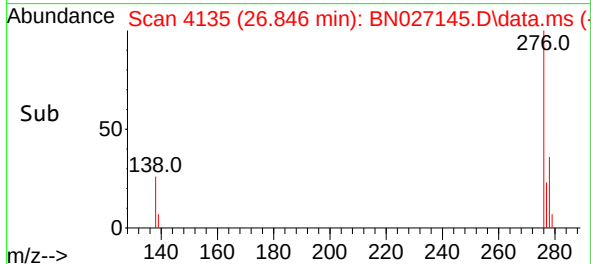
Instrument :
BNA_N
ClientSampleId :
TT149S1-20230815



Tgt Ion: 276 Resp: 2558
Ion Ratio Lower Upper
276 100
138 28.7 21.1 31.7
277 23.7 19.9 29.9

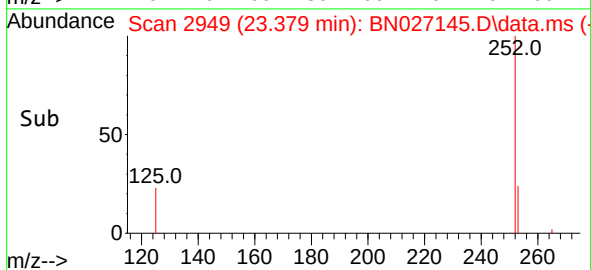
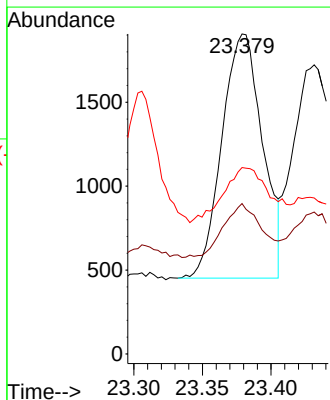
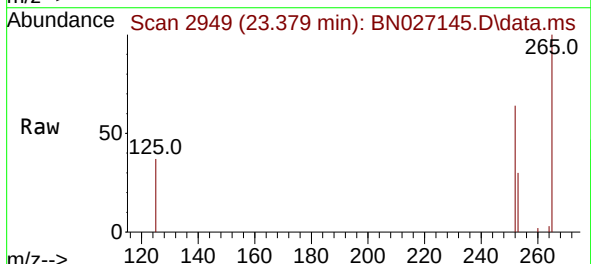
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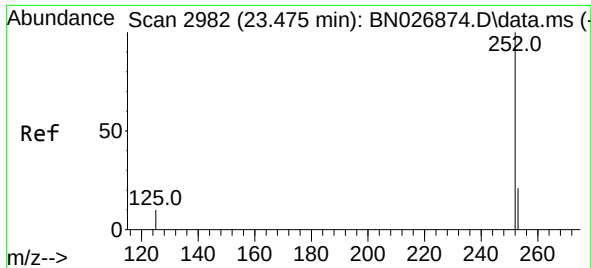
Reviewed By : Yogesh Patel 08/28/2023
Supervised By : mohammad ahmed 08/28/2023



#37
Benzo(b)fluoranthene
Concen: 0.047 ng
RT: 23.379 min Scan# 2949
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

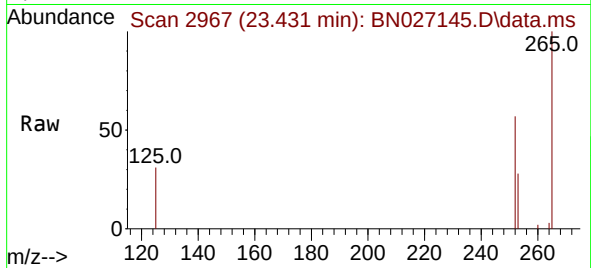
Tgt Ion: 252 Resp: 3009
Ion Ratio Lower Upper
252 100
253 47.0 18.4 27.6#
125 58.3 10.2 15.2#





#38
Benzo(k)fluoranthene
Concen: 0.041 ng
RT: 23.431 min Scan# 2982
Delta R.T. 0.000 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39

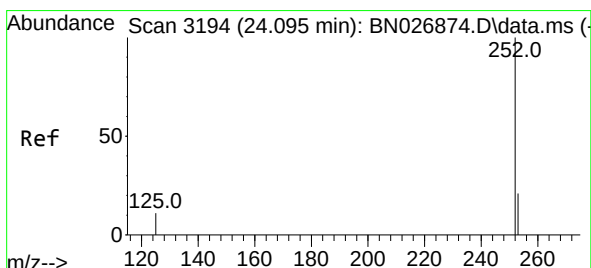
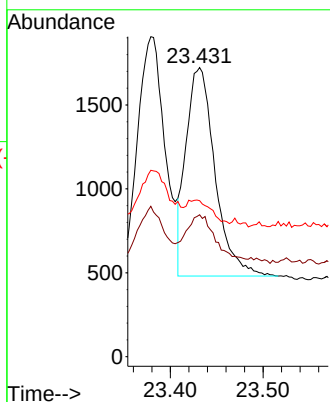
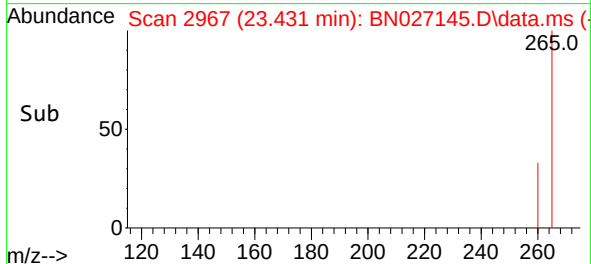
Instrument :
BNA_N
ClientSampleId :
TT149S1-20230815



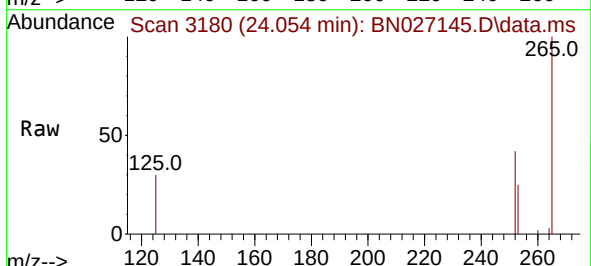
Tgt Ion:252 Resp: 270
Ion Ratio Lower Upper
252 100
253 49.1 18.4 27.6
125 54.0 10.2 15.2

Manual Integrations
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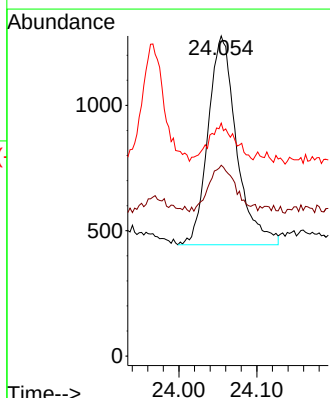
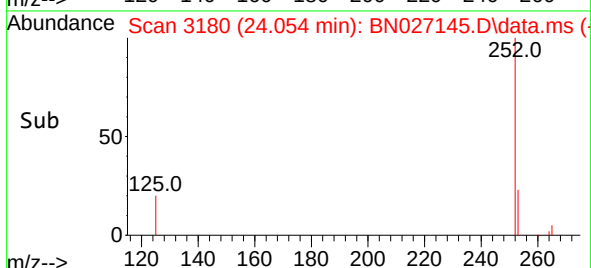
Reviewed By :Yogesh Patel 08/28/2023
Supervised By :mohammad ahmed 08/28/2023

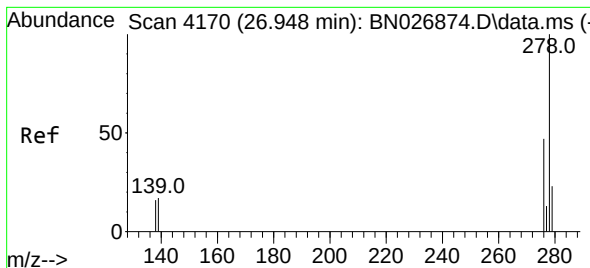


#39
Benzo(a)pyrene
Concen: 0.033 ng
RT: 24.054 min Scan# 3180
Delta R.T. -0.003 min
Lab File: BN027145.D
Acq: 26 Aug 2023 08:39



Tgt Ion:252 Resp: 2118
Ion Ratio Lower Upper
252 100
253 59.6 18.6 28.0#
125 72.7 11.7 17.5#





#40

Dibenzo(a,h)anthracene

Concen: 0.031 ng

RT: 26.878 min Scan# 41

Delta R.T. -0.003 min

Lab File: BN027145.D

Acq: 26 Aug 2023 08:39

Instrument :

BNA_N

ClientSampleId :

TT149S1-20230815

Tgt Ion:278 Resp: 1940

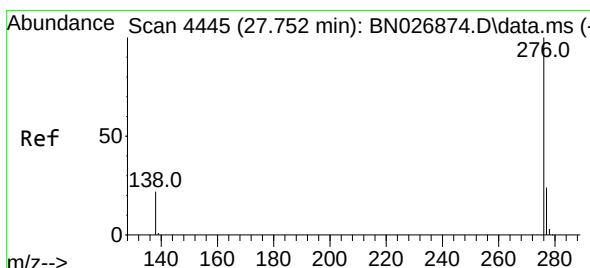
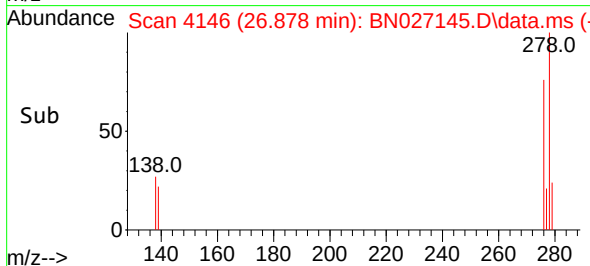
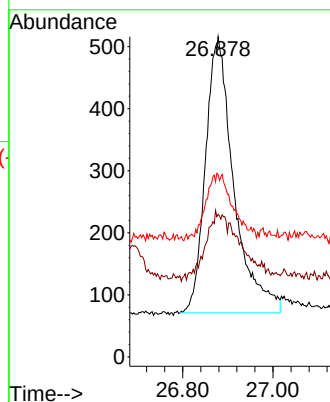
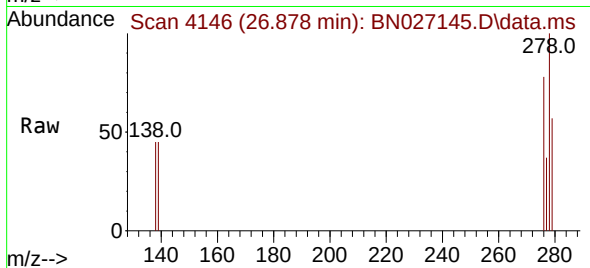
Ion	Ratio	Lower	Upper
278	100		
139	44.6	15.3	22.9
279	57.0	19.9	29.9

Manual Integrations

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Reviewed By :Yogesh Patel 08/28/2023

Supervised By :mohammad ahmed 08/28/2023



#41

Benzo(g,h,i)perylene

Concen: 0.036 ng

RT: 27.680 min Scan# 4420

Delta R.T. -0.009 min

Lab File: BN027145.D

Acq: 26 Aug 2023 08:39

Tgt Ion:276 Resp: 2423

Ion	Ratio	Lower	Upper
276	100		
277	36.7	19.8	29.8
138	41.2	19.0	28.4

