

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122023\
 Data File : BN029143.D
 Acq On : 20 Dec 2023 20:13
 Operator : MA/JU
 Sample : 05366-01RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 P-13(10-15)RE

Quant Time: Dec 21 01:10:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 18:03:30 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	1022	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	1898	0.400	ng	-0.01
13) Acenaphthene-d10	14.425	164	1073	0.400	ng	0.00
19) Phenanthrene-d10	17.181	188	1673	0.400	ng	0.00
29) Chrysene-d12	21.384	240	1211	0.400	ng	0.00
35) Perylene-d12	23.703	264	1457	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.406	112	492	0.201	ng	0.00
5) Phenol-d6	7.002	99	535	0.199	ng	0.00
8) Nitrobenzene-d5	8.961	82	540	0.218	ng	0.00
11) 2-Methylnaphthalene-d10	12.166	152	616	0.214	ng	0.00
14) 2,4,6-Tribromophenol	15.927	330	121	0.129	ng	0.00
15) 2-Fluorobiphenyl	13.057	172	976	0.156	ng	0.00
27) Fluoranthene-d10	19.215	212	818	0.202	ng	0.00
31) Terphenyl-d14	19.824	244	477	0.143	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.626	128	29183	4.719	ng	# 91
12) 2-Methylnaphthalene	12.238	142	8550	2.115	ng	97
16) Acenaphthylene	14.147	152	11526	1.524	ng	# 85
17) Acenaphthene	14.490	154	10641	2.346	ng	96
18) Fluorene	15.473	166	15052	2.461	ng	100
25) Phenanthrene	17.218	178	99391	14.399	ng	96
26) Anthracene	17.305	178	20005	2.998	ng	99
28) Fluoranthene	19.243	202	39420	5.524	ng	# 98
30) Pyrene	19.610	202	63227	6.628	ng	100
32) Benzo(a)anthracene	21.366	228	22195	3.333	ng	95
33) Chrysene	21.420	228	17831	2.708	ng	94
34) Bis(2-ethylhexyl)phtha...	21.313	149	1277	0.105	ng	# 95
36) Indeno(1,2,3-cd)pyrene	26.072	276	10052	1.071	ng	# 69
37) Benzo(b)fluoranthene	23.002	252	19530	2.636	ng	# 76
38) Benzo(k)fluoranthene	23.043	252	5625m	0.775	ng	
39) Benzo(a)pyrene	23.598	252	19442	2.940	ng	# 68
40) Dibenzo(a,h)anthracene	26.083	278	2881	0.399	ng	99
41) Benzo(g,h,i)perylene	26.806	276	11477m	1.444	ng	

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

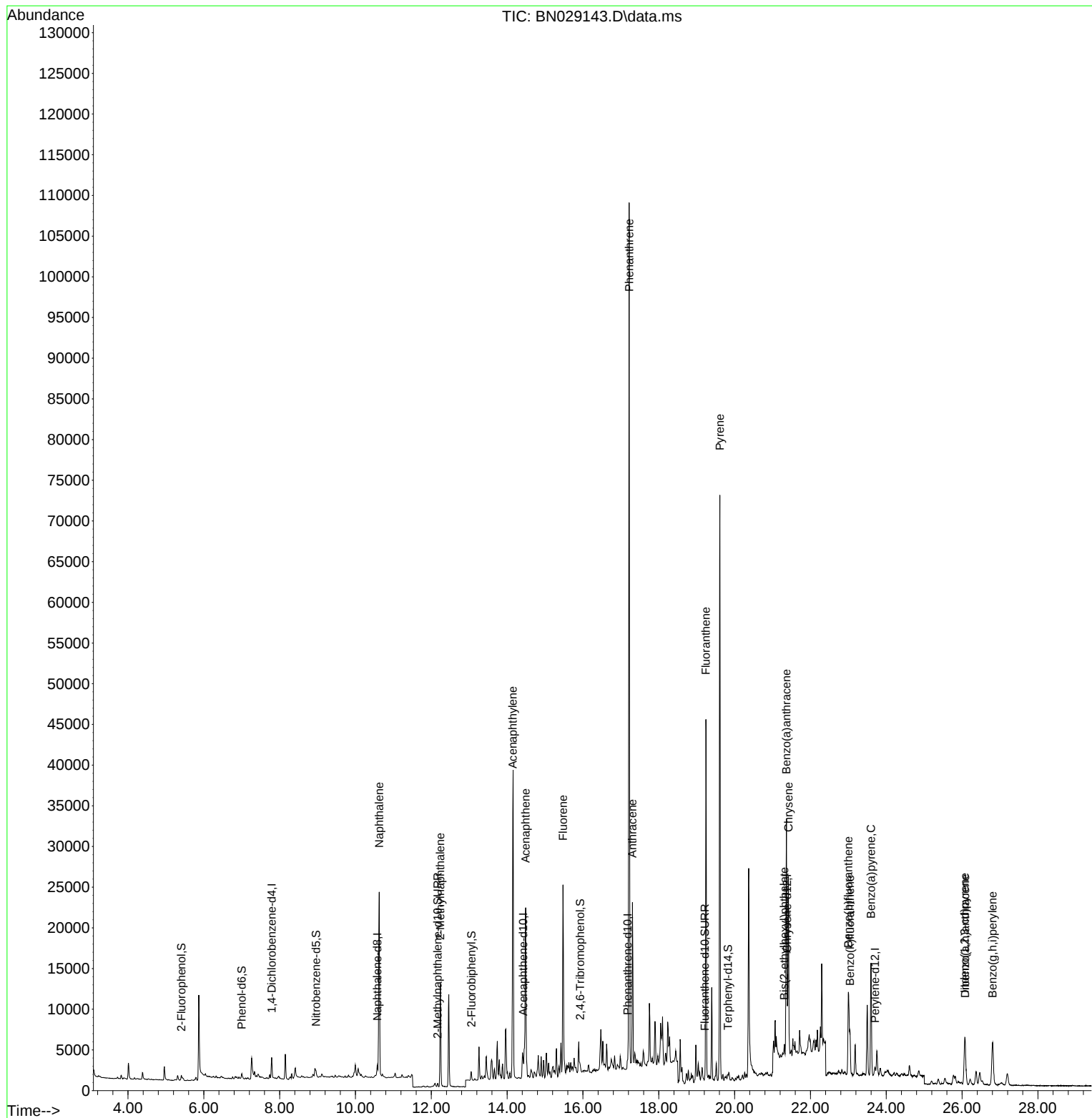
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN122023\
Data File : BN029143.D
Acq On : 20 Dec 2023 20:13
Operator : MA/JU
Sample : 05366-01RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

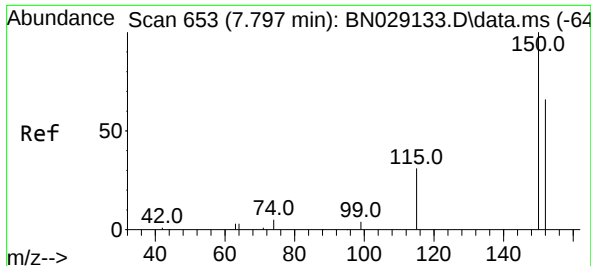
Instrument :
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ClientSampleId :
P-13(10-15)RE

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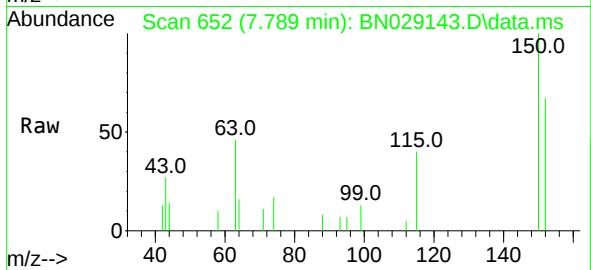
Quant Time: Dec 21 01:10:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 20 18:03:30 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 612
Delta R.T. -0.008 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

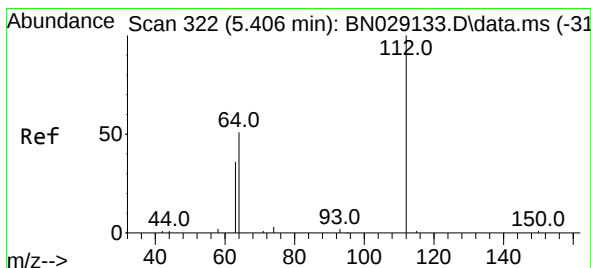
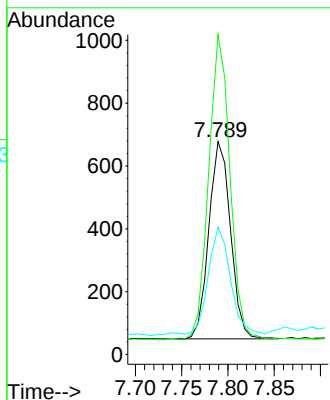
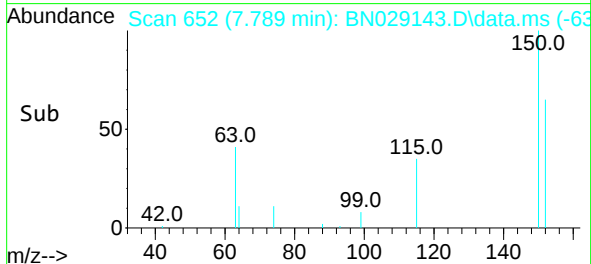
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)RE



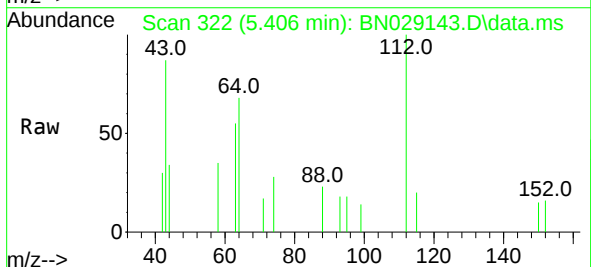
Tgt Ion:152 Resp: 102
Ion Ratio Lower Upper
152 100
150 150.1 117.6 176.4
115 59.7 44.2 66.2

Manual Integrations
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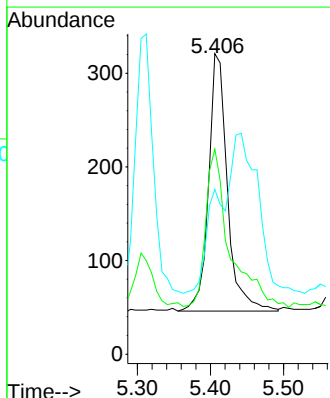
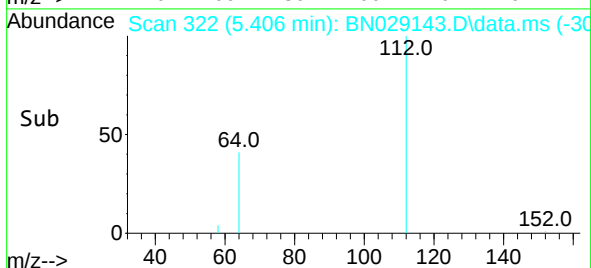
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

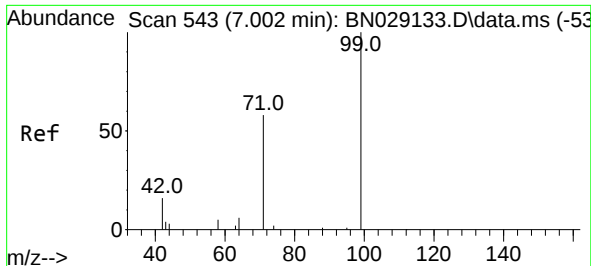


#4
2-Fluorophenol
Concen: 0.201 ng
RT: 5.406 min Scan# 322
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13



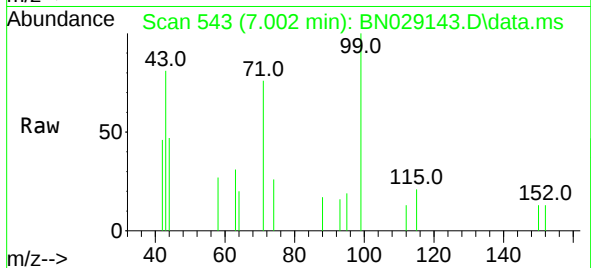
Tgt Ion:112 Resp: 492
Ion Ratio Lower Upper
112 100
64 78.7 38.6 58.0#
63 39.2 30.0 45.0





#5
Phenol-d6
Concen: 0.199 ng
RT: 7.002 min Scan# 543
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

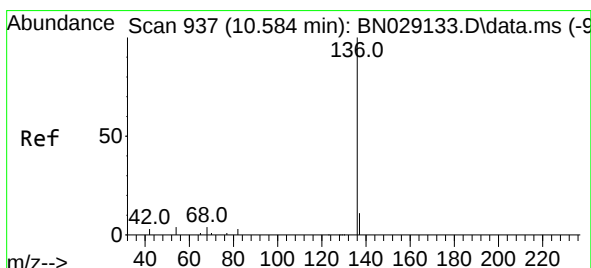
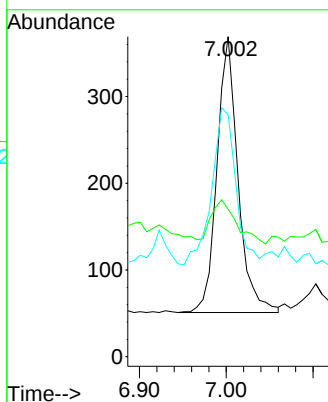
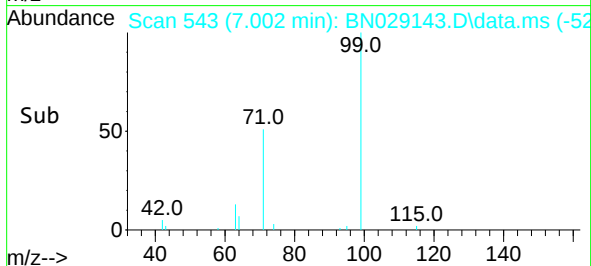
Instrument :
BNA_N
ClientSampleId :
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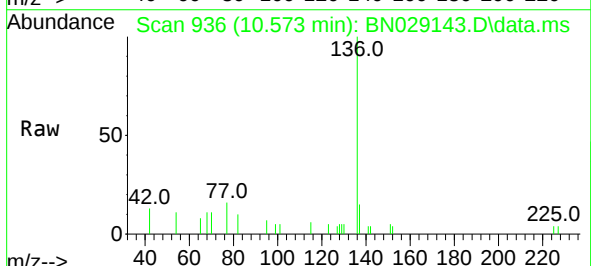
Tgt Ion:	99	Resp:	538
Ion	Ratio	Lower	Upper
99	100		
42	19.4	13.8	20.6
71	64.9	45.4	68.2

Manual Integrations
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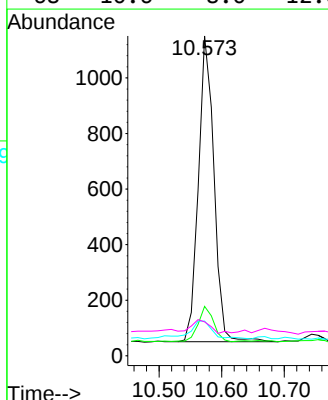
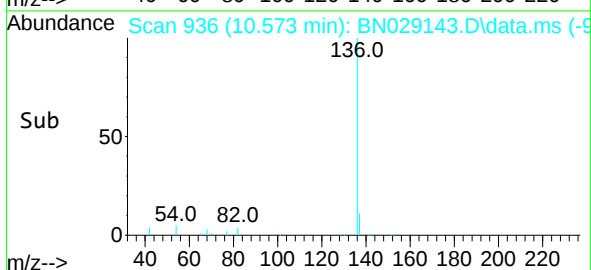
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

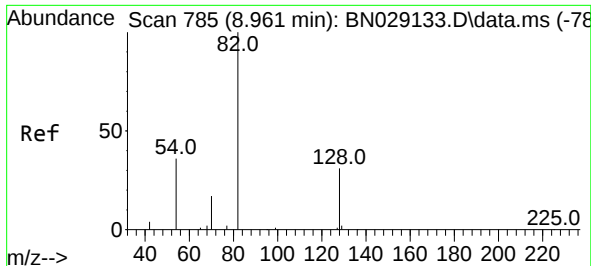


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. -0.011 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13



Tgt Ion:	136	Resp:	1898
Ion	Ratio	Lower	Upper
136	100		
137	15.5	13.4	20.0
54	10.9	8.6	13.0
68	10.6	8.0	12.0





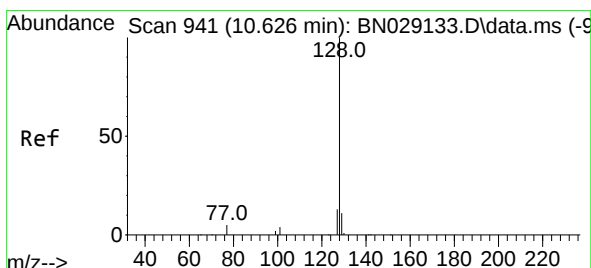
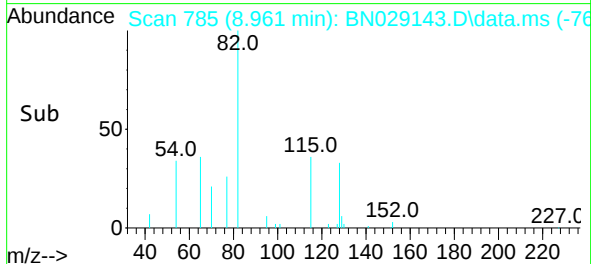
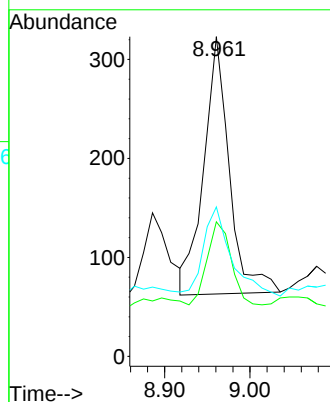
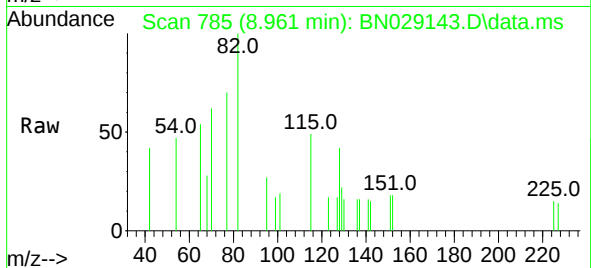
#8
Nitrobenzene-d5
Concen: 0.218 ng
RT: 8.961 min Scan# 785
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

Instrument :
BNA_N
ClientSampleId :
P-13(10-15)RE

Tgt Ion: 82 Resp: 540
Ion Ratio Lower Upper
82 100
128 42.1 33.0 49.4
54 46.7 35.8 53.8

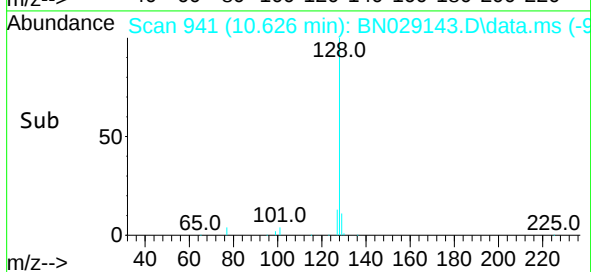
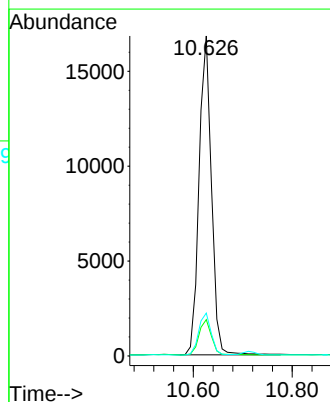
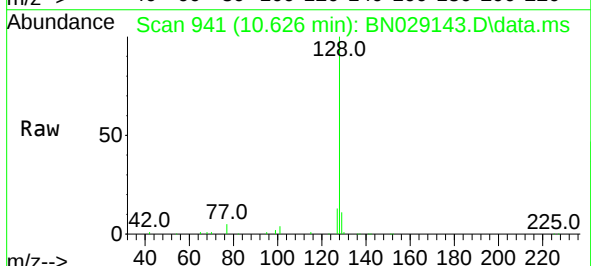
Manual Integrations
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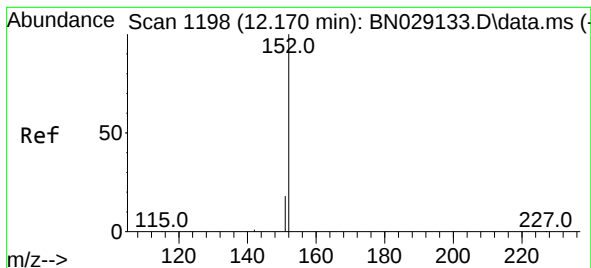
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#9
Naphthalene
Concen: 4.719 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

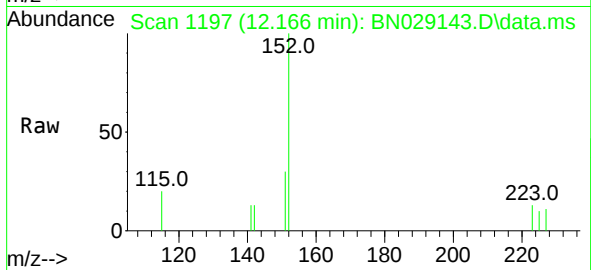
Tgt Ion:128 Resp: 29183
Ion Ratio Lower Upper
128 100
129 11.3 12.0 18.0#
127 13.4 14.1 21.1#





#11
2-Methylnaphthalene-d10
Concen: 0.214 ng
RT: 12.166 min Scan# 1197
Delta R.T. -0.004 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

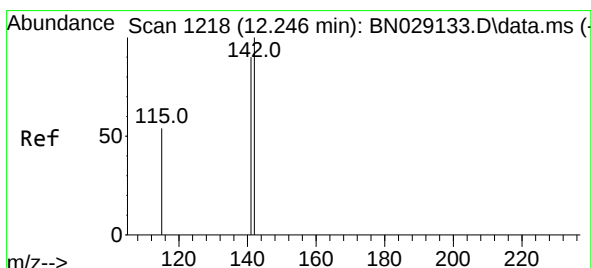
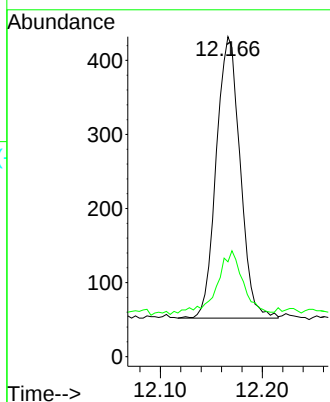
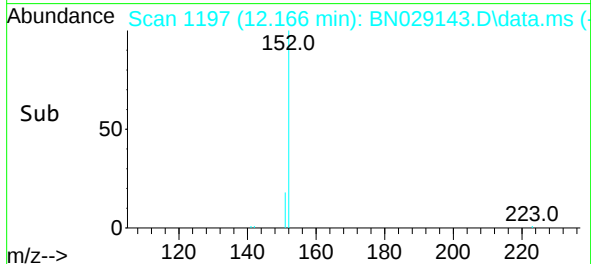
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)RE



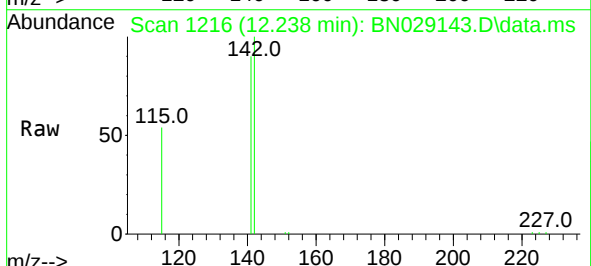
Tgt Ion:152 Resp: 610
Ion Ratio Lower Upper
152 100
151 25.2 17.4 26.2

Manual Integrations
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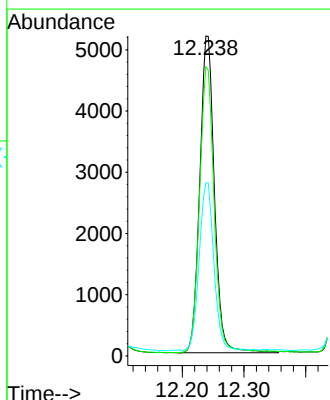
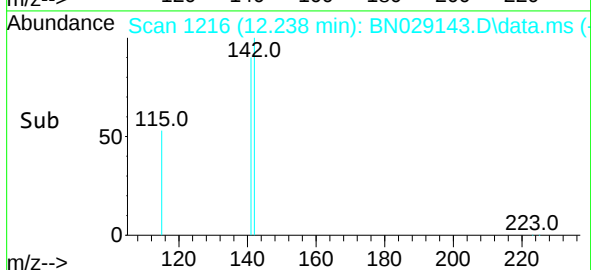
Reviewed By :Yogesh Patel 12/21/2023
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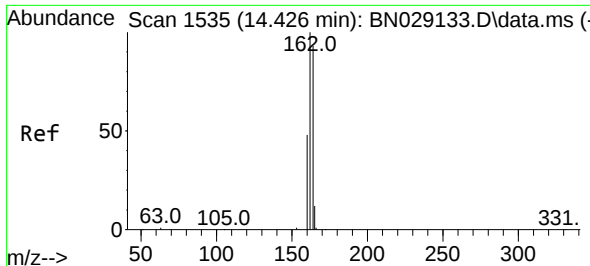


#12
2-Methylnaphthalene
Concen: 2.115 ng
RT: 12.238 min Scan# 1216
Delta R.T. -0.008 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13



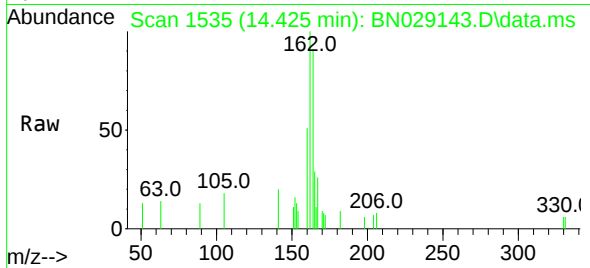
Tgt Ion:142 Resp: 8550
Ion Ratio Lower Upper
142 100
141 90.4 73.0 109.4
115 54.1 46.8 70.2





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.425 min Scan# 1535
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

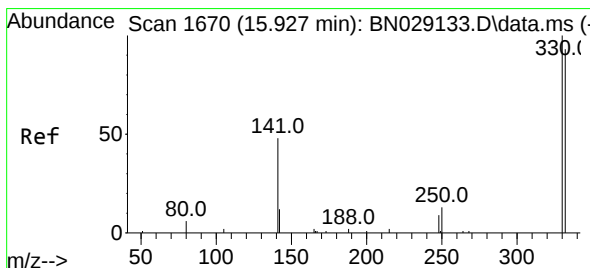
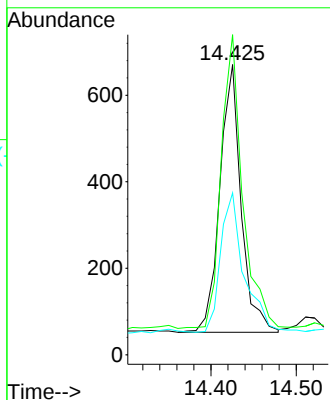
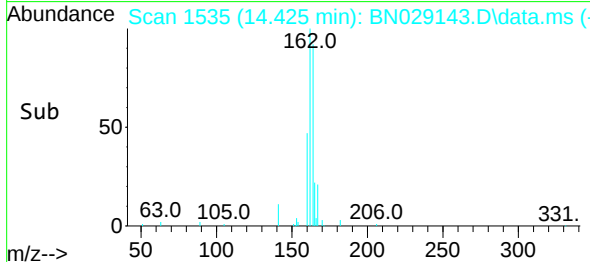
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)RE



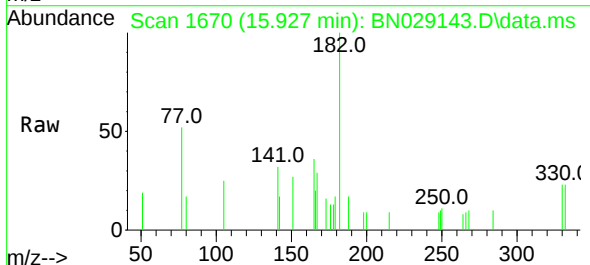
Tgt Ion:164 Resp: 107
Ion Ratio Lower Upper
164 100
162 110.3 85.0 127.4
160 55.7 45.8 68.8

Manual Integrations
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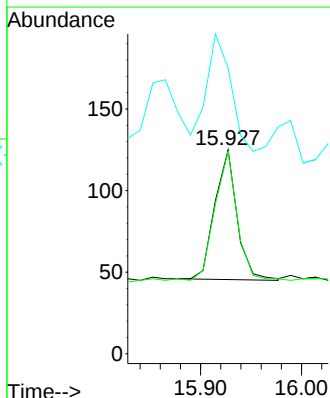
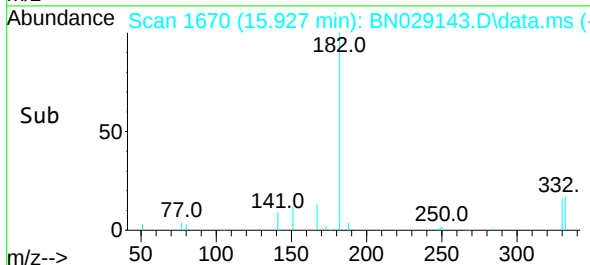
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

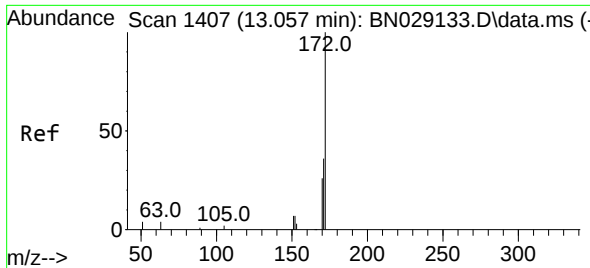


#14
2,4,6-Tribromophenol
Concen: 0.129 ng
RT: 15.927 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13



Tgt Ion:330 Resp: 121
Ion Ratio Lower Upper
330 100
332 100.0 83.4 125.0
141 98.3 43.8 65.8#





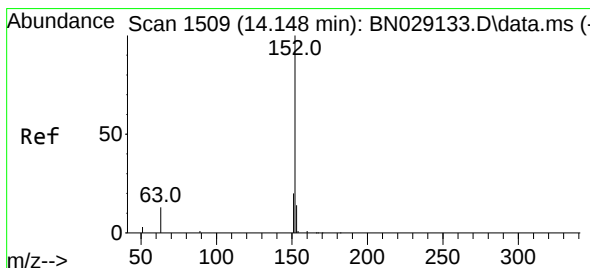
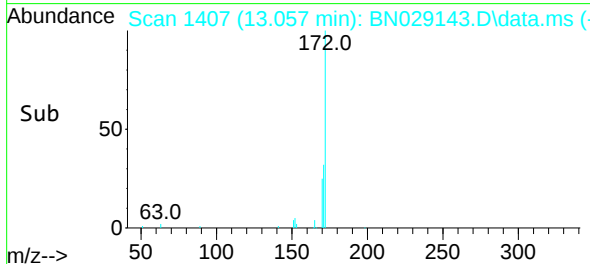
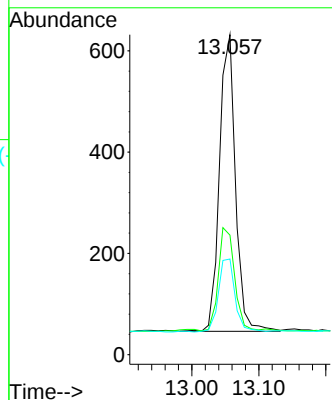
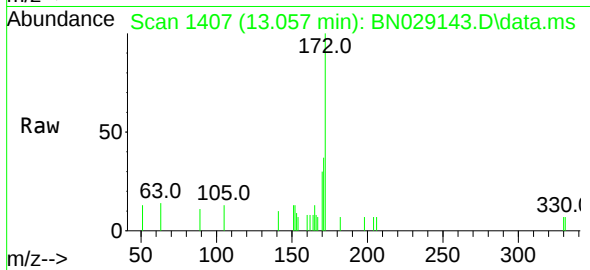
#15
2-Fluorobiphenyl
Concen: 0.156 ng
RT: 13.057 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

Instrument :
BNA_N
ClientSampleId :
P-13(10-15)RE

Tgt Ion:172 Resp: 970
Ion Ratio Lower Upper
172 100
171 37.3 32.2 48.4
170 29.9 25.0 37.4

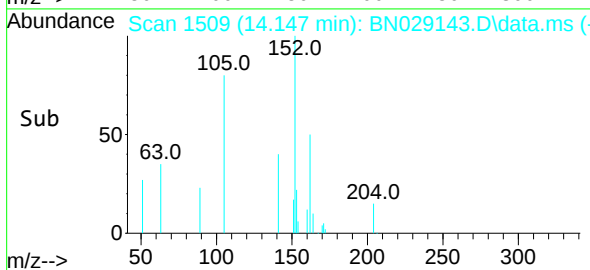
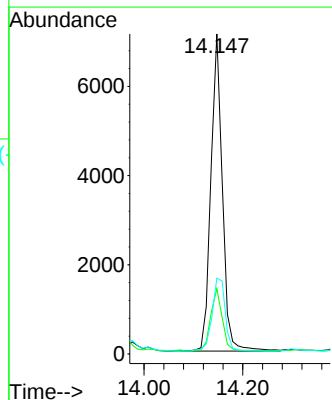
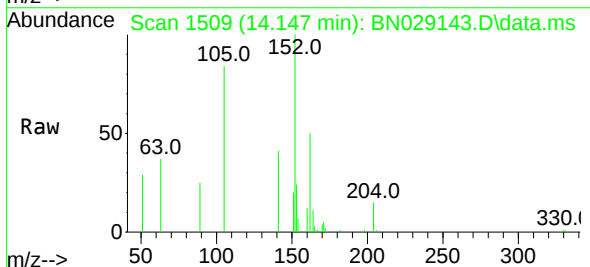
Manual Integrations
APPROVED

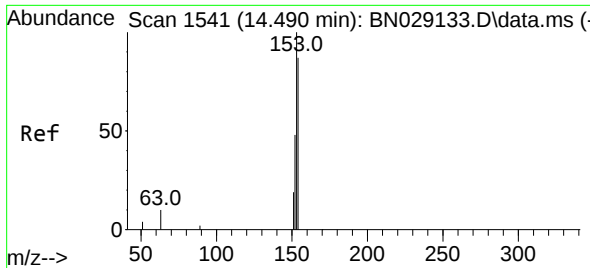
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#16
Acenaphthylene
Concen: 1.524 ng
RT: 14.147 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

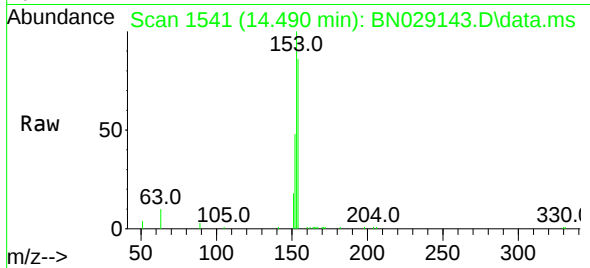
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Ion Ratio Lower Upper
152 100
151 19.7 16.3 24.5
153 26.7 10.1 15.1#





#17
Acenaphthene
Concen: 2.346 ng
RT: 14.490 min Scan# 1541
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

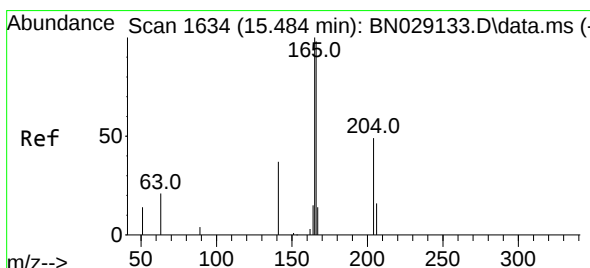
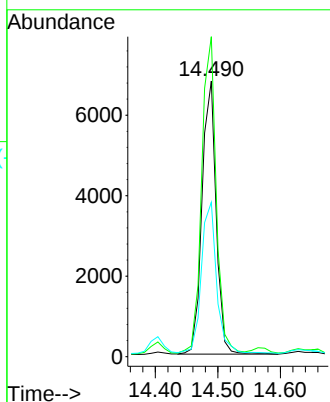
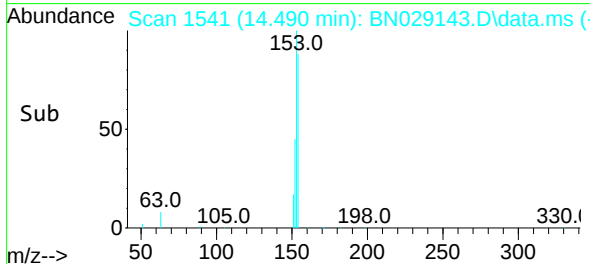
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)RE



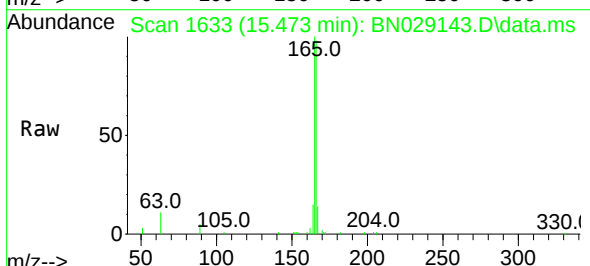
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Ion Ratio Lower Upper
154 100
153 118.4 99.9 149.9
152 59.8 47.4 71.2

Manual Integrations
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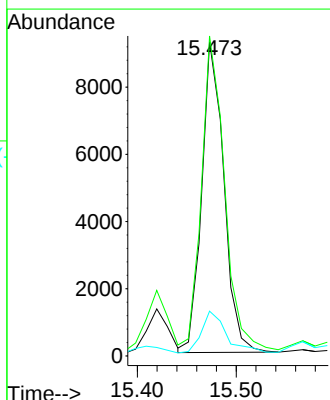
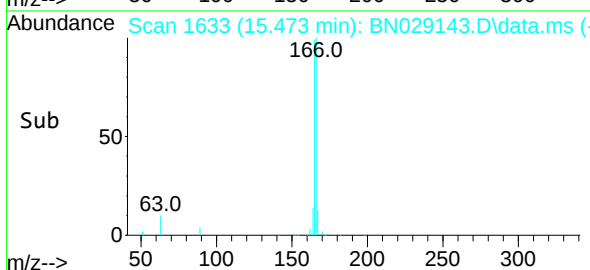
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

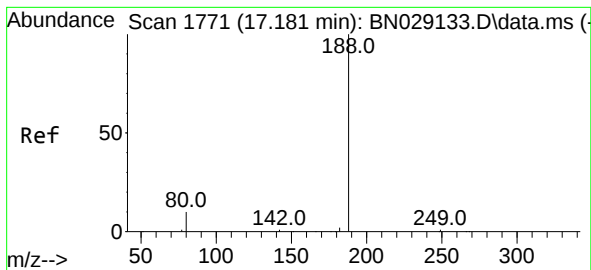


#18
Fluorene
Concen: 2.461 ng
RT: 15.473 min Scan# 1633
Delta R.T. -0.011 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13



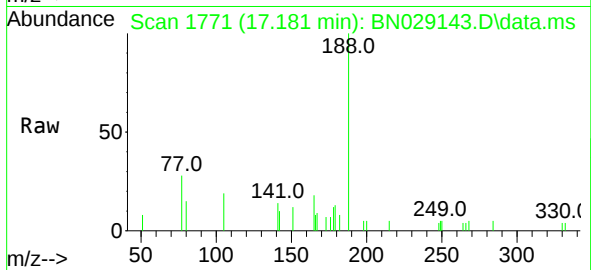
Tgt Ion:166 Resp: 15052
Ion Ratio Lower Upper
166 100
165 104.3 83.4 125.0
167 15.0 11.8 17.8





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.181 min Scan# 1771
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

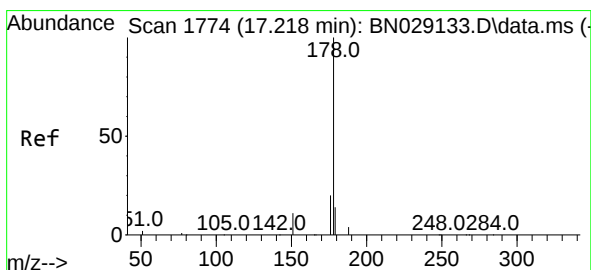
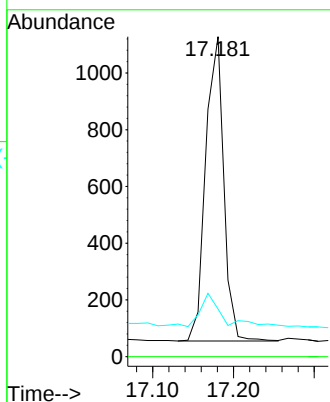
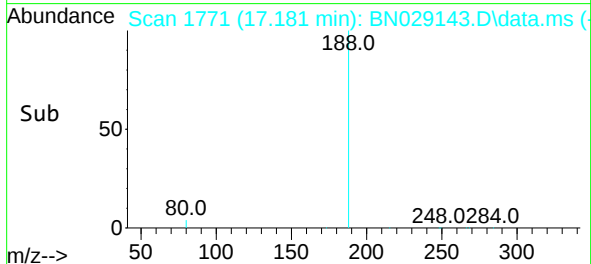
Instrument : BNA_N
ClientSampleId : P-13(10-15)RE



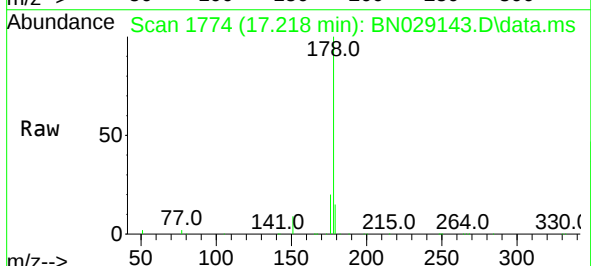
Tgt Ion:188 Resp: 167
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.9 13.7 20.5

Manual Integrations
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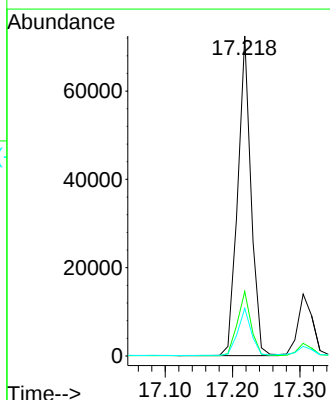
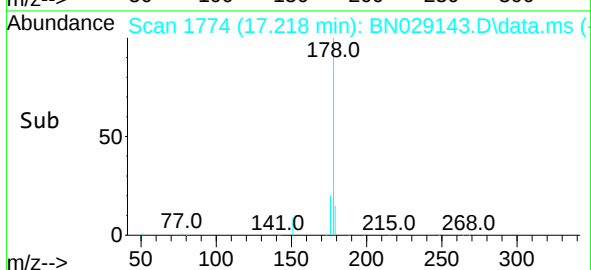
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

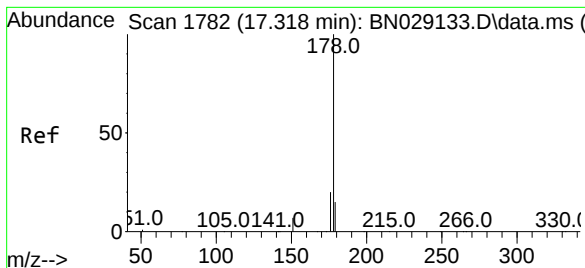


#25
Phenanthrene
Concen: 14.399 ng
RT: 17.218 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13



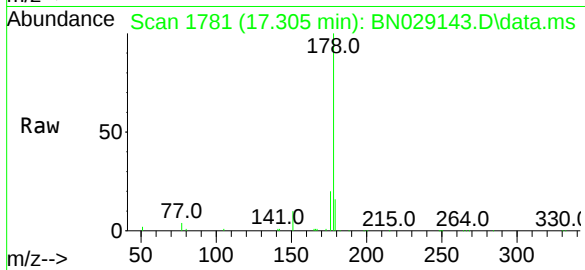
Tgt Ion:178 Resp: 99391
Ion Ratio Lower Upper
178 100
176 20.3 17.4 26.0
179 15.1 13.7 20.5





#26
 Anthracene
 Concen: 2.998 ng
 RT: 17.305 min Scan# 11
 Delta R.T. -0.013 min
 Lab File: BN029143.D
 Acq: 20 Dec 2023 20:13

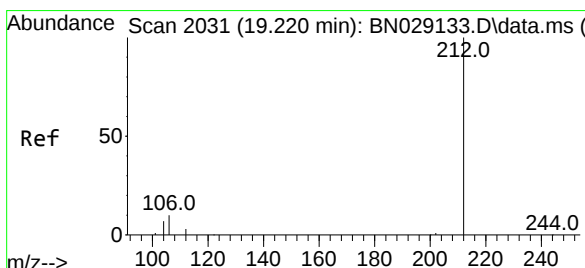
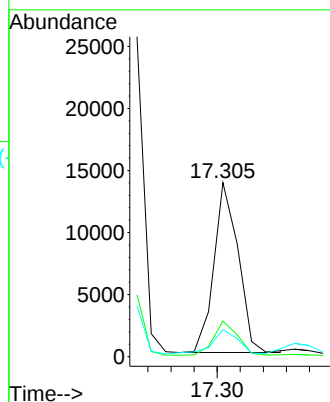
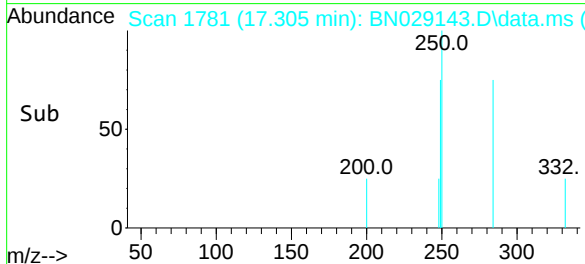
Instrument :
 BNA_N
 ClientSampleId :
 P-13(10-15)RE



Tgt Ion:178 Resp: 2000
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.8 23.8
 179 15.2 11.4 17.0

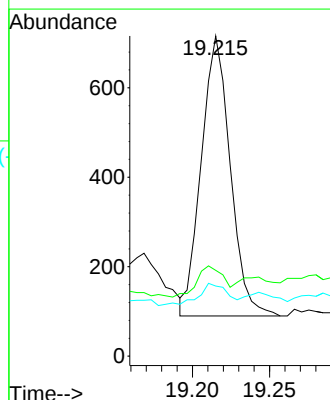
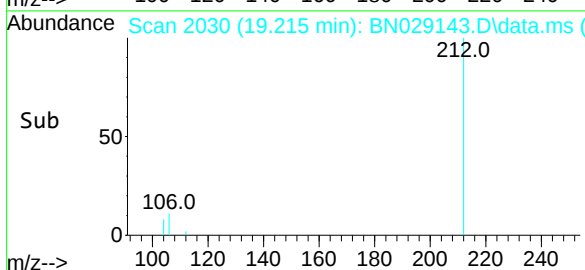
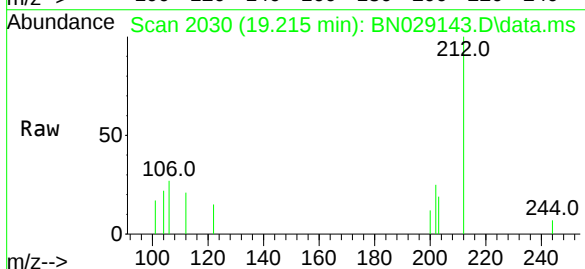
Manual Integrations
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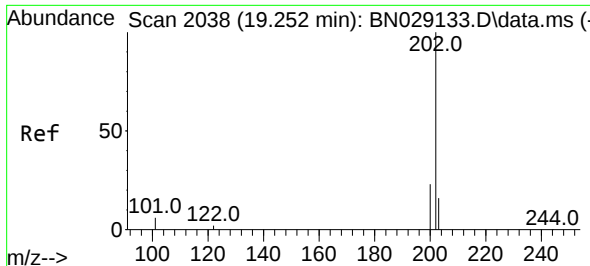
Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023



#27
 Fluoranthene-d10
 Concen: 0.202 ng
 RT: 19.215 min Scan# 2030
 Delta R.T. -0.005 min
 Lab File: BN029143.D
 Acq: 20 Dec 2023 20:13

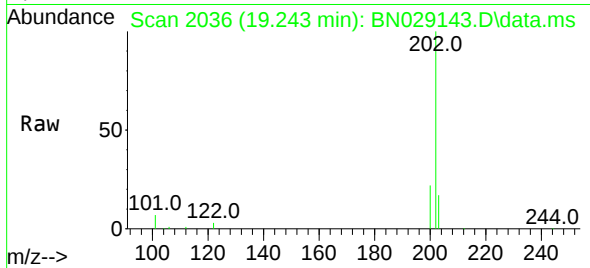
Tgt Ion:212 Resp: 818
 Ion Ratio Lower Upper
 212 100
 106 10.1 9.6 14.4
 104 7.5 6.5 9.7





#28
Fluoranthene
Concen: 5.524 ng
RT: 19.243 min Scan# 2038
Delta R.T. -0.010 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

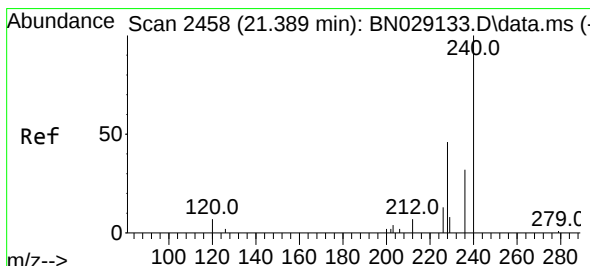
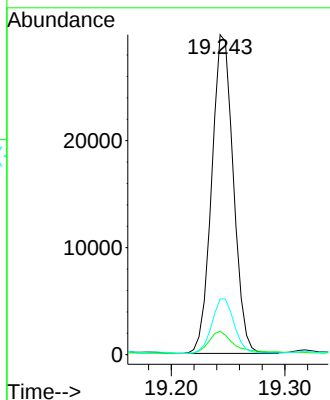
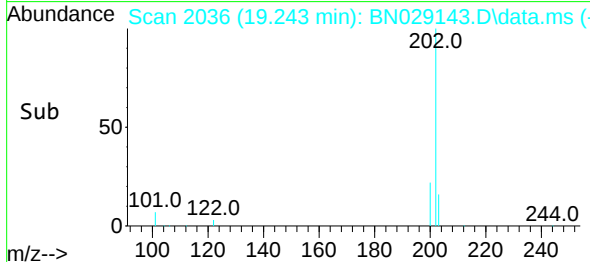
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)RE



Tgt Ion:202 Resp: 39420
Ion Ratio Lower Upper
202 100
101 8.8 5.3 7.9
203 17.6 13.8 20.6

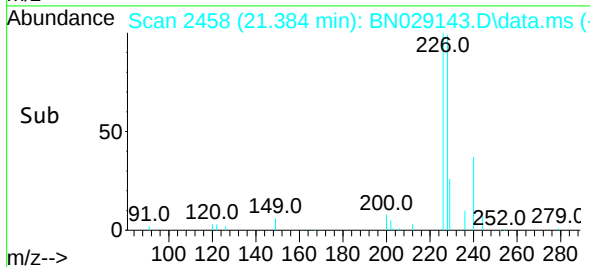
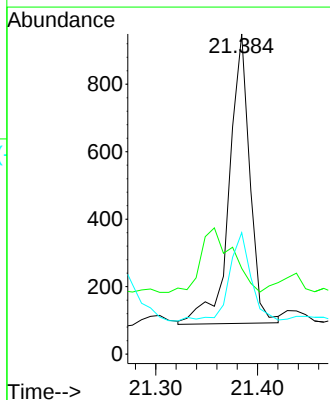
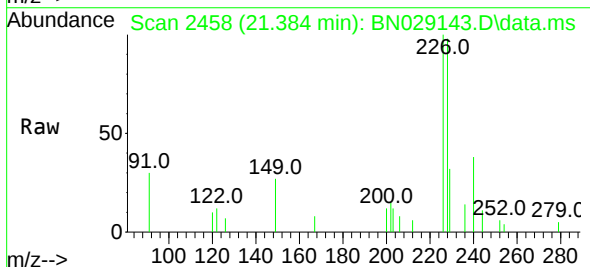
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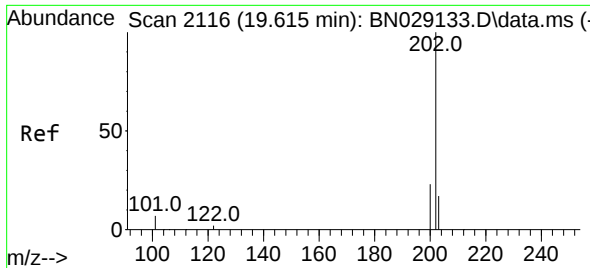
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.384 min Scan# 2458
Delta R.T. -0.005 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

Tgt Ion:240 Resp: 1211
Ion Ratio Lower Upper
240 100
120 26.8 21.4 32.0
236 37.9 33.5 50.3





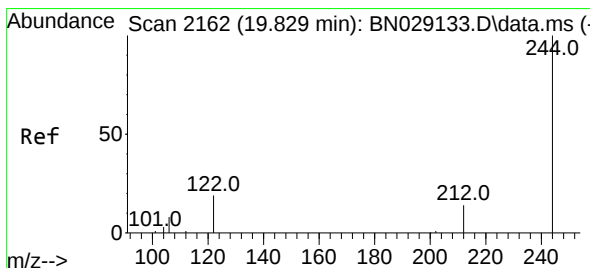
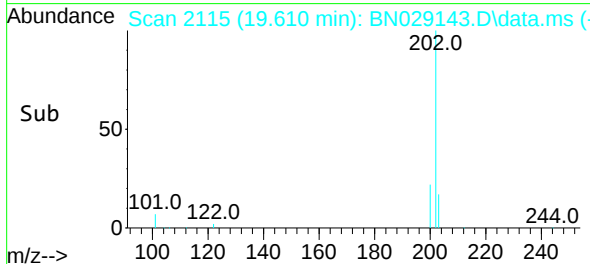
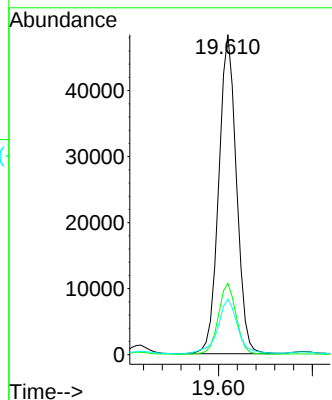
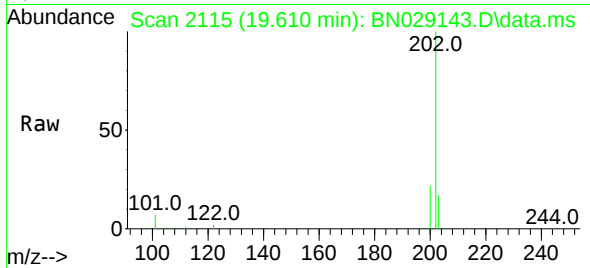
#30
Pyrene
Concen: 6.628 ng
RT: 19.610 min Scan# 2116
Delta R.T. -0.005 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

Instrument :
BNA_N
ClientSampleId :
P-13(10-15)RE

Tgt Ion:202 Resp: 6322
Ion Ratio Lower Upper
202 100
200 22.3 18.0 27.0
203 19.1 15.1 22.7

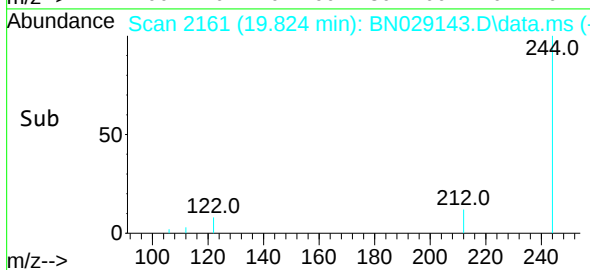
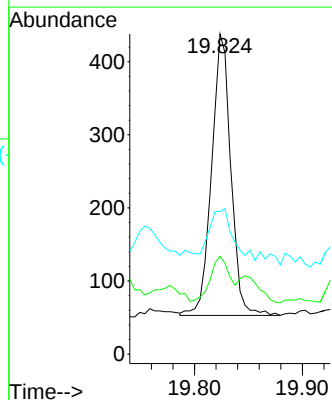
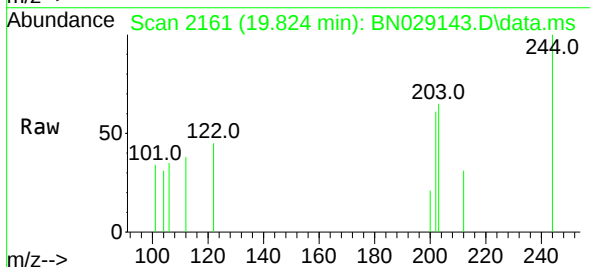
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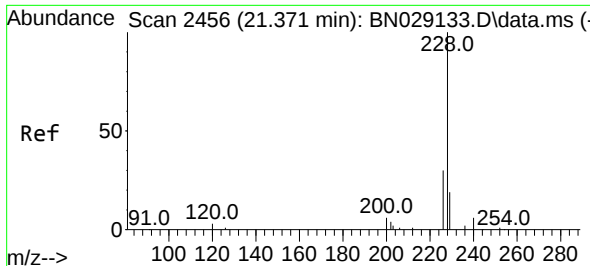
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#31
Terphenyl-d14
Concen: 0.143 ng
RT: 19.824 min Scan# 2161
Delta R.T. -0.005 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

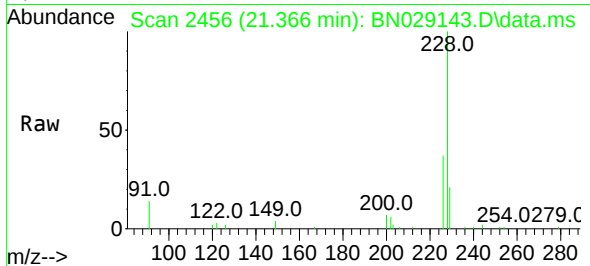
Tgt Ion:244 Resp: 477
Ion Ratio Lower Upper
244 100
212 30.6 19.0 28.6#
122 44.5 22.5 33.7#





#32
Benzo(a)anthracene
Concen: 3.333 ng
RT: 21.366 min Scan# 2456
Delta R.T. -0.005 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

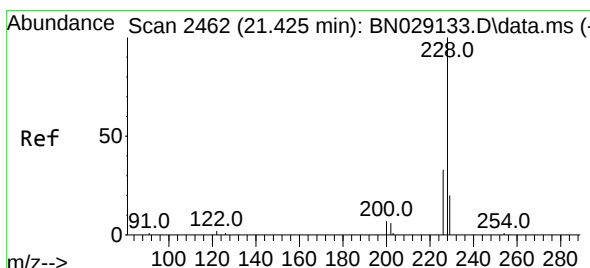
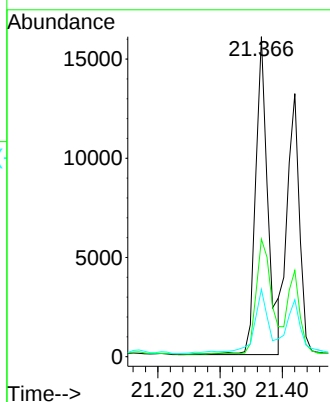
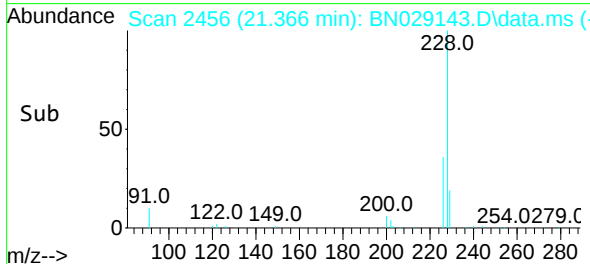
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)RE



Tgt Ion:228 Resp: 2219
Ion Ratio Lower Upper
228 100
226 36.8 27.6 41.4
229 21.0 19.4 29.0

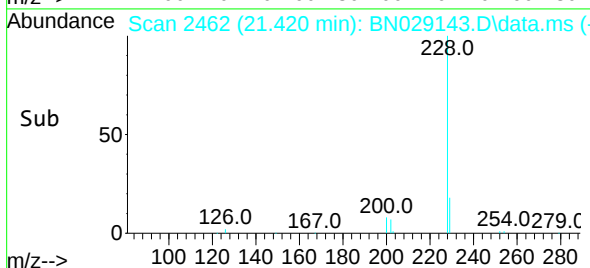
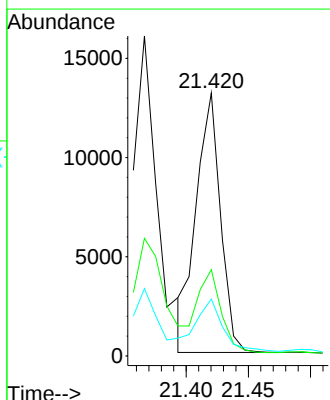
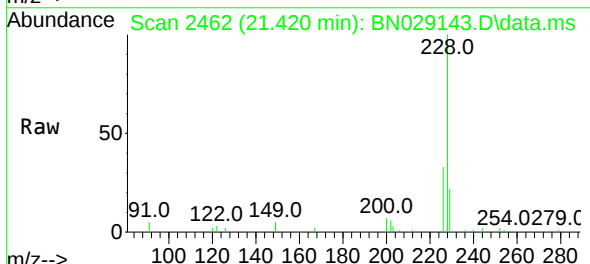
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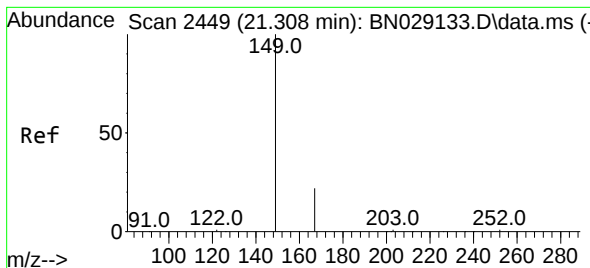
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#33
Chrysene
Concen: 2.708 ng
RT: 21.420 min Scan# 2462
Delta R.T. -0.005 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

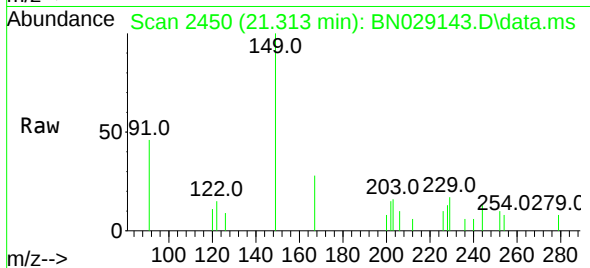
Tgt Ion:228 Resp: 17831
Ion Ratio Lower Upper
228 100
226 32.8 29.2 43.8
229 21.6 19.3 28.9





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.105 ng
 RT: 21.313 min Scan# 2449
 Delta R.T. 0.004 min
 Lab File: BN029143.D
 Acq: 20 Dec 2023 20:13

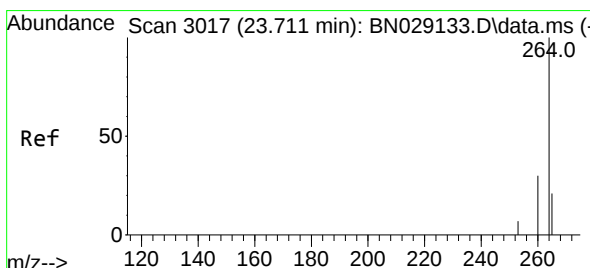
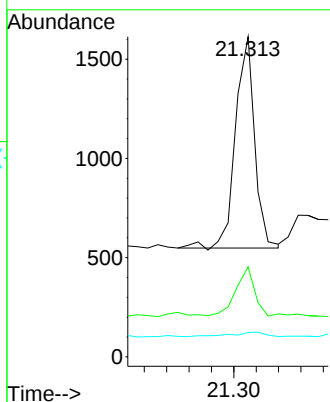
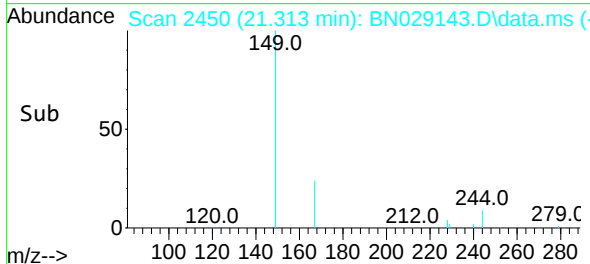
Instrument :
 BNA_N
 ClientSampleId :
 P-13(10-15)RE



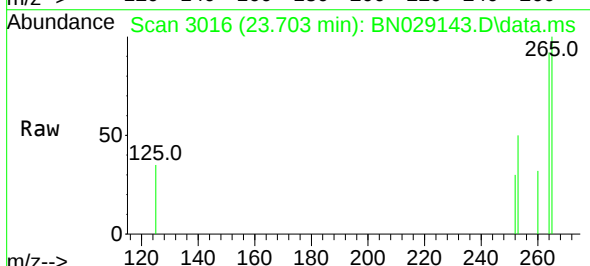
Tgt Ion:149 Resp: 127
 Ion Ratio Lower Upper
 149 100
 167 22.6 20.2 30.2
 279 3.8 2.5 3.7

Manual Integrations
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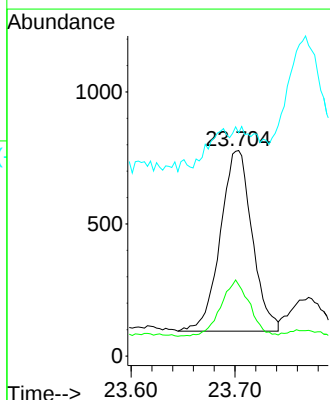
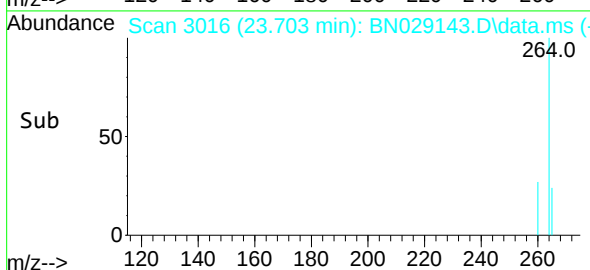
Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023

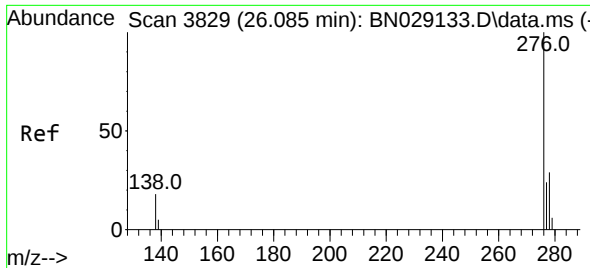


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.703 min Scan# 3016
 Delta R.T. -0.008 min
 Lab File: BN029143.D
 Acq: 20 Dec 2023 20:13



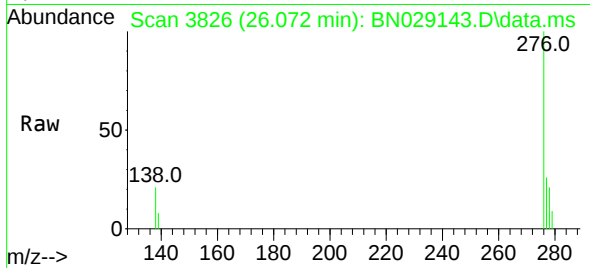
Tgt Ion:264 Resp: 1457
 Ion Ratio Lower Upper
 264 100
 260 34.7 31.0 46.6
 265 108.6 105.3 157.9





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.071 ng
RT: 26.072 min Scan# 3826
Delta R.T. -0.013 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

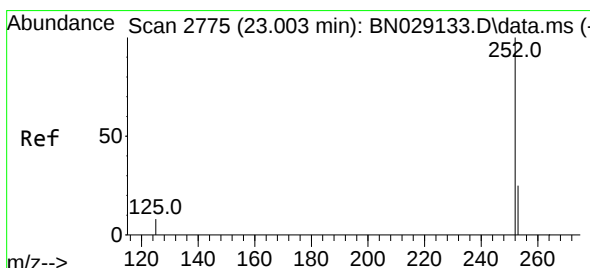
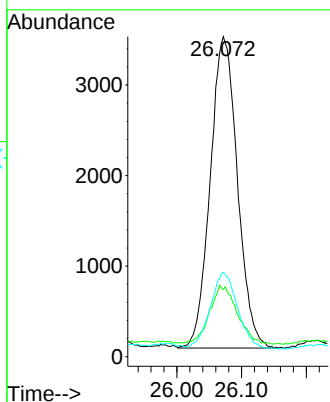
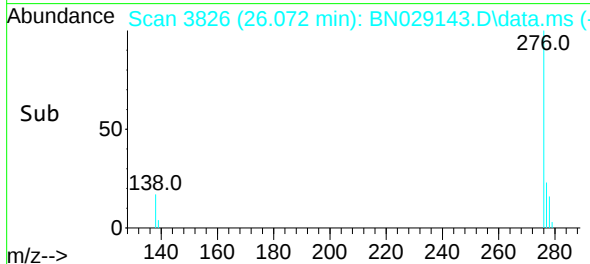
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)RE



Tgt Ion:276 Resp: 10052
Ion Ratio Lower Upper
276 100
138 19.0 7.8 11.6#
277 25.1 9.2 13.8#

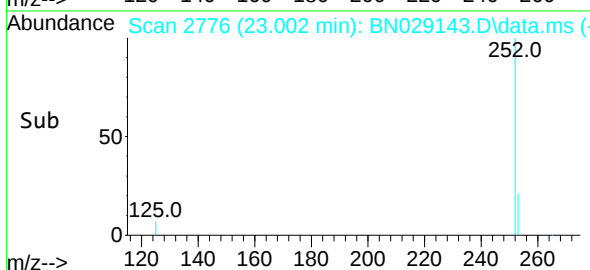
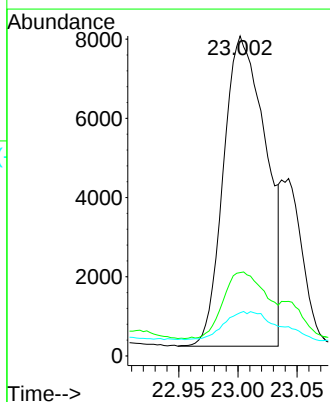
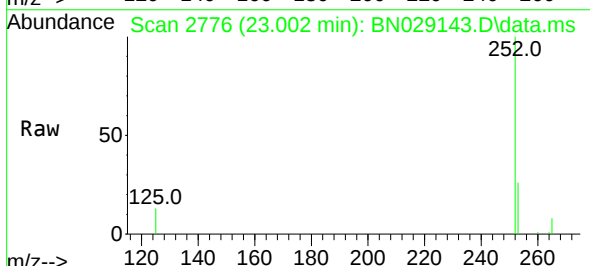
Manual Integrations
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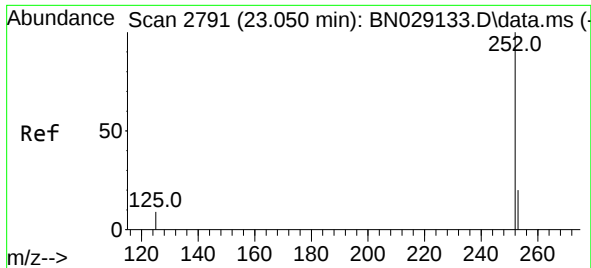
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#37
Benzo(b)fluoranthene
Concen: 2.636 ng
RT: 23.002 min Scan# 2776
Delta R.T. -0.002 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

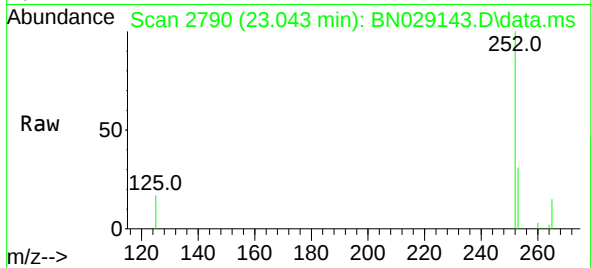
Tgt Ion:252 Resp: 19530
Ion Ratio Lower Upper
252 100
253 26.1 36.0 54.0#
125 13.5 14.6 21.8#





#38
Benzo(k)fluoranthene
Concen: 0.775 ng m
RT: 23.043 min Scan# 21
Delta R.T. -0.007 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

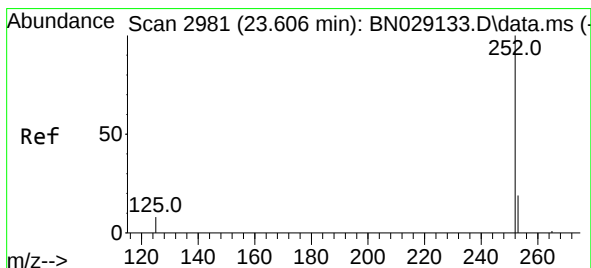
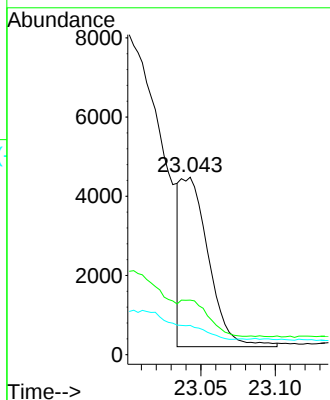
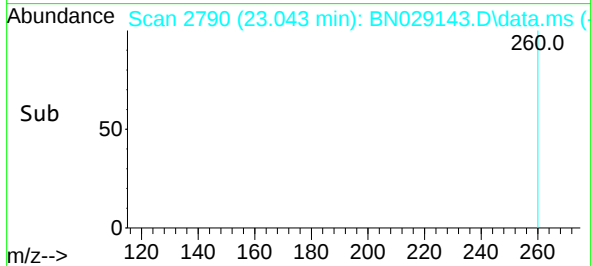
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)RE



Tgt Ion:252 Resp: 5629
Ion Ratio Lower Upper
252 100
253 30.8 35.0 52.6
125 16.5 14.6 21.8

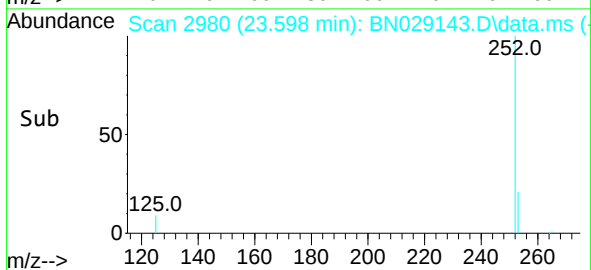
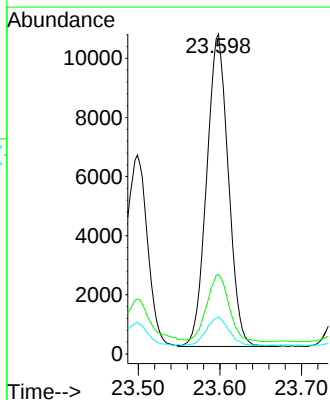
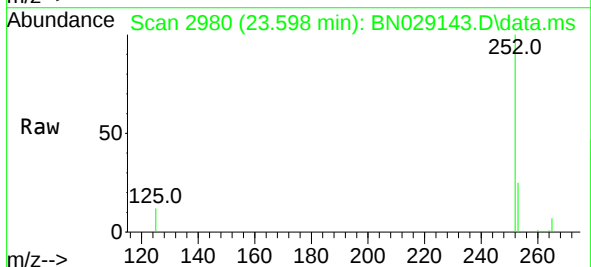
Manual Integrations
APPROVED

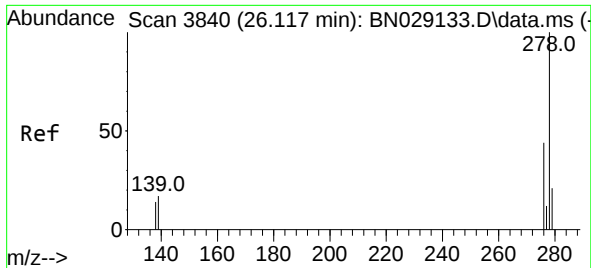
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#39
Benzo(a)pyrene
Concen: 2.940 ng
RT: 23.598 min Scan# 2980
Delta R.T. -0.007 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

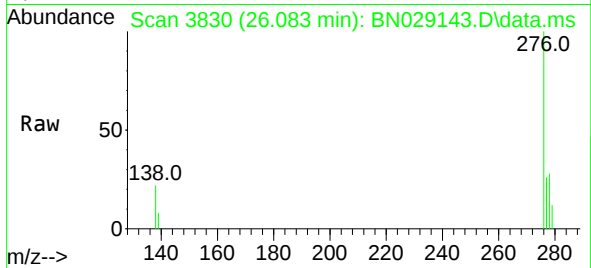
Tgt Ion:252 Resp: 19442
Ion Ratio Lower Upper
252 100
253 24.8 40.3 60.5#
125 11.5 16.7 25.1#





#40
Dibenzo(a,h)anthracene
Concen: 0.399 ng
RT: 26.083 min Scan# 3840
Delta R.T. -0.034 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13

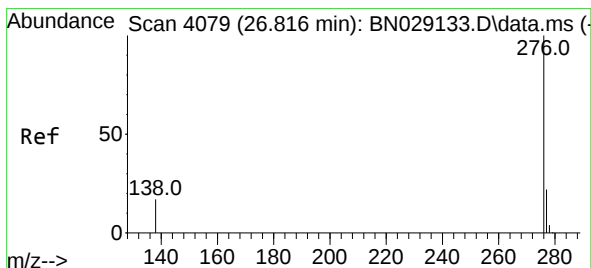
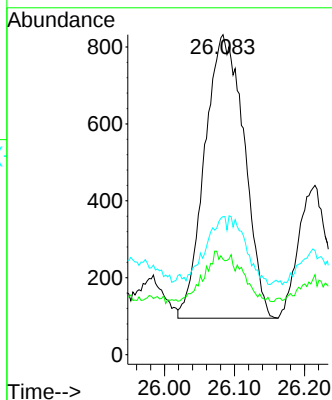
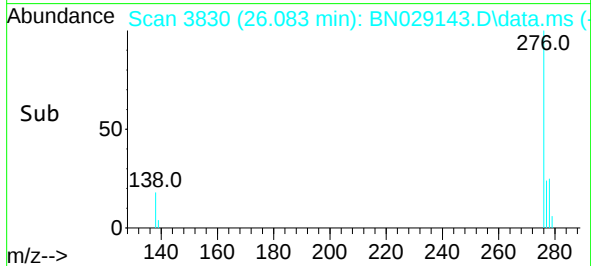
Instrument :
BNA_N
ClientSampleId :
P-13(10-15)RE



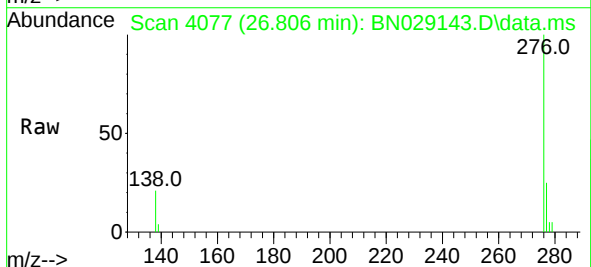
Tgt Ion:278 Resp: 288
Ion Ratio Lower Upper
278 100
139 29.8 24.2 36.2
279 43.1 34.9 52.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#41
Benzo(g,h,i)perylene
Concen: 1.444 ng m
RT: 26.806 min Scan# 4077
Delta R.T. -0.010 min
Lab File: BN029143.D
Acq: 20 Dec 2023 20:13



Tgt Ion:276 Resp: 11477
Ion Ratio Lower Upper
276 100
277 25.2 25.5 38.3#
138 21.5 22.9 34.3#

