

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110823\
 Data File : BN028509.D
 Acq On : 08 Nov 2023 21:31
 Operator : MA/JU
 Sample : 05196-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PE-7-SOUTHSIDE-BASE

Quant Time: Nov 08 23:30:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 08 00:27:19 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/09/2023
 Supervised By :mohammad ahmed 11/09/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	10500	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	33539	0.400	ng	#-0.01
13) Acenaphthene-d10	14.353	164	19543	0.400	ng	-0.01
19) Phenanthrene-d10	17.109	188	40638	0.400	ng	0.00
29) Chrysene-d12	21.320	240	29872	0.400	ng	# 0.00
35) Perylene-d12	23.637	264	25155	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	8315	0.265	ng	0.00
5) Phenol-d6	6.879	99	10798	0.268	ng	0.00
8) Nitrobenzene-d5	8.865	82	7009	0.234	ng	0.00
11) 2-Methylnaphthalene-d10	12.098	152	14967	0.257	ng	0.00
14) 2,4,6-Tribromophenol	15.856	330	2172	0.198	ng	0.00
15) 2-Fluorobiphenyl	12.985	172	20005	0.233	ng	0.00
27) Fluoranthene-d10	19.148	212	30344	0.244	ng	0.00
31) Terphenyl-d14	19.761	244	19886	0.250	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.552	128	10001	0.096	ng	96
12) 2-Methylnaphthalene	12.170	142	5204	0.073	ng	# 94
16) Acenaphthylene	14.075	152	18222	0.177	ng	97
17) Acenaphthene	14.418	154	18651	0.272	ng	99
18) Fluorene	15.412	166	16077	0.166	ng	# 97
25) Phenanthrene	17.146	178	350446	2.600	ng	100
26) Anthracene	17.233	178	65069	0.527	ng	# 94
28) Fluoranthene	19.181	202	764213	4.730	ng	99
30) Pyrene	19.543	202	691198	4.859	ng	# 95
32) Benzo(a)anthracene	21.311	228	367016	2.940	ng	98
33) Chrysene	21.356	228	344085	2.760	ng	97
34) Bis(2-ethylhexyl)phtha...	21.257	149	180827	2.341	ng	99
36) Indeno(1,2,3-cd)pyrene	26.009	276	175735	1.732	ng	97
37) Benzo(b)fluoranthene	22.942	252	418182	4.034	ng	97
38) Benzo(k)fluoranthene	22.983	252	150828m	1.491	ng	
39) Benzo(a)pyrene	23.535	252	269190	3.039	ng	96
40) Dibenzo(a,h)anthracene	26.026	278	44013	0.556	ng	96
41) Benzo(g,h,i)perylene	26.737	276	176137	2.010	ng	100

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

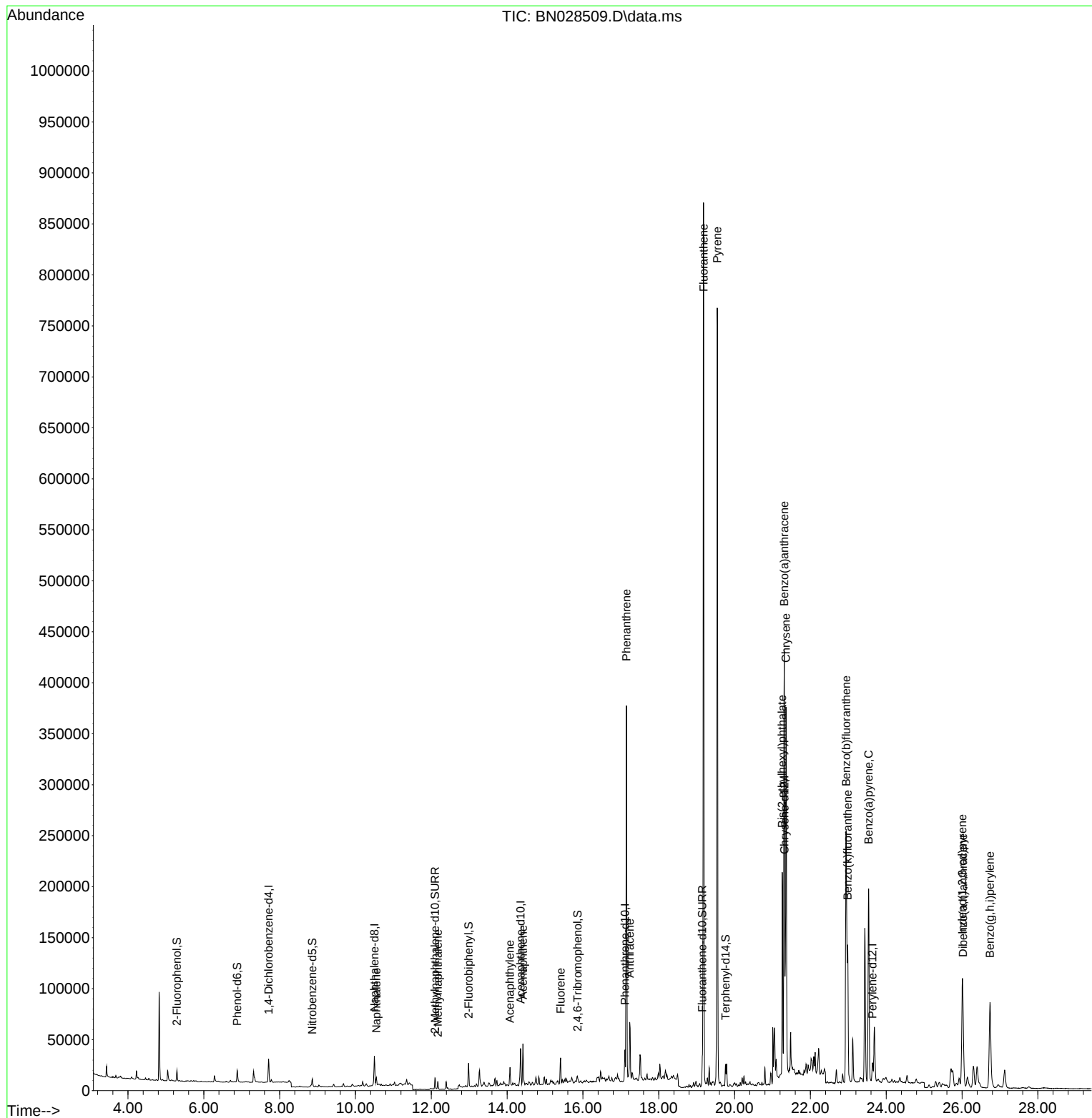
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110823\
Data File : BN028509.D
Acq On : 08 Nov 2023 21:31
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ALS Vial : 14 Sample Multiplier: 1

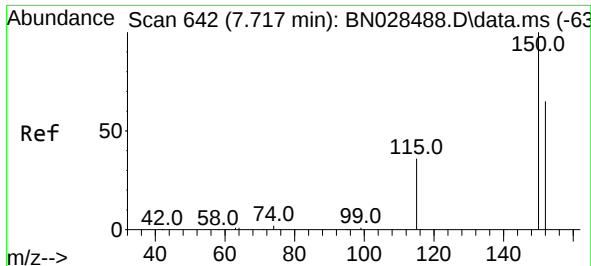
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE

Quant Time: Nov 08 23:30:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN110723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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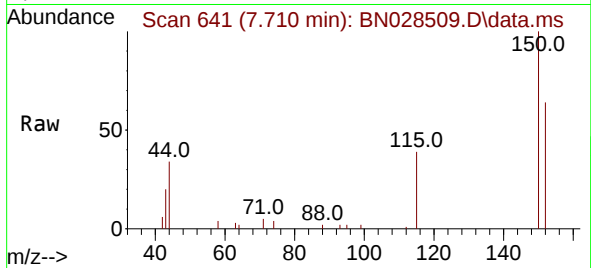
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 642
Delta R.T. -0.007 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

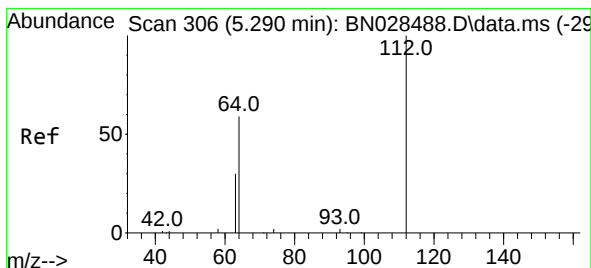
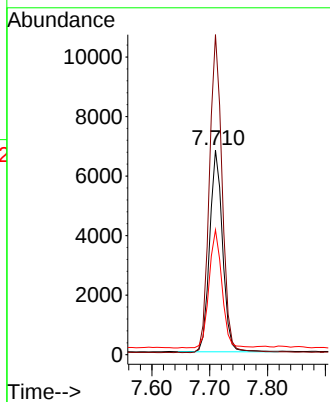
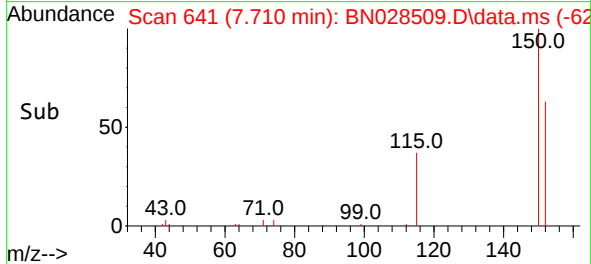
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE



Tgt Ion:152 Resp: 10500
Ion Ratio Lower Upper
152 100
150 156.4 122.5 183.7
115 61.0 47.5 71.3

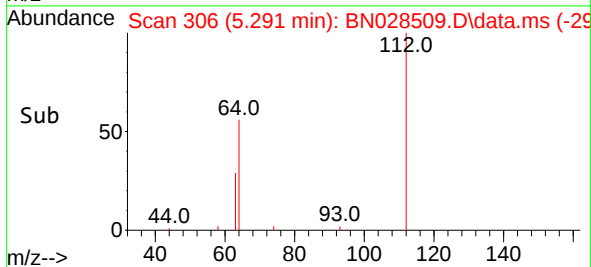
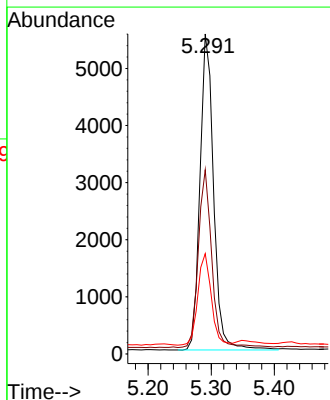
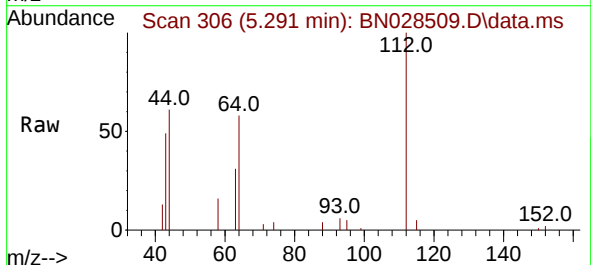
Manual Integrations
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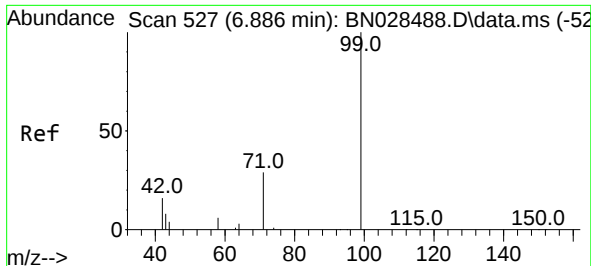
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



#4
2-Fluorophenol
Concen: 0.265 ng
RT: 5.291 min Scan# 306
Delta R.T. 0.000 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

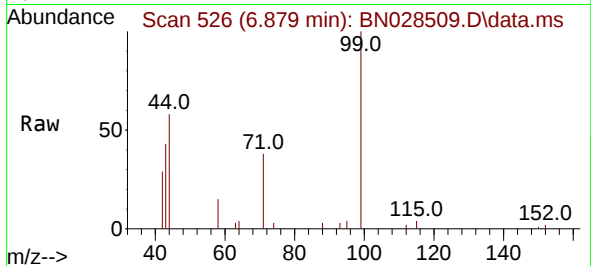
Tgt Ion:112 Resp: 8315
Ion Ratio Lower Upper
112 100
64 55.6 44.6 67.0
63 28.6 23.3 34.9





#5
Phenol-d6
Concen: 0.268 ng
RT: 6.879 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

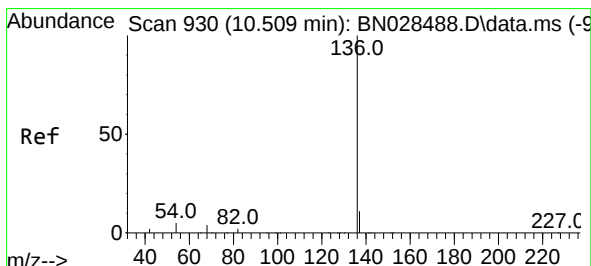
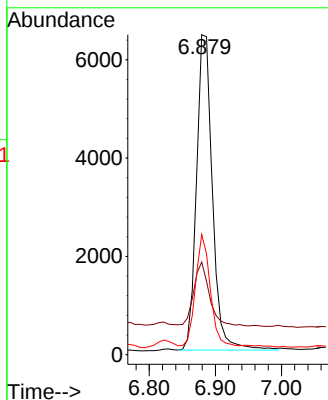
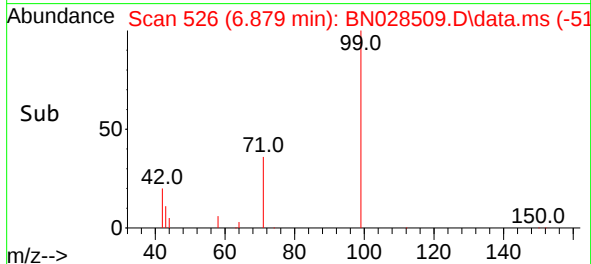
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE



Tgt Ion: 99 Resp: 10798
Ion Ratio Lower Upper
99 100
42 20.5 15.8 23.8
71 32.5 25.1 37.7

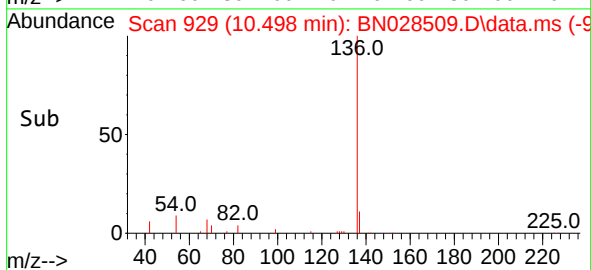
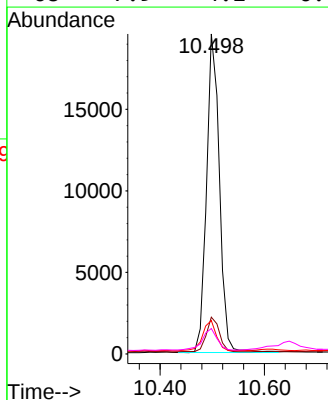
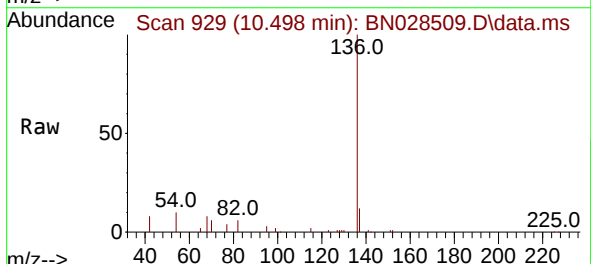
Manual Integrations
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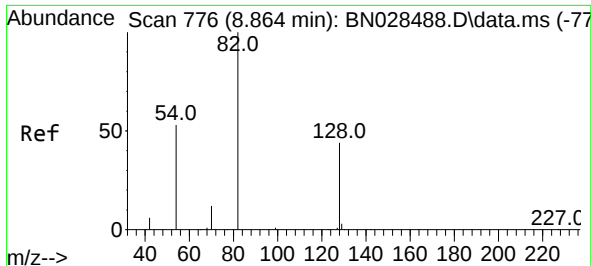
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 929
Delta R.T. -0.011 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

Tgt Ion:136 Resp: 33539
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.4
54 10.4 5.1 7.7#
68 7.9 4.2 6.4#





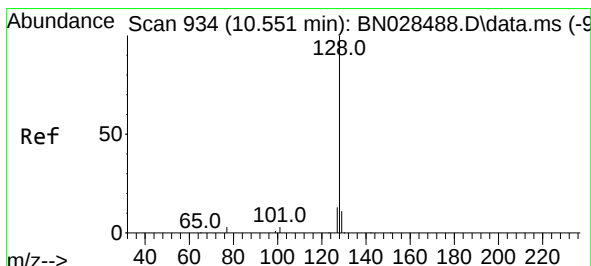
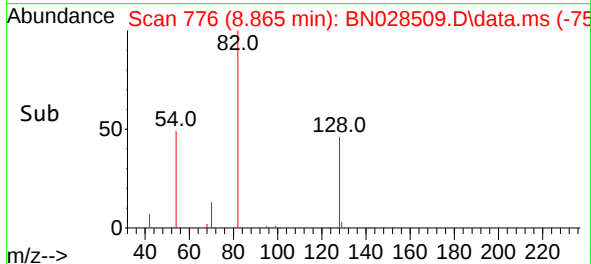
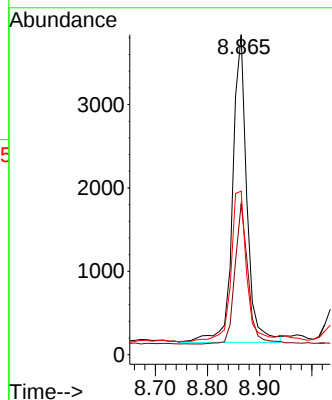
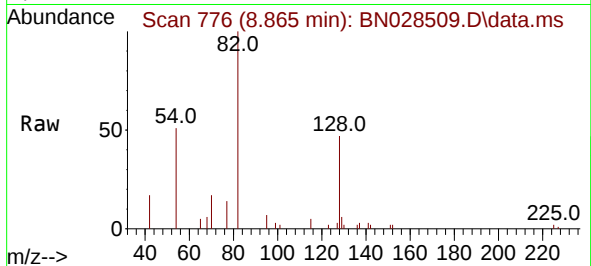
#8
Nitrobenzene-d5
Concen: 0.234 ng
RT: 8.865 min Scan# 776
Delta R.T. 0.000 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE

Tgt Ion: 82 Resp: 7009
Ion Ratio Lower Upper
82 100
128 47.1 36.5 54.7
54 51.1 43.8 65.8

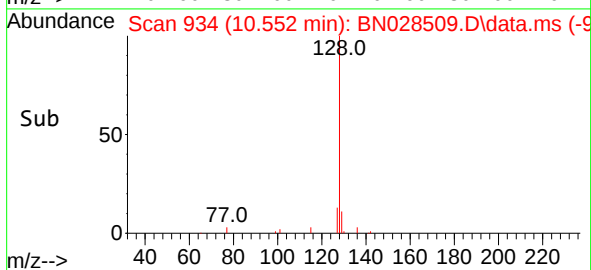
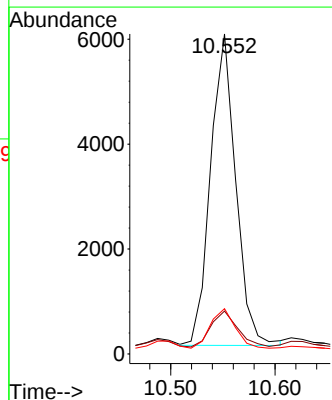
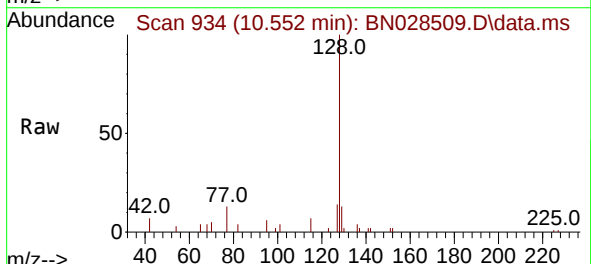
Manual Integrations
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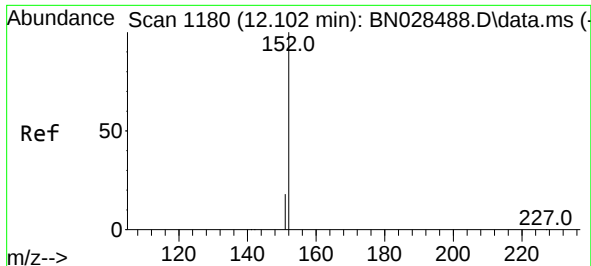
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



#9
Naphthalene
Concen: 0.096 ng
RT: 10.552 min Scan# 934
Delta R.T. 0.000 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

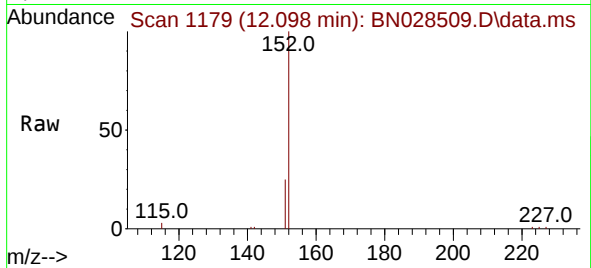
Tgt Ion:128 Resp: 10001
Ion Ratio Lower Upper
128 100
129 13.4 9.1 13.7
127 14.1 10.6 15.8





#11
2-Methylnaphthalene-d10
Concen: 0.257 ng
RT: 12.098 min Scan# 1179
Delta R.T. -0.004 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

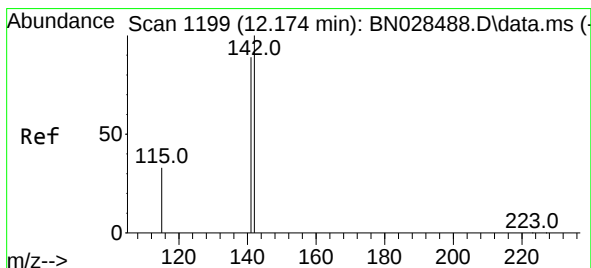
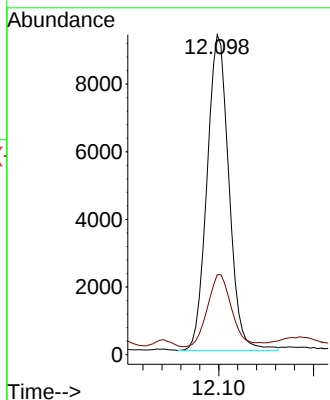
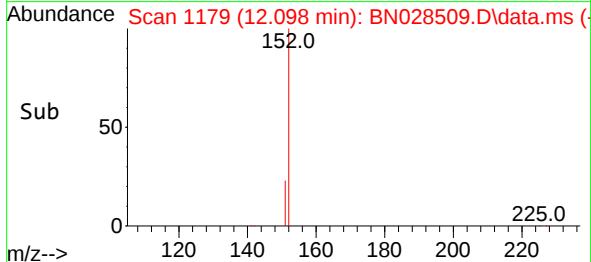
Instrument :
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ClientSampleId :
PE-7-SOUTHSIDE-BASE



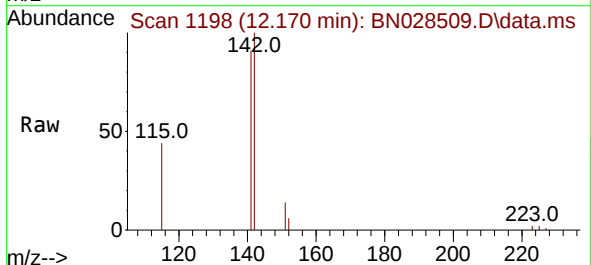
Tgt Ion:152 Resp: 1496
Ion Ratio Lower Upper
152 100
151 25.6 16.1 24.1

Manual Integrations
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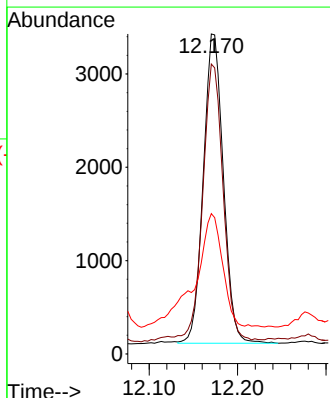
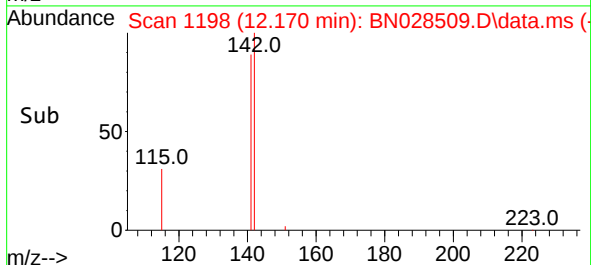
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

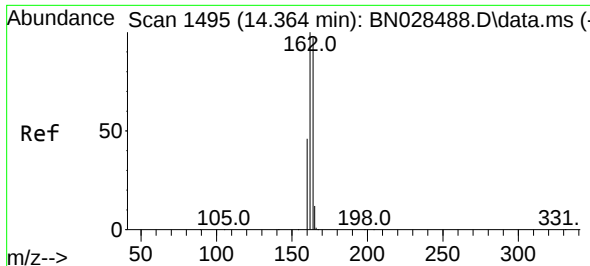


#12
2-Methylnaphthalene
Concen: 0.073 ng
RT: 12.170 min Scan# 1198
Delta R.T. -0.004 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31



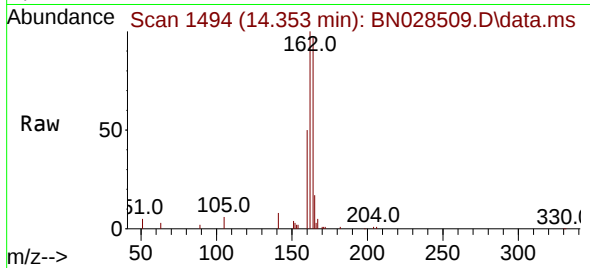
Tgt Ion:142 Resp: 5204
Ion Ratio Lower Upper
142 100
141 90.6 71.3 106.9
115 43.8 27.6 41.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.353 min Scan# 1494
Delta R.T. -0.011 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

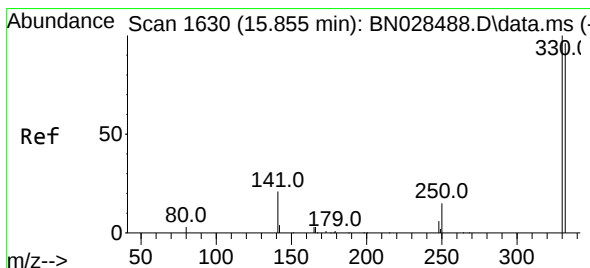
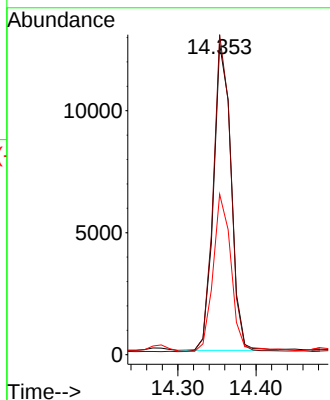
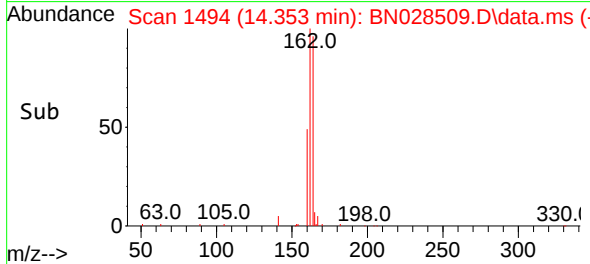
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ClientSampleId :
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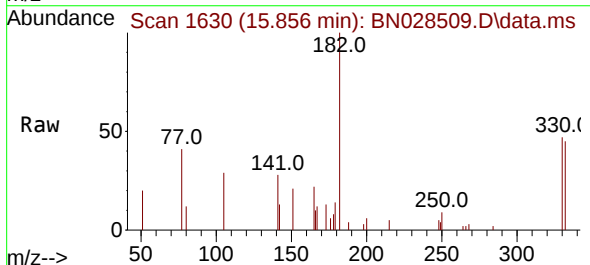
Tgt Ion:164 Resp: 1954
Ion Ratio Lower Upper
164 100
162 103.0 82.5 123.7
160 51.7 38.1 57.1

Manual Integrations
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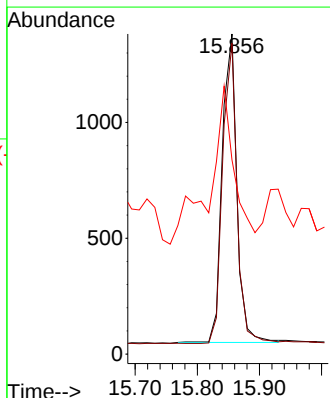
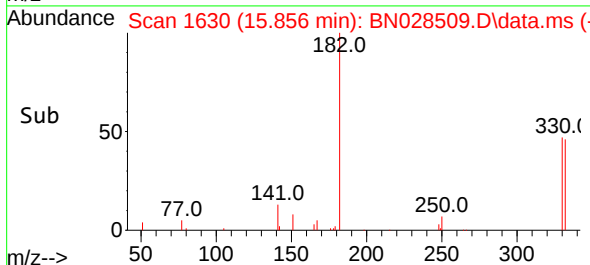
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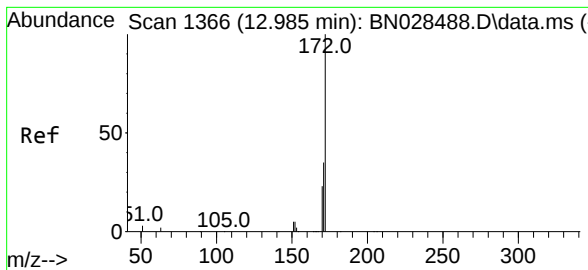


#14
2,4,6-Tribromophenol
Concen: 0.198 ng
RT: 15.856 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31



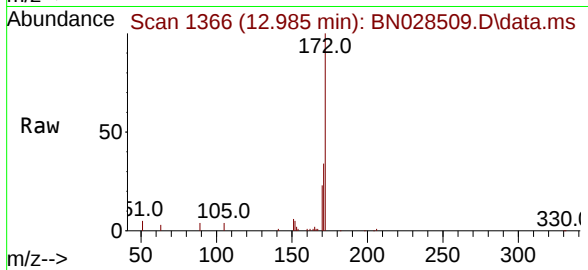
Tgt Ion:330 Resp: 2172
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.4
141 66.9 32.6 49.0#





#15
2-Fluorobiphenyl
Concen: 0.233 ng
RT: 12.985 min Scan# 1366
Delta R.T. 0.000 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

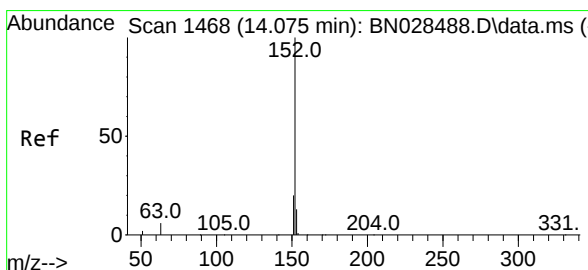
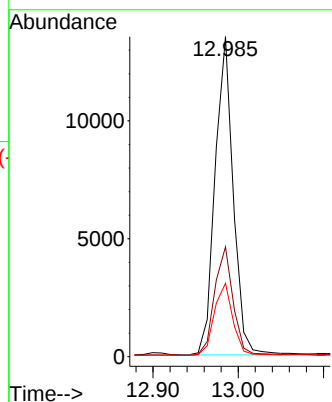
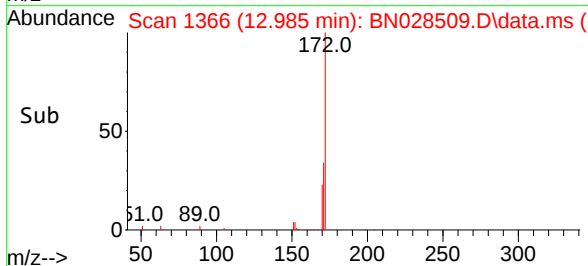
Instrument :
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ClientSampleId :
PE-7-SOUTHSIDE-BASE



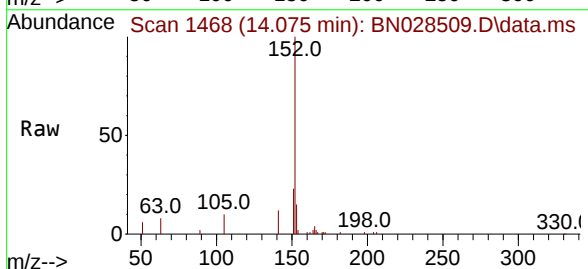
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Ion Ratio Lower Upper
172 100
171 34.3 27.9 41.9
170 23.0 18.9 28.3

Manual Integrations
APPROVED

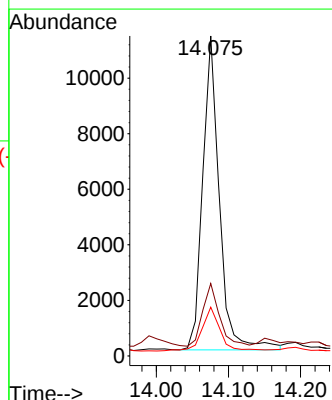
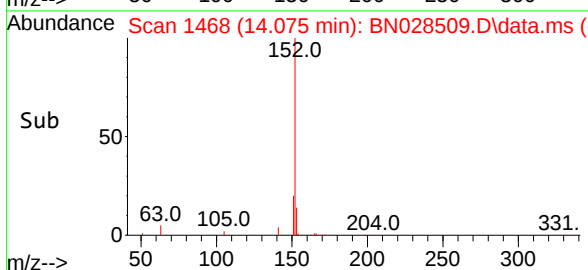
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

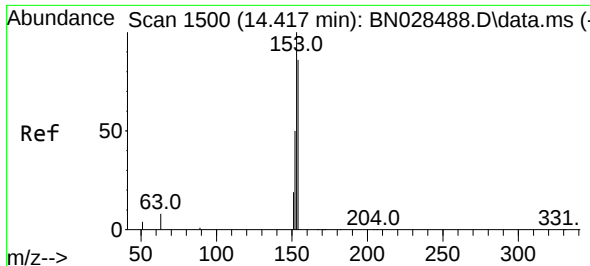


#16
Acenaphthylene
Concen: 0.177 ng
RT: 14.075 min Scan# 1468
Delta R.T. 0.000 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31



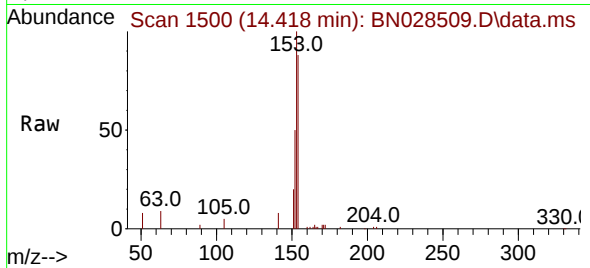
Tgt Ion:152 Resp: 18222
Ion Ratio Lower Upper
152 100
151 20.0 15.4 23.0
153 15.1 10.5 15.7





#17
Acenaphthene
Concen: 0.272 ng
RT: 14.418 min Scan# 1500
Delta R.T. 0.000 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

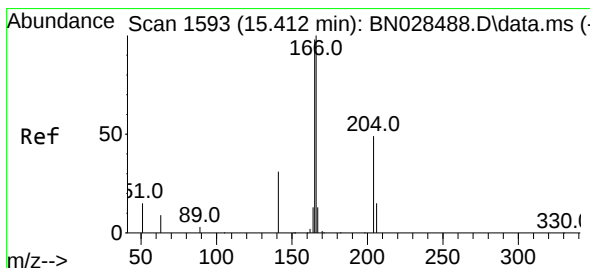
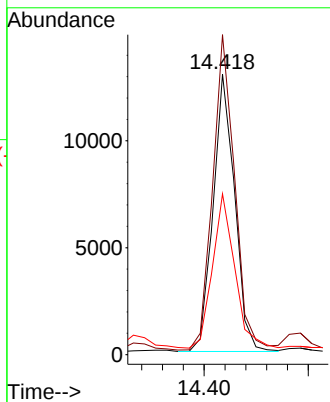
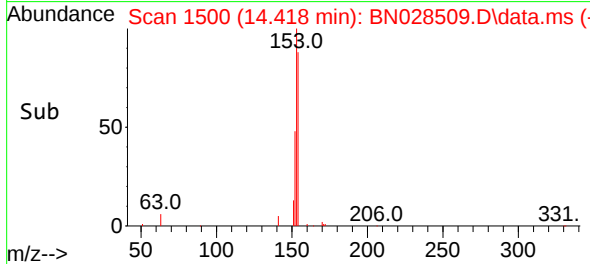
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE



Tgt Ion:154 Resp: 1865
Ion Ratio Lower Upper
154 100
153 114.9 92.0 138.0
152 58.5 45.4 68.0

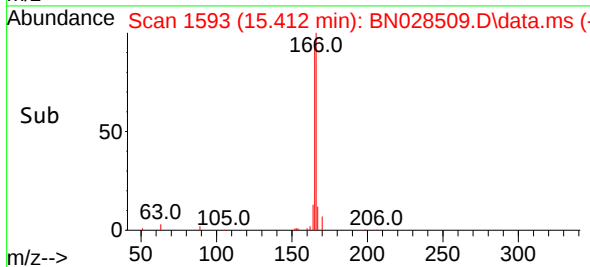
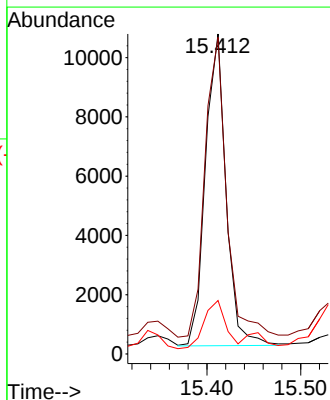
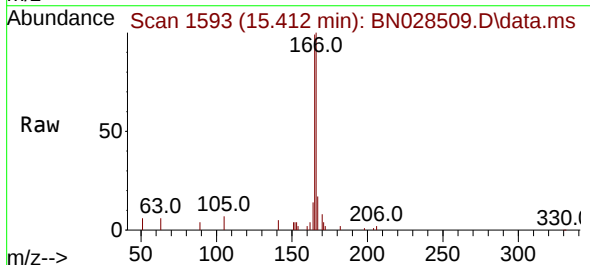
Manual Integrations
APPROVED

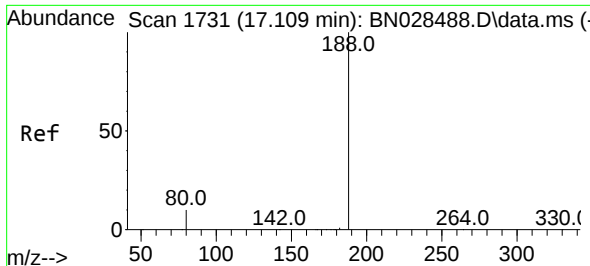
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



#18
Fluorene
Concen: 0.166 ng
RT: 15.412 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

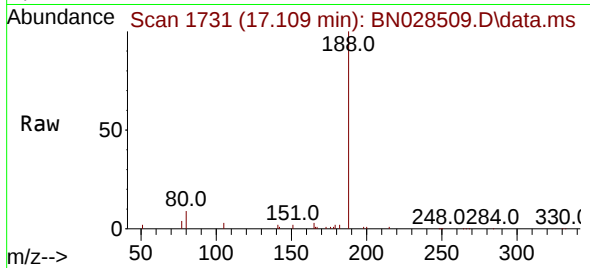
Tgt Ion:166 Resp: 16077
Ion Ratio Lower Upper
166 100
165 100.5 78.5 117.7
167 16.2 10.6 16.0#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.109 min Scan# 1731
Delta R.T. 0.000 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

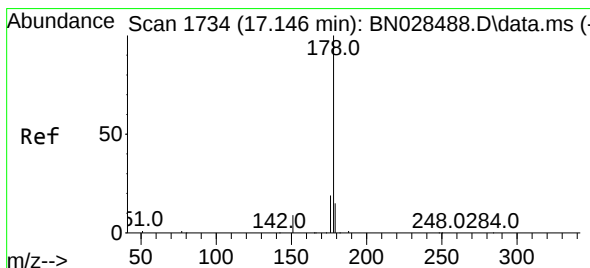
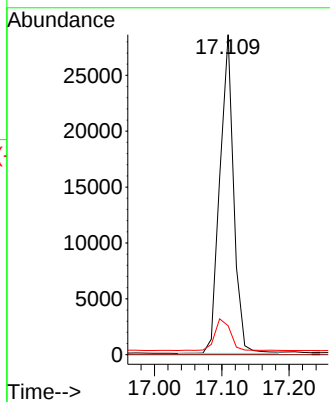
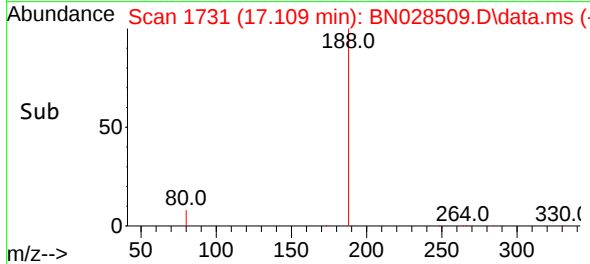
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE



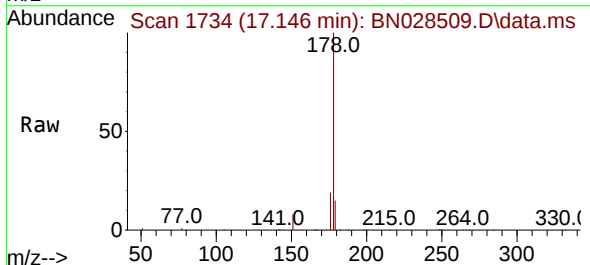
Tgt Ion:188 Resp: 40638
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.0 8.3 12.5

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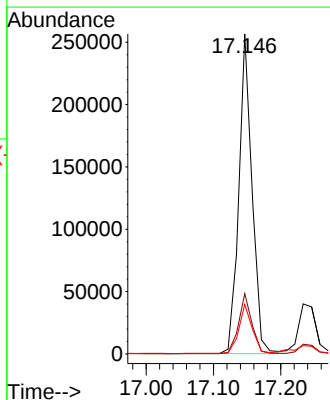
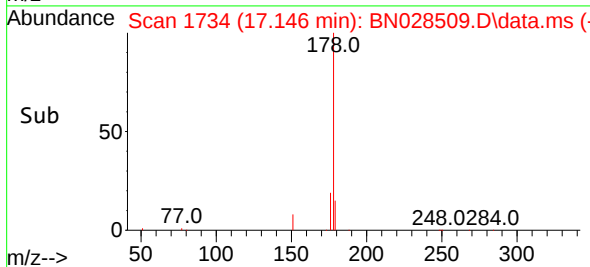
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023

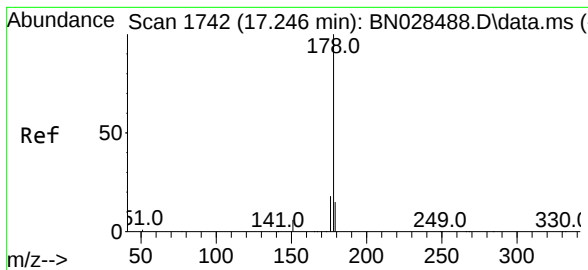


#25
Phenanthrene
Concen: 2.600 ng
RT: 17.146 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31



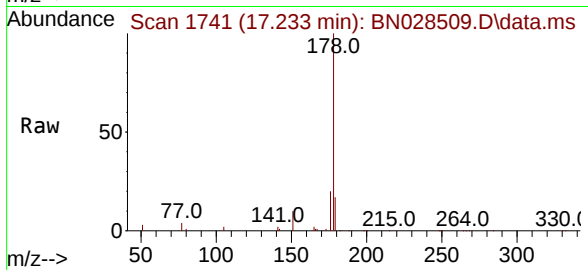
Tgt Ion:178 Resp: 350446
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.3 12.5 18.7





#26
 Anthracene
 Concen: 0.527 ng
 RT: 17.233 min Scan# 1741
 Delta R.T. -0.012 min
 Lab File: BN028509.D
 Acq: 08 Nov 2023 21:31

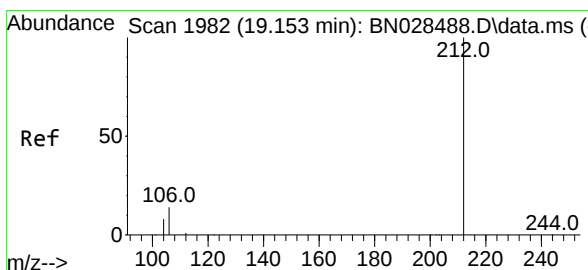
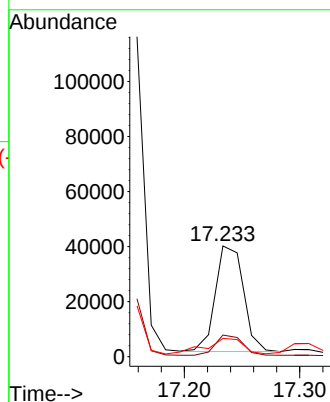
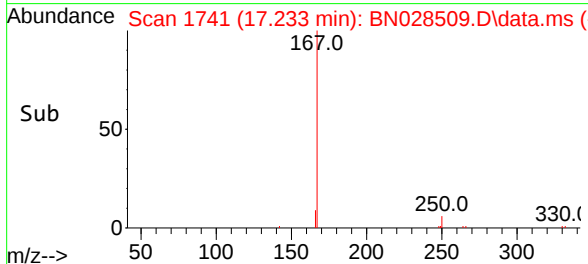
Instrument :
 BNA_N
 ClientSampleId :
 PE-7-SOUTHSIDE-BASE



Tgt Ion:178 Resp: 65069
 Ion Ratio Lower Upper
 178 100
 176 19.9 14.8 22.2
 179 19.4 12.2 18.4

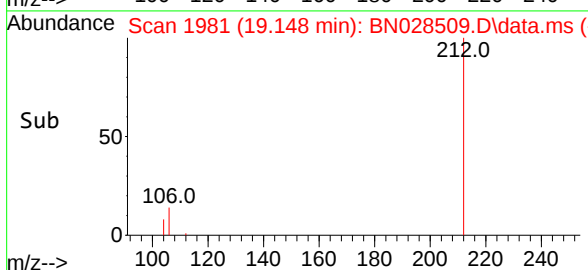
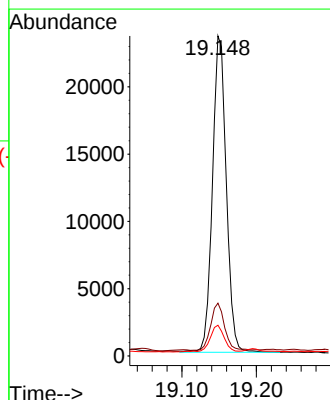
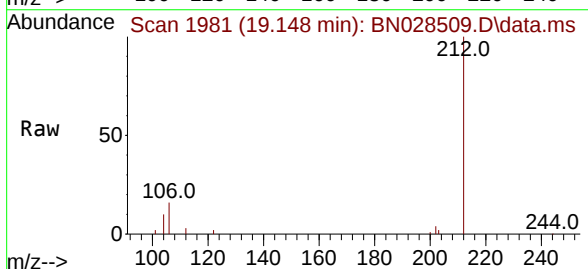
Manual Integrations
 APPROVED

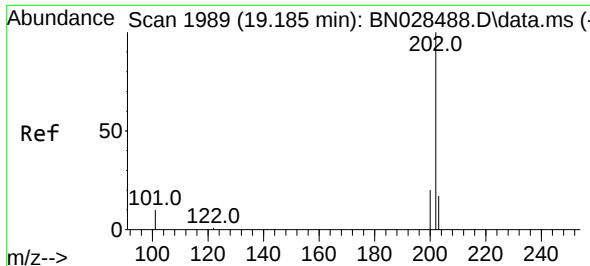
Reviewed By :Yogesh Patel 11/09/2023
 Supervised By :mohammad ahmed 11/09/2023



#27
 Fluoranthene-d10
 Concen: 0.244 ng
 RT: 19.148 min Scan# 1981
 Delta R.T. -0.005 min
 Lab File: BN028509.D
 Acq: 08 Nov 2023 21:31

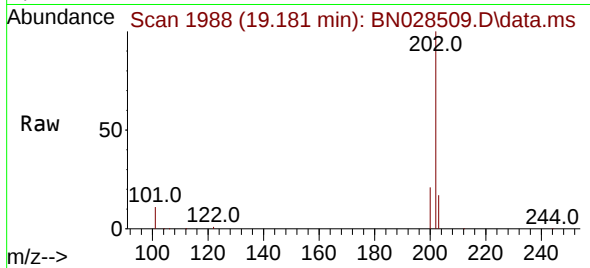
Tgt Ion:212 Resp: 30344
 Ion Ratio Lower Upper
 212 100
 106 14.8 11.5 17.3
 104 8.6 6.4 9.6





#28
Fluoranthene
Concen: 4.730 ng
RT: 19.181 min Scan# 1989
Delta R.T. -0.005 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

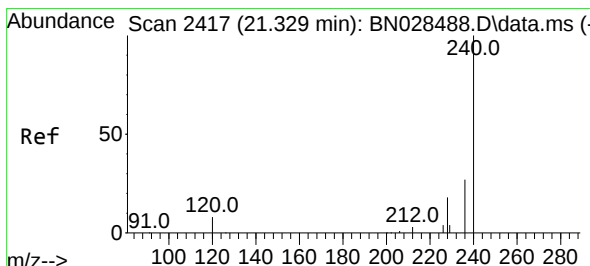
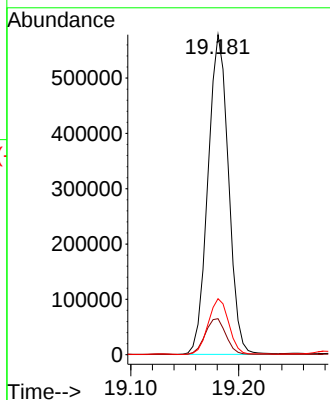
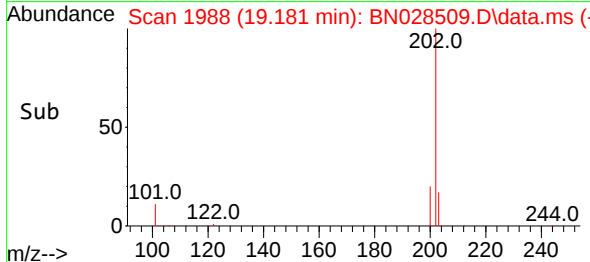
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE



Tgt Ion:202 Resp: 76421
Ion Ratio Lower Upper
202 100
101 11.4 9.1 13.7
203 17.5 13.7 20.5

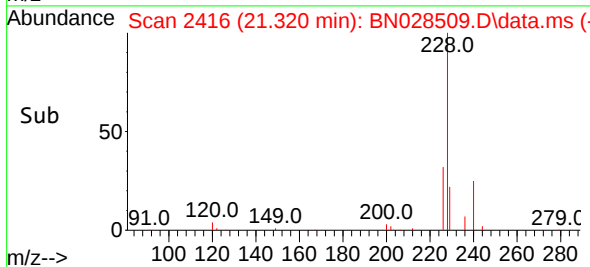
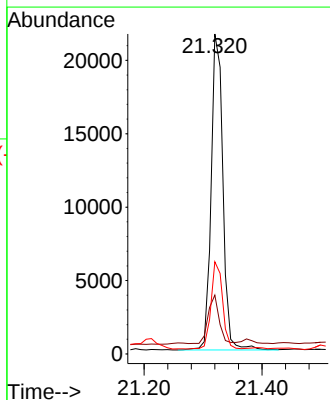
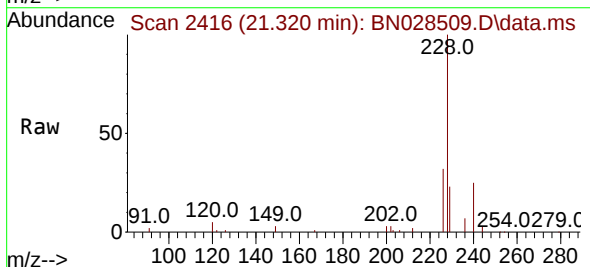
Manual Integrations
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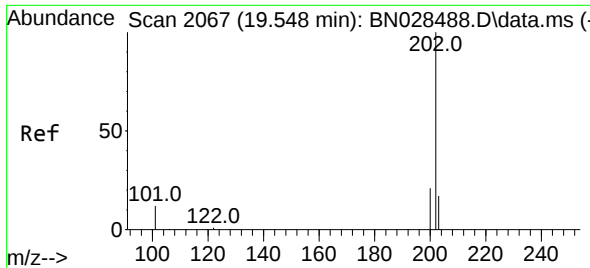
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.320 min Scan# 2416
Delta R.T. -0.009 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

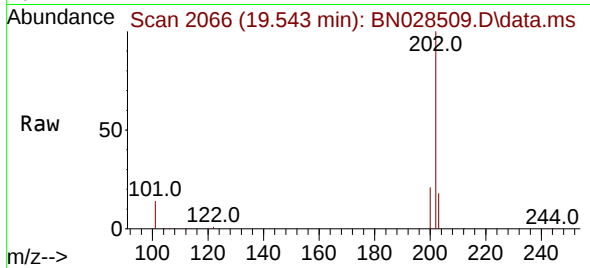
Tgt Ion:240 Resp: 29872
Ion Ratio Lower Upper
240 100
120 18.4 7.6 11.4#
236 28.8 21.9 32.9





#30
 Pyrene
 Concen: 4.859 ng
 RT: 19.543 min Scan# 2067
 Delta R.T. -0.005 min
 Lab File: BN028509.D
 Acq: 08 Nov 2023 21:31

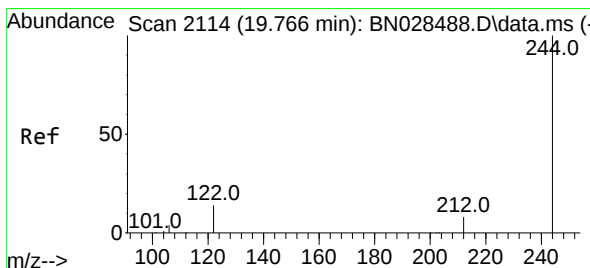
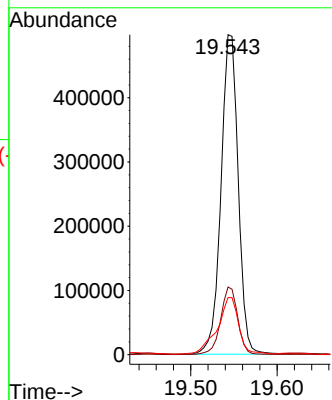
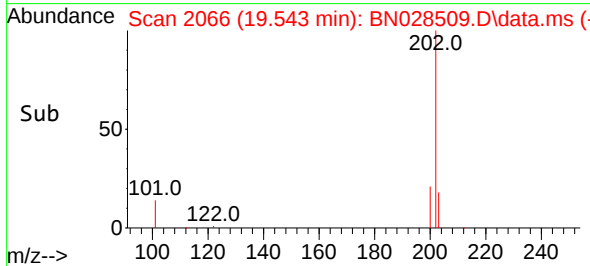
Instrument :
 BNA_N
 ClientSampleId :
 PE-7-SOUTHSIDE-BASE



Tgt Ion:202 Resp: 691198
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.5 24.7
 203 21.9 14.3 21.5

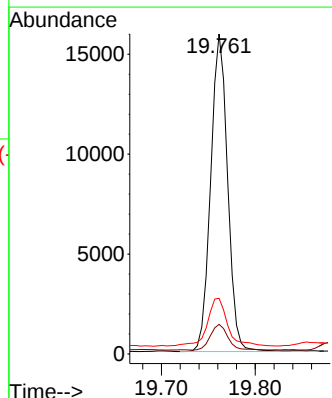
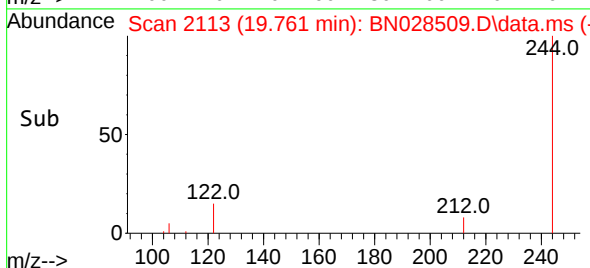
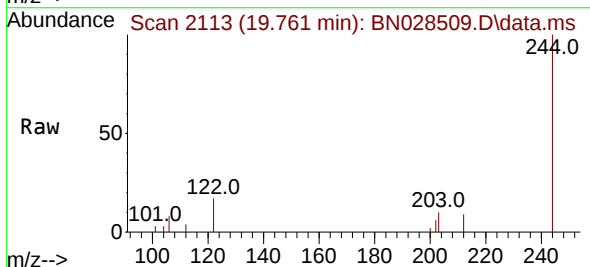
Manual Integrations
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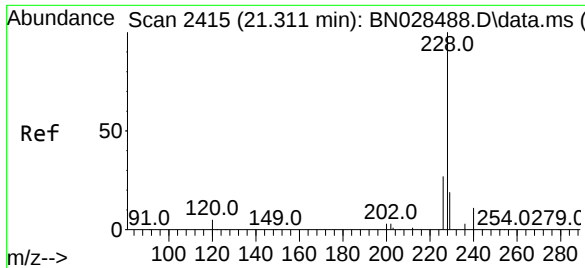
Reviewed By :Yogesh Patel 11/09/2023
 Supervised By :mohammad ahmed 11/09/2023



#31
 Terphenyl-d14
 Concen: 0.250 ng
 RT: 19.761 min Scan# 2113
 Delta R.T. -0.005 min
 Lab File: BN028509.D
 Acq: 08 Nov 2023 21:31

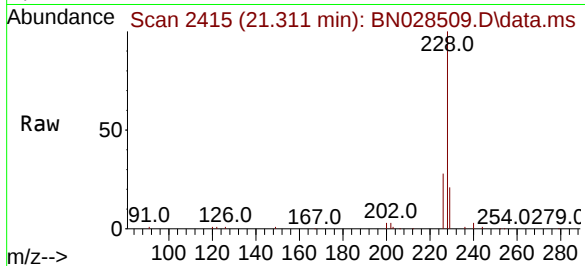
Tgt Ion:244 Resp: 19886
 Ion Ratio Lower Upper
 244 100
 212 9.3 6.6 9.8
 122 17.4 11.4 17.2





#32
Benzo(a)anthracene
Concen: 2.940 ng
RT: 21.311 min Scan# 2415
Delta R.T. 0.000 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

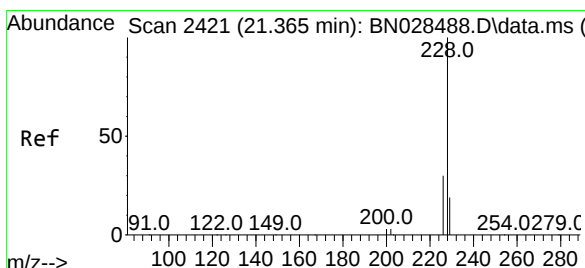
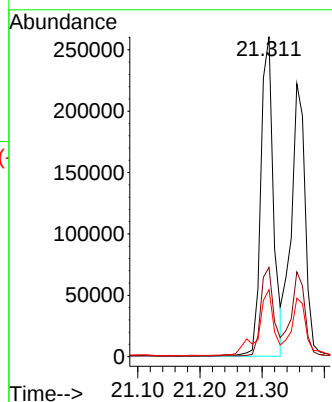
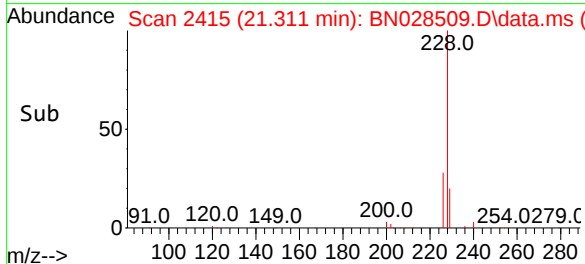
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE



Tgt Ion:228 Resp: 367010
Ion Ratio Lower Upper
228 100
226 27.9 21.4 32.2
229 20.9 15.7 23.5

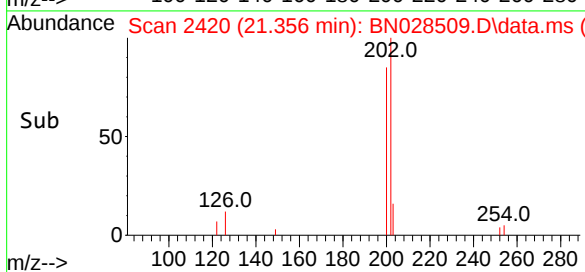
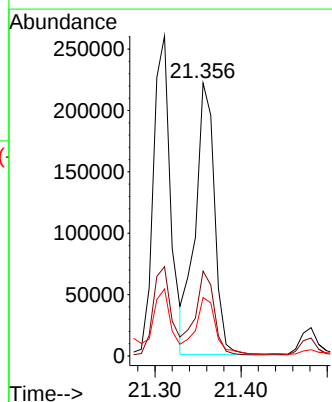
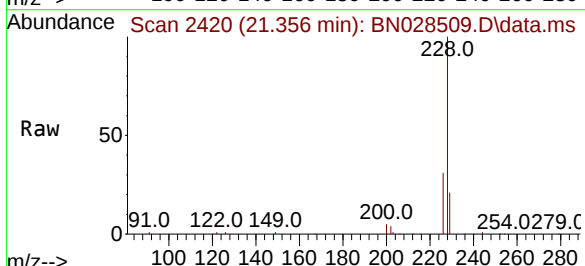
Manual Integrations
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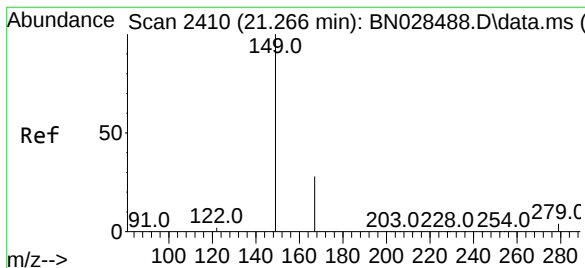
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



#33
Chrysene
Concen: 2.760 ng
RT: 21.356 min Scan# 2420
Delta R.T. -0.009 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

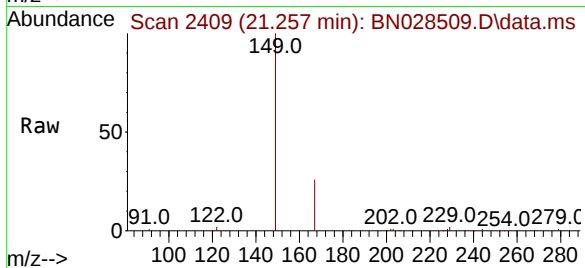
Tgt Ion:228 Resp: 344085
Ion Ratio Lower Upper
228 100
226 31.1 23.8 35.8
229 21.4 15.7 23.5





#34
Bis(2-ethylhexyl)phthalate
Concen: 2.341 ng
RT: 21.257 min Scan# 2410
Delta R.T. -0.009 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

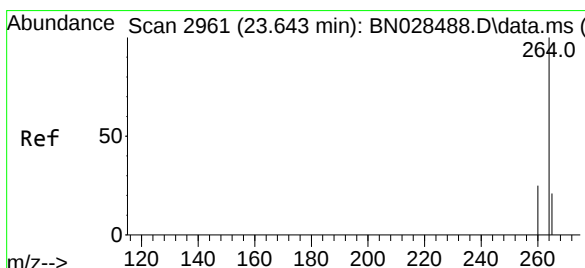
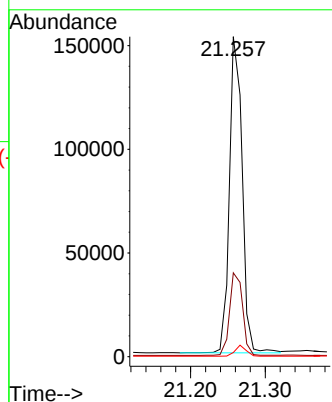
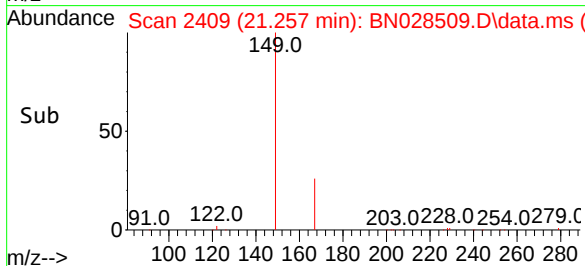
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE



Tgt Ion:149 Resp: 18082
Ion Ratio Lower Upper
149 100
167 26.7 21.0 31.4
279 3.1 2.6 3.8

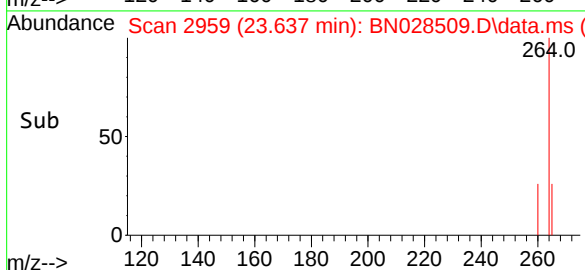
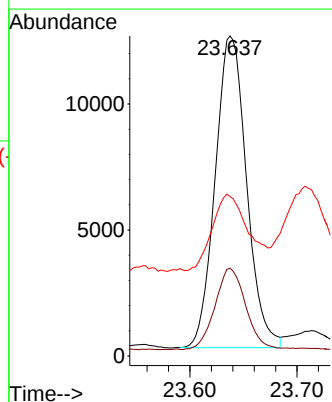
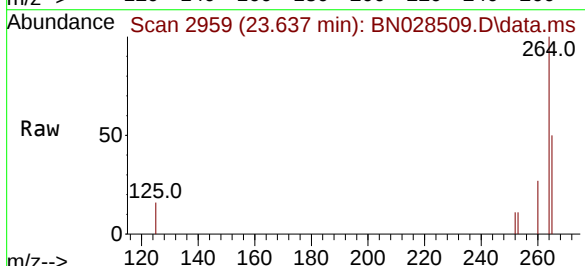
Manual Integrations
APPROVED

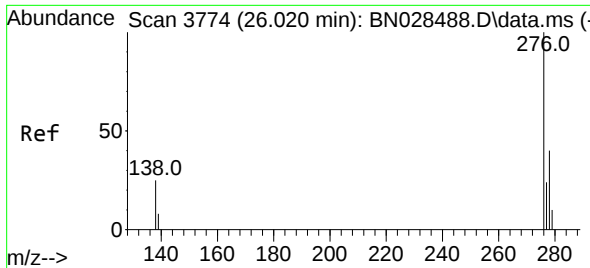
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.637 min Scan# 2959
Delta R.T. -0.006 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

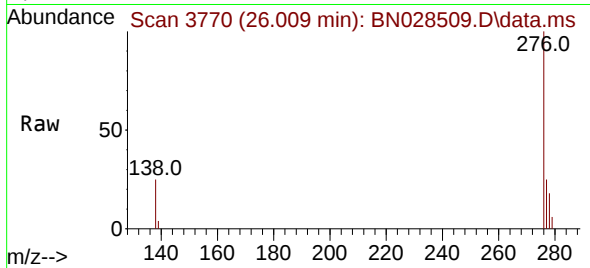
Tgt Ion:264 Resp: 25155
Ion Ratio Lower Upper
264 100
260 27.4 20.7 31.1
265 49.8 31.6 47.4#





#36
Indeno(1,2,3-cd)pyrene
Concen: 1.732 ng
RT: 26.009 min Scan# 3774
Delta R.T. -0.012 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

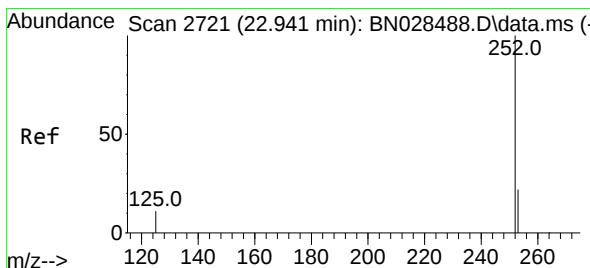
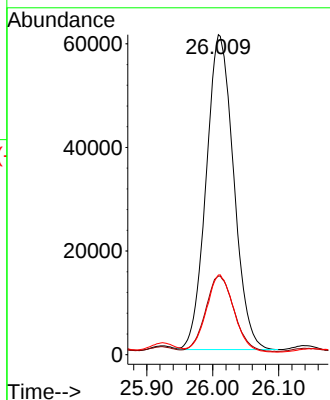
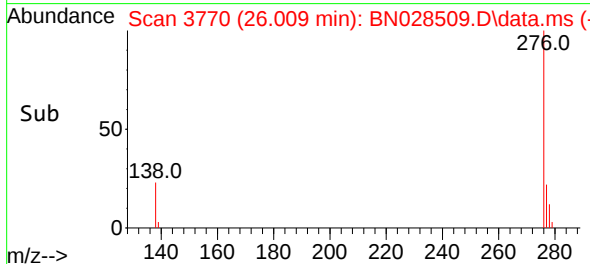
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE



Tgt Ion:276 Resp: 175738
Ion Ratio Lower Upper
276 100
138 24.8 22.4 33.6
277 24.6 19.8 29.6

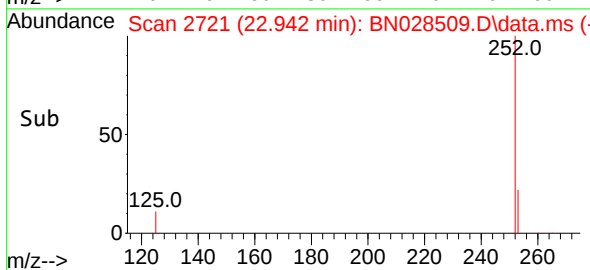
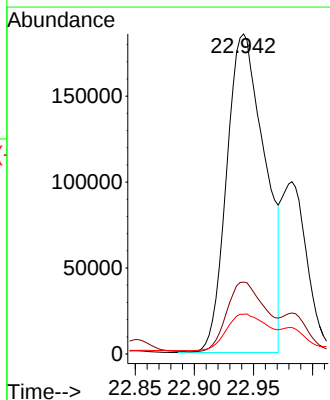
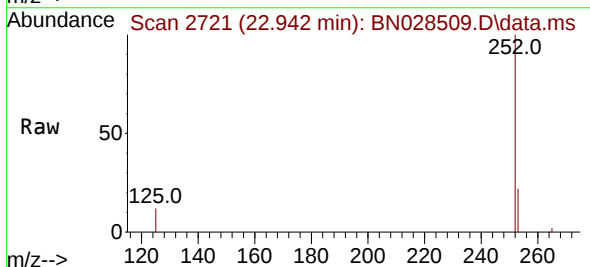
Manual Integrations
APPROVED

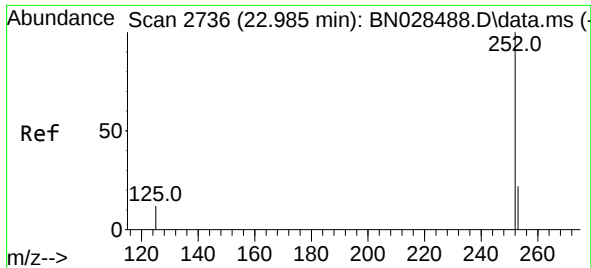
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



#37
Benzo(b)fluoranthene
Concen: 4.034 ng
RT: 22.942 min Scan# 2721
Delta R.T. 0.000 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

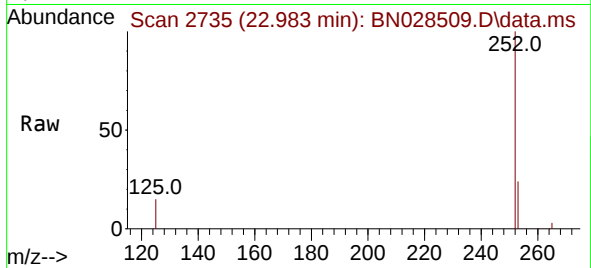
Tgt Ion:252 Resp: 418182
Ion Ratio Lower Upper
252 100
253 22.4 18.6 27.8
125 12.4 11.4 17.0





#38
Benzo(k)fluoranthene
Concen: 1.491 ng m
RT: 22.983 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

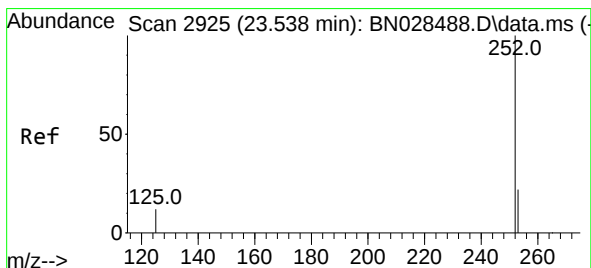
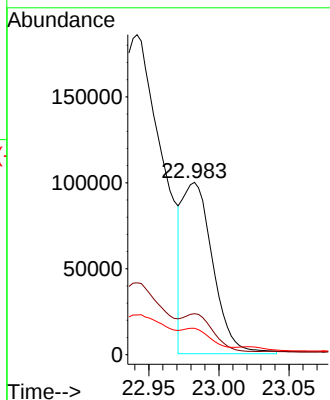
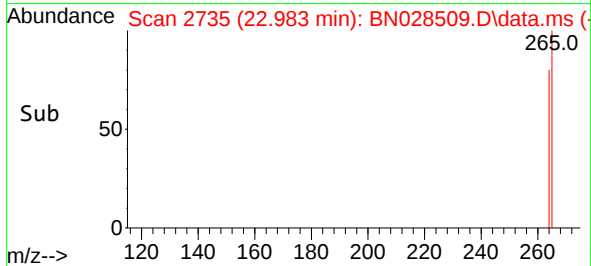
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE



Tgt Ion:252 Resp: 150828
Ion Ratio Lower Upper
252 100
253 23.8 19.0 28.6
125 15.3 12.0 18.0

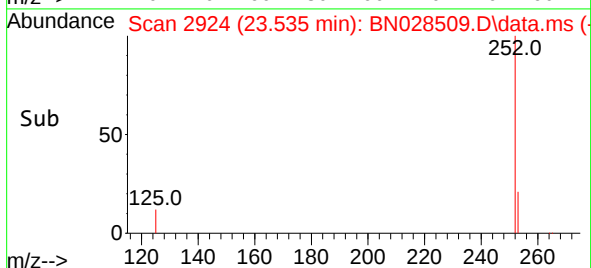
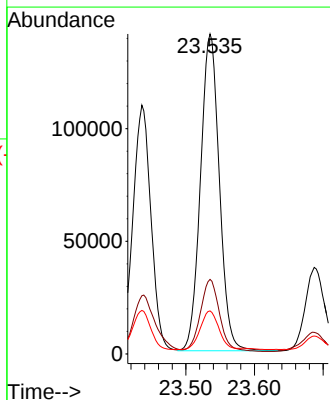
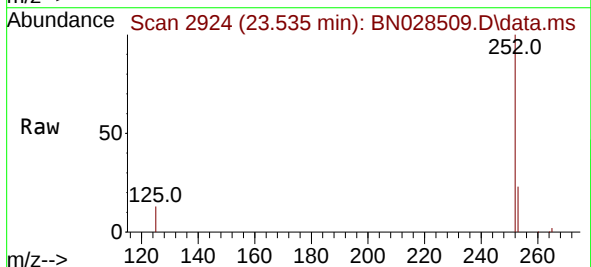
Manual Integrations
APPROVED

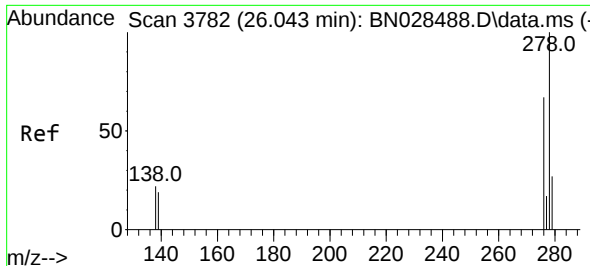
Reviewed By :Yogesh Patel 11/09/2023
Supervised By :mohammad ahmed 11/09/2023



#39
Benzo(a)pyrene
Concen: 3.039 ng
RT: 23.535 min Scan# 2924
Delta R.T. -0.003 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

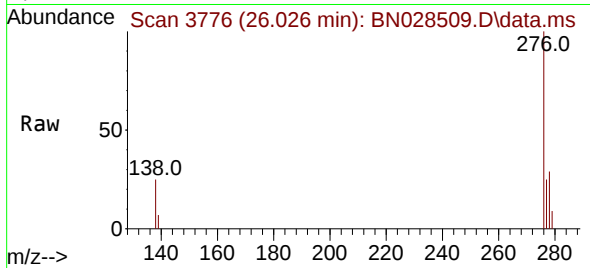
Tgt Ion:252 Resp: 269190
Ion Ratio Lower Upper
252 100
253 23.3 19.3 28.9
125 13.5 13.3 19.9





#40
Dibenzo(a,h)anthracene
Concen: 0.556 ng
RT: 26.026 min Scan# 31
Delta R.T. -0.017 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

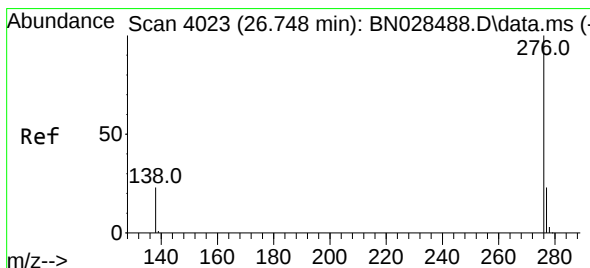
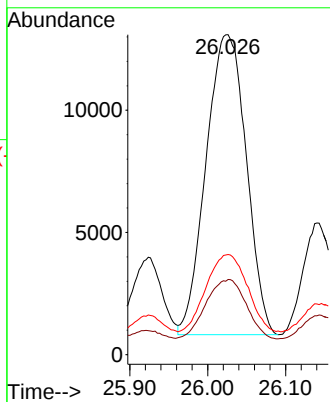
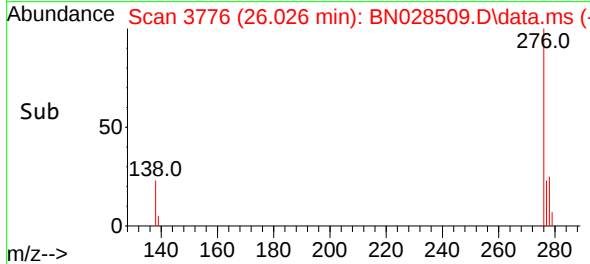
Instrument :
BNA_N
ClientSampleId :
PE-7-SOUTHSIDE-BASE



Tgt Ion:278 Resp: 4401
Ion Ratio Lower Upper
278 100
139 23.5 17.0 25.6
279 31.3 23.8 35.8

Manual Integrations
APPROVED

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#41
Benzo(g,h,i)perylene
Concen: 2.010 ng
RT: 26.737 min Scan# 4019
Delta R.T. -0.012 min
Lab File: BN028509.D
Acq: 08 Nov 2023 21:31

Tgt Ion:276 Resp: 176137
Ion Ratio Lower Upper
276 100
277 24.2 19.5 29.3
138 25.3 20.1 30.1

